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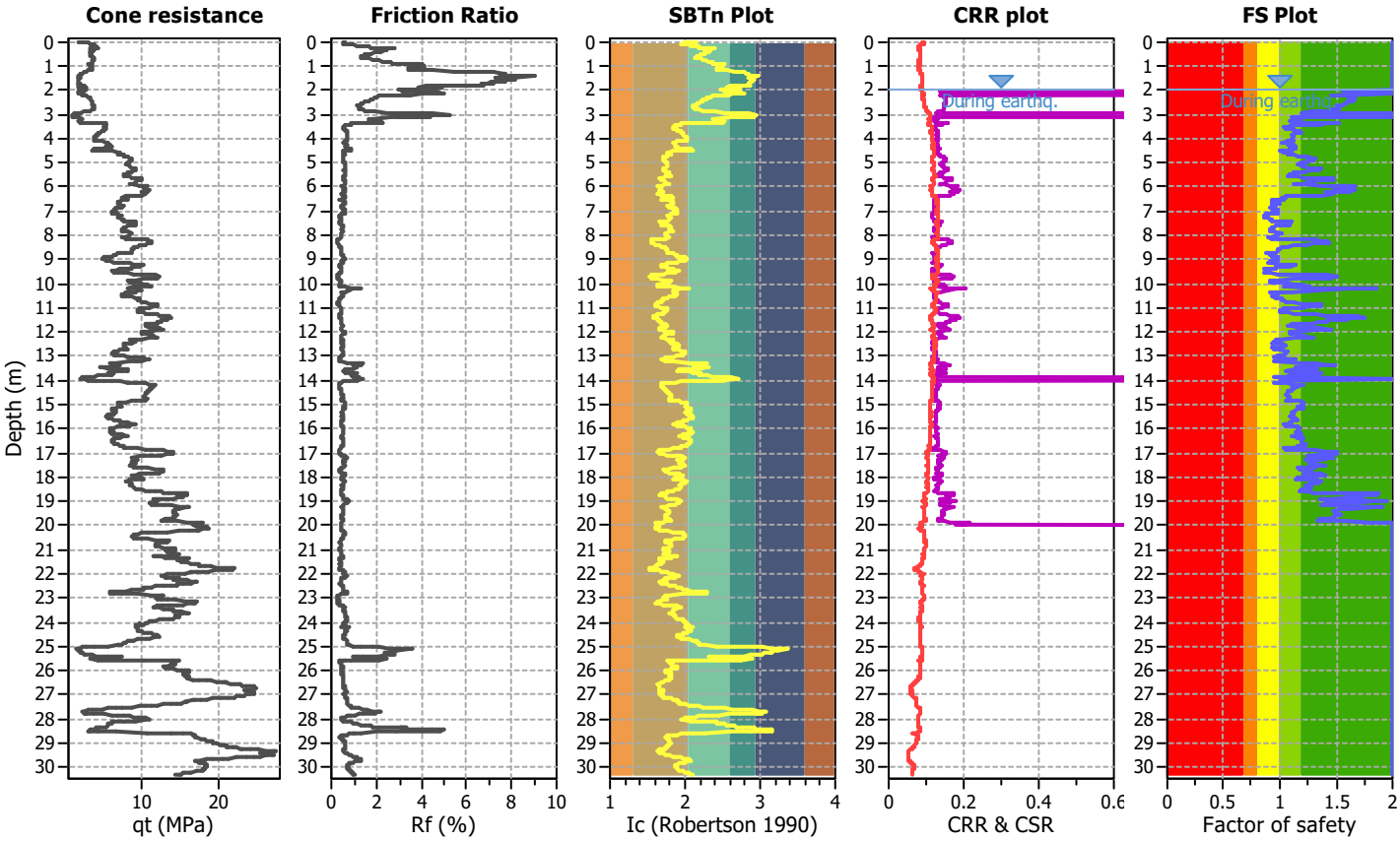
LIQUEFACTION ANALYSIS REPORT

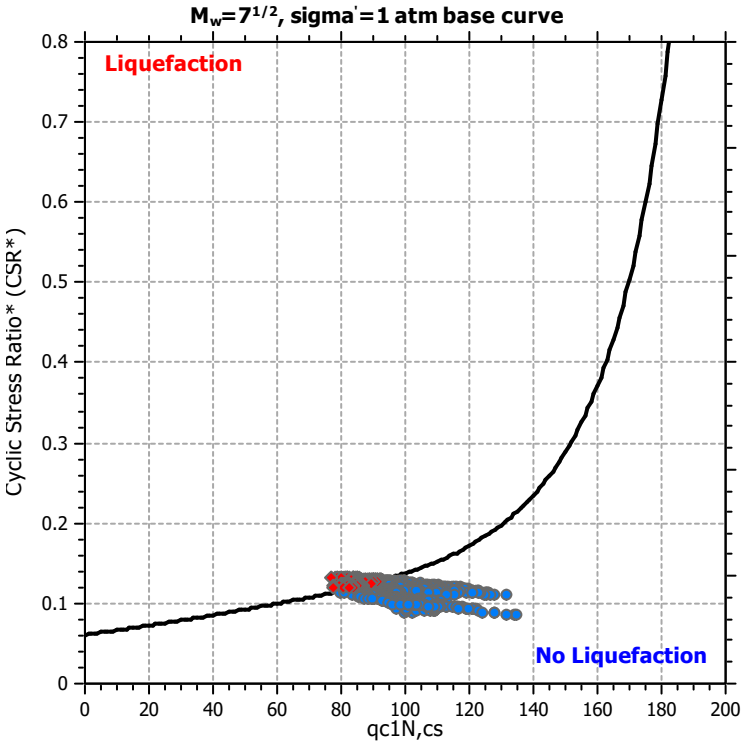
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

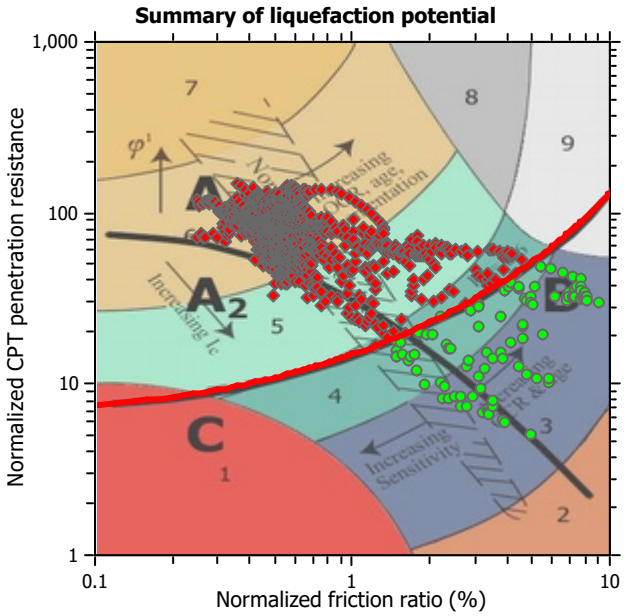
CPT file : P121

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

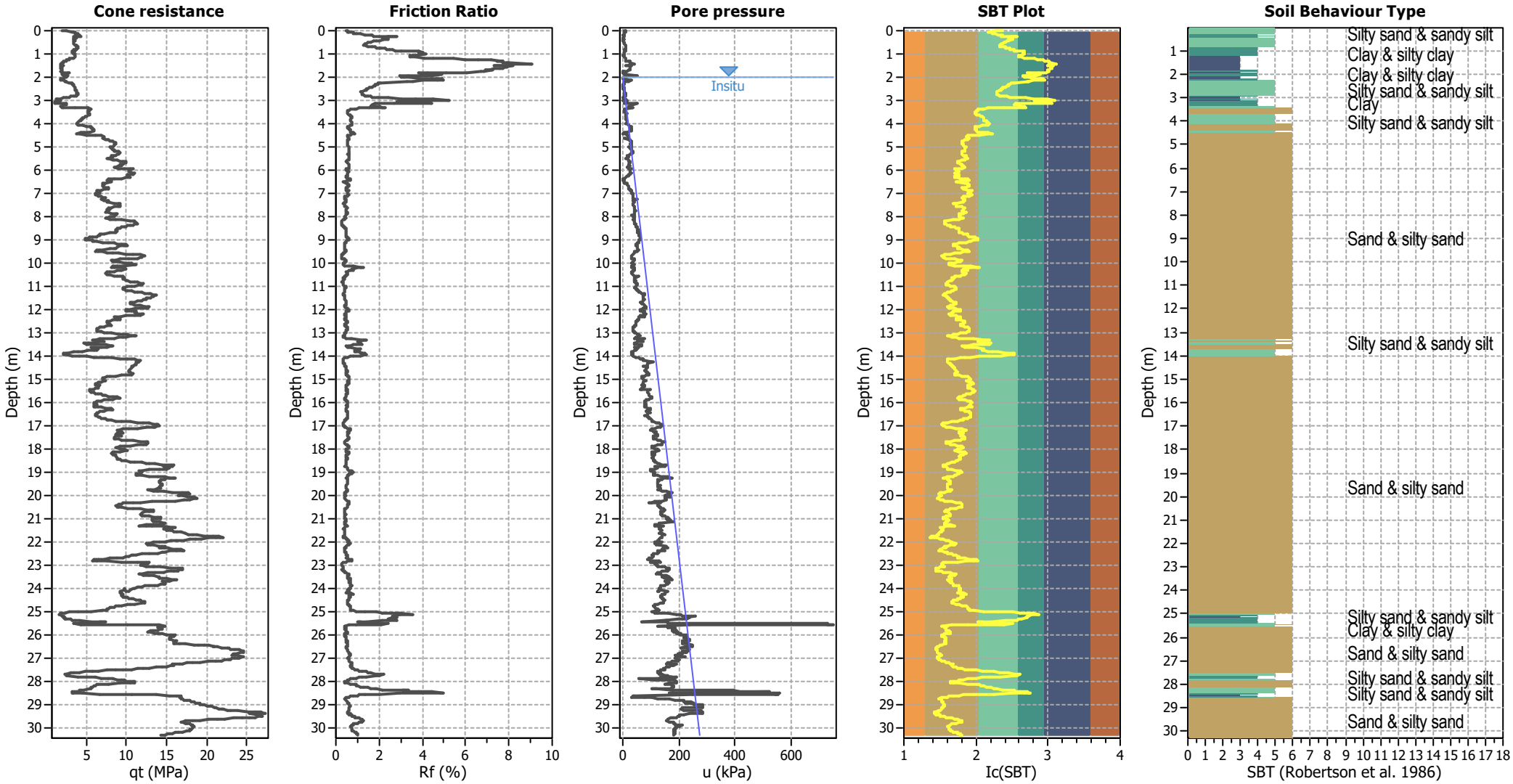






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



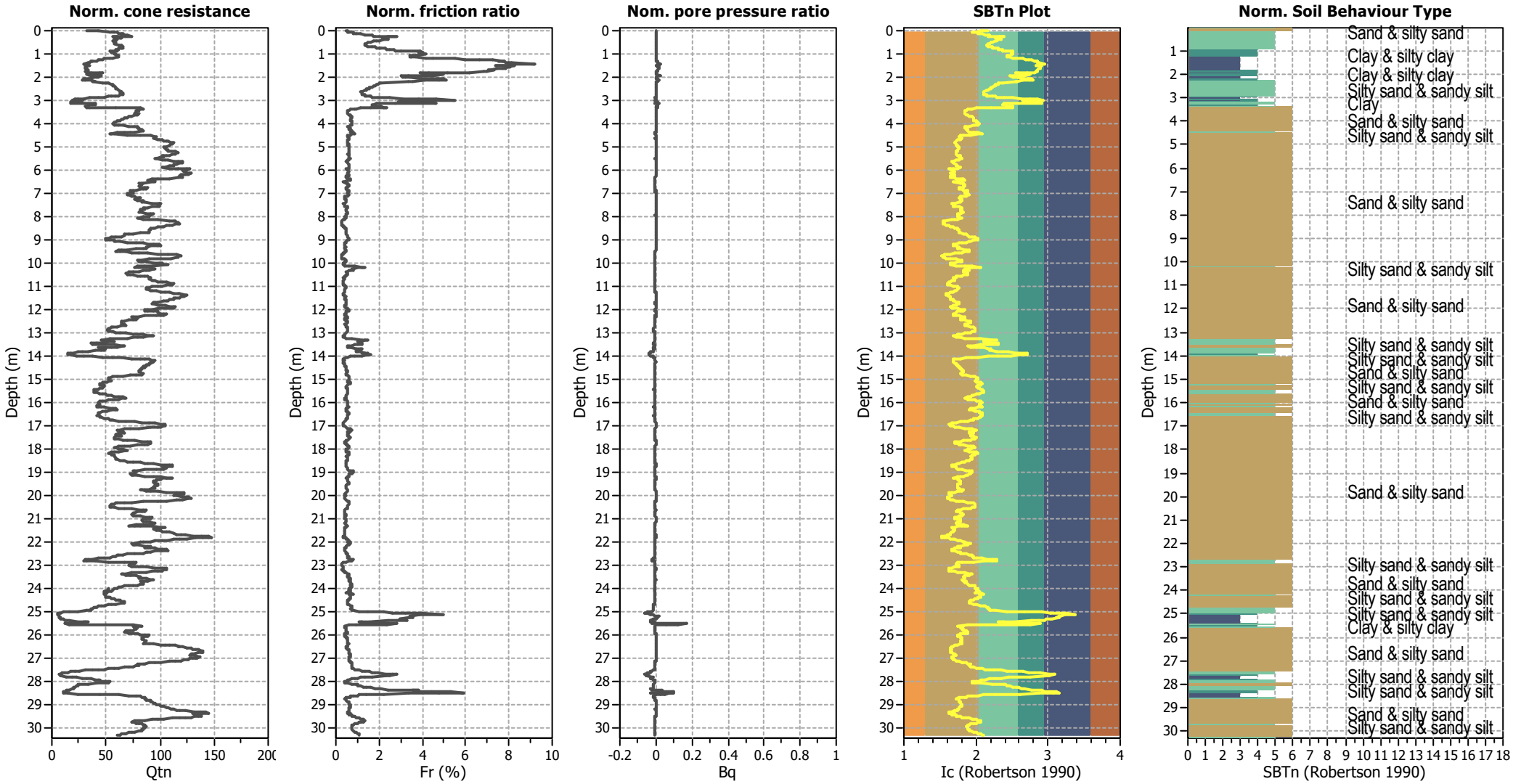
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



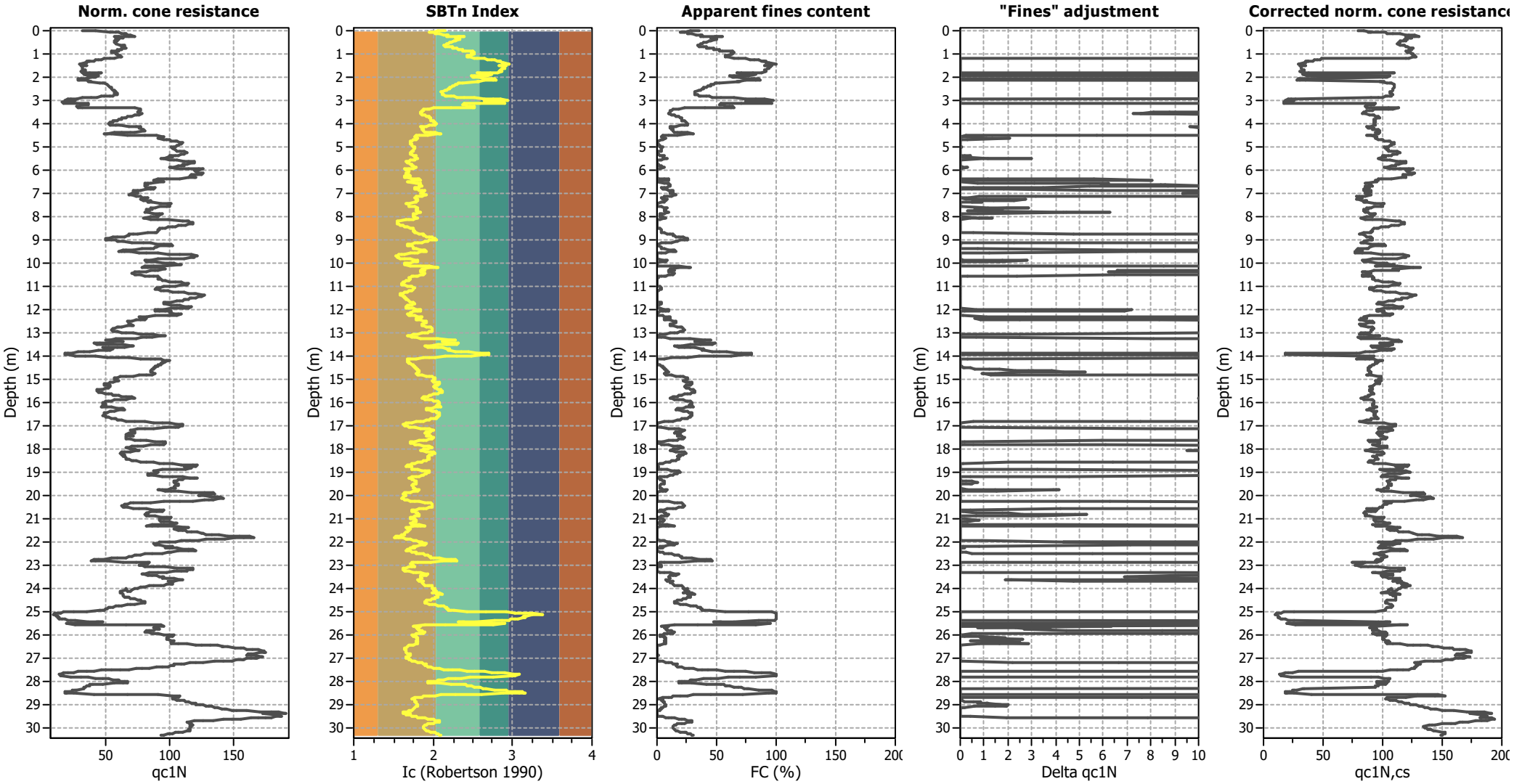
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

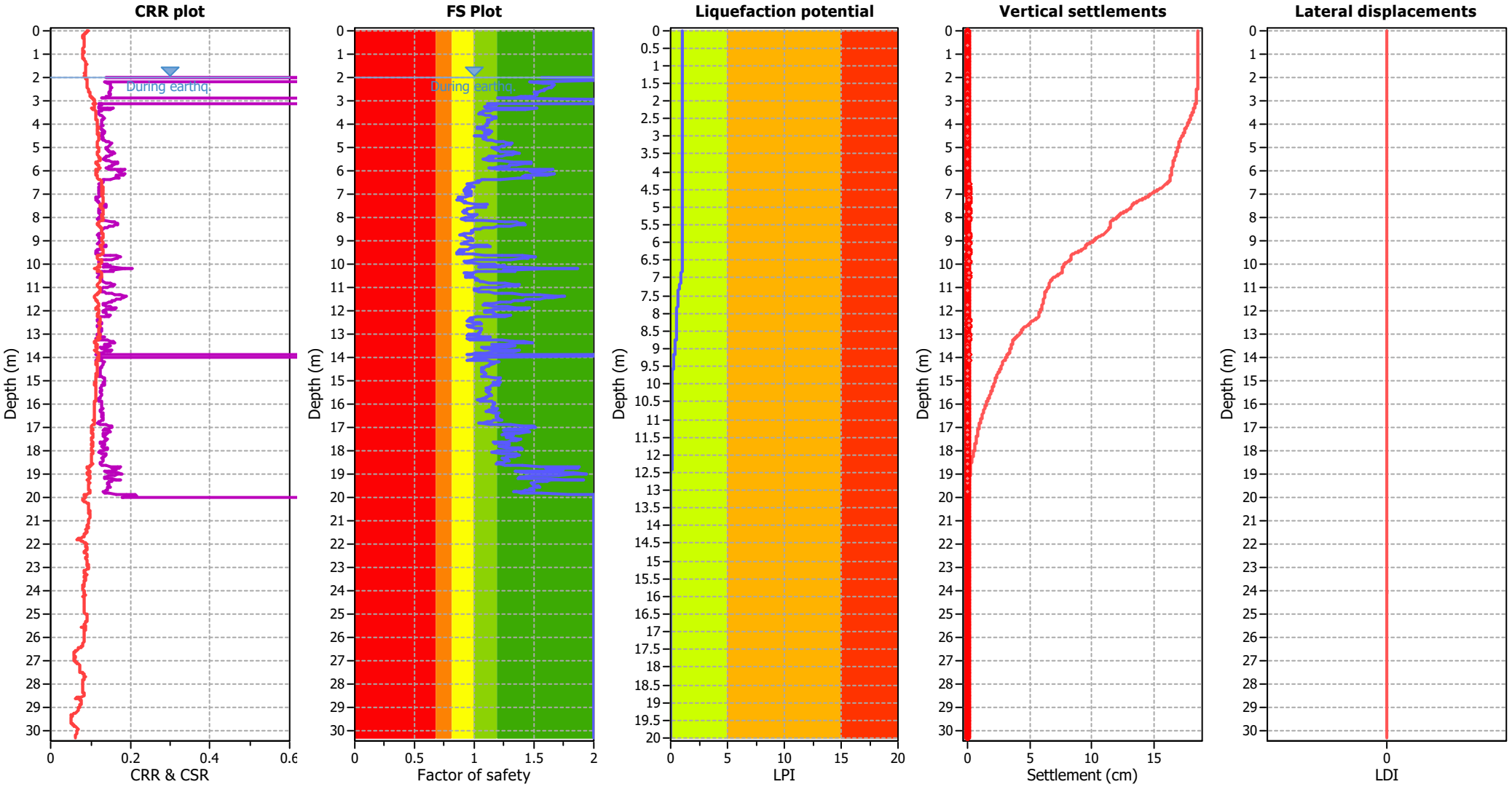
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

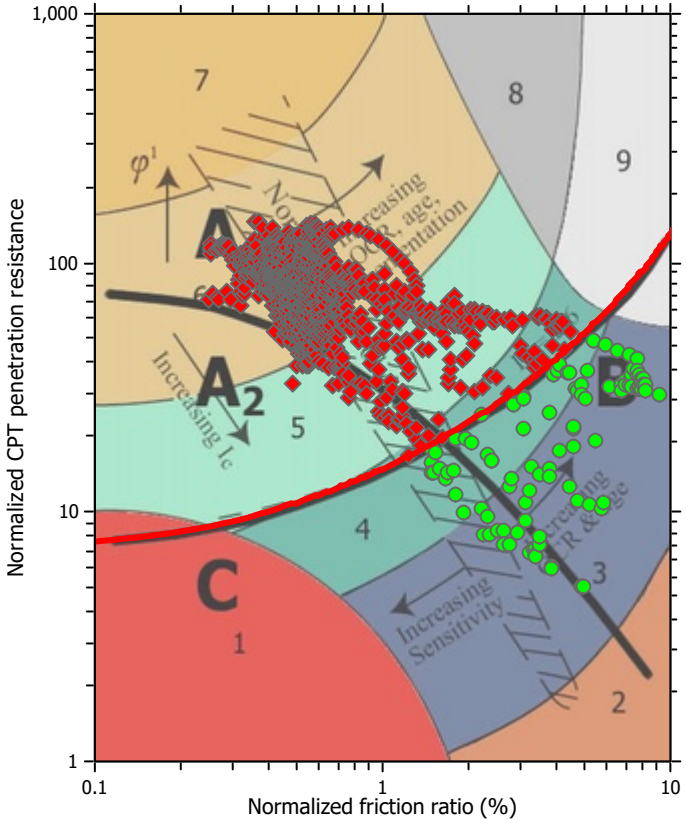
F.S. color scheme

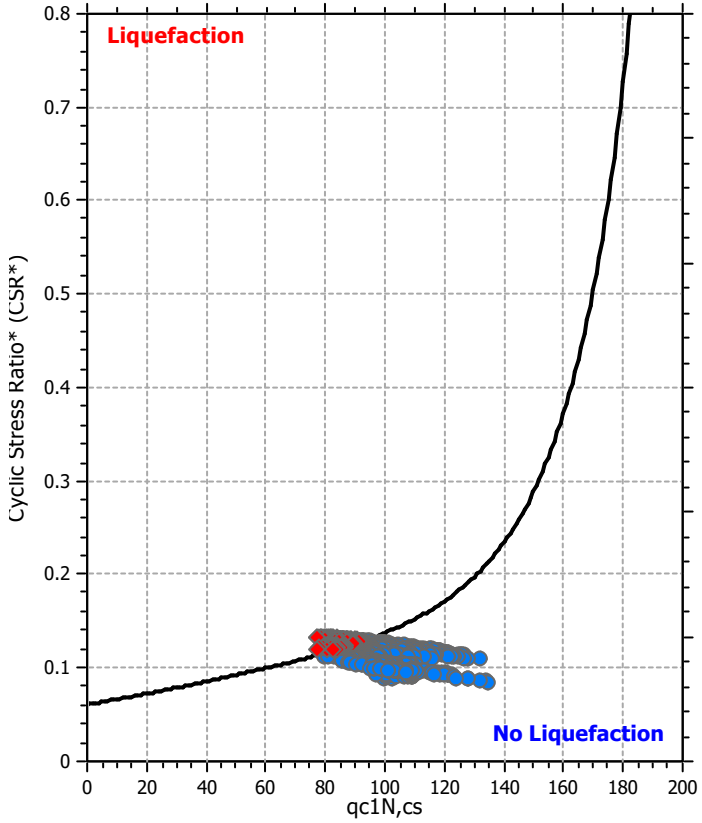
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

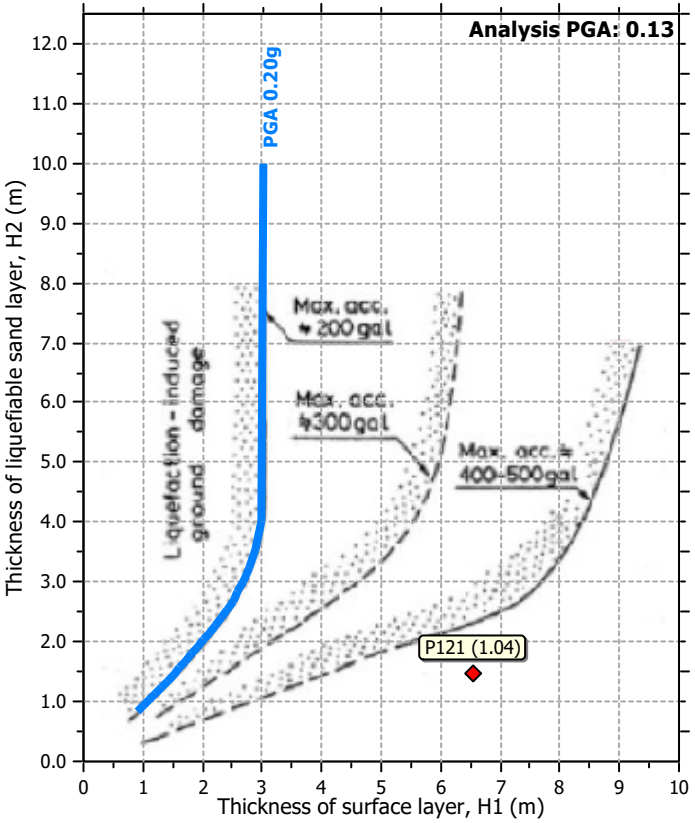
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots







Input parameters and analysis data

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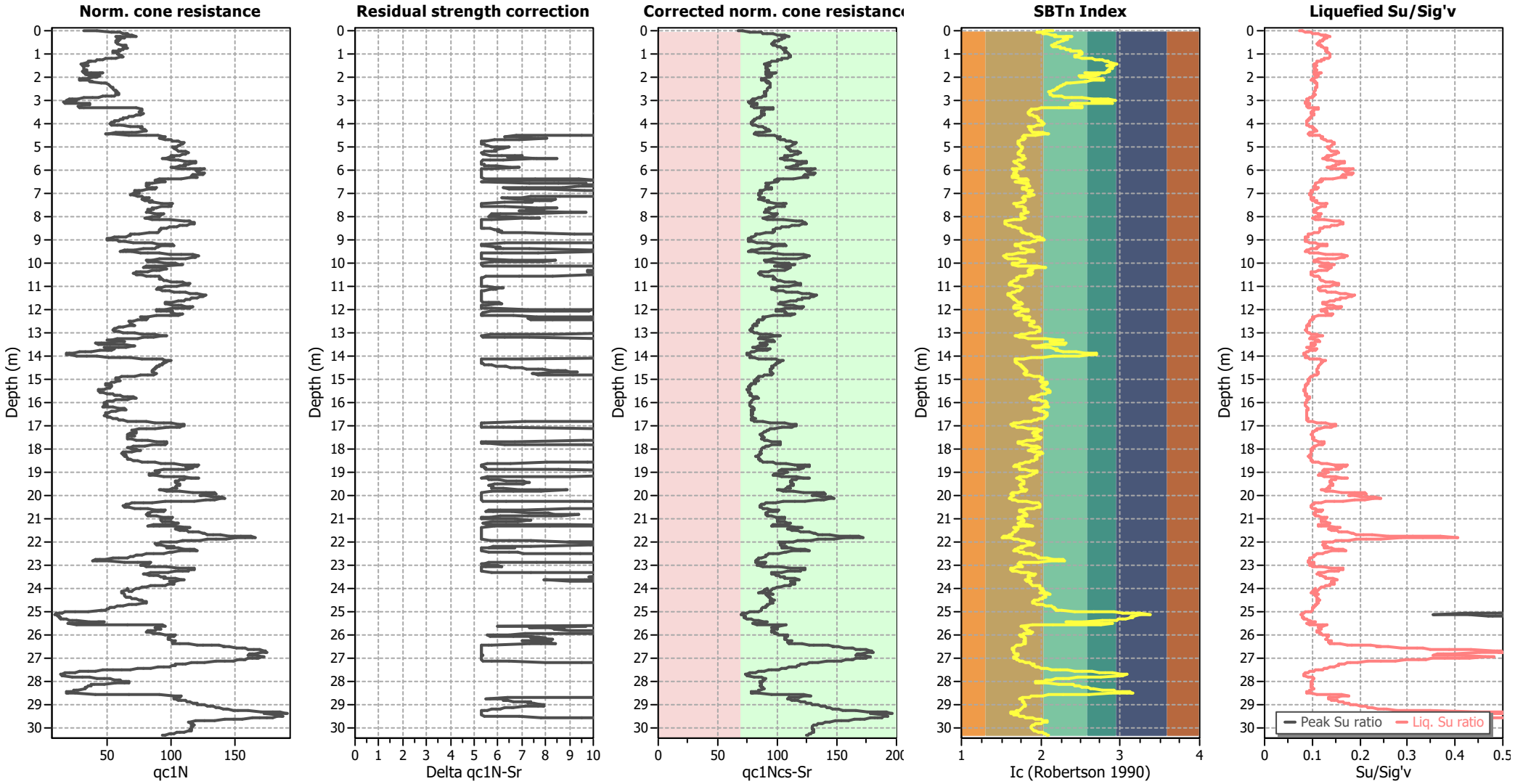
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.62	0.00	0.00	0.02	0.00	2.04	1.56	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	1.53	0.00	0.00	0.02	0.00	2.20	1.52	0.00	0.00	0.02	0.00
2.22	1.46	0.00	0.00	0.02	0.00	2.24	1.58	0.00	0.00	0.02	0.00
2.26	1.62	0.00	0.00	0.02	0.00	2.28	1.65	0.00	0.00	0.02	0.00
2.30	1.67	0.00	0.00	0.02	0.00	2.32	1.67	0.00	0.00	0.02	0.00
2.34	1.66	0.00	0.00	0.02	0.00	2.36	1.66	0.00	0.00	0.02	0.00
2.38	1.65	0.00	0.00	0.02	0.00	2.40	1.65	0.00	0.00	0.02	0.00
2.42	1.64	0.00	0.00	0.02	0.00	2.44	1.64	0.00	0.00	0.02	0.00
2.46	1.63	0.00	0.00	0.02	0.00	2.48	1.62	0.00	0.00	0.02	0.00
2.50	1.60	0.00	0.00	0.02	0.00	2.52	1.60	0.00	0.00	0.02	0.00
2.54	1.59	0.00	0.00	0.02	0.00	2.56	1.58	0.00	0.00	0.02	0.00
2.58	1.58	0.00	0.00	0.02	0.00	2.60	1.57	0.00	0.00	0.02	0.00
2.62	1.54	0.00	0.00	0.02	0.00	2.64	1.51	0.00	0.00	0.02	0.00
2.66	1.50	0.00	0.00	0.02	0.00	2.68	1.51	0.00	0.00	0.02	0.00
2.70	1.52	0.00	0.00	0.02	0.00	2.72	1.52	0.00	0.00	0.02	0.00
2.74	1.53	0.00	0.00	0.02	0.00	2.76	1.53	0.00	0.00	0.02	0.00
2.78	1.51	0.00	0.00	0.02	0.00	2.80	1.50	0.00	0.00	0.02	0.00
2.82	1.47	0.00	0.00	0.02	0.00	2.84	1.43	0.00	0.00	0.02	0.00
2.86	1.38	0.00	0.00	0.02	0.00	2.88	1.35	0.00	0.00	0.02	0.00
2.90	1.28	0.00	0.00	0.02	0.00	2.92	1.20	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	1.11	0.00	0.00	0.02	0.00	3.16	1.20	0.00	0.00	0.02	0.00
3.18	1.19	0.00	0.00	0.02	0.00	3.20	1.15	0.00	0.00	0.02	0.00
3.22	1.12	0.00	0.00	0.02	0.00	3.24	1.10	0.00	0.00	0.02	0.00
3.26	1.09	0.00	0.00	0.02	0.00	3.28	1.08	0.00	0.00	0.02	0.00
3.30	1.09	0.00	0.00	0.02	0.00	3.32	1.13	0.00	0.00	0.02	0.00
3.34	1.35	0.00	0.00	0.02	0.00	3.36	1.53	0.00	0.00	0.02	0.00
3.38	1.42	0.00	0.00	0.02	0.00	3.40	1.36	0.00	0.00	0.02	0.00
3.42	1.16	0.00	0.00	0.02	0.00	3.44	1.14	0.00	0.00	0.02	0.00
3.46	1.11	0.00	0.00	0.02	0.00	3.48	1.08	0.00	0.00	0.02	0.00
3.50	1.07	0.00	0.00	0.02	0.00	3.52	1.06	0.00	0.00	0.02	0.00
3.54	1.04	0.00	0.00	0.02	0.00	3.56	1.03	0.00	0.00	0.02	0.00
3.58	1.05	0.00	0.00	0.02	0.00	3.60	1.06	0.00	0.00	0.02	0.00
3.62	1.10	0.00	0.00	0.02	0.00	3.64	1.12	0.00	0.00	0.02	0.00
3.66	1.13	0.00	0.00	0.02	0.00	3.68	1.15	0.00	0.00	0.02	0.00
3.70	1.17	0.00	0.00	0.02	0.00	3.72	1.18	0.00	0.00	0.02	0.00
3.74	1.19	0.00	0.00	0.02	0.00	3.76	1.17	0.00	0.00	0.02	0.00
3.78	1.16	0.00	0.00	0.02	0.00	3.80	1.14	0.00	0.00	0.02	0.00
3.82	1.13	0.00	0.00	0.02	0.00	3.84	1.12	0.00	0.00	0.02	0.00
3.86	1.11	0.00	0.00	0.02	0.00	3.88	1.11	0.00	0.00	0.02	0.00
3.90	1.12	0.00	0.00	0.02	0.00	3.92	1.12	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	1.12	0.00	0.00	0.02	0.00	3.96	1.12	0.00	0.00	0.02	0.00
3.98	1.11	0.00	0.00	0.02	0.00	4.00	1.10	0.00	0.00	0.02	0.00
4.02	1.11	0.00	0.00	0.02	0.00	4.04	1.11	0.00	0.00	0.02	0.00
4.06	1.11	0.00	0.00	0.02	0.00	4.08	1.11	0.00	0.00	0.02	0.00
4.10	1.10	0.00	0.00	0.02	0.00	4.12	1.06	0.00	0.00	0.02	0.00
4.14	1.03	0.00	0.00	0.02	0.00	4.16	1.02	0.00	0.00	0.02	0.00
4.18	1.03	0.00	0.00	0.02	0.00	4.20	1.05	0.00	0.00	0.02	0.00
4.22	1.08	0.00	0.00	0.02	0.00	4.24	1.08	0.00	0.00	0.02	0.00
4.26	1.08	0.00	0.00	0.02	0.00	4.28	1.12	0.00	0.00	0.02	0.00
4.30	1.14	0.00	0.00	0.02	0.00	4.32	1.13	0.00	0.00	0.02	0.00
4.34	1.13	0.00	0.00	0.02	0.00	4.36	1.09	0.00	0.00	0.02	0.00
4.38	1.09	0.00	0.00	0.02	0.00	4.40	1.13	0.00	0.00	0.02	0.00
4.42	1.14	0.00	0.00	0.02	0.00	4.44	1.12	0.00	0.00	0.02	0.00
4.46	1.10	0.00	0.00	0.02	0.00	4.48	1.10	0.00	0.00	0.02	0.00
4.50	1.07	0.00	0.00	0.02	0.00	4.52	1.00	0.00	0.00	0.02	0.00
4.54	1.04	0.00	0.00	0.02	0.00	4.56	1.08	0.00	0.00	0.02	0.00
4.58	1.10	0.00	0.00	0.02	0.00	4.60	1.10	0.00	0.00	0.02	0.00
4.62	1.09	0.00	0.00	0.02	0.00	4.64	1.09	0.00	0.00	0.02	0.00
4.66	1.07	0.00	0.00	0.02	0.00	4.68	1.10	0.00	0.00	0.02	0.00
4.70	1.13	0.00	0.00	0.02	0.00	4.72	1.15	0.00	0.00	0.02	0.00
4.74	1.18	0.00	0.00	0.02	0.00	4.76	1.22	0.00	0.00	0.02	0.00
4.78	1.24	0.00	0.00	0.02	0.00	4.80	1.28	0.00	0.00	0.02	0.00
4.82	1.31	0.00	0.00	0.02	0.00	4.84	1.32	0.00	0.00	0.02	0.00
4.86	1.29	0.00	0.00	0.02	0.00	4.88	1.30	0.00	0.00	0.02	0.00
4.90	1.30	0.00	0.00	0.02	0.00	4.92	1.27	0.00	0.00	0.02	0.00
4.94	1.25	0.00	0.00	0.02	0.00	4.96	1.24	0.00	0.00	0.02	0.00
4.98	1.23	0.00	0.00	0.02	0.00	5.00	1.21	0.00	0.00	0.02	0.00
5.02	1.19	0.00	0.00	0.02	0.00	5.04	1.15	0.00	0.00	0.02	0.00
5.06	1.17	0.00	0.00	0.02	0.00	5.08	1.18	0.00	0.00	0.02	0.00
5.10	1.17	0.00	0.00	0.02	0.00	5.12	1.20	0.00	0.00	0.02	0.00
5.14	1.20	0.00	0.00	0.02	0.00	5.16	1.21	0.00	0.00	0.02	0.00
5.18	1.22	0.00	0.00	0.02	0.00	5.20	1.26	0.00	0.00	0.02	0.00
5.22	1.33	0.00	0.00	0.02	0.00	5.24	1.38	0.00	0.00	0.02	0.00
5.26	1.35	0.00	0.00	0.02	0.00	5.28	1.34	0.00	0.00	0.02	0.00
5.30	1.32	0.00	0.00	0.02	0.00	5.32	1.28	0.00	0.00	0.02	0.00
5.34	1.27	0.00	0.00	0.02	0.00	5.36	1.23	0.00	0.00	0.02	0.00
5.38	1.19	0.00	0.00	0.02	0.00	5.40	1.15	0.00	0.00	0.02	0.00
5.42	1.13	0.00	0.00	0.02	0.00	5.44	1.14	0.00	0.00	0.02	0.00
5.46	1.15	0.00	0.00	0.02	0.00	5.48	1.11	0.00	0.00	0.02	0.00
5.50	1.08	0.00	0.00	0.02	0.00	5.52	1.07	0.00	0.00	0.02	0.00
5.54	1.08	0.00	0.00	0.02	0.00	5.56	1.12	0.00	0.00	0.02	0.00
5.58	1.16	0.00	0.00	0.02	0.00	5.60	1.22	0.00	0.00	0.02	0.00
5.62	1.31	0.00	0.00	0.02	0.00	5.64	1.38	0.00	0.00	0.02	0.00
5.66	1.48	0.00	0.00	0.02	0.00	5.68	1.48	0.00	0.00	0.02	0.00
5.70	1.44	0.00	0.00	0.02	0.00	5.72	1.42	0.00	0.00	0.02	0.00
5.74	1.35	0.00	0.00	0.02	0.00	5.76	1.30	0.00	0.00	0.02	0.00
5.78	1.29	0.00	0.00	0.02	0.00	5.80	1.29	0.00	0.00	0.02	0.00
5.82	1.25	0.00	0.00	0.02	0.00	5.84	1.22	0.00	0.00	0.02	0.00
5.86	1.16	0.00	0.00	0.02	0.00	5.88	1.13	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	1.13	0.00	0.00	0.02	0.00	5.92	1.21	0.00	0.00	0.02	0.00
5.94	1.37	0.00	0.00	0.02	0.00	5.96	1.55	0.00	0.00	0.02	0.00
5.98	1.66	0.00	0.00	0.02	0.00	6.00	1.57	0.00	0.00	0.02	0.00
6.02	1.49	0.00	0.00	0.02	0.00	6.04	1.47	0.00	0.00	0.02	0.00
6.06	1.49	0.00	0.00	0.02	0.00	6.08	1.50	0.00	0.00	0.02	0.00
6.10	1.51	0.00	0.00	0.02	0.00	6.12	1.56	0.00	0.00	0.02	0.00
6.14	1.64	0.00	0.00	0.02	0.00	6.16	1.67	0.00	0.00	0.02	0.00
6.18	1.62	0.00	0.00	0.02	0.00	6.20	1.52	0.00	0.00	0.02	0.00
6.22	1.42	0.00	0.00	0.02	0.00	6.24	1.40	0.00	0.00	0.02	0.00
6.26	1.46	0.00	0.00	0.02	0.00	6.28	1.42	0.00	0.00	0.02	0.00
6.30	1.48	0.00	0.00	0.02	0.00	6.32	1.47	0.00	0.00	0.02	0.00
6.34	1.37	0.00	0.00	0.02	0.00	6.36	1.22	0.00	0.00	0.02	0.00
6.38	1.09	0.00	0.00	0.02	0.00	6.40	1.06	0.00	0.00	0.02	0.00
6.42	1.05	0.00	0.00	0.02	0.00	6.44	1.03	0.00	0.00	0.02	0.00
6.46	1.02	0.00	0.00	0.02	0.00	6.48	1.03	0.00	0.00	0.02	0.00
6.50	1.04	0.00	0.00	0.02	0.00	6.52	1.03	0.00	0.00	0.02	0.00
6.54	1.02	0.00	0.00	0.02	0.00	6.56	0.94	0.00	0.00	0.02	0.01
6.58	0.94	0.00	0.00	0.02	0.01	6.60	0.95	0.00	0.00	0.02	0.01
6.62	0.96	0.00	0.00	0.02	0.00	6.64	0.98	0.00	0.00	0.02	0.00
6.66	0.98	0.00	0.00	0.02	0.00	6.68	0.99	0.00	0.00	0.02	0.00
6.70	0.97	0.00	0.00	0.02	0.00	6.72	0.93	0.00	0.00	0.02	0.01
6.74	0.93	0.00	0.00	0.02	0.01	6.76	0.94	0.00	0.00	0.02	0.01
6.78	0.96	0.00	0.00	0.02	0.01	6.80	0.96	0.00	0.00	0.02	0.01
6.82	0.94	0.00	0.00	0.02	0.01	6.84	0.91	0.00	0.00	0.02	0.01
6.86	0.91	0.00	0.00	0.02	0.01	6.88	0.94	0.00	0.00	0.02	0.01
6.90	0.98	0.00	0.00	0.02	0.00	6.92	0.97	0.00	0.00	0.02	0.00
6.94	0.97	0.00	0.00	0.02	0.00	6.96	0.95	0.00	0.00	0.02	0.01
6.98	0.93	0.00	0.00	0.02	0.01	7.00	0.92	0.00	0.00	0.02	0.01
7.02	0.92	0.00	0.00	0.02	0.01	7.04	0.95	0.00	0.00	0.02	0.01
7.06	0.98	0.00	0.00	0.02	0.00	7.08	0.98	0.00	0.00	0.02	0.00
7.10	0.97	0.00	0.00	0.02	0.00	7.12	0.92	0.00	0.00	0.02	0.01
7.14	0.88	0.00	0.00	0.02	0.02	7.16	0.86	0.00	0.00	0.02	0.02
7.18	0.87	0.00	0.00	0.02	0.02	7.20	0.89	0.00	0.00	0.02	0.01
7.22	0.90	0.00	0.00	0.02	0.01	7.24	0.86	0.00	0.00	0.02	0.02
7.26	0.87	0.00	0.00	0.02	0.02	7.28	0.87	0.00	0.00	0.02	0.02
7.30	0.90	0.00	0.00	0.02	0.01	7.32	0.92	0.00	0.00	0.02	0.01
7.34	0.93	0.00	0.00	0.02	0.01	7.36	0.92	0.00	0.00	0.02	0.01
7.38	0.92	0.00	0.00	0.02	0.01	7.40	0.93	0.00	0.00	0.02	0.01
7.42	1.01	0.00	0.00	0.02	0.00	7.44	1.09	0.00	0.00	0.02	0.00
7.46	1.11	0.00	0.00	0.02	0.00	7.48	1.09	0.00	0.00	0.02	0.00
7.50	1.09	0.00	0.00	0.02	0.00	7.52	1.08	0.00	0.00	0.02	0.00
7.54	1.09	0.00	0.00	0.02	0.00	7.56	1.09	0.00	0.00	0.02	0.00
7.58	1.07	0.00	0.00	0.02	0.00	7.60	1.00	0.00	0.00	0.02	0.00
7.62	0.97	0.00	0.00	0.02	0.00	7.64	0.96	0.00	0.00	0.02	0.01
7.66	0.94	0.00	0.00	0.02	0.01	7.68	0.94	0.00	0.00	0.02	0.01
7.70	0.93	0.00	0.00	0.02	0.01	7.72	0.91	0.00	0.00	0.02	0.01
7.74	0.91	0.00	0.00	0.02	0.01	7.76	0.92	0.00	0.00	0.02	0.01
7.78	0.91	0.00	0.00	0.02	0.01	7.80	0.92	0.00	0.00	0.02	0.01
7.82	0.94	0.00	0.00	0.02	0.01	7.84	0.94	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.96	0.00	0.00	0.02	0.01	7.88	1.00	0.00	0.00	0.02	0.00
7.90	1.02	0.00	0.00	0.02	0.00	7.92	1.00	0.00	0.00	0.02	0.00
7.94	0.99	0.00	0.00	0.02	0.00	7.96	0.97	0.00	0.00	0.02	0.00
7.98	0.98	0.00	0.00	0.02	0.00	8.00	0.99	0.00	0.00	0.02	0.00
8.02	0.97	0.00	0.00	0.02	0.00	8.04	0.93	0.00	0.00	0.02	0.01
8.06	0.89	0.00	0.00	0.02	0.01	8.08	0.89	0.00	0.00	0.02	0.01
8.10	0.89	0.00	0.00	0.02	0.01	8.12	0.92	0.00	0.00	0.02	0.01
8.14	0.99	0.00	0.00	0.02	0.00	8.16	1.08	0.00	0.00	0.02	0.00
8.18	1.26	0.00	0.00	0.02	0.00	8.20	1.32	0.00	0.00	0.02	0.00
8.22	1.35	0.00	0.00	0.02	0.00	8.24	1.38	0.00	0.00	0.02	0.00
8.26	1.40	0.00	0.00	0.02	0.00	8.28	1.42	0.00	0.00	0.02	0.00
8.30	1.43	0.00	0.00	0.02	0.00	8.32	1.41	0.00	0.00	0.02	0.00
8.34	1.36	0.00	0.00	0.02	0.00	8.36	1.30	0.00	0.00	0.02	0.00
8.38	1.24	0.00	0.00	0.02	0.00	8.40	1.19	0.00	0.00	0.02	0.00
8.42	1.16	0.00	0.00	0.02	0.00	8.44	1.13	0.00	0.00	0.02	0.00
8.46	1.08	0.00	0.00	0.02	0.00	8.48	1.05	0.00	0.00	0.02	0.00
8.50	1.03	0.00	0.00	0.02	0.00	8.52	1.02	0.00	0.00	0.02	0.00
8.54	1.00	0.00	0.00	0.02	0.00	8.56	0.99	0.00	0.00	0.02	0.00
8.58	0.99	0.00	0.00	0.02	0.00	8.60	0.98	0.00	0.00	0.02	0.00
8.62	0.98	0.00	0.00	0.02	0.00	8.64	0.98	0.00	0.00	0.02	0.00
8.66	0.98	0.00	0.00	0.02	0.00	8.68	0.98	0.00	0.00	0.02	0.00
8.70	0.97	0.00	0.00	0.02	0.00	8.72	0.91	0.00	0.00	0.02	0.01
8.74	0.88	0.00	0.00	0.02	0.01	8.76	0.89	0.00	0.00	0.02	0.01
8.78	0.91	0.00	0.00	0.02	0.01	8.80	0.93	0.00	0.00	0.02	0.01
8.82	0.92	0.00	0.00	0.02	0.01	8.84	0.93	0.00	0.00	0.02	0.01
8.86	0.93	0.00	0.00	0.02	0.01	8.88	0.96	0.00	0.00	0.02	0.00
8.90	0.98	0.00	0.00	0.02	0.00	8.92	0.98	0.00	0.00	0.02	0.00
8.94	0.98	0.00	0.00	0.02	0.00	8.96	0.98	0.00	0.00	0.02	0.00
8.98	0.98	0.00	0.00	0.02	0.00	9.00	0.99	0.00	0.00	0.02	0.00
9.02	0.98	0.00	0.00	0.02	0.00	9.04	0.97	0.00	0.00	0.02	0.00
9.06	0.92	0.00	0.00	0.02	0.01	9.08	0.91	0.00	0.00	0.02	0.01
9.10	0.93	0.00	0.00	0.02	0.01	9.12	0.91	0.00	0.00	0.02	0.01
9.14	0.89	0.00	0.00	0.02	0.01	9.16	0.93	0.00	0.00	0.02	0.01
9.18	0.98	0.00	0.00	0.02	0.00	9.20	1.04	0.00	0.00	0.02	0.00
9.22	1.11	0.00	0.00	0.02	0.00	9.24	1.13	0.00	0.00	0.02	0.00
9.26	1.09	0.00	0.00	0.02	0.00	9.28	1.01	0.00	0.00	0.02	0.00
9.30	0.97	0.00	0.00	0.02	0.00	9.32	0.96	0.00	0.00	0.02	0.00
9.34	0.96	0.00	0.00	0.02	0.00	9.36	0.96	0.00	0.00	0.02	0.00
9.38	0.94	0.00	0.00	0.02	0.01	9.40	0.88	0.00	0.00	0.02	0.01
9.42	0.87	0.00	0.00	0.02	0.01	9.44	0.89	0.00	0.00	0.02	0.01
9.46	0.91	0.00	0.00	0.02	0.01	9.48	0.90	0.00	0.00	0.02	0.01
9.50	0.90	0.00	0.00	0.02	0.01	9.52	0.88	0.00	0.00	0.02	0.01
9.54	0.86	0.00	0.00	0.02	0.01	9.56	0.86	0.00	0.00	0.02	0.01
9.58	0.91	0.00	0.00	0.02	0.01	9.60	0.99	0.00	0.00	0.02	0.00
9.62	1.09	0.00	0.00	0.02	0.00	9.64	1.24	0.00	0.00	0.02	0.00
9.66	1.41	0.00	0.00	0.02	0.00	9.68	1.51	0.00	0.00	0.02	0.00
9.70	1.49	0.00	0.00	0.02	0.00	9.72	1.42	0.00	0.00	0.02	0.00
9.74	1.44	0.00	0.00	0.02	0.00	9.76	1.45	0.00	0.00	0.02	0.00
9.78	1.40	0.00	0.00	0.02	0.00	9.80	1.30	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	1.13	0.00	0.00	0.02	0.00	9.84	1.00	0.00	0.00	0.02	0.00
9.86	0.94	0.00	0.00	0.02	0.01	9.88	0.92	0.00	0.00	0.02	0.01
9.90	0.92	0.00	0.00	0.02	0.01	9.92	0.92	0.00	0.00	0.02	0.01
9.94	0.93	0.00	0.00	0.02	0.01	9.96	0.97	0.00	0.00	0.02	0.00
9.98	1.05	0.00	0.00	0.02	0.00	10.00	1.12	0.00	0.00	0.02	0.00
10.02	1.17	0.00	0.00	0.02	0.00	10.04	1.17	0.00	0.00	0.02	0.00
10.06	1.19	0.00	0.00	0.02	0.00	10.08	1.24	0.00	0.00	0.02	0.00
10.10	1.26	0.00	0.00	0.02	0.00	10.12	1.03	0.00	0.00	0.02	0.00
10.14	1.05	0.00	0.00	0.02	0.00	10.16	1.32	0.00	0.00	0.02	0.00
10.18	1.65	0.00	0.00	0.02	0.00	10.20	1.87	0.00	0.00	0.02	0.00
10.22	1.65	0.00	0.00	0.02	0.00	10.24	1.31	0.00	0.00	0.02	0.00
10.26	1.24	0.00	0.00	0.02	0.00	10.28	1.30	0.00	0.00	0.02	0.00
10.30	1.34	0.00	0.00	0.02	0.00	10.32	1.10	0.00	0.00	0.02	0.00
10.34	1.02	0.00	0.00	0.02	0.00	10.36	0.98	0.00	0.00	0.02	0.00
10.38	0.92	0.00	0.00	0.02	0.01	10.40	0.94	0.00	0.00	0.02	0.01
10.42	0.97	0.00	0.00	0.02	0.00	10.44	0.98	0.00	0.00	0.02	0.00
10.46	0.99	0.00	0.00	0.02	0.00	10.48	0.97	0.00	0.00	0.02	0.00
10.50	0.94	0.00	0.00	0.02	0.01	10.52	0.93	0.00	0.00	0.02	0.01
10.54	0.92	0.00	0.00	0.02	0.01	10.56	0.93	0.00	0.00	0.02	0.01
10.58	0.96	0.00	0.00	0.02	0.00	10.60	1.01	0.00	0.00	0.02	0.00
10.62	1.01	0.00	0.00	0.02	0.00	10.64	1.02	0.00	0.00	0.02	0.00
10.66	1.02	0.00	0.00	0.02	0.00	10.68	1.01	0.00	0.00	0.02	0.00
10.70	1.02	0.00	0.00	0.02	0.00	10.72	1.03	0.00	0.00	0.02	0.00
10.74	1.05	0.00	0.00	0.02	0.00	10.76	1.07	0.00	0.00	0.02	0.00
10.78	1.08	0.00	0.00	0.02	0.00	10.80	1.13	0.00	0.00	0.02	0.00
10.82	1.19	0.00	0.00	0.02	0.00	10.84	1.26	0.00	0.00	0.02	0.00
10.86	1.32	0.00	0.00	0.02	0.00	10.88	1.37	0.00	0.00	0.02	0.00
10.90	1.37	0.00	0.00	0.02	0.00	10.92	1.36	0.00	0.00	0.02	0.00
10.94	1.33	0.00	0.00	0.02	0.00	10.96	1.27	0.00	0.00	0.02	0.00
10.98	1.19	0.00	0.00	0.02	0.00	11.00	1.12	0.00	0.00	0.02	0.00
11.02	1.06	0.00	0.00	0.02	0.00	11.04	1.03	0.00	0.00	0.02	0.00
11.06	1.01	0.00	0.00	0.02	0.00	11.08	1.00	0.00	0.00	0.02	0.00
11.10	1.00	0.00	0.00	0.02	0.00	11.12	1.00	0.00	0.00	0.02	0.00
11.14	1.00	0.00	0.00	0.02	0.00	11.16	1.01	0.00	0.00	0.02	0.00
11.18	1.04	0.00	0.00	0.02	0.00	11.20	1.07	0.00	0.00	0.02	0.00
11.22	1.12	0.00	0.00	0.02	0.00	11.24	1.17	0.00	0.00	0.02	0.00
11.26	1.24	0.00	0.00	0.02	0.00	11.28	1.32	0.00	0.00	0.02	0.00
11.30	1.40	0.00	0.00	0.02	0.00	11.32	1.50	0.00	0.00	0.02	0.00
11.34	1.55	0.00	0.00	0.02	0.00	11.36	1.68	0.00	0.00	0.02	0.00
11.38	1.75	0.00	0.00	0.02	0.00	11.40	1.73	0.00	0.00	0.02	0.00
11.42	1.66	0.00	0.00	0.02	0.00	11.44	1.62	0.00	0.00	0.02	0.00
11.46	1.60	0.00	0.00	0.02	0.00	11.48	1.55	0.00	0.00	0.02	0.00
11.50	1.46	0.00	0.00	0.02	0.00	11.52	1.43	0.00	0.00	0.02	0.00
11.54	1.42	0.00	0.00	0.02	0.00	11.56	1.40	0.00	0.00	0.02	0.00
11.58	1.36	0.00	0.00	0.02	0.00	11.60	1.33	0.00	0.00	0.02	0.00
11.62	1.30	0.00	0.00	0.02	0.00	11.64	1.27	0.00	0.00	0.02	0.00
11.66	1.22	0.00	0.00	0.02	0.00	11.68	1.15	0.00	0.00	0.02	0.00
11.70	1.10	0.00	0.00	0.02	0.00	11.72	1.09	0.00	0.00	0.02	0.00
11.74	1.09	0.00	0.00	0.02	0.00	11.76	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	1.10	0.00	0.00	0.02	0.00	11.80	1.16	0.00	0.00	0.02	0.00
11.82	1.23	0.00	0.00	0.02	0.00	11.84	1.28	0.00	0.00	0.02	0.00
11.86	1.34	0.00	0.00	0.02	0.00	11.88	1.42	0.00	0.00	0.02	0.00
11.90	1.46	0.00	0.00	0.02	0.00	11.92	1.42	0.00	0.00	0.02	0.00
11.94	1.32	0.00	0.00	0.02	0.00	11.96	1.17	0.00	0.00	0.02	0.00
11.98	1.09	0.00	0.00	0.02	0.00	12.00	1.08	0.00	0.00	0.02	0.00
12.02	1.10	0.00	0.00	0.02	0.00	12.04	1.10	0.00	0.00	0.02	0.00
12.06	1.08	0.00	0.00	0.02	0.00	12.08	1.11	0.00	0.00	0.02	0.00
12.10	1.16	0.00	0.00	0.02	0.00	12.12	1.17	0.00	0.00	0.02	0.00
12.14	1.16	0.00	0.00	0.02	0.00	12.16	1.16	0.00	0.00	0.02	0.00
12.18	1.20	0.00	0.00	0.02	0.00	12.20	1.27	0.00	0.00	0.02	0.00
12.22	1.30	0.00	0.00	0.02	0.00	12.24	1.25	0.00	0.00	0.02	0.00
12.26	1.14	0.00	0.00	0.02	0.00	12.28	1.02	0.00	0.00	0.02	0.00
12.30	0.96	0.00	0.00	0.02	0.00	12.32	0.97	0.00	0.00	0.02	0.00
12.34	0.99	0.00	0.00	0.02	0.00	12.36	0.99	0.00	0.00	0.02	0.00
12.38	0.95	0.00	0.00	0.02	0.00	12.40	0.95	0.00	0.00	0.02	0.00
12.42	0.95	0.00	0.00	0.02	0.00	12.44	0.93	0.00	0.00	0.02	0.00
12.46	0.95	0.00	0.00	0.02	0.00	12.48	0.99	0.00	0.00	0.02	0.00
12.50	1.02	0.00	0.00	0.02	0.00	12.52	1.05	0.00	0.00	0.02	0.00
12.54	1.06	0.00	0.00	0.02	0.00	12.56	1.05	0.00	0.00	0.02	0.00
12.58	1.05	0.00	0.00	0.02	0.00	12.60	1.01	0.00	0.00	0.02	0.00
12.62	0.99	0.00	0.00	0.02	0.00	12.64	0.95	0.00	0.00	0.02	0.00
12.66	0.94	0.00	0.00	0.02	0.00	12.68	0.95	0.00	0.00	0.02	0.00
12.70	0.95	0.00	0.00	0.02	0.00	12.72	0.95	0.00	0.00	0.02	0.00
12.74	1.01	0.00	0.00	0.02	0.00	12.76	1.05	0.00	0.00	0.02	0.00
12.78	1.06	0.00	0.00	0.02	0.00	12.80	1.07	0.00	0.00	0.02	0.00
12.82	1.06	0.00	0.00	0.02	0.00	12.84	1.06	0.00	0.00	0.02	0.00
12.86	1.05	0.00	0.00	0.02	0.00	12.88	1.05	0.00	0.00	0.02	0.00
12.90	1.05	0.00	0.00	0.02	0.00	12.92	1.05	0.00	0.00	0.02	0.00
12.94	1.04	0.00	0.00	0.02	0.00	12.96	1.04	0.00	0.00	0.02	0.00
12.98	1.04	0.00	0.00	0.02	0.00	13.00	0.99	0.00	0.00	0.02	0.00
13.02	0.96	0.00	0.00	0.02	0.00	13.04	0.94	0.00	0.00	0.02	0.00
13.06	0.98	0.00	0.00	0.02	0.00	13.08	1.03	0.00	0.00	0.02	0.00
13.10	1.07	0.00	0.00	0.02	0.00	13.12	1.13	0.00	0.00	0.02	0.00
13.14	1.14	0.00	0.00	0.02	0.00	13.16	1.09	0.00	0.00	0.02	0.00
13.18	1.01	0.00	0.00	0.02	0.00	13.20	0.96	0.00	0.00	0.02	0.00
13.22	0.94	0.00	0.00	0.02	0.00	13.24	0.96	0.00	0.00	0.02	0.00
13.26	1.20	0.00	0.00	0.02	0.00	13.28	1.23	0.00	0.00	0.02	0.00
13.30	1.32	0.00	0.00	0.02	0.00	13.32	1.32	0.00	0.00	0.02	0.00
13.34	1.42	0.00	0.00	0.02	0.00	13.36	1.48	0.00	0.00	0.02	0.00
13.38	1.42	0.00	0.00	0.02	0.00	13.40	1.34	0.00	0.00	0.02	0.00
13.42	1.27	0.00	0.00	0.02	0.00	13.44	1.21	0.00	0.00	0.02	0.00
13.46	1.15	0.00	0.00	0.02	0.00	13.48	1.18	0.00	0.00	0.02	0.00
13.50	1.26	0.00	0.00	0.02	0.00	13.52	1.34	0.00	0.00	0.02	0.00
13.54	1.26	0.00	0.00	0.02	0.00	13.56	1.14	0.00	0.00	0.02	0.00
13.58	1.06	0.00	0.00	0.02	0.00	13.60	1.08	0.00	0.00	0.02	0.00
13.62	1.13	0.00	0.00	0.02	0.00	13.64	1.13	0.00	0.00	0.02	0.00
13.66	1.12	0.00	0.00	0.02	0.00	13.68	1.24	0.00	0.00	0.02	0.00
13.70	1.33	0.00	0.00	0.02	0.00	13.72	1.37	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	1.33	0.00	0.00	0.02	0.00	13.76	1.25	0.00	0.00	0.02	0.00
13.78	1.16	0.00	0.00	0.02	0.00	13.80	1.09	0.00	0.00	0.02	0.00
13.82	1.05	0.00	0.00	0.02	0.00	13.84	1.01	0.00	0.00	0.02	0.00
13.86	0.97	0.00	0.00	0.02	0.00	13.88	0.94	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	1.00	0.00	0.00	0.02	0.00	14.00	1.06	0.00	0.00	0.02	0.00
14.02	1.10	0.00	0.00	0.02	0.00	14.04	1.09	0.00	0.00	0.02	0.00
14.06	1.08	0.00	0.00	0.02	0.00	14.08	0.99	0.00	0.00	0.02	0.00
14.10	0.94	0.00	0.00	0.02	0.00	14.12	1.02	0.00	0.00	0.02	0.00
14.14	1.06	0.00	0.00	0.02	0.00	14.16	1.11	0.00	0.00	0.02	0.00
14.18	1.15	0.00	0.00	0.02	0.00	14.20	1.18	0.00	0.00	0.02	0.00
14.22	1.21	0.00	0.00	0.02	0.00	14.24	1.13	0.00	0.00	0.02	0.00
14.26	1.14	0.00	0.00	0.02	0.00	14.28	1.17	0.00	0.00	0.02	0.00
14.30	1.14	0.00	0.00	0.02	0.00	14.32	1.13	0.00	0.00	0.02	0.00
14.34	1.13	0.00	0.00	0.02	0.00	14.36	1.12	0.00	0.00	0.02	0.00
14.38	1.11	0.00	0.00	0.02	0.00	14.40	1.10	0.00	0.00	0.02	0.00
14.42	1.09	0.00	0.00	0.02	0.00	14.44	1.07	0.00	0.00	0.02	0.00
14.46	1.08	0.00	0.00	0.02	0.00	14.48	1.08	0.00	0.00	0.02	0.00
14.50	1.07	0.00	0.00	0.02	0.00	14.52	1.06	0.00	0.00	0.02	0.00
14.54	1.06	0.00	0.00	0.02	0.00	14.56	1.06	0.00	0.00	0.02	0.00
14.58	1.07	0.00	0.00	0.02	0.00	14.60	1.07	0.00	0.00	0.02	0.00
14.62	1.07	0.00	0.00	0.02	0.00	14.64	1.07	0.00	0.00	0.02	0.00
14.66	1.08	0.00	0.00	0.02	0.00	14.68	1.08	0.00	0.00	0.02	0.00
14.70	1.10	0.00	0.00	0.02	0.00	14.72	1.08	0.00	0.00	0.02	0.00
14.74	1.08	0.00	0.00	0.02	0.00	14.76	1.08	0.00	0.00	0.02	0.00
14.78	1.09	0.00	0.00	0.02	0.00	14.80	1.07	0.00	0.00	0.02	0.00
14.82	1.06	0.00	0.00	0.02	0.00	14.84	1.10	0.00	0.00	0.02	0.00
14.86	1.17	0.00	0.00	0.02	0.00	14.88	1.20	0.00	0.00	0.02	0.00
14.90	1.22	0.00	0.00	0.02	0.00	14.92	1.21	0.00	0.00	0.02	0.00
14.94	1.21	0.00	0.00	0.02	0.00	14.96	1.21	0.00	0.00	0.02	0.00
14.98	1.21	0.00	0.00	0.02	0.00	15.00	1.19	0.00	0.00	0.02	0.00
15.02	1.19	0.00	0.00	0.02	0.00	15.04	1.21	0.00	0.00	0.02	0.00
15.06	1.22	0.00	0.00	0.02	0.00	15.08	1.16	0.00	0.00	0.02	0.00
15.10	1.16	0.00	0.00	0.02	0.00	15.12	1.17	0.00	0.00	0.02	0.00
15.14	1.17	0.00	0.00	0.02	0.00	15.16	1.21	0.00	0.00	0.02	0.00
15.18	1.21	0.00	0.00	0.02	0.00	15.20	1.16	0.00	0.00	0.02	0.00
15.22	1.15	0.00	0.00	0.02	0.00	15.24	1.13	0.00	0.00	0.02	0.00
15.26	1.14	0.00	0.00	0.02	0.00	15.28	1.14	0.00	0.00	0.02	0.00
15.30	1.11	0.00	0.00	0.02	0.00	15.32	1.10	0.00	0.00	0.02	0.00
15.34	1.11	0.00	0.00	0.02	0.00	15.36	1.12	0.00	0.00	0.02	0.00
15.38	1.13	0.00	0.00	0.02	0.00	15.40	1.13	0.00	0.00	0.02	0.00
15.42	1.12	0.00	0.00	0.02	0.00	15.44	1.13	0.00	0.00	0.02	0.00
15.46	1.10	0.00	0.00	0.02	0.00	15.48	1.11	0.00	0.00	0.02	0.00
15.50	1.11	0.00	0.00	0.02	0.00	15.52	1.12	0.00	0.00	0.02	0.00
15.54	1.12	0.00	0.00	0.02	0.00	15.56	1.13	0.00	0.00	0.02	0.00
15.58	1.13	0.00	0.00	0.02	0.00	15.60	1.15	0.00	0.00	0.02	0.00
15.62	1.15	0.00	0.00	0.02	0.00	15.64	1.14	0.00	0.00	0.02	0.00
15.66	1.11	0.00	0.00	0.02	0.00	15.68	1.10	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	1.11	0.00	0.00	0.02	0.00	15.72	1.11	0.00	0.00	0.02	0.00
15.74	1.10	0.00	0.00	0.02	0.00	15.76	1.08	0.00	0.00	0.02	0.00
15.78	1.07	0.00	0.00	0.02	0.00	15.80	1.04	0.00	0.00	0.02	0.00
15.82	1.03	0.00	0.00	0.02	0.00	15.84	1.05	0.00	0.00	0.02	0.00
15.86	1.05	0.00	0.00	0.02	0.00	15.88	1.12	0.00	0.00	0.02	0.00
15.90	1.14	0.00	0.00	0.02	0.00	15.92	1.16	0.00	0.00	0.02	0.00
15.94	1.17	0.00	0.00	0.02	0.00	15.96	1.17	0.00	0.00	0.02	0.00
15.98	1.17	0.00	0.00	0.02	0.00	16.00	1.17	0.00	0.00	0.02	0.00
16.02	1.16	0.00	0.00	0.02	0.00	16.04	1.15	0.00	0.00	0.02	0.00
16.06	1.16	0.00	0.00	0.02	0.00	16.08	1.16	0.00	0.00	0.02	0.00
16.10	1.16	0.00	0.00	0.02	0.00	16.12	1.14	0.00	0.00	0.02	0.00
16.14	1.15	0.00	0.00	0.02	0.00	16.16	1.17	0.00	0.00	0.02	0.00
16.18	1.18	0.00	0.00	0.02	0.00	16.20	1.20	0.00	0.00	0.02	0.00
16.22	1.19	0.00	0.00	0.02	0.00	16.24	1.18	0.00	0.00	0.02	0.00
16.26	1.14	0.00	0.00	0.02	0.00	16.28	1.12	0.00	0.00	0.02	0.00
16.30	1.11	0.00	0.00	0.02	0.00	16.32	1.10	0.00	0.00	0.02	0.00
16.34	1.13	0.00	0.00	0.02	0.00	16.36	1.16	0.00	0.00	0.02	0.00
16.38	1.18	0.00	0.00	0.02	0.00	16.40	1.20	0.00	0.00	0.02	0.00
16.42	1.18	0.00	0.00	0.02	0.00	16.44	1.19	0.00	0.00	0.02	0.00
16.46	1.20	0.00	0.00	0.02	0.00	16.48	1.20	0.00	0.00	0.02	0.00
16.50	1.19	0.00	0.00	0.02	0.00	16.52	1.18	0.00	0.00	0.02	0.00
16.54	1.19	0.00	0.00	0.02	0.00	16.56	1.19	0.00	0.00	0.02	0.00
16.58	1.20	0.00	0.00	0.02	0.00	16.60	1.20	0.00	0.00	0.02	0.00
16.62	1.20	0.00	0.00	0.02	0.00	16.64	1.21	0.00	0.00	0.02	0.00
16.66	1.22	0.00	0.00	0.02	0.00	16.68	1.23	0.00	0.00	0.02	0.00
16.70	1.21	0.00	0.00	0.02	0.00	16.72	1.16	0.00	0.00	0.02	0.00
16.74	1.15	0.00	0.00	0.02	0.00	16.76	1.14	0.00	0.00	0.02	0.00
16.78	1.11	0.00	0.00	0.02	0.00	16.80	1.07	0.00	0.00	0.02	0.00
16.82	1.04	0.00	0.00	0.02	0.00	16.84	1.05	0.00	0.00	0.02	0.00
16.86	1.13	0.00	0.00	0.02	0.00	16.88	1.22	0.00	0.00	0.02	0.00
16.90	1.31	0.00	0.00	0.02	0.00	16.92	1.40	0.00	0.00	0.02	0.00
16.94	1.47	0.00	0.00	0.02	0.00	16.96	1.50	0.00	0.00	0.02	0.00
16.98	1.51	0.00	0.00	0.02	0.00	17.00	1.51	0.00	0.00	0.02	0.00
17.02	1.48	0.00	0.00	0.02	0.00	17.04	1.44	0.00	0.00	0.02	0.00
17.06	1.40	0.00	0.00	0.02	0.00	17.08	1.27	0.00	0.00	0.02	0.00
17.10	1.24	0.00	0.00	0.02	0.00	17.12	1.34	0.00	0.00	0.02	0.00
17.14	1.42	0.00	0.00	0.02	0.00	17.16	1.47	0.00	0.00	0.02	0.00
17.18	1.46	0.00	0.00	0.02	0.00	17.20	1.47	0.00	0.00	0.02	0.00
17.22	1.45	0.00	0.00	0.02	0.00	17.24	1.38	0.00	0.00	0.02	0.00
17.26	1.31	0.00	0.00	0.02	0.00	17.28	1.25	0.00	0.00	0.02	0.00
17.30	1.24	0.00	0.00	0.02	0.00	17.32	1.28	0.00	0.00	0.02	0.00
17.34	1.32	0.00	0.00	0.02	0.00	17.36	1.27	0.00	0.00	0.02	0.00
17.38	1.28	0.00	0.00	0.02	0.00	17.40	1.27	0.00	0.00	0.02	0.00
17.42	1.27	0.00	0.00	0.02	0.00	17.44	1.28	0.00	0.00	0.02	0.00
17.46	1.31	0.00	0.00	0.02	0.00	17.48	1.37	0.00	0.00	0.02	0.00
17.50	1.40	0.00	0.00	0.02	0.00	17.52	1.39	0.00	0.00	0.02	0.00
17.54	1.36	0.00	0.00	0.02	0.00	17.56	1.33	0.00	0.00	0.02	0.00
17.58	1.31	0.00	0.00	0.02	0.00	17.60	1.28	0.00	0.00	0.02	0.00
17.62	1.23	0.00	0.00	0.02	0.00	17.64	1.16	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	1.17	0.00	0.00	0.02	0.00	17.68	1.25	0.00	0.00	0.02	0.00
17.70	1.29	0.00	0.00	0.02	0.00	17.72	1.29	0.00	0.00	0.02	0.00
17.74	1.26	0.00	0.00	0.02	0.00	17.76	1.27	0.00	0.00	0.02	0.00
17.78	1.28	0.00	0.00	0.02	0.00	17.80	1.26	0.00	0.00	0.02	0.00
17.82	1.23	0.00	0.00	0.02	0.00	17.84	1.21	0.00	0.00	0.02	0.00
17.86	1.27	0.00	0.00	0.02	0.00	17.88	1.36	0.00	0.00	0.02	0.00
17.90	1.39	0.00	0.00	0.02	0.00	17.92	1.40	0.00	0.00	0.02	0.00
17.94	1.39	0.00	0.00	0.02	0.00	17.96	1.35	0.00	0.00	0.02	0.00
17.98	1.29	0.00	0.00	0.02	0.00	18.00	1.22	0.00	0.00	0.02	0.00
18.02	1.19	0.00	0.00	0.02	0.00	18.04	1.15	0.00	0.00	0.02	0.00
18.06	1.14	0.00	0.00	0.02	0.00	18.08	1.15	0.00	0.00	0.02	0.00
18.10	1.23	0.00	0.00	0.02	0.00	18.12	1.32	0.00	0.00	0.02	0.00
18.14	1.36	0.00	0.00	0.02	0.00	18.16	1.37	0.00	0.00	0.02	0.00
18.18	1.37	0.00	0.00	0.02	0.00	18.20	1.37	0.00	0.00	0.02	0.00
18.22	1.34	0.00	0.00	0.02	0.00	18.24	1.31	0.00	0.00	0.02	0.00
18.26	1.28	0.00	0.00	0.02	0.00	18.28	1.27	0.00	0.00	0.02	0.00
18.30	1.28	0.00	0.00	0.02	0.00	18.32	1.23	0.00	0.00	0.02	0.00
18.34	1.23	0.00	0.00	0.02	0.00	18.36	1.26	0.00	0.00	0.02	0.00
18.38	1.27	0.00	0.00	0.02	0.00	18.40	1.28	0.00	0.00	0.02	0.00
18.42	1.29	0.00	0.00	0.02	0.00	18.44	1.27	0.00	0.00	0.02	0.00
18.46	1.27	0.00	0.00	0.02	0.00	18.48	1.25	0.00	0.00	0.02	0.00
18.50	1.21	0.00	0.00	0.02	0.00	18.52	1.19	0.00	0.00	0.02	0.00
18.54	1.18	0.00	0.00	0.02	0.00	18.56	1.19	0.00	0.00	0.02	0.00
18.58	1.22	0.00	0.00	0.02	0.00	18.60	1.25	0.00	0.00	0.02	0.00
18.62	1.30	0.00	0.00	0.02	0.00	18.64	1.40	0.00	0.00	0.02	0.00
18.66	1.55	0.00	0.00	0.02	0.00	18.68	1.78	0.00	0.00	0.02	0.00
18.70	1.88	0.00	0.00	0.02	0.00	18.72	1.86	0.00	0.00	0.02	0.00
18.74	1.73	0.00	0.00	0.02	0.00	18.76	1.61	0.00	0.00	0.02	0.00
18.78	1.59	0.00	0.00	0.02	0.00	18.80	1.64	0.00	0.00	0.02	0.00
18.82	1.71	0.00	0.00	0.02	0.00	18.84	1.74	0.00	0.00	0.02	0.00
18.86	1.65	0.00	0.00	0.02	0.00	18.88	1.48	0.00	0.00	0.02	0.00
18.90	1.34	0.00	0.00	0.02	0.00	18.92	1.43	0.00	0.00	0.02	0.00
18.94	1.58	0.00	0.00	0.02	0.00	18.96	1.83	0.00	0.00	0.02	0.00
18.98	1.94	0.00	0.00	0.02	0.00	19.00	1.90	0.00	0.00	0.02	0.00
19.02	1.82	0.00	0.00	0.02	0.00	19.04	1.71	0.00	0.00	0.02	0.00
19.06	1.57	0.00	0.00	0.02	0.00	19.08	1.48	0.00	0.00	0.02	0.00
19.10	1.40	0.00	0.00	0.02	0.00	19.12	1.39	0.00	0.00	0.02	0.00
19.14	1.38	0.00	0.00	0.02	0.00	19.16	1.37	0.00	0.00	0.02	0.00
19.18	1.45	0.00	0.00	0.02	0.00	19.20	1.61	0.00	0.00	0.02	0.00
19.22	1.75	0.00	0.00	0.02	0.00	19.24	1.91	0.00	0.00	0.02	0.00
19.26	1.87	0.00	0.00	0.02	0.00	19.28	1.63	0.00	0.00	0.02	0.00
19.30	1.61	0.00	0.00	0.02	0.00	19.32	1.58	0.00	0.00	0.02	0.00
19.34	1.52	0.00	0.00	0.02	0.00	19.36	1.50	0.00	0.00	0.02	0.00
19.38	1.49	0.00	0.00	0.02	0.00	19.40	1.47	0.00	0.00	0.02	0.00
19.42	1.48	0.00	0.00	0.02	0.00	19.44	1.49	0.00	0.00	0.02	0.00
19.46	1.50	0.00	0.00	0.02	0.00	19.48	1.50	0.00	0.00	0.02	0.00
19.50	1.50	0.00	0.00	0.02	0.00	19.52	1.54	0.00	0.00	0.02	0.00
19.54	1.55	0.00	0.00	0.02	0.00	19.56	1.52	0.00	0.00	0.02	0.00
19.58	1.49	0.00	0.00	0.02	0.00	19.60	1.47	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.47	0.00	0.00	0.02	0.00	19.64	1.47	0.00	0.00	0.02	0.00
19.66	1.50	0.00	0.00	0.02	0.00	19.68	1.47	0.00	0.00	0.02	0.00
19.70	1.43	0.00	0.00	0.02	0.00	19.72	1.40	0.00	0.00	0.02	0.00
19.74	1.35	0.00	0.00	0.02	0.00	19.76	1.33	0.00	0.00	0.02	0.00
19.78	1.35	0.00	0.00	0.02	0.00	19.80	1.39	0.00	0.00	0.02	0.00
19.82	1.43	0.00	0.00	0.02	0.00	19.84	1.56	0.00	0.00	0.02	0.00
19.86	1.80	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

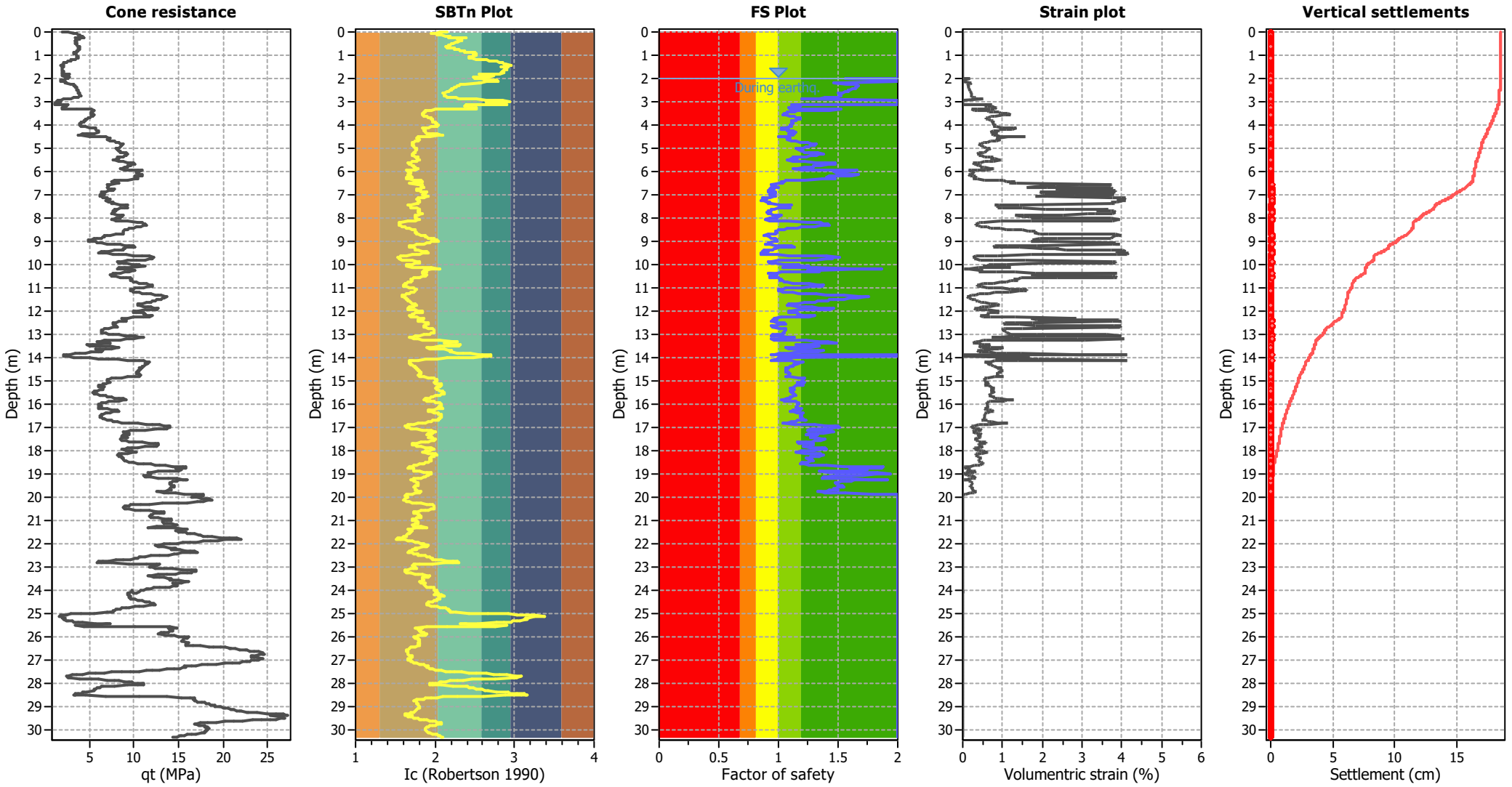
Overall liquefaction potential: 1.04

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.16	32.59	1.00	32.59	7	26894	0.09	0.000	0.00	3.58	0.00	0.000
0.04	2.06	42.65	1.37	58.48	12	31235	0.09	0.000	0.00	3.58	0.00	0.000
0.06	2.01	53.41	1.31	70.17	15	36425	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.95	57.74	1.27	73.49	15	36786	0.09	0.000	0.00	3.58	0.00	0.000
0.10	2.04	60.22	1.34	80.83	17	42665	0.09	0.000	0.00	3.58	0.00	0.000
0.12	2.03	62.23	1.33	82.91	17	43533	0.09	0.000	0.00	3.58	0.00	0.000
0.14	2.04	64.93	1.35	87.56	19	46360	0.09	0.000	0.00	3.58	0.00	0.000
0.16	2.08	66.09	1.40	92.34	20	49675	0.08	0.000	0.00	3.58	0.00	0.000
0.18	2.13	67.09	1.46	98.26	22	53312	0.08	0.001	0.00	3.58	0.00	0.000
0.20	2.19	65.05	1.60	103.80	23	56046	0.08	0.001	0.00	3.58	0.00	0.000
0.22	2.18	69.93	1.56	108.82	24	58951	0.08	0.001	0.00	3.58	0.00	0.000
0.24	2.18	73.45	1.56	114.31	26	61927	0.08	0.001	0.00	3.58	0.00	0.000
0.26	2.20	68.91	1.61	110.62	25	59668	0.08	0.001	0.00	3.58	0.00	0.000
0.28	2.40	56.49	2.35	132.87	33	62969	0.08	0.001	0.00	3.58	0.00	0.000
0.30	2.33	60.67	2.03	122.97	29	61893	0.08	0.001	0.00	3.58	0.00	0.000
0.32	2.28	63.33	1.83	116.20	27	60577	0.08	0.001	0.00	3.58	0.00	0.000
0.34	2.28	63.99	1.86	119.30	28	61869	0.08	0.001	0.00	3.58	0.00	0.000
0.36	2.34	58.29	2.10	122.32	29	60749	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.34	57.95	2.08	120.82	29	60157	0.08	0.001	0.00	3.58	0.00	0.000
0.40	2.30	60.12	1.93	115.87	27	59410	0.08	0.001	0.00	3.58	0.00	0.000
0.42	2.32	57.60	1.99	114.43	27	58028	0.08	0.001	0.00	3.58	0.00	0.000
0.44	2.28	59.27	1.85	109.93	26	57109	0.08	0.001	0.00	3.58	0.00	0.000
0.46	2.27	58.59	1.82	106.45	25	55667	0.08	0.001	0.00	3.58	0.00	0.000
0.48	2.26	56.57	1.78	100.71	23	52996	0.08	0.001	0.00	3.58	0.00	0.000
0.50	2.23	58.26	1.68	98.04	22	52375	0.08	0.002	0.00	3.58	0.00	0.000
0.52	2.22	57.25	1.68	96.09	22	51364	0.09	0.002	0.00	3.58	0.00	0.000
0.54	2.20	58.59	1.62	94.98	21	51145	0.08	0.002	0.00	3.58	0.00	0.000
0.56	2.19	58.41	1.59	93.09	21	50274	0.09	0.002	0.00	3.58	0.00	0.000
0.58	2.18	58.41	1.56	91.34	20	49457	0.09	0.002	0.00	3.58	0.00	0.000
0.60	2.18	58.25	1.56	90.73	20	49148	0.09	0.002	0.00	3.58	0.00	0.000
0.62	2.15	61.27	1.50	92.09	20	49997	0.08	0.002	0.00	3.58	0.00	0.000
0.64	2.14	63.78	1.48	94.54	21	51324	0.08	0.002	0.00	3.58	0.00	0.000
0.66	2.14	64.96	1.49	96.78	21	52545	0.08	0.002	0.00	3.58	0.00	0.000
0.68	2.16	65.11	1.52	99.10	22	53781	0.08	0.002	0.00	3.58	0.00	0.000
0.70	2.21	63.10	1.63	102.65	23	55241	0.08	0.002	0.00	3.58	0.00	0.000
0.72	2.24	62.42	1.71	107.00	25	56903	0.08	0.002	0.00	3.58	0.00	0.000
0.74	2.24	64.10	1.72	110.00	25	58480	0.08	0.002	0.00	3.58	0.00	0.000
0.76	2.25	64.92	1.76	113.96	26	60211	0.08	0.002	0.00	3.58	0.00	0.000
0.78	2.26	65.43	1.79	117.19	27	61555	0.08	0.002	0.00	3.58	0.00	0.000
0.80	2.30	62.39	1.94	120.86	28	61856	0.08	0.002	0.00	3.58	0.00	0.000
0.82	2.31	62.39	1.96	122.16	29	62279	0.08	0.002	0.00	3.58	0.00	0.000
0.84	2.34	60.85	2.07	126.03	30	62912	0.08	0.002	0.00	3.58	0.00	0.000
0.86	2.37	58.84	2.20	129.45	31	63082	0.08	0.002	0.00	3.58	0.00	0.000
0.88	2.37	60.35	2.22	134.03	33	65062	0.08	0.002	0.00	3.58	0.00	0.000
0.90	2.40	59.33	2.40	142.38	35	66898	0.08	0.002	0.00	3.58	0.00	0.000
0.92	2.51	54.27	3.02	163.89	42	69544	0.08	0.002	0.00	3.58	0.00	0.000
0.94	2.52	54.60	3.09	168.81	44	70876	0.08	0.002	0.00	3.58	0.00	0.000
0.96	2.51	56.45	3.04	171.69	44	72623	0.08	0.002	0.00	3.58	0.00	0.000
0.98	2.49	57.46	2.90	166.38	43	71951	0.08	0.002	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.49	58.96	2.92	171.92	44	74113	0.08	0.002	0.00	3.58	0.00	0.000
1.02	2.51	58.26	3.02	175.98	45	74667	0.08	0.002	0.00	3.58	0.00	0.000
1.04	2.51	58.25	3.04	177.38	46	74989	0.08	0.002	0.00	3.58	0.00	0.000
1.06	2.46	59.93	2.74	164.23	42	72799	0.08	0.002	0.00	3.58	0.00	0.000
1.08	2.44	61.25	2.61	159.76	40	72390	0.08	0.002	0.00	3.58	0.00	0.000
1.10	2.43	61.74	2.54	156.54	39	71819	0.08	0.002	0.00	3.58	0.00	0.000
1.12	2.44	60.92	2.57	156.76	39	71453	0.08	0.003	0.00	3.58	0.00	0.000
1.14	2.43	61.91	2.53	156.57	39	71912	0.08	0.003	0.00	3.58	0.00	0.000
1.16	2.46	59.75	2.75	164.13	42	72675	0.08	0.003	0.00	3.58	0.00	0.000
1.18	2.52	56.22	3.10	174.44	45	73123	0.08	0.003	0.00	3.58	0.00	0.000
1.20	2.56	53.38	3.42	182.77	48	73270	0.08	0.003	0.00	3.58	0.00	0.000
1.22	2.65	48.50	4.20	203.82	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.24	2.69	46.98	4.58	215.27	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.26	2.74	44.30	5.12	226.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.78	42.44	5.60	237.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.81	41.27	5.95	245.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	2.85	36.48	6.45	235.29	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	2.83	37.12	6.24	231.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.85	35.63	6.54	232.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.86	35.12	6.62	232.43	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.87	34.27	6.82	233.72	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.42	2.88	33.75	6.93	234.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.44	2.96	29.32	8.17	239.54	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.46	2.90	32.41	7.15	231.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.48	2.88	33.07	6.97	230.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.50	2.90	32.04	7.17	229.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.52	2.84	35.49	6.32	224.46	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	2.92	30.56	7.46	228.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.89	31.70	7.10	225.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.90	31.20	7.23	225.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.89	31.69	7.07	224.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.89	31.19	7.11	221.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.89	31.19	7.04	219.69	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.87	31.68	6.81	215.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.86	32.17	6.61	212.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.85	32.33	6.49	209.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	2.85	34.15	6.45	220.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.84	33.43	6.32	211.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.84	32.35	6.35	205.51	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.86	30.51	6.61	201.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.81	31.85	6.01	191.48	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.71	36.86	4.84	178.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.84	2.59	44.77	3.71	166.03	45	64210	0.08	0.005	0.00	3.58	0.00	0.000
1.86	2.55	46.57	3.36	156.58	41	63290	0.08	0.005	0.00	3.58	0.00	0.000
1.88	2.63	39.05	4.01	156.58	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.67	35.84	4.45	159.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.74	32.32	5.16	166.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.67	36.27	4.44	161.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.53	44.23	3.17	140.03	37	58165	0.09	0.006	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.48	46.28	2.82	130.58	33	57131	0.09	0.006	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	103.73	2.00	0.00	1.00	0.00	2.02	102.45	1.62	0.14	1.00	0.00
2.04	99.89	1.56	0.17	1.00	0.00	2.06	34.71	2.00	0.00	1.00	0.00
2.08	30.66	2.00	0.00	1.00	0.00	2.10	29.22	2.00	0.00	1.00	0.00
2.12	28.39	2.00	0.00	1.00	0.00	2.14	30.16	2.00	0.00	1.00	0.00
2.16	35.66	2.00	0.00	1.00	0.00	2.18	100.85	1.53	0.19	1.00	0.00
2.20	100.62	1.52	0.19	1.00	0.00	2.22	97.61	1.46	0.23	1.00	0.00
2.24	104.02	1.58	0.17	1.00	0.00	2.26	106.39	1.62	0.15	1.00	0.00
2.28	107.87	1.65	0.14	1.00	0.00	2.30	109.18	1.67	0.13	1.00	0.00
2.32	109.21	1.67	0.13	1.00	0.00	2.34	109.38	1.66	0.13	1.00	0.00
2.36	109.35	1.66	0.13	1.00	0.00	2.38	109.47	1.65	0.14	1.00	0.00
2.40	109.58	1.65	0.14	1.00	0.00	2.42	109.63	1.64	0.14	1.00	0.00
2.44	109.81	1.64	0.14	1.00	0.00	2.46	109.33	1.63	0.15	1.00	0.00
2.48	109.31	1.62	0.15	1.00	0.00	2.50	108.68	1.60	0.17	1.00	0.00
2.52	108.85	1.60	0.17	1.00	0.00	2.54	108.51	1.59	0.17	1.00	0.00
2.56	108.63	1.58	0.18	1.00	0.00	2.58	108.71	1.58	0.18	1.00	0.00
2.60	108.34	1.57	0.19	1.00	0.00	2.62	107.21	1.54	0.20	1.00	0.00
2.64	106.32	1.51	0.22	1.00	0.00	2.66	106.11	1.50	0.22	1.00	0.00
2.68	106.46	1.51	0.22	1.00	0.00	2.70	107.14	1.52	0.22	1.00	0.00
2.72	107.75	1.52	0.21	1.00	0.00	2.74	108.06	1.53	0.21	1.00	0.00
2.76	108.29	1.53	0.21	1.00	0.00	2.78	107.60	1.51	0.22	1.00	0.00
2.80	107.25	1.50	0.23	1.00	0.00	2.82	105.96	1.47	0.25	1.00	0.01
2.84	104.09	1.43	0.28	1.00	0.01	2.86	102.04	1.38	0.31	1.00	0.01
2.88	100.10	1.35	0.34	1.00	0.01	2.90	96.35	1.28	0.40	1.00	0.01
2.92	90.69	1.20	0.51	1.00	0.01	2.94	27.02	2.00	0.00	1.00	0.00
2.96	23.34	2.00	0.00	1.00	0.00	2.98	20.67	2.00	0.00	1.00	0.00
3.00	18.28	2.00	0.00	1.00	0.00	3.02	20.45	2.00	0.00	1.00	0.00
3.04	26.07	2.00	0.00	1.00	0.00	3.06	24.90	2.00	0.00	1.00	0.00
3.08	20.38	2.00	0.00	1.00	0.00	3.10	16.67	2.00	0.00	1.00	0.00
3.12	17.22	2.00	0.00	1.00	0.00	3.14	85.79	1.11	0.74	1.00	0.01
3.16	93.31	1.20	0.53	1.00	0.01	3.18	92.66	1.19	0.55	1.00	0.01
3.20	90.14	1.15	0.62	1.00	0.01	3.22	87.54	1.12	0.72	1.00	0.01
3.24	85.92	1.10	0.79	1.00	0.02	3.26	85.40	1.09	0.83	1.00	0.02
3.28	85.15	1.08	0.85	1.00	0.02	3.30	86.29	1.09	0.81	1.00	0.02
3.32	89.87	1.13	0.68	1.00	0.01	3.34	104.69	1.35	0.36	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	113.21	1.53	0.22	1.00	0.00	3.38	108.62	1.42	0.30	1.00	0.01
3.40	105.24	1.36	0.36	1.00	0.01	3.42	92.72	1.16	0.63	1.00	0.01
3.44	91.30	1.14	0.68	1.00	0.01	3.46	89.36	1.11	0.75	1.00	0.02
3.48	86.40	1.08	0.91	1.00	0.02	3.50	85.87	1.07	0.95	1.00	0.02
3.52	85.33	1.06	1.00	1.00	0.02	3.54	84.08	1.04	1.12	1.00	0.02
3.56	83.35	1.03	1.21	1.00	0.02	3.58	85.15	1.05	1.06	1.00	0.02
3.60	85.95	1.06	1.01	1.00	0.02	3.62	89.61	1.10	0.81	1.00	0.02
3.64	91.42	1.12	0.74	1.00	0.01	3.66	92.51	1.13	0.71	1.00	0.01
3.68	94.31	1.15	0.66	1.00	0.01	3.70	95.74	1.17	0.62	1.00	0.01
3.72	96.87	1.18	0.59	1.00	0.01	3.74	97.34	1.19	0.58	1.00	0.01
3.76	96.02	1.17	0.62	1.00	0.01	3.78	95.56	1.16	0.64	1.00	0.01
3.80	94.51	1.14	0.68	1.00	0.01	3.82	93.61	1.13	0.72	1.00	0.01
3.84	92.63	1.12	0.76	1.00	0.02	3.86	92.67	1.11	0.77	1.00	0.02
3.88	92.70	1.11	0.77	1.00	0.02	3.90	93.31	1.12	0.76	1.00	0.02
3.92	93.55	1.12	0.75	1.00	0.02	3.94	93.76	1.12	0.75	1.00	0.01
3.96	93.63	1.12	0.76	1.00	0.02	3.98	93.08	1.11	0.79	1.00	0.02
4.00	92.70	1.10	0.81	1.00	0.02	4.02	93.12	1.11	0.80	1.00	0.02
4.04	93.28	1.11	0.80	1.00	0.02	4.06	93.79	1.11	0.78	1.00	0.02
4.08	94.14	1.11	0.78	1.00	0.02	4.10	93.07	1.10	0.83	1.00	0.02
4.12	90.31	1.06	0.99	1.00	0.02	4.14	87.18	1.03	1.27	1.00	0.03
4.16	86.64	1.02	1.35	1.00	0.03	4.18	87.61	1.03	1.25	1.00	0.02
4.20	89.51	1.05	1.08	1.00	0.02	4.22	92.20	1.08	0.91	1.00	0.02
4.24	92.02	1.08	0.93	1.00	0.02	4.26	92.29	1.08	0.92	1.00	0.02
4.28	95.92	1.12	0.75	1.00	0.02	4.30	97.33	1.14	0.71	1.00	0.01
4.32	96.58	1.13	0.74	1.00	0.01	4.34	97.05	1.13	0.72	1.00	0.01
4.36	93.63	1.09	0.88	1.00	0.02	4.38	94.16	1.09	0.86	1.00	0.02
4.40	96.71	1.13	0.75	1.00	0.01	4.42	97.59	1.14	0.72	1.00	0.01
4.44	96.60	1.12	0.76	1.00	0.02	4.46	95.29	1.10	0.82	1.00	0.02
4.48	95.24	1.10	0.83	1.00	0.02	4.50	92.81	1.07	0.97	1.00	0.02
4.52	86.93	1.00	1.58	1.00	0.03	4.54	90.69	1.04	1.14	1.00	0.02
4.56	94.06	1.08	0.91	1.00	0.02	4.58	95.64	1.10	0.83	1.00	0.02
4.60	95.46	1.10	0.85	1.00	0.02	4.62	95.00	1.09	0.88	1.00	0.02
4.64	94.99	1.09	0.88	1.00	0.02	4.66	93.76	1.07	0.95	1.00	0.02
4.68	96.31	1.10	0.82	1.00	0.02	4.70	98.35	1.13	0.74	1.00	0.01
4.72	99.79	1.15	0.69	1.00	0.01	4.74	101.83	1.18	0.63	1.00	0.01
4.76	104.27	1.22	0.56	1.00	0.01	4.78	105.98	1.24	0.52	1.00	0.01
4.80	107.90	1.28	0.47	1.00	0.01	4.82	109.59	1.31	0.43	1.00	0.01
4.84	110.25	1.32	0.42	1.00	0.01	4.86	109.10	1.29	0.45	1.00	0.01
4.88	109.54	1.30	0.44	1.00	0.01	4.90	109.52	1.30	0.44	1.00	0.01
4.92	107.91	1.27	0.48	1.00	0.01	4.94	106.99	1.25	0.50	1.00	0.01
4.96	106.41	1.24	0.52	1.00	0.01	4.98	106.05	1.23	0.53	1.00	0.01
5.00	104.45	1.21	0.58	1.00	0.01	5.02	103.30	1.19	0.61	1.00	0.01
5.04	100.94	1.15	0.69	1.00	0.01	5.06	102.12	1.17	0.65	1.00	0.01
5.08	102.68	1.18	0.64	1.00	0.01	5.10	102.66	1.17	0.64	1.00	0.01
5.12	104.38	1.20	0.59	1.00	0.01	5.14	104.25	1.20	0.59	1.00	0.01
5.16	105.14	1.21	0.57	1.00	0.01	5.18	105.47	1.22	0.56	1.00	0.01
5.20	107.81	1.26	0.50	1.00	0.01	5.22	112.04	1.33	0.40	1.00	0.01
5.24	114.14	1.38	0.36	1.00	0.01	5.26	113.00	1.35	0.38	1.00	0.01
5.28	112.65	1.34	0.39	1.00	0.01	5.30	111.63	1.32	0.42	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	109.28	1.28	0.47	1.00	0.01	5.34	108.93	1.27	0.48	1.00	0.01
5.36	106.91	1.23	0.54	1.00	0.01	5.38	104.34	1.19	0.61	1.00	0.01
5.40	101.45	1.15	0.71	1.00	0.01	5.42	100.11	1.13	0.76	1.00	0.02
5.44	101.16	1.14	0.73	1.00	0.01	5.46	102.08	1.15	0.69	1.00	0.01
5.48	99.41	1.11	0.80	1.00	0.02	5.50	96.87	1.08	0.93	1.00	0.02
5.52	96.39	1.07	0.96	1.00	0.02	5.54	96.81	1.08	0.94	1.00	0.02
5.56	100.36	1.12	0.77	1.00	0.02	5.58	103.09	1.16	0.67	1.00	0.01
5.60	106.45	1.22	0.56	1.00	0.01	5.62	111.73	1.31	0.43	1.00	0.01
5.64	115.23	1.38	0.35	1.00	0.01	5.66	119.26	1.48	0.27	1.00	0.01
5.68	119.24	1.48	0.27	1.00	0.01	5.70	117.91	1.44	0.30	1.00	0.01
5.72	116.91	1.42	0.32	1.00	0.01	5.74	113.73	1.35	0.39	1.00	0.01
5.76	111.53	1.30	0.44	1.00	0.01	5.78	110.86	1.29	0.46	1.00	0.01
5.80	111.06	1.29	0.45	1.00	0.01	5.82	108.86	1.25	0.51	1.00	0.01
5.84	107.10	1.22	0.56	1.00	0.01	5.86	103.30	1.16	0.68	1.00	0.01
5.88	101.36	1.13	0.75	1.00	0.02	5.90	100.99	1.13	0.77	1.00	0.02
5.92	106.62	1.21	0.58	1.00	0.01	5.94	115.00	1.37	0.37	1.00	0.01
5.96	122.54	1.55	0.22	1.00	0.00	5.98	126.17	1.66	0.15	1.00	0.00
6.00	123.15	1.57	0.21	1.00	0.00	6.02	120.12	1.49	0.27	1.00	0.01
6.04	119.35	1.47	0.28	1.00	0.01	6.06	120.19	1.49	0.27	1.00	0.01
6.08	120.71	1.50	0.26	1.00	0.01	6.10	121.12	1.51	0.25	1.00	0.00
6.12	123.03	1.56	0.21	1.00	0.00	6.14	125.68	1.64	0.17	1.00	0.00
6.16	126.51	1.67	0.15	1.00	0.00	6.18	124.89	1.62	0.18	1.00	0.00
6.20	121.45	1.52	0.24	1.00	0.00	6.22	117.58	1.42	0.32	1.00	0.01
6.24	116.60	1.40	0.34	1.00	0.01	6.26	119.26	1.46	0.29	1.00	0.01
6.28	117.54	1.42	0.32	1.00	0.01	6.30	120.09	1.48	0.27	1.00	0.01
6.32	119.76	1.47	0.28	1.00	0.01	6.34	115.37	1.37	0.37	1.00	0.01
6.36	107.74	1.22	0.56	1.00	0.01	6.38	98.87	1.09	0.90	1.00	0.02
6.40	96.73	1.06	1.03	1.00	0.02	6.42	95.77	1.05	1.10	1.00	0.02
6.44	94.46	1.03	1.22	1.00	0.02	6.46	93.55	1.02	1.31	1.00	0.03
6.48	94.73	1.03	1.20	1.00	0.02	6.50	95.13	1.04	1.16	1.00	0.02
6.52	94.69	1.03	1.20	1.00	0.02	6.54	93.40	1.02	1.34	1.00	0.03
6.56	86.07	0.94	3.73	1.00	0.07	6.58	85.90	0.94	3.74	1.00	0.07
6.60	87.33	0.95	2.92	1.00	0.06	6.62	88.59	0.96	2.34	1.00	0.05
6.64	90.00	0.98	1.92	1.00	0.04	6.66	89.85	0.98	1.96	1.00	0.04
6.68	91.61	0.99	1.60	1.00	0.03	6.70	89.27	0.97	2.13	1.00	0.04
6.72	85.93	0.93	3.74	1.00	0.07	6.74	85.55	0.93	3.76	1.00	0.08
6.76	86.50	0.94	3.64	1.00	0.07	6.78	88.71	0.96	2.35	1.00	0.05
6.80	88.13	0.96	2.59	1.00	0.05	6.82	86.14	0.94	3.73	1.00	0.07
6.84	83.87	0.91	3.83	1.00	0.08	6.86	83.56	0.91	3.84	1.00	0.08
6.88	86.93	0.94	3.35	1.00	0.07	6.90	90.18	0.98	1.93	1.00	0.04
6.92	89.86	0.97	2.02	1.00	0.04	6.94	89.69	0.97	2.06	1.00	0.04
6.96	87.58	0.95	2.94	1.00	0.06	6.98	85.83	0.93	3.74	1.00	0.07
7.00	84.84	0.92	3.79	1.00	0.08	7.02	84.87	0.92	3.79	1.00	0.08
7.04	87.83	0.95	2.83	1.00	0.06	7.06	90.44	0.98	1.89	1.00	0.04
7.08	90.79	0.98	1.82	1.00	0.04	7.10	89.65	0.97	2.11	1.00	0.04
7.12	84.98	0.92	3.78	1.00	0.08	7.14	80.25	0.88	4.00	1.00	0.08
7.16	78.52	0.86	4.08	1.00	0.08	7.18	79.14	0.87	4.05	1.00	0.08
7.20	81.31	0.89	3.95	1.00	0.08	7.22	82.69	0.90	3.88	1.00	0.08
7.24	77.89	0.86	4.11	1.00	0.08	7.26	78.83	0.87	4.07	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	79.83	0.87	4.02	1.00	0.08	7.30	82.50	0.90	3.89	1.00	0.08
7.32	84.86	0.92	3.79	1.00	0.08	7.34	86.19	0.93	3.73	1.00	0.07
7.36	84.78	0.92	3.79	1.00	0.08	7.38	84.59	0.92	3.80	1.00	0.08
7.40	86.30	0.93	3.72	1.00	0.07	7.42	93.37	1.01	1.42	1.00	0.03
7.44	99.59	1.09	0.91	1.00	0.02	7.46	101.58	1.11	0.81	1.00	0.02
7.48	100.13	1.09	0.88	1.00	0.02	7.50	99.83	1.09	0.90	1.00	0.02
7.52	99.21	1.08	0.93	1.00	0.02	7.54	99.95	1.09	0.89	1.00	0.02
7.56	100.27	1.09	0.87	1.00	0.02	7.58	98.30	1.07	0.98	1.00	0.02
7.60	92.80	1.00	1.50	1.00	0.03	7.62	89.90	0.97	2.09	1.00	0.04
7.64	88.62	0.96	2.55	1.00	0.05	7.66	86.89	0.94	3.66	1.00	0.07
7.68	87.22	0.94	3.38	1.00	0.07	7.70	86.51	0.93	3.72	1.00	0.07
7.72	84.17	0.91	3.82	1.00	0.08	7.74	83.94	0.91	3.83	1.00	0.08
7.76	85.16	0.92	3.77	1.00	0.08	7.78	83.58	0.91	3.84	1.00	0.08
7.80	84.87	0.92	3.79	1.00	0.08	7.82	87.30	0.94	3.32	1.00	0.07
7.84	87.55	0.94	3.14	1.00	0.06	7.86	88.65	0.96	2.54	1.00	0.05
7.88	92.57	1.00	1.54	1.00	0.03	7.90	94.34	1.02	1.31	1.00	0.03
7.92	92.59	1.00	1.53	1.00	0.03	7.94	91.67	0.99	1.69	1.00	0.03
7.96	90.24	0.97	2.00	1.00	0.04	7.98	90.98	0.98	1.82	1.00	0.04
8.00	91.41	0.99	1.73	1.00	0.03	8.02	90.29	0.97	1.99	1.00	0.04
8.04	85.99	0.93	3.74	1.00	0.07	8.06	82.15	0.89	3.91	1.00	0.08
8.08	81.39	0.89	3.94	1.00	0.08	8.10	81.76	0.89	3.93	1.00	0.08
8.12	85.42	0.92	3.76	1.00	0.08	8.14	91.44	0.99	1.73	1.00	0.03
8.16	98.98	1.08	0.94	1.00	0.02	8.18	110.39	1.26	0.51	1.00	0.01
8.20	113.57	1.32	0.43	1.00	0.01	8.22	115.21	1.35	0.39	1.00	0.01
8.24	116.34	1.38	0.37	1.00	0.01	8.26	117.37	1.40	0.34	1.00	0.01
8.28	118.29	1.42	0.32	1.00	0.01	8.30	118.70	1.43	0.31	1.00	0.01
8.32	117.99	1.41	0.33	1.00	0.01	8.34	115.46	1.36	0.38	1.00	0.01
8.36	112.82	1.30	0.45	1.00	0.01	8.38	109.67	1.24	0.53	1.00	0.01
8.40	106.82	1.19	0.61	1.00	0.01	8.42	104.69	1.16	0.68	1.00	0.01
8.44	102.46	1.13	0.77	1.00	0.02	8.46	98.80	1.08	0.95	1.00	0.02
8.48	96.67	1.05	1.09	1.00	0.02	8.50	95.06	1.03	1.23	1.00	0.02
8.52	94.56	1.02	1.28	1.00	0.03	8.54	92.64	1.00	1.51	1.00	0.03
8.56	91.84	0.99	1.63	1.00	0.03	8.58	91.35	0.99	1.72	1.00	0.03
8.60	90.86	0.98	1.82	1.00	0.04	8.62	90.88	0.98	1.81	1.00	0.04
8.64	90.70	0.98	1.85	1.00	0.04	8.66	91.02	0.98	1.78	1.00	0.04
8.68	90.33	0.98	1.93	1.00	0.04	8.70	89.44	0.97	2.17	1.00	0.04
8.72	83.55	0.91	3.84	1.00	0.08	8.74	80.50	0.88	3.99	1.00	0.08
8.76	81.87	0.89	3.92	1.00	0.08	8.78	83.48	0.91	3.85	1.00	0.08
8.80	85.47	0.93	3.76	1.00	0.08	8.82	85.15	0.92	3.77	1.00	0.08
8.84	85.27	0.93	3.77	1.00	0.08	8.86	86.13	0.93	3.73	1.00	0.07
8.88	88.82	0.96	2.36	1.00	0.05	8.90	90.26	0.98	1.92	1.00	0.04
8.92	90.95	0.98	1.77	1.00	0.04	8.94	90.79	0.98	1.80	1.00	0.04
8.96	90.31	0.98	1.90	1.00	0.04	8.98	90.18	0.98	1.93	1.00	0.04
9.00	91.13	0.99	1.73	1.00	0.03	9.02	90.77	0.98	1.80	1.00	0.04
9.04	89.36	0.97	2.15	1.00	0.04	9.06	84.37	0.92	3.81	1.00	0.08
9.08	83.69	0.91	3.84	1.00	0.08	9.10	85.43	0.93	3.76	1.00	0.08
9.12	83.81	0.91	3.83	1.00	0.08	9.14	81.60	0.89	3.93	1.00	0.08
9.16	85.49	0.93	3.76	1.00	0.08	9.18	90.30	0.98	1.88	1.00	0.04
9.20	95.84	1.04	1.13	1.00	0.02	9.22	100.97	1.11	0.82	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	102.39	1.13	0.75	1.00	0.02	9.26	99.30	1.09	0.90	1.00	0.02
9.28	92.81	1.01	1.43	1.00	0.03	9.30	89.63	0.97	2.03	1.00	0.04
9.32	88.45	0.96	2.40	1.00	0.05	9.34	88.57	0.96	2.35	1.00	0.05
9.36	87.99	0.96	2.59	1.00	0.05	9.38	86.04	0.94	3.74	1.00	0.07
9.40	79.85	0.88	4.02	1.00	0.08	9.42	78.47	0.87	4.08	1.00	0.08
9.44	81.24	0.89	3.95	1.00	0.08	9.46	83.10	0.91	3.86	1.00	0.08
9.48	82.44	0.90	3.89	1.00	0.08	9.50	81.80	0.90	3.92	1.00	0.08
9.52	80.18	0.88	4.00	1.00	0.08	9.54	77.11	0.86	4.15	1.00	0.08
9.56	77.15	0.86	4.15	1.00	0.08	9.58	82.53	0.91	3.89	1.00	0.08
9.60	90.69	0.99	1.73	1.00	0.03	9.62	99.15	1.09	0.89	1.00	0.02
9.64	108.70	1.24	0.53	1.00	0.01	9.66	117.04	1.41	0.34	1.00	0.01
9.68	121.41	1.51	0.25	1.00	0.00	9.70	120.53	1.49	0.27	1.00	0.01
9.72	117.76	1.42	0.32	1.00	0.01	9.74	118.47	1.44	0.31	1.00	0.01
9.76	118.97	1.45	0.29	1.00	0.01	9.78	116.81	1.40	0.34	1.00	0.01
9.80	111.88	1.30	0.45	1.00	0.01	9.82	101.91	1.13	0.75	1.00	0.02
9.84	91.26	1.00	1.59	1.00	0.03	9.86	85.36	0.94	3.76	1.00	0.08
9.88	83.70	0.92	3.84	1.00	0.08	9.90	83.37	0.92	3.85	1.00	0.08
9.92	83.81	0.92	3.83	1.00	0.08	9.94	85.04	0.93	3.78	1.00	0.08
9.96	89.13	0.97	2.01	1.00	0.04	9.98	95.35	1.05	1.11	1.00	0.02
10.00	100.98	1.12	0.78	1.00	0.02	10.02	103.95	1.17	0.67	1.00	0.01
10.04	103.97	1.17	0.67	1.00	0.01	10.06	105.36	1.19	0.62	1.00	0.01
10.08	108.52	1.24	0.53	1.00	0.01	10.10	109.52	1.26	0.50	1.00	0.01
10.12	94.12	1.03	1.20	1.00	0.02	10.14	95.72	1.05	1.07	1.00	0.02
10.16	112.75	1.32	0.42	1.00	0.01	10.18	125.68	1.65	0.16	1.00	0.00
10.20	131.99	1.87	0.05	1.00	0.00	10.22	125.88	1.65	0.16	1.00	0.00
10.24	112.24	1.31	0.43	1.00	0.01	10.26	108.40	1.24	0.52	1.00	0.01
10.28	111.50	1.30	0.45	1.00	0.01	10.30	113.66	1.34	0.39	1.00	0.01
10.32	99.26	1.10	0.84	1.00	0.02	10.34	92.51	1.02	1.33	1.00	0.03
10.36	89.32	0.98	1.84	1.00	0.04	10.38	82.97	0.92	3.87	1.00	0.08
10.40	85.09	0.94	3.78	1.00	0.08	10.42	88.13	0.97	2.13	1.00	0.04
10.44	88.70	0.98	1.97	1.00	0.04	10.46	89.70	0.99	1.73	1.00	0.03
10.48	88.17	0.97	2.10	1.00	0.04	10.50	85.13	0.94	3.77	1.00	0.08
10.52	83.42	0.93	3.85	1.00	0.08	10.54	83.13	0.92	3.86	1.00	0.08
10.56	84.26	0.93	3.81	1.00	0.08	10.58	87.27	0.96	2.37	1.00	0.05
10.60	91.07	1.01	1.47	1.00	0.03	10.62	91.68	1.01	1.39	1.00	0.03
10.64	92.67	1.02	1.27	1.00	0.03	10.66	92.21	1.02	1.32	1.00	0.03
10.68	91.56	1.01	1.39	1.00	0.03	10.70	92.45	1.02	1.29	1.00	0.03
10.72	93.25	1.03	1.20	1.00	0.02	10.74	94.24	1.05	1.12	1.00	0.02
10.76	96.49	1.07	0.96	1.00	0.02	10.78	96.71	1.08	0.94	1.00	0.02
10.80	100.40	1.13	0.76	1.00	0.02	10.82	104.58	1.19	0.61	1.00	0.01
10.84	108.76	1.26	0.50	1.00	0.01	10.86	112.07	1.32	0.42	1.00	0.01
10.88	114.31	1.37	0.37	1.00	0.01	10.90	114.42	1.37	0.36	1.00	0.01
10.92	113.85	1.36	0.37	1.00	0.01	10.94	112.03	1.33	0.41	1.00	0.01
10.96	108.86	1.27	0.49	1.00	0.01	10.98	104.53	1.19	0.61	1.00	0.01
11.00	99.92	1.12	0.77	1.00	0.02	11.02	95.41	1.06	1.00	1.00	0.02
11.04	92.55	1.03	1.22	1.00	0.02	11.06	90.87	1.01	1.41	1.00	0.03
11.08	90.21	1.00	1.50	1.00	0.03	11.10	89.56	1.00	1.60	1.00	0.03
11.12	89.39	1.00	1.62	1.00	0.03	11.14	89.79	1.00	1.55	1.00	0.03
11.16	90.58	1.01	1.43	1.00	0.03	11.18	93.00	1.04	1.16	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	95.23	1.07	0.99	1.00	0.02	11.22	99.08	1.12	0.79	1.00	0.02
11.24	102.36	1.17	0.66	1.00	0.01	11.26	106.70	1.24	0.53	1.00	0.01
11.28	111.32	1.32	0.42	1.00	0.01	11.30	115.18	1.40	0.34	1.00	0.01
11.32	119.53	1.50	0.25	1.00	0.01	11.34	121.17	1.55	0.22	1.00	0.00
11.36	125.81	1.68	0.14	1.00	0.00	11.38	127.93	1.75	0.10	1.00	0.00
11.40	127.17	1.73	0.12	1.00	0.00	11.42	124.87	1.66	0.15	1.00	0.00
11.44	123.53	1.62	0.18	1.00	0.00	11.46	122.96	1.60	0.19	1.00	0.00
11.48	121.14	1.55	0.22	1.00	0.00	11.50	117.41	1.46	0.29	1.00	0.01
11.52	115.98	1.43	0.31	1.00	0.01	11.54	115.52	1.42	0.32	1.00	0.01
11.56	114.86	1.40	0.34	1.00	0.01	11.58	113.05	1.36	0.37	1.00	0.01
11.60	111.25	1.33	0.41	1.00	0.01	11.62	110.02	1.30	0.44	1.00	0.01
11.64	108.32	1.27	0.48	1.00	0.01	11.66	105.48	1.22	0.55	1.00	0.01
11.68	100.93	1.15	0.68	1.00	0.01	11.70	97.34	1.10	0.83	1.00	0.02
11.72	96.14	1.09	0.89	1.00	0.02	11.74	95.79	1.09	0.90	1.00	0.02
11.76	95.24	1.08	0.93	1.00	0.02	11.78	97.05	1.10	0.83	1.00	0.02
11.80	100.95	1.16	0.68	1.00	0.01	11.82	105.33	1.23	0.54	1.00	0.01
11.84	108.10	1.28	0.47	1.00	0.01	11.86	111.73	1.34	0.39	1.00	0.01
11.88	115.36	1.42	0.32	1.00	0.01	11.90	117.09	1.46	0.28	1.00	0.01
11.92	115.39	1.42	0.31	1.00	0.01	11.94	110.55	1.32	0.41	1.00	0.01
11.96	101.75	1.17	0.64	1.00	0.01	11.98	95.90	1.09	0.87	1.00	0.02
12.00	95.13	1.08	0.91	1.00	0.02	12.02	96.53	1.10	0.84	1.00	0.02
12.04	96.15	1.10	0.85	1.00	0.02	12.06	94.78	1.08	0.92	1.00	0.02
12.08	96.66	1.11	0.82	1.00	0.02	12.10	100.84	1.16	0.66	1.00	0.01
12.12	101.43	1.17	0.64	1.00	0.01	12.14	100.32	1.16	0.67	1.00	0.01
12.16	100.71	1.16	0.66	1.00	0.01	12.18	103.37	1.20	0.58	1.00	0.01
12.20	106.97	1.27	0.48	1.00	0.01	12.22	108.88	1.30	0.44	1.00	0.01
12.24	106.25	1.25	0.50	1.00	0.01	12.26	99.03	1.14	0.71	1.00	0.01
12.28	89.29	1.02	1.33	1.00	0.03	12.30	83.61	0.96	2.86	1.00	0.06
12.32	84.11	0.97	2.56	1.00	0.05	12.34	86.68	0.99	1.73	1.00	0.03
12.36	86.09	0.99	1.85	1.00	0.04	12.38	82.21	0.95	3.90	1.00	0.08
12.40	82.13	0.95	3.91	1.00	0.08	12.42	81.83	0.95	3.92	1.00	0.08
12.44	80.53	0.93	3.98	1.00	0.08	12.46	82.24	0.95	3.77	1.00	0.08
12.48	86.28	0.99	1.76	1.00	0.04	12.50	89.09	1.02	1.31	1.00	0.03
12.52	91.70	1.05	1.06	1.00	0.02	12.54	92.15	1.06	1.03	1.00	0.02
12.56	91.38	1.05	1.08	1.00	0.02	12.58	91.18	1.05	1.09	1.00	0.02
12.60	87.97	1.01	1.43	1.00	0.03	12.62	85.77	0.99	1.82	1.00	0.04
12.64	81.89	0.95	3.81	1.00	0.08	12.66	80.08	0.94	4.01	1.00	0.08
12.68	81.57	0.95	3.93	1.00	0.08	12.70	81.93	0.95	3.66	1.00	0.07
12.72	81.55	0.95	3.94	1.00	0.08	12.74	87.29	1.01	1.49	1.00	0.03
12.76	91.10	1.05	1.07	1.00	0.02	12.78	91.61	1.06	1.03	1.00	0.02
12.80	92.25	1.07	0.98	1.00	0.02	12.82	92.05	1.06	1.00	1.00	0.02
12.84	91.41	1.06	1.04	1.00	0.02	12.86	91.01	1.05	1.06	1.00	0.02
12.88	90.89	1.05	1.07	1.00	0.02	12.90	90.29	1.05	1.11	1.00	0.02
12.92	90.45	1.05	1.10	1.00	0.02	12.94	89.97	1.04	1.13	1.00	0.02
12.96	89.86	1.04	1.14	1.00	0.02	12.98	89.25	1.04	1.19	1.00	0.02
13.00	84.93	0.99	1.85	1.00	0.04	13.02	81.44	0.96	3.60	1.00	0.07
13.04	80.16	0.94	4.00	1.00	0.08	13.06	84.03	0.98	2.08	1.00	0.04
13.08	88.09	1.03	1.29	1.00	0.03	13.10	91.98	1.07	0.96	1.00	0.02
13.12	96.35	1.13	0.75	1.00	0.01	13.14	97.11	1.14	0.72	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	93.35	1.09	0.88	1.00	0.02	13.18	86.68	1.01	1.45	1.00	0.03
13.20	81.99	0.96	2.88	1.00	0.06	13.22	79.17	0.94	4.05	1.00	0.08
13.24	81.64	0.96	3.07	1.00	0.06	13.26	101.03	1.20	0.58	1.00	0.01
13.28	103.18	1.23	0.53	1.00	0.01	13.30	108.44	1.32	0.41	1.00	0.01
13.32	107.99	1.32	0.41	1.00	0.01	13.34	113.15	1.42	0.31	1.00	0.01
13.36	115.87	1.48	0.26	1.00	0.01	13.38	113.25	1.42	0.31	1.00	0.01
13.40	109.22	1.34	0.39	1.00	0.01	13.42	105.09	1.27	0.47	1.00	0.01
13.44	101.37	1.21	0.56	1.00	0.01	13.46	97.13	1.15	0.69	1.00	0.01
13.48	99.34	1.18	0.62	1.00	0.01	13.50	104.50	1.26	0.48	1.00	0.01
13.52	108.75	1.34	0.39	1.00	0.01	13.54	104.65	1.26	0.48	1.00	0.01
13.56	96.62	1.14	0.70	1.00	0.01	13.58	89.76	1.06	1.04	1.00	0.02
13.60	91.88	1.08	0.90	1.00	0.02	13.62	95.93	1.13	0.72	1.00	0.01
13.64	95.83	1.13	0.72	1.00	0.01	13.66	94.91	1.12	0.75	1.00	0.02
13.68	102.78	1.24	0.51	1.00	0.01	13.70	108.06	1.33	0.40	1.00	0.01
13.72	110.29	1.37	0.35	1.00	0.01	13.74	107.74	1.33	0.40	1.00	0.01
13.76	103.51	1.25	0.49	1.00	0.01	13.78	97.42	1.16	0.65	1.00	0.01
13.80	92.45	1.09	0.85	1.00	0.02	13.82	88.61	1.05	1.08	1.00	0.02
13.84	85.14	1.01	1.46	1.00	0.03	13.86	80.60	0.97	2.92	1.00	0.06
13.88	77.54	0.94	4.13	1.00	0.08	13.90	17.99	2.00	0.00	1.00	0.00
13.92	17.98	2.00	0.00	1.00	0.00	13.94	18.65	2.00	0.00	1.00	0.00
13.96	21.80	2.00	0.00	1.00	0.00	13.98	83.58	1.00	1.69	1.00	0.03
14.00	88.77	1.06	1.04	1.00	0.02	14.02	92.15	1.10	0.84	1.00	0.02
14.04	91.30	1.09	0.88	1.00	0.02	14.06	90.29	1.08	0.93	1.00	0.02
14.08	82.51	0.99	1.90	1.00	0.04	14.10	77.49	0.94	4.13	1.00	0.08
14.12	85.04	1.02	1.39	1.00	0.03	14.14	89.22	1.06	0.98	1.00	0.02
14.16	92.86	1.11	0.79	1.00	0.02	14.18	95.70	1.15	0.68	1.00	0.01
14.20	98.17	1.18	0.60	1.00	0.01	14.22	99.73	1.21	0.56	1.00	0.01
14.24	94.32	1.13	0.72	1.00	0.01	14.26	95.00	1.14	0.70	1.00	0.01
14.28	96.83	1.17	0.63	1.00	0.01	14.30	94.61	1.14	0.71	1.00	0.01
14.32	93.98	1.13	0.73	1.00	0.01	14.34	93.83	1.13	0.73	1.00	0.01
14.36	93.05	1.12	0.76	1.00	0.02	14.38	92.08	1.11	0.80	1.00	0.02
14.40	91.66	1.10	0.81	1.00	0.02	14.42	90.61	1.09	0.86	1.00	0.02
14.44	88.61	1.07	0.97	1.00	0.02	14.46	90.00	1.08	0.89	1.00	0.02
14.48	89.36	1.08	0.92	1.00	0.02	14.50	88.60	1.07	0.96	1.00	0.02
14.52	88.25	1.06	0.98	1.00	0.02	14.54	88.10	1.06	0.99	1.00	0.02
14.56	87.84	1.06	1.00	1.00	0.02	14.58	88.22	1.07	0.97	1.00	0.02
14.60	88.20	1.07	0.97	1.00	0.02	14.62	88.82	1.07	0.93	1.00	0.02
14.64	88.46	1.07	0.95	1.00	0.02	14.66	89.47	1.08	0.89	1.00	0.02
14.68	89.54	1.08	0.88	1.00	0.02	14.70	90.47	1.10	0.83	1.00	0.02
14.72	89.35	1.08	0.88	1.00	0.02	14.74	89.40	1.08	0.88	1.00	0.02
14.76	89.32	1.08	0.88	1.00	0.02	14.78	89.85	1.09	0.85	1.00	0.02
14.80	88.25	1.07	0.93	1.00	0.02	14.82	86.88	1.06	1.02	1.00	0.02
14.84	90.51	1.10	0.81	1.00	0.02	14.86	96.08	1.17	0.61	1.00	0.01
14.88	98.03	1.20	0.56	1.00	0.01	14.90	98.92	1.22	0.53	1.00	0.01
14.92	98.69	1.21	0.54	1.00	0.01	14.94	98.30	1.21	0.55	1.00	0.01
14.96	98.46	1.21	0.54	1.00	0.01	14.98	98.48	1.21	0.54	1.00	0.01
15.00	97.05	1.19	0.57	1.00	0.01	15.02	96.89	1.19	0.58	1.00	0.01
15.04	98.04	1.21	0.55	1.00	0.01	15.06	98.63	1.22	0.53	1.00	0.01
15.08	94.42	1.16	0.64	1.00	0.01	15.10	94.67	1.16	0.63	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	95.12	1.17	0.62	1.00	0.01	15.14	95.26	1.17	0.61	1.00	0.01
15.16	97.85	1.21	0.54	1.00	0.01	15.18	97.78	1.21	0.54	1.00	0.01
15.20	94.11	1.16	0.64	1.00	0.01	15.22	93.39	1.15	0.66	1.00	0.01
15.24	92.28	1.13	0.70	1.00	0.01	15.26	92.44	1.14	0.69	1.00	0.01
15.28	92.33	1.14	0.69	1.00	0.01	15.30	89.83	1.11	0.78	1.00	0.02
15.32	89.46	1.10	0.80	1.00	0.02	15.34	89.76	1.11	0.78	1.00	0.02
15.36	90.93	1.12	0.73	1.00	0.01	15.38	91.54	1.13	0.71	1.00	0.01
15.40	91.34	1.13	0.71	1.00	0.01	15.42	91.04	1.12	0.72	1.00	0.01
15.44	91.35	1.13	0.71	1.00	0.01	15.46	88.71	1.10	0.81	1.00	0.02
15.48	89.53	1.11	0.78	1.00	0.02	15.50	90.00	1.11	0.75	1.00	0.02
15.52	90.43	1.12	0.74	1.00	0.01	15.54	90.75	1.12	0.72	1.00	0.01
15.56	91.12	1.13	0.71	1.00	0.01	15.58	91.53	1.13	0.69	1.00	0.01
15.60	92.41	1.15	0.66	1.00	0.01	15.62	92.73	1.15	0.65	1.00	0.01
15.64	91.82	1.14	0.68	1.00	0.01	15.66	89.00	1.11	0.78	1.00	0.02
15.68	88.37	1.10	0.80	1.00	0.02	15.70	88.88	1.11	0.78	1.00	0.02
15.72	89.21	1.11	0.76	1.00	0.02	15.74	88.38	1.10	0.79	1.00	0.02
15.76	86.91	1.08	0.86	1.00	0.02	15.78	85.65	1.07	0.93	1.00	0.02
15.80	82.93	1.04	1.14	1.00	0.02	15.82	81.53	1.03	1.29	1.00	0.03
15.84	83.32	1.05	1.09	1.00	0.02	15.86	83.80	1.05	1.05	1.00	0.02
15.88	90.00	1.12	0.71	1.00	0.01	15.90	91.52	1.14	0.66	1.00	0.01
15.92	92.82	1.16	0.62	1.00	0.01	15.94	93.27	1.17	0.61	1.00	0.01
15.96	93.15	1.17	0.61	1.00	0.01	15.98	93.26	1.17	0.60	1.00	0.01
16.00	92.93	1.17	0.61	1.00	0.01	16.02	92.21	1.16	0.63	1.00	0.01
16.04	92.00	1.15	0.63	1.00	0.01	16.06	92.23	1.16	0.62	1.00	0.01
16.08	92.18	1.16	0.62	1.00	0.01	16.10	92.07	1.16	0.63	1.00	0.01
16.12	91.04	1.14	0.66	1.00	0.01	16.14	91.72	1.15	0.63	1.00	0.01
16.16	92.72	1.17	0.60	1.00	0.01	16.18	93.82	1.18	0.57	1.00	0.01
16.20	94.84	1.20	0.55	1.00	0.01	16.22	94.44	1.19	0.55	1.00	0.01
16.24	93.26	1.18	0.58	1.00	0.01	16.26	90.41	1.14	0.66	1.00	0.01
16.28	88.73	1.12	0.72	1.00	0.01	16.30	87.45	1.11	0.76	1.00	0.02
16.32	87.06	1.10	0.78	1.00	0.02	16.34	89.12	1.13	0.70	1.00	0.01
16.36	91.53	1.16	0.62	1.00	0.01	16.38	93.00	1.18	0.58	1.00	0.01
16.40	94.70	1.20	0.54	1.00	0.01	16.42	92.90	1.18	0.58	1.00	0.01
16.44	93.80	1.19	0.55	1.00	0.01	16.46	94.13	1.20	0.55	1.00	0.01
16.48	94.20	1.20	0.54	1.00	0.01	16.50	93.65	1.19	0.55	1.00	0.01
16.52	93.17	1.18	0.56	1.00	0.01	16.54	93.37	1.19	0.56	1.00	0.01
16.56	93.16	1.19	0.56	1.00	0.01	16.58	93.82	1.20	0.54	1.00	0.01
16.60	93.87	1.20	0.54	1.00	0.01	16.62	94.30	1.20	0.53	1.00	0.01
16.64	94.82	1.21	0.52	1.00	0.01	16.66	95.38	1.22	0.50	1.00	0.01
16.68	96.14	1.23	0.49	1.00	0.01	16.70	94.55	1.21	0.52	1.00	0.01
16.72	90.81	1.16	0.61	1.00	0.01	16.74	90.01	1.15	0.63	1.00	0.01
16.76	88.79	1.14	0.66	1.00	0.01	16.78	86.81	1.11	0.73	1.00	0.01
16.80	83.46	1.07	0.88	1.00	0.02	16.82	80.15	1.04	1.13	1.00	0.02
16.84	81.09	1.05	1.04	1.00	0.02	16.86	88.26	1.13	0.67	1.00	0.01
16.88	94.73	1.22	0.50	1.00	0.01	16.90	100.64	1.31	0.39	1.00	0.01
16.92	105.77	1.40	0.31	1.00	0.01	16.94	109.24	1.47	0.26	1.00	0.01
16.96	110.68	1.50	0.24	1.00	0.00	16.98	110.88	1.51	0.23	1.00	0.00
17.00	111.00	1.51	0.23	1.00	0.00	17.02	109.25	1.48	0.25	1.00	0.01
17.04	107.34	1.44	0.28	1.00	0.01	17.06	105.16	1.40	0.31	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	97.45	1.27	0.44	1.00	0.01	17.10	96.02	1.24	0.46	1.00	0.01
17.12	101.92	1.34	0.36	1.00	0.01	17.14	106.37	1.42	0.29	1.00	0.01
17.16	108.47	1.47	0.26	1.00	0.01	17.18	108.31	1.46	0.26	1.00	0.01
17.20	108.58	1.47	0.26	1.00	0.01	17.22	107.38	1.45	0.27	1.00	0.01
17.24	104.09	1.38	0.32	1.00	0.01	17.26	99.96	1.31	0.39	1.00	0.01
17.28	96.05	1.25	0.45	1.00	0.01	17.30	94.89	1.24	0.47	1.00	0.01
17.32	97.67	1.28	0.42	1.00	0.01	17.34	100.54	1.32	0.37	1.00	0.01
17.36	96.76	1.27	0.43	1.00	0.01	17.38	97.89	1.28	0.41	1.00	0.01
17.40	97.22	1.27	0.42	1.00	0.01	17.42	97.06	1.27	0.43	1.00	0.01
17.44	97.25	1.28	0.42	1.00	0.01	17.46	99.62	1.31	0.38	1.00	0.01
17.48	102.70	1.37	0.33	1.00	0.01	17.50	104.25	1.40	0.31	1.00	0.01
17.52	103.90	1.39	0.31	1.00	0.01	17.54	101.88	1.36	0.34	1.00	0.01
17.56	100.33	1.33	0.37	1.00	0.01	17.58	99.04	1.31	0.38	1.00	0.01
17.60	97.32	1.28	0.41	1.00	0.01	17.62	93.83	1.23	0.47	1.00	0.01
17.64	88.30	1.16	0.59	1.00	0.01	17.66	89.09	1.17	0.57	1.00	0.01
17.68	94.70	1.25	0.45	1.00	0.01	17.70	97.37	1.29	0.41	1.00	0.01
17.72	97.32	1.29	0.41	1.00	0.01	17.74	95.81	1.26	0.43	1.00	0.01
17.76	96.18	1.27	0.42	1.00	0.01	17.78	96.97	1.28	0.41	1.00	0.01
17.80	95.68	1.26	0.43	1.00	0.01	17.82	92.99	1.23	0.47	1.00	0.01
17.84	91.80	1.21	0.50	1.00	0.01	17.86	95.83	1.27	0.42	1.00	0.01
17.88	101.58	1.36	0.33	1.00	0.01	17.90	103.23	1.39	0.31	1.00	0.01
17.92	103.43	1.40	0.30	1.00	0.01	17.94	102.74	1.39	0.31	1.00	0.01
17.96	100.83	1.35	0.34	1.00	0.01	17.98	96.85	1.29	0.40	1.00	0.01
18.00	92.00	1.22	0.48	1.00	0.01	18.02	90.13	1.19	0.52	1.00	0.01
18.04	86.89	1.15	0.59	1.00	0.01	18.06	85.71	1.14	0.62	1.00	0.01
18.08	86.07	1.15	0.60	1.00	0.01	18.10	92.27	1.23	0.47	1.00	0.01
18.12	98.34	1.32	0.37	1.00	0.01	18.14	100.54	1.36	0.34	1.00	0.01
18.16	101.24	1.37	0.33	1.00	0.01	18.18	101.55	1.37	0.32	1.00	0.01
18.20	101.04	1.37	0.33	1.00	0.01	18.22	99.31	1.34	0.35	1.00	0.01
18.24	97.60	1.31	0.37	1.00	0.01	18.26	95.62	1.28	0.40	1.00	0.01
18.28	94.94	1.27	0.41	1.00	0.01	18.30	95.16	1.28	0.41	1.00	0.01
18.32	91.64	1.23	0.47	1.00	0.01	18.34	92.22	1.23	0.45	1.00	0.01
18.36	93.96	1.26	0.42	1.00	0.01	18.38	94.80	1.27	0.41	1.00	0.01
18.40	95.54	1.28	0.40	1.00	0.01	18.42	95.77	1.29	0.39	1.00	0.01
18.44	94.76	1.27	0.41	1.00	0.01	18.46	94.26	1.27	0.41	1.00	0.01
18.48	92.87	1.25	0.44	1.00	0.01	18.50	89.89	1.21	0.49	1.00	0.01
18.52	88.51	1.19	0.51	1.00	0.01	18.54	87.75	1.18	0.52	1.00	0.01
18.56	88.66	1.19	0.50	1.00	0.01	18.58	90.27	1.22	0.47	1.00	0.01
18.60	92.87	1.25	0.43	1.00	0.01	18.62	95.98	1.30	0.38	1.00	0.01
18.64	101.98	1.40	0.30	1.00	0.01	18.66	109.28	1.55	0.20	1.00	0.00
18.68	118.37	1.78	0.08	1.00	0.00	18.70	121.56	1.88	0.04	1.00	0.00
18.72	120.97	1.86	0.05	1.00	0.00	18.74	116.52	1.73	0.11	1.00	0.00
18.76	111.83	1.61	0.16	1.00	0.00	18.78	111.08	1.59	0.17	1.00	0.00
18.80	112.92	1.64	0.15	1.00	0.00	18.82	115.47	1.71	0.12	1.00	0.00
18.84	116.72	1.74	0.10	1.00	0.00	18.86	113.25	1.65	0.14	1.00	0.00
18.88	105.54	1.48	0.24	1.00	0.00	18.90	98.05	1.34	0.34	1.00	0.01
18.92	102.72	1.43	0.28	1.00	0.01	18.94	110.09	1.58	0.18	1.00	0.00
18.96	119.32	1.83	0.07	1.00	0.00	18.98	122.78	1.94	0.02	1.00	0.00
19.00	121.59	1.90	0.04	1.00	0.00	19.02	119.12	1.82	0.07	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	115.16	1.71	0.12	1.00	0.00	19.06	109.39	1.57	0.19	1.00	0.00
19.08	105.30	1.48	0.24	1.00	0.00	19.10	100.91	1.40	0.29	1.00	0.01
19.12	100.47	1.39	0.30	1.00	0.01	19.14	99.60	1.38	0.31	1.00	0.01
19.16	98.99	1.37	0.31	1.00	0.01	19.18	103.42	1.45	0.26	1.00	0.01
19.20	110.72	1.61	0.17	1.00	0.00	19.22	116.29	1.75	0.10	1.00	0.00
19.24	121.55	1.91	0.03	1.00	0.00	19.26	120.08	1.87	0.05	1.00	0.00
19.28	111.51	1.63	0.15	1.00	0.00	19.30	110.67	1.61	0.16	1.00	0.00
19.32	109.15	1.58	0.18	1.00	0.00	19.34	106.52	1.52	0.21	1.00	0.00
19.36	105.66	1.50	0.22	1.00	0.00	19.38	104.78	1.49	0.23	1.00	0.00
19.40	104.12	1.47	0.24	1.00	0.00	19.42	104.54	1.48	0.23	1.00	0.00
19.44	105.11	1.49	0.23	1.00	0.00	19.46	105.30	1.50	0.22	1.00	0.00
19.48	105.43	1.50	0.22	1.00	0.00	19.50	105.35	1.50	0.22	1.00	0.00
19.52	107.09	1.54	0.20	1.00	0.00	19.54	107.54	1.55	0.19	1.00	0.00
19.56	106.28	1.52	0.21	1.00	0.00	19.58	104.78	1.49	0.23	1.00	0.00
19.60	103.63	1.47	0.24	1.00	0.00	19.62	103.32	1.47	0.24	1.00	0.00
19.64	103.35	1.47	0.24	1.00	0.00	19.66	104.80	1.50	0.22	1.00	0.00
19.68	103.48	1.47	0.24	1.00	0.00	19.70	101.12	1.43	0.27	1.00	0.01
19.72	99.49	1.40	0.28	1.00	0.01	19.74	96.37	1.35	0.32	1.00	0.01
19.76	95.20	1.33	0.33	1.00	0.01	19.78	96.34	1.35	0.32	1.00	0.01
19.80	98.59	1.39	0.29	1.00	0.01	19.82	101.09	1.43	0.26	1.00	0.01
19.84	107.42	1.56	0.19	1.00	0.00	19.86	116.72	1.80	0.08	1.00	0.00
19.88	127.89	2.00	0.00	1.00	0.00	19.90	134.09	2.00	0.00	1.00	0.00
19.92	134.99	2.00	0.00	1.00	0.00	19.94	132.18	2.00	0.00	1.00	0.00
19.96	128.24	2.00	0.00	1.00	0.00	19.98	123.37	2.00	0.00	1.00	0.00
20.00	124.35	2.00	0.00	1.00	0.00						

Total estimated settlement: 18.56

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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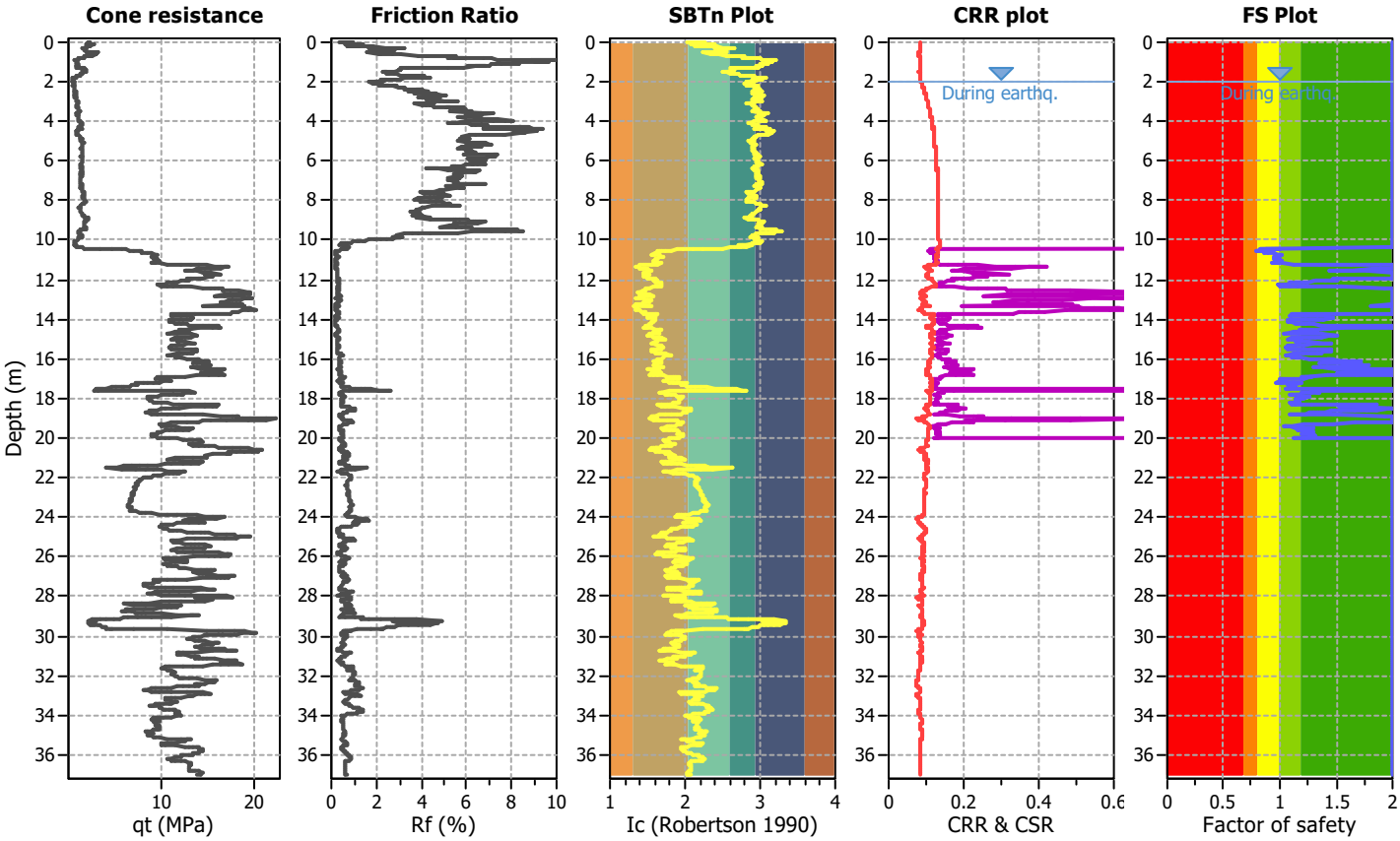
LIQUEFACTION ANALYSIS REPORT

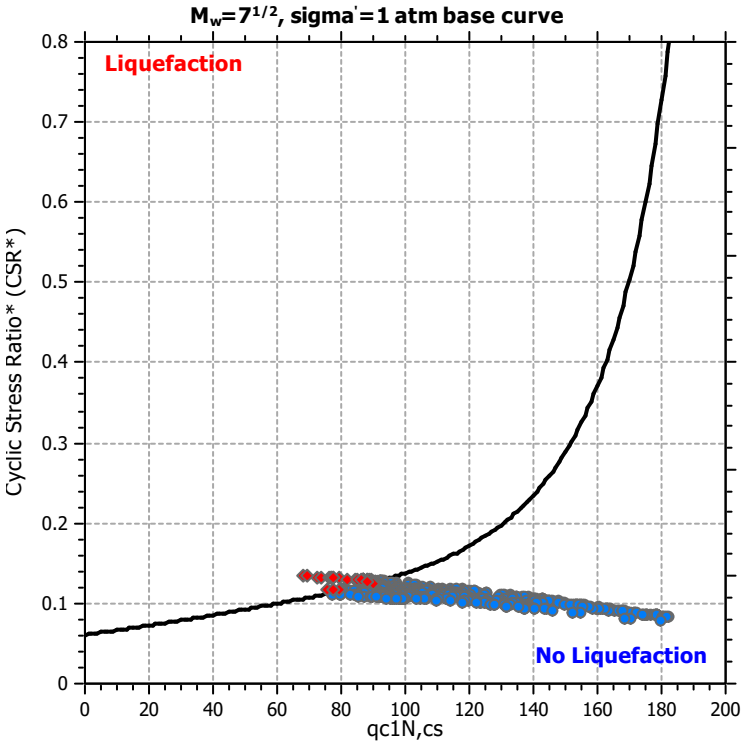
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

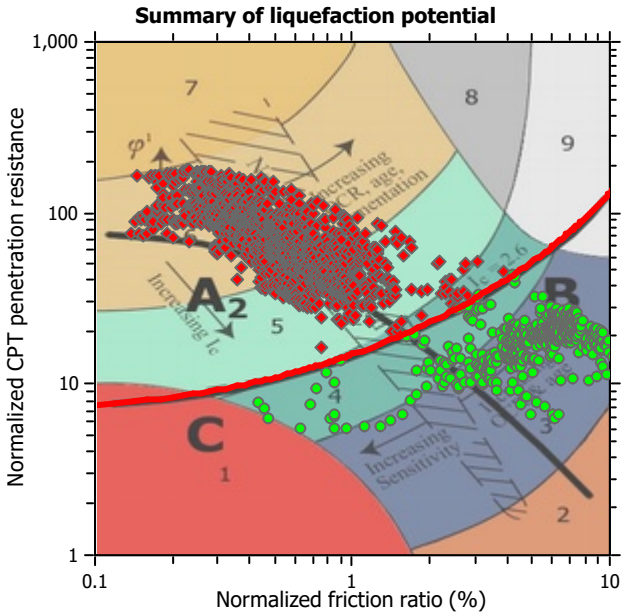
CPT file : P122

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

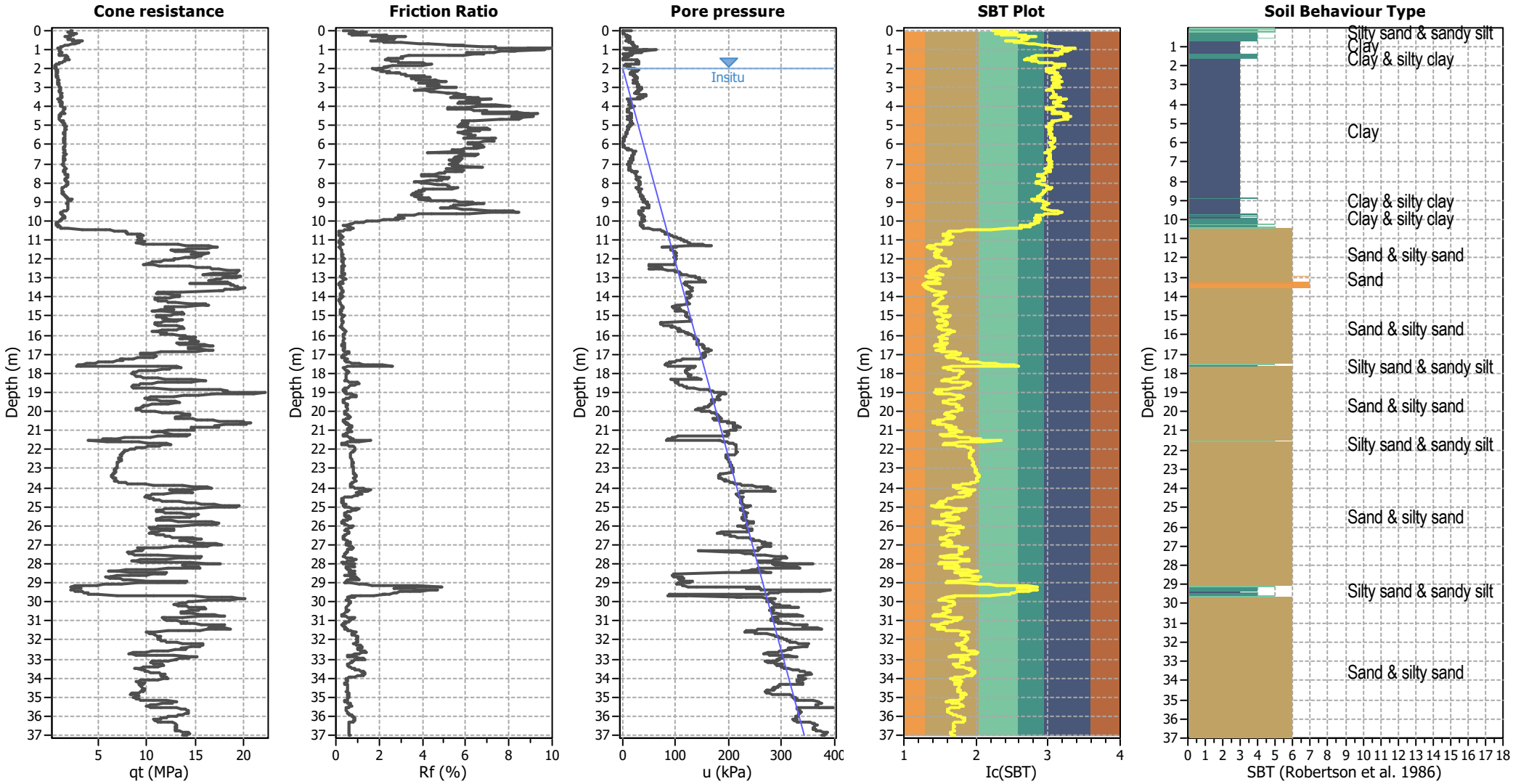






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



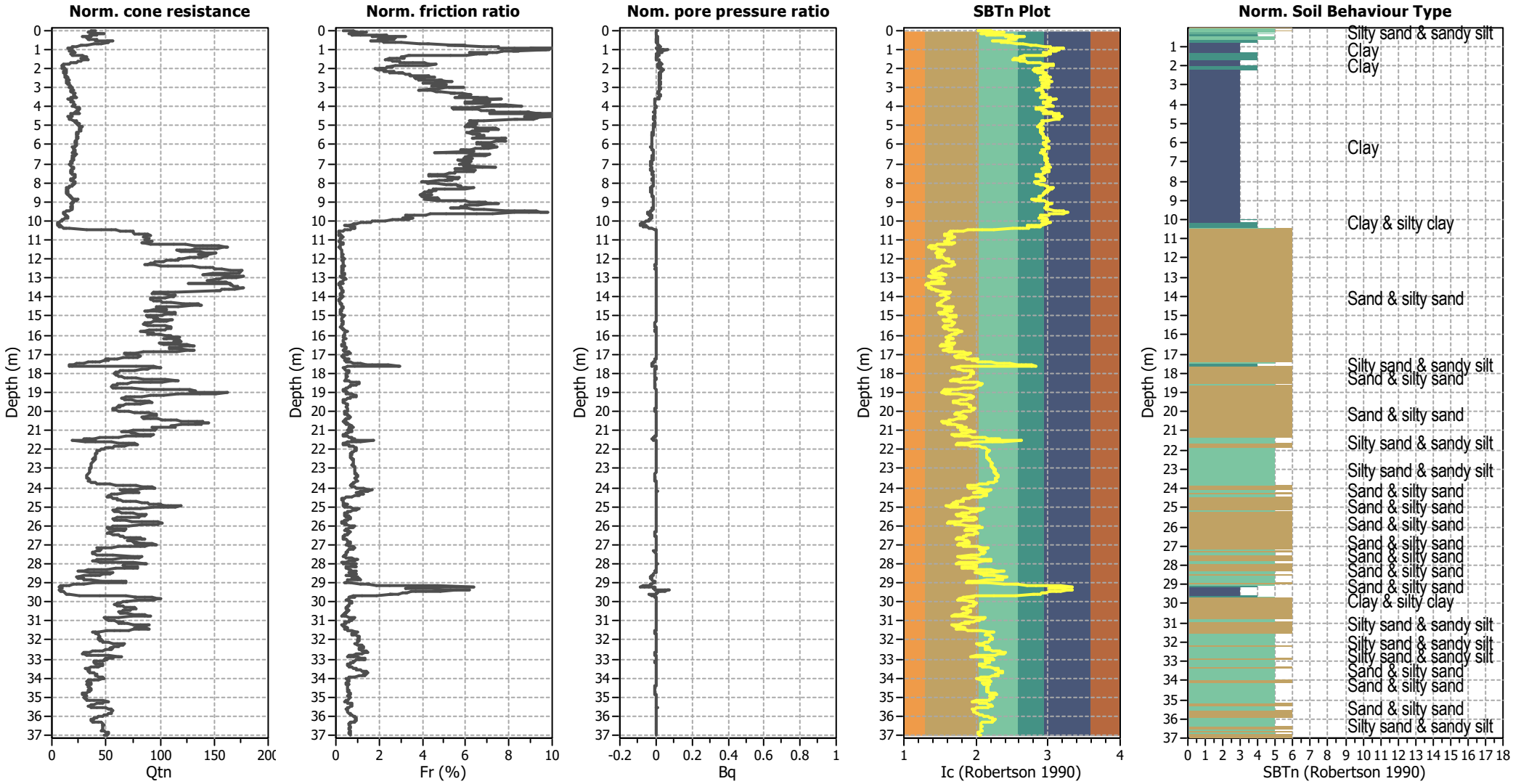
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



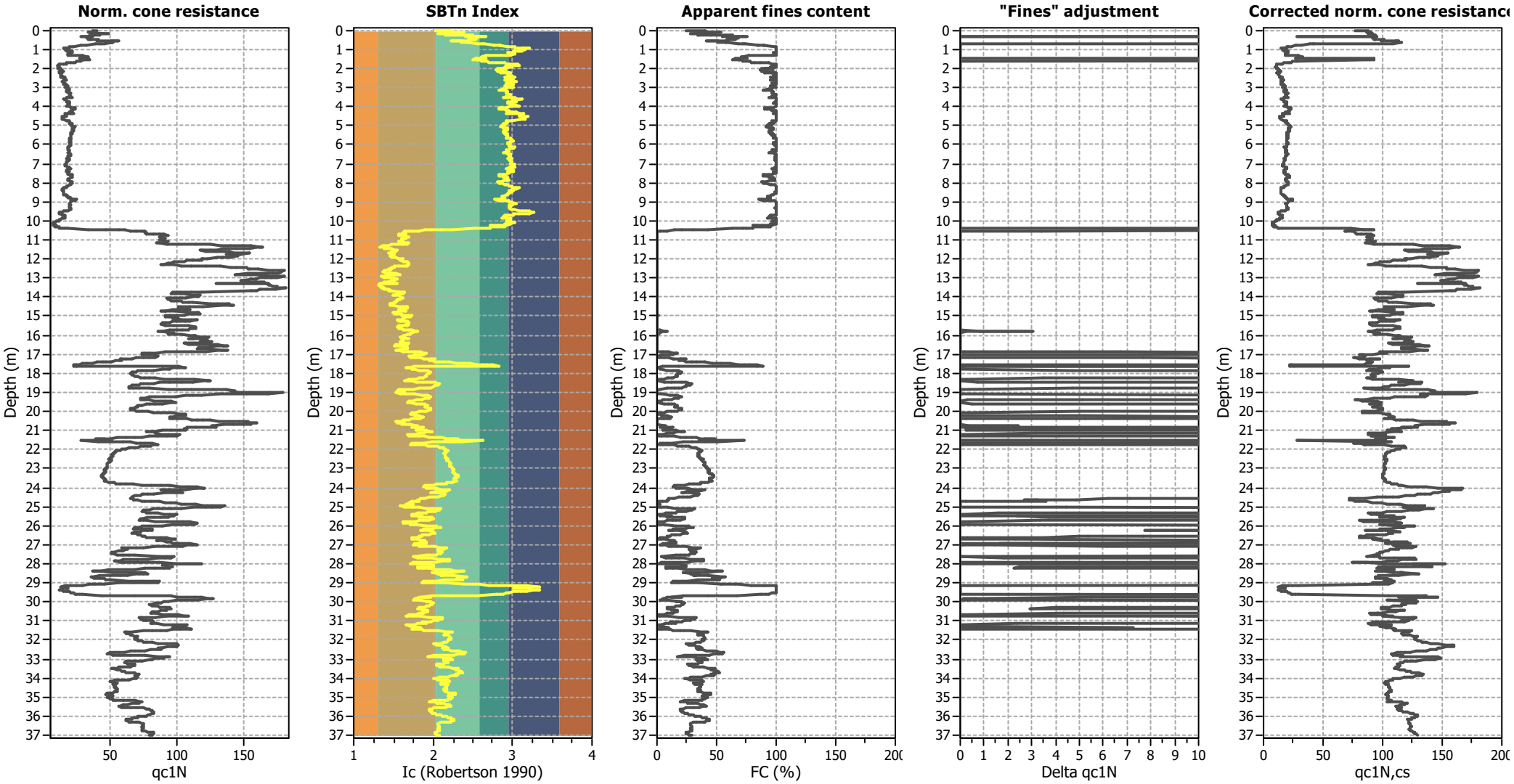
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

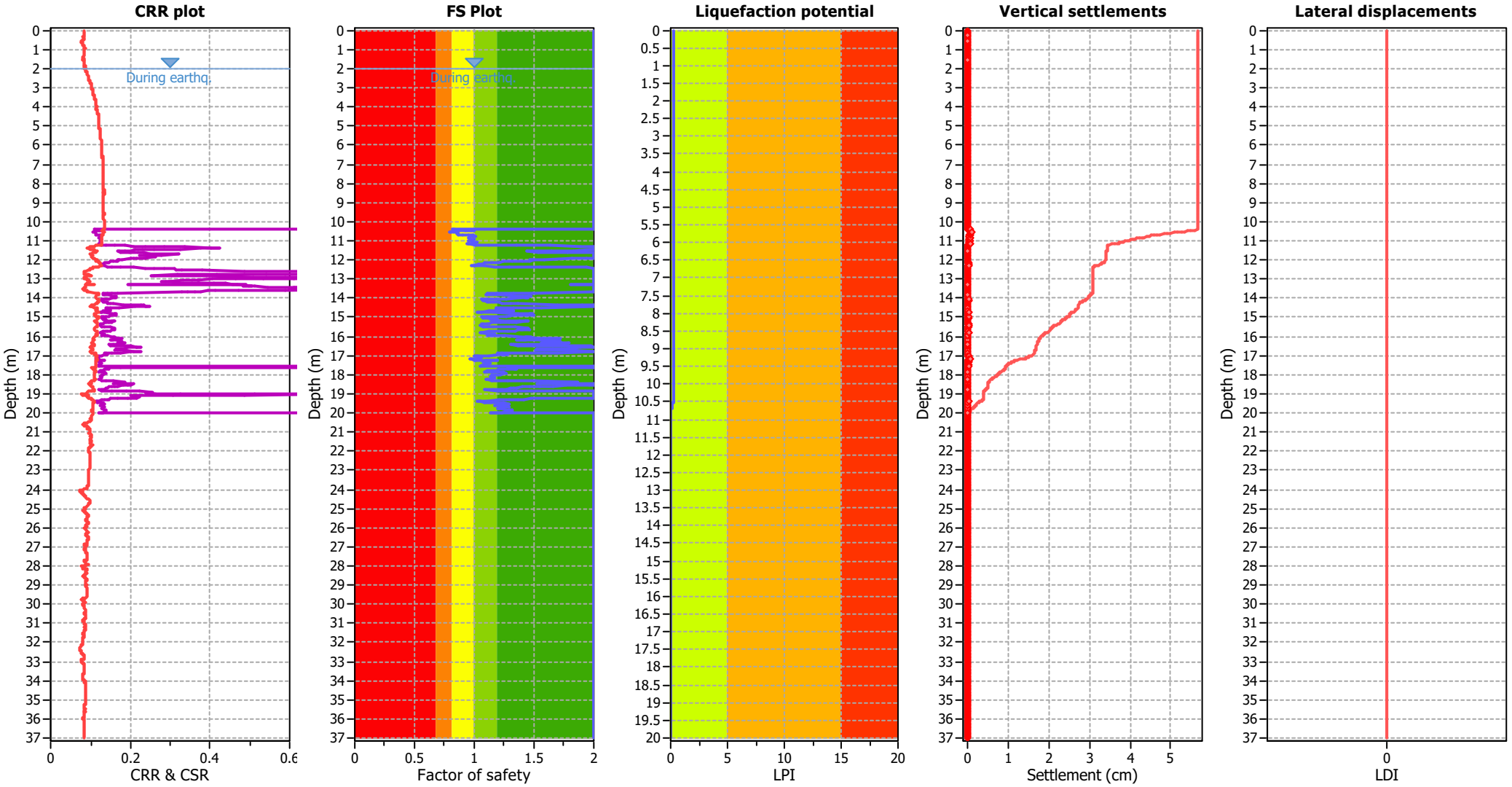
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

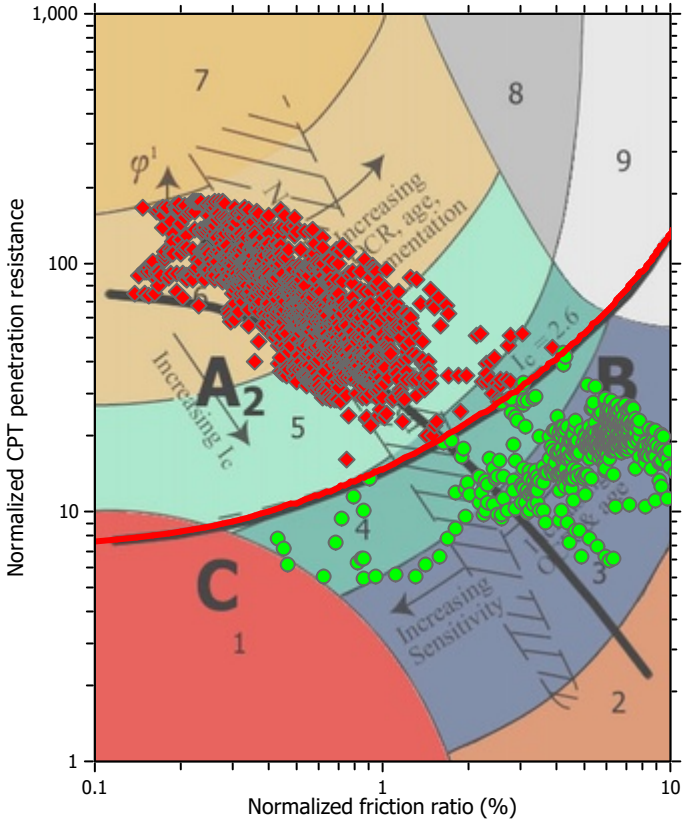
F.S. color scheme

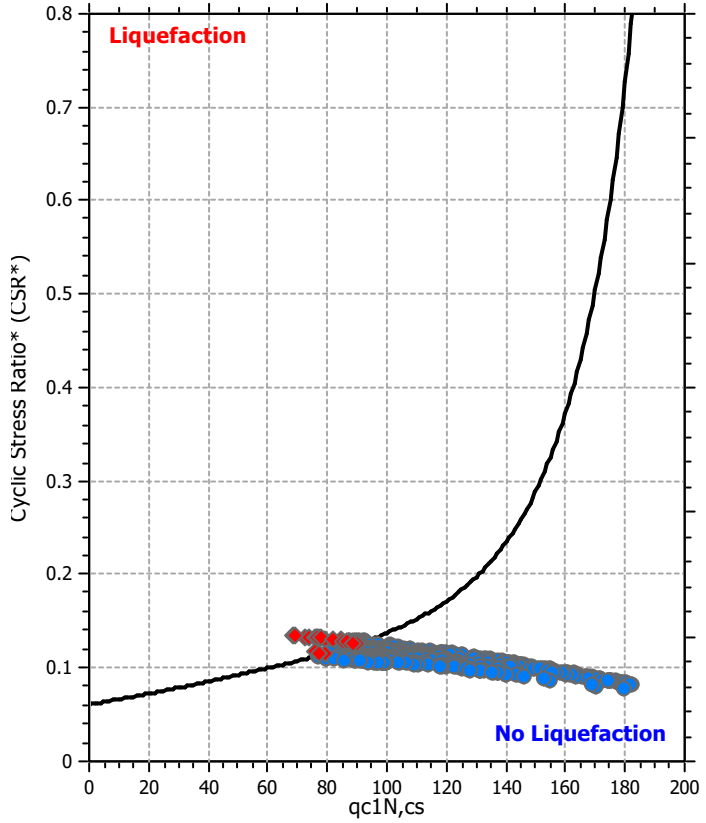
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

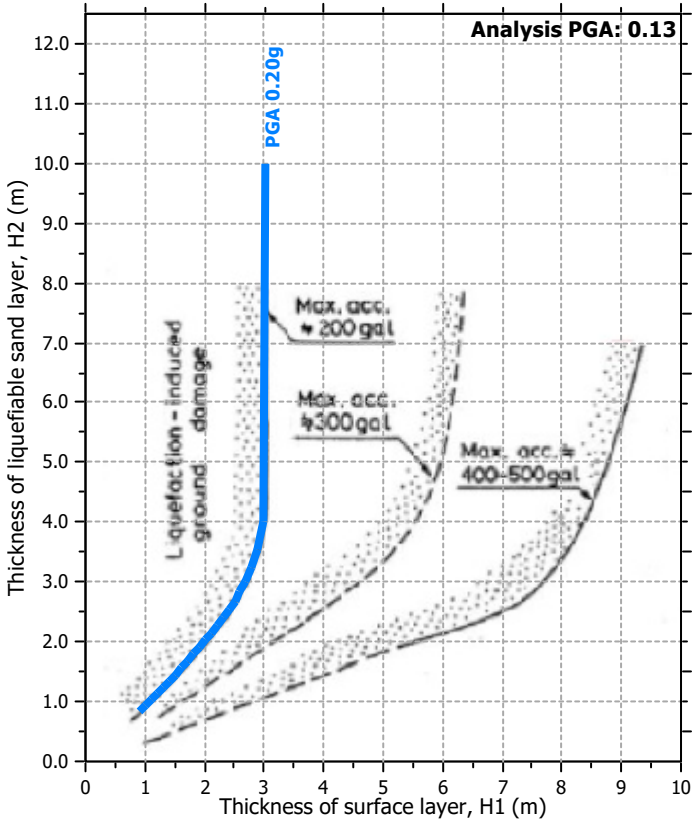
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



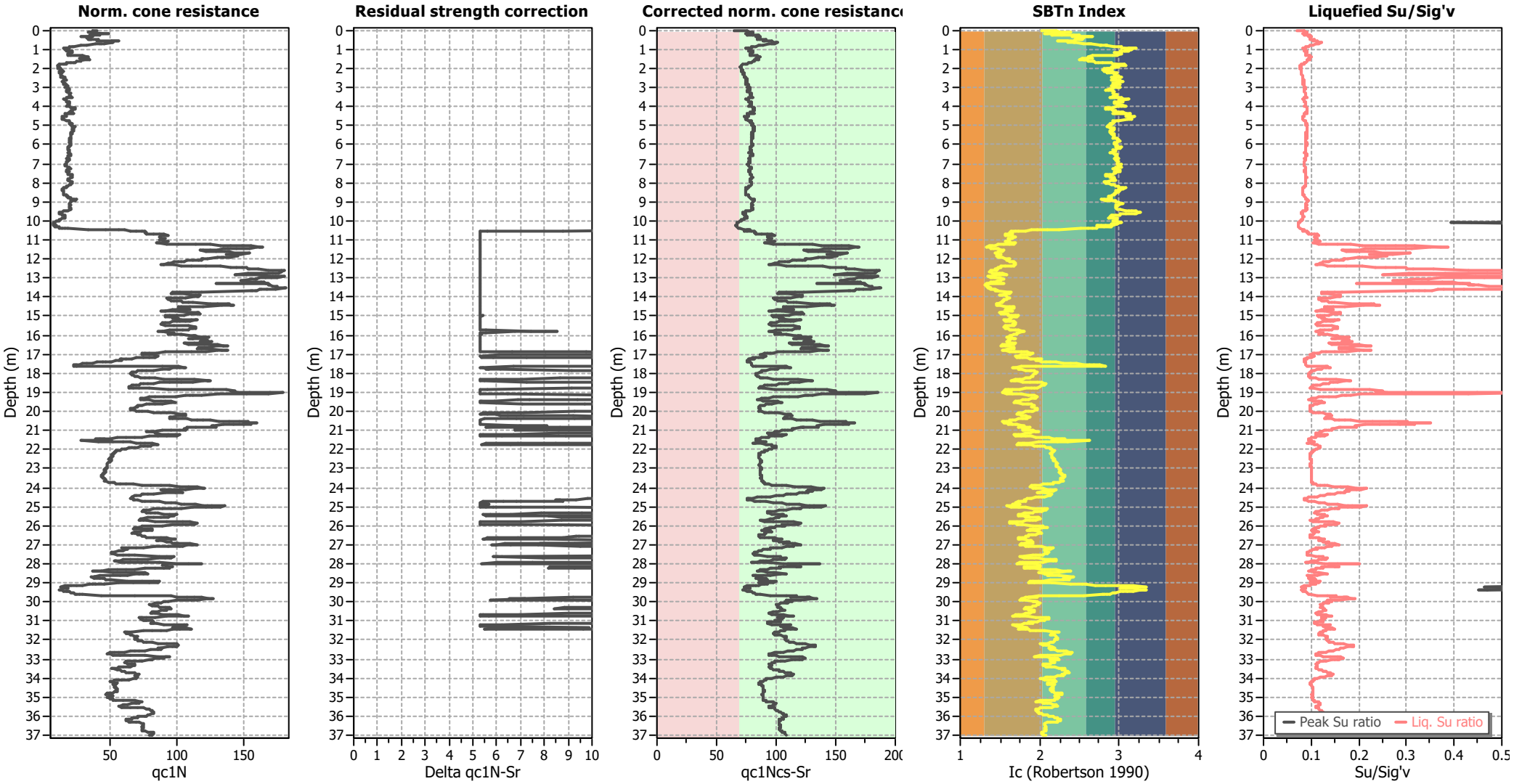




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	0.82	0.18	2.02	0.02	0.02	10.44	0.92	0.08	12.43	0.02	0.01
10.46	1.01	0.00	0.00	0.02	0.00	10.48	0.97	0.03	671.64	0.02	0.00
10.50	0.88	0.12	3.84	0.02	0.01	10.52	0.79	0.21	1.56	0.02	0.02
10.54	0.80	0.20	1.65	0.02	0.02	10.56	0.83	0.17	2.23	0.02	0.02
10.58	0.85	0.15	2.71	0.02	0.01	10.60	0.86	0.14	3.04	0.02	0.01
10.62	0.85	0.15	2.85	0.02	0.01	10.64	0.85	0.15	2.83	0.02	0.01
10.66	0.86	0.14	3.17	0.02	0.01	10.68	0.90	0.10	6.41	0.02	0.01
10.70	0.95	0.05	50.11	0.02	0.00	10.72	0.99	0.01	6622858.79	0.02	0.00
10.74	1.01	0.00	0.00	0.02	0.00	10.76	1.01	0.00	0.00	0.02	0.00
10.78	0.99	0.01	963327.16	0.02	0.00	10.80	0.96	0.04	124.94	0.02	0.00
10.82	0.95	0.05	42.58	0.02	0.00	10.84	0.95	0.05	47.52	0.02	0.00
10.86	0.95	0.05	49.29	0.02	0.00	10.88	0.96	0.04	242.98	0.02	0.00
10.90	0.97	0.03	308.79	0.02	0.00	10.92	0.98	0.02	87561.91	0.02	0.00
10.94	0.99	0.01	94375600.	0.02	0.00	10.96	0.99	0.01	8812425997 93.75	0.02	0.00
10.98	0.97	0.03	1816.38	0.02	0.00	11.00	0.95	0.05	55.25	0.02	0.00
11.02	0.97	0.03	1358.34	0.02	0.00	11.04	0.98	0.02	370470.86	0.02	0.00
11.06	1.01	0.00	0.00	0.02	0.00	11.08	1.02	0.00	0.00	0.02	0.00
11.10	1.02	0.00	0.00	0.02	0.00	11.12	0.99	0.01	910726.59	0.02	0.00
11.14	0.95	0.05	63.10	0.02	0.00	11.16	0.94	0.06	19.61	0.02	0.01
11.18	0.95	0.05	37.06	0.02	0.00	11.20	1.01	0.00	0.00	0.02	0.00
11.22	1.13	0.00	0.00	0.02	0.00	11.24	1.36	0.00	0.00	0.02	0.00
11.26	1.64	0.00	0.00	0.02	0.00	11.28	1.90	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	1.98	0.00	0.00	0.02	0.00
11.50	1.83	0.00	0.00	0.02	0.00	11.52	1.64	0.00	0.00	0.02	0.00
11.54	1.48	0.00	0.00	0.02	0.00	11.56	1.44	0.00	0.00	0.02	0.00
11.58	1.53	0.00	0.00	0.02	0.00	11.60	1.78	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	1.94	0.00	0.00	0.02	0.00
11.94	1.82	0.00	0.00	0.02	0.00	11.96	1.58	0.00	0.00	0.02	0.00
11.98	1.47	0.00	0.00	0.02	0.00	12.00	1.46	0.00	0.00	0.02	0.00
12.02	1.50	0.00	0.00	0.02	0.00	12.04	1.47	0.00	0.00	0.02	0.00
12.06	1.40	0.00	0.00	0.02	0.00	12.08	1.32	0.00	0.00	0.02	0.00
12.10	1.25	0.00	0.00	0.02	0.00	12.12	1.21	0.00	0.00	0.02	0.00
12.14	1.18	0.00	0.00	0.02	0.00	12.16	1.14	0.00	0.00	0.02	0.00
12.18	1.09	0.00	0.00	0.02	0.00	12.20	1.07	0.00	0.00	0.02	0.00
12.22	1.06	0.00	0.00	0.02	0.00	12.24	1.04	0.00	0.00	0.02	0.00

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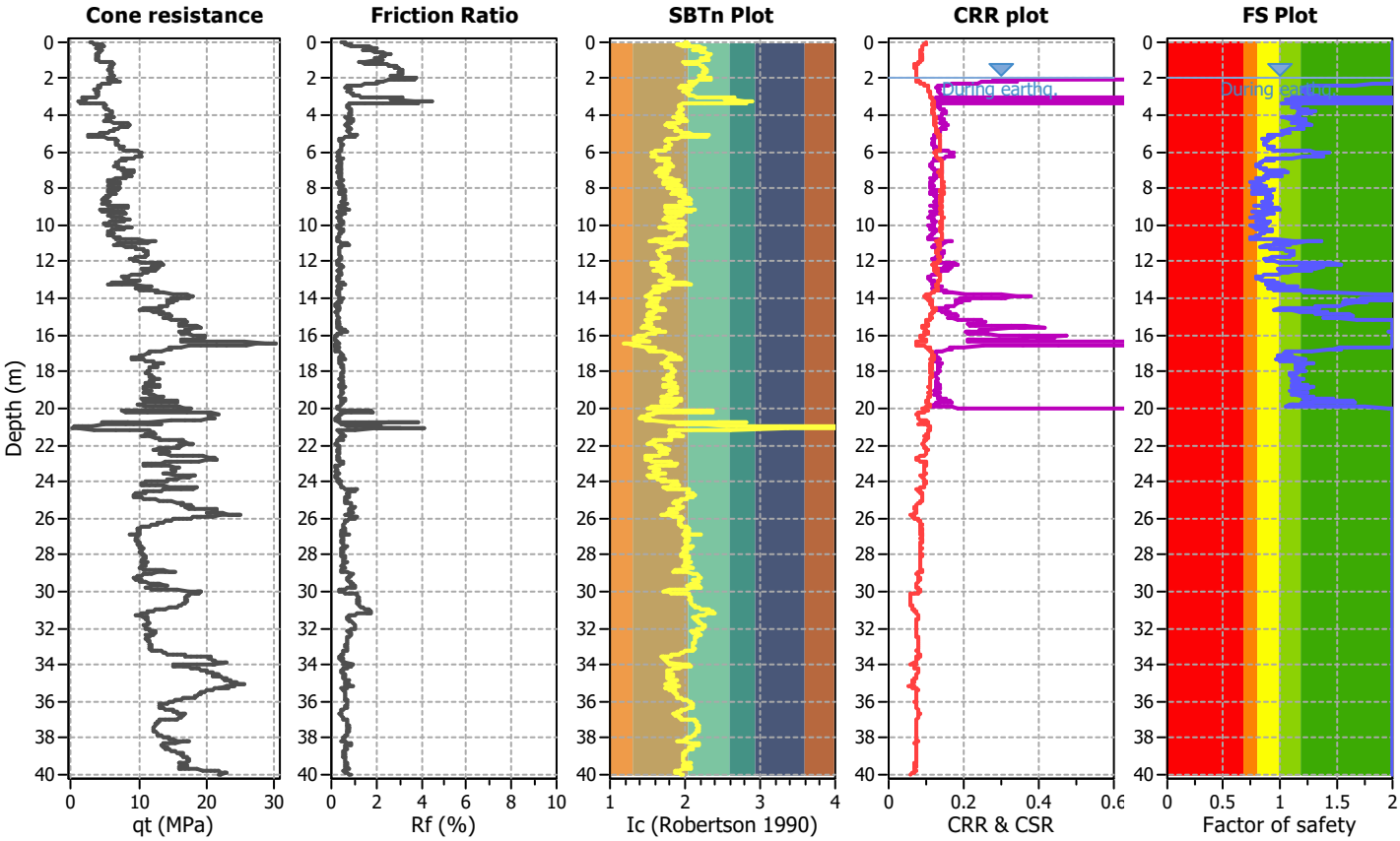
LIQUEFACTION ANALYSIS REPORT

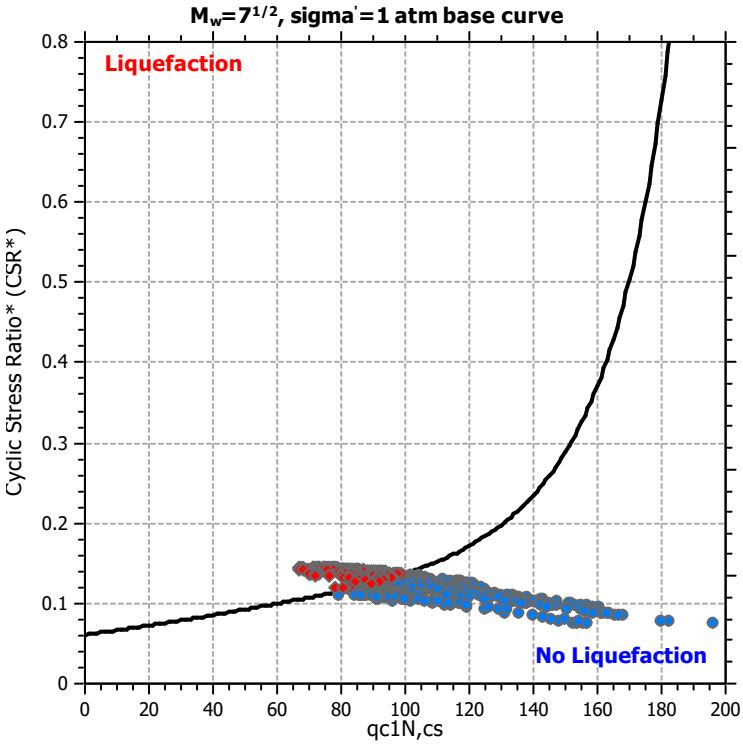
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

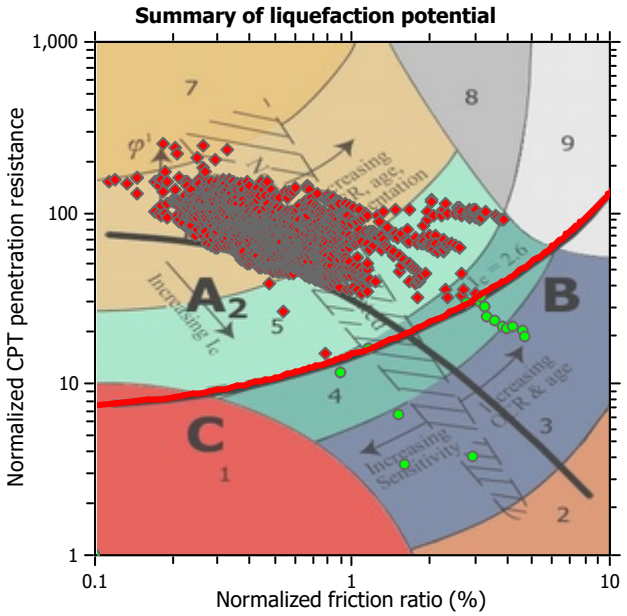
CPT file : P123

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

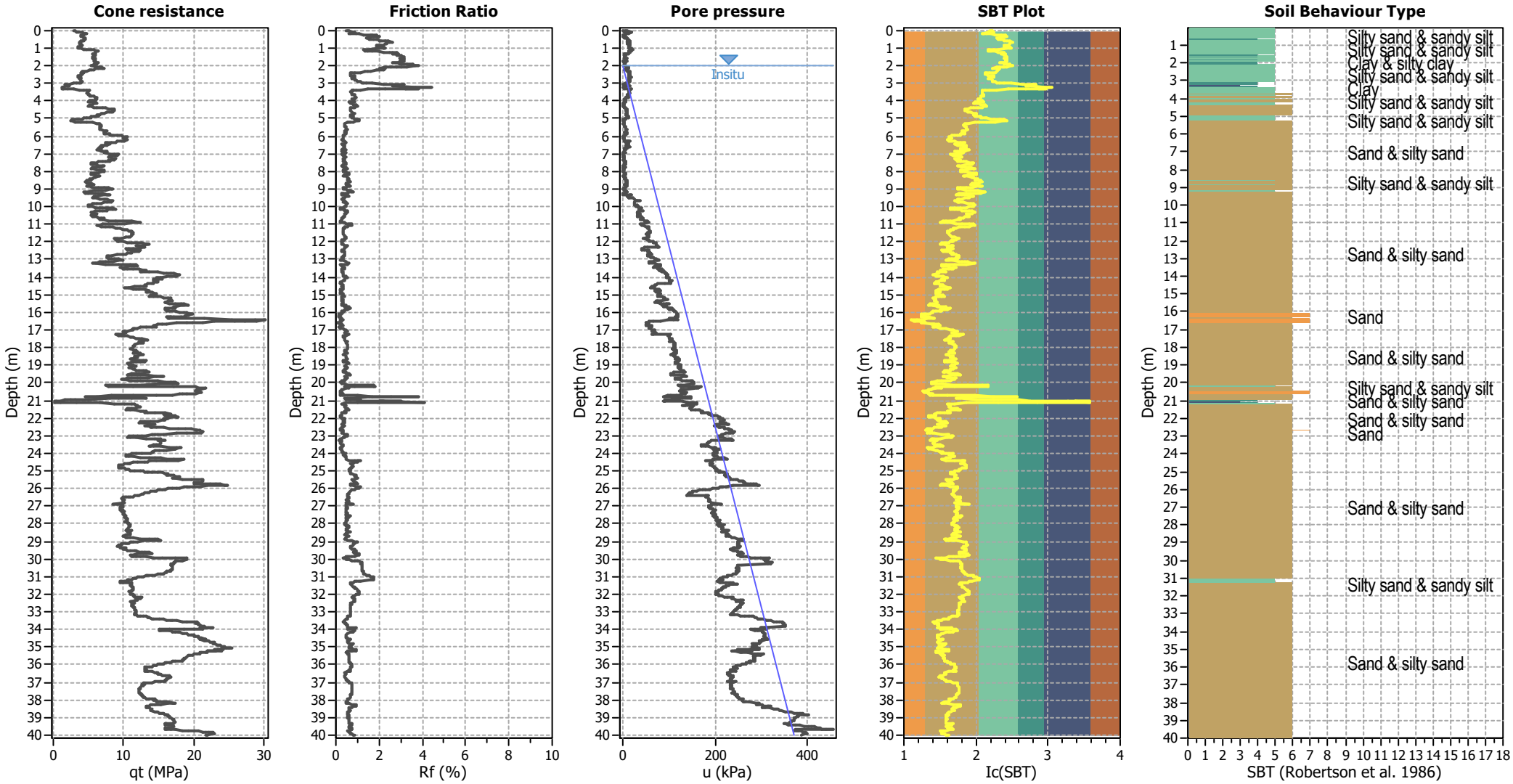






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



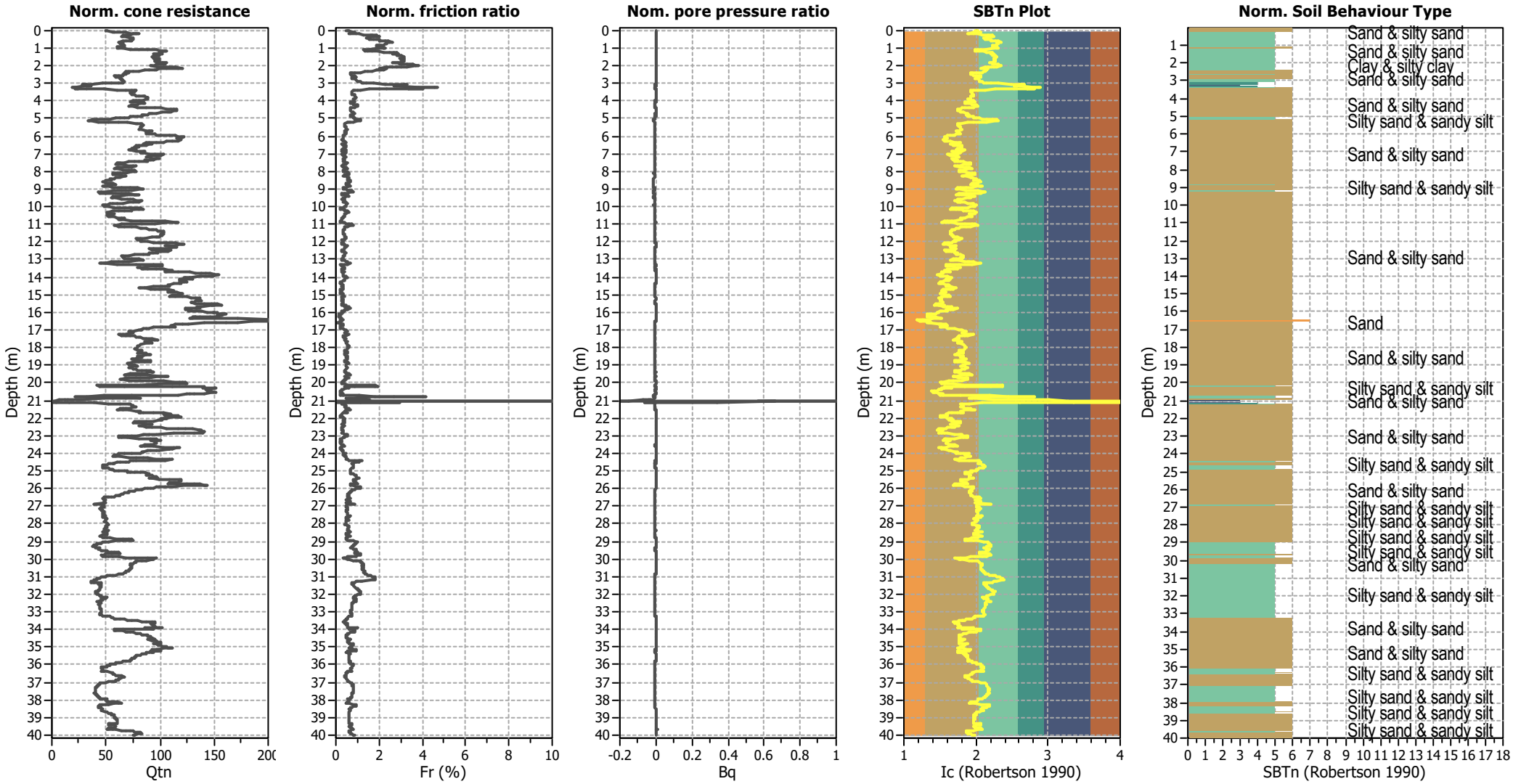
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



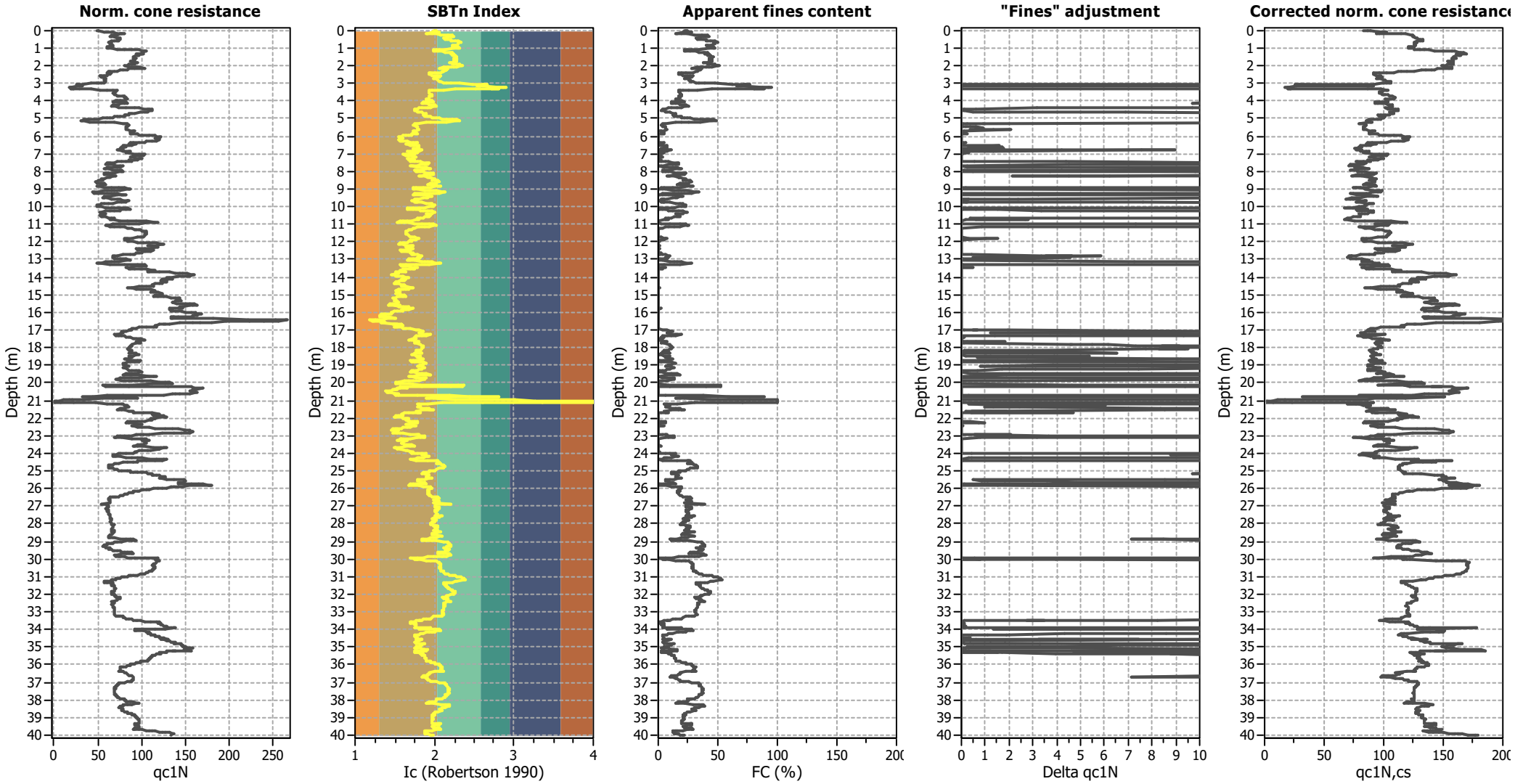
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

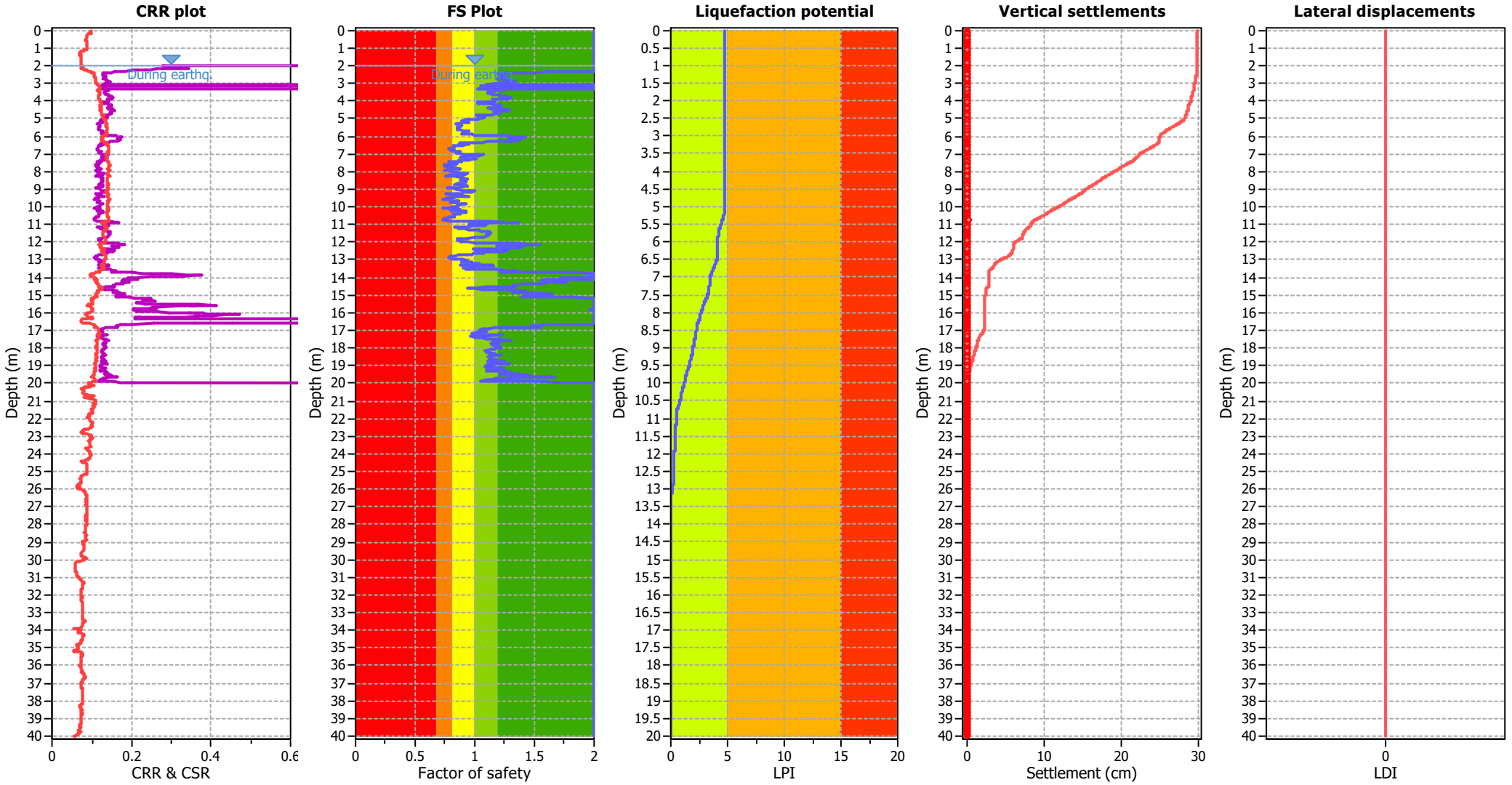
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

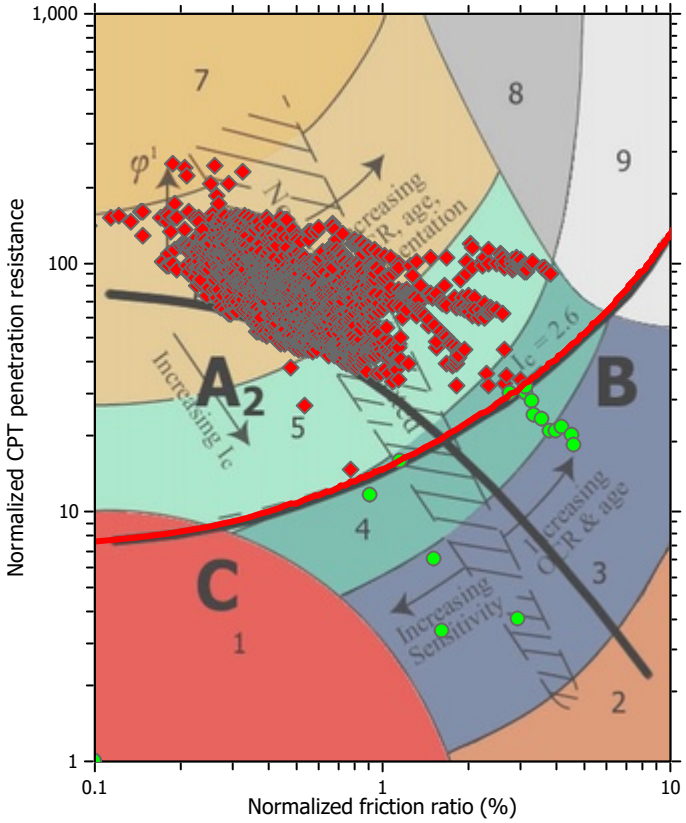
F.S. color scheme

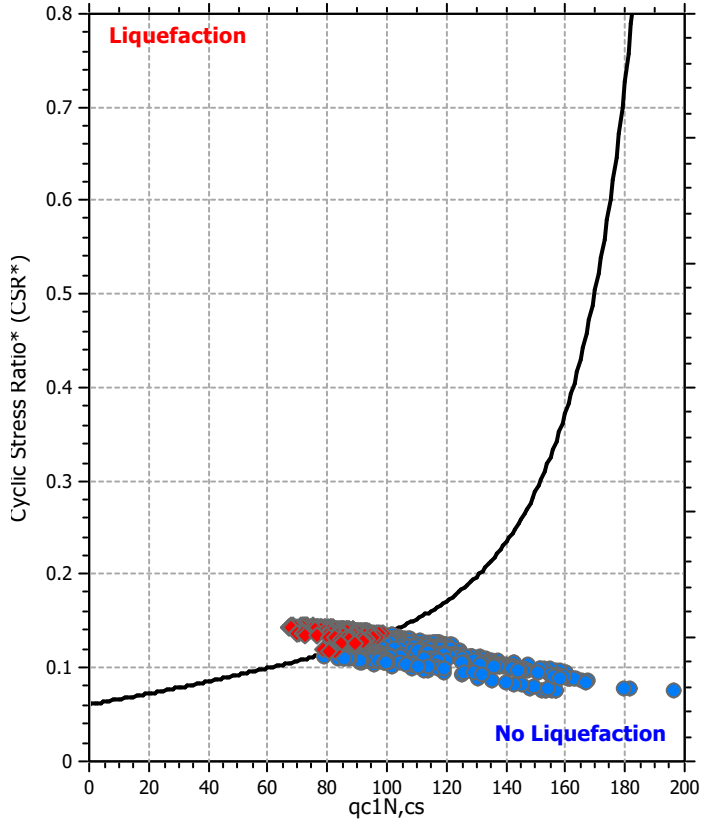
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

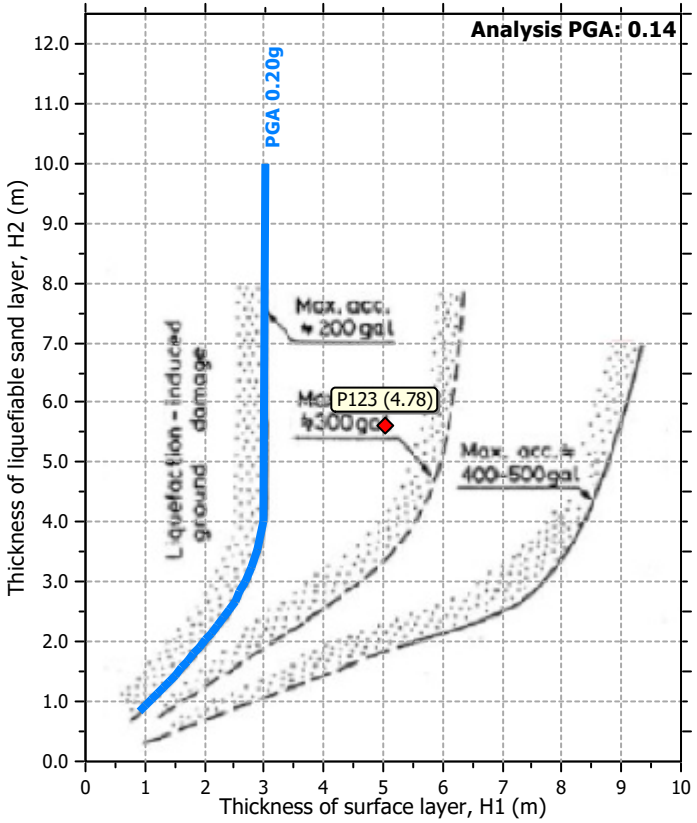
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



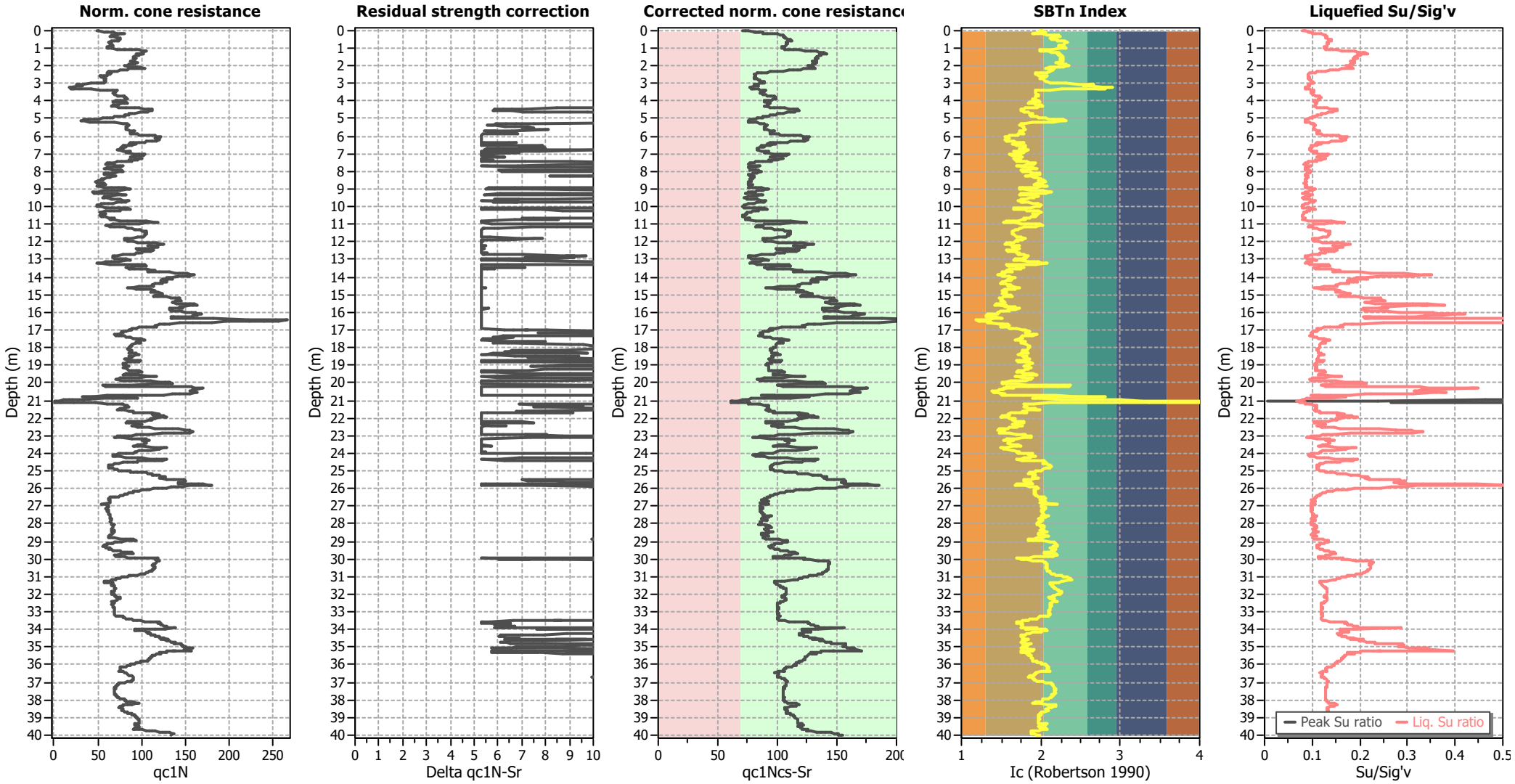




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	1.82	0.00	0.00	0.02	0.00
2.34	1.66	0.00	0.00	0.02	0.00	2.36	1.61	0.00	0.00	0.02	0.00
2.38	1.52	0.00	0.00	0.02	0.00	2.40	1.39	0.00	0.00	0.02	0.00
2.42	1.28	0.00	0.00	0.02	0.00	2.44	1.22	0.00	0.00	0.02	0.00
2.46	1.20	0.00	0.00	0.02	0.00	2.48	1.20	0.00	0.00	0.02	0.00
2.50	1.19	0.00	0.00	0.02	0.00	2.52	1.19	0.00	0.00	0.02	0.00
2.54	1.22	0.00	0.00	0.02	0.00	2.56	1.25	0.00	0.00	0.02	0.00
2.58	1.26	0.00	0.00	0.02	0.00	2.60	1.26	0.00	0.00	0.02	0.00
2.62	1.27	0.00	0.00	0.02	0.00	2.64	1.25	0.00	0.00	0.02	0.00
2.66	1.23	0.00	0.00	0.02	0.00	2.68	1.21	0.00	0.00	0.02	0.00
2.70	1.19	0.00	0.00	0.02	0.00	2.72	1.19	0.00	0.00	0.02	0.00
2.74	1.19	0.00	0.00	0.02	0.00	2.76	1.21	0.00	0.00	0.02	0.00
2.78	1.24	0.00	0.00	0.02	0.00	2.80	1.26	0.00	0.00	0.02	0.00
2.82	1.26	0.00	0.00	0.02	0.00	2.84	1.27	0.00	0.00	0.02	0.00
2.86	1.28	0.00	0.00	0.02	0.00	2.88	1.29	0.00	0.00	0.02	0.00
2.90	1.30	0.00	0.00	0.02	0.00	2.92	1.33	0.00	0.00	0.02	0.00
2.94	1.34	0.00	0.00	0.02	0.00	2.96	1.34	0.00	0.00	0.02	0.00
2.98	1.32	0.00	0.00	0.02	0.00	3.00	1.27	0.00	0.00	0.02	0.00
3.02	1.21	0.00	0.00	0.02	0.00	3.04	1.10	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	1.08	0.00	0.00	0.02	0.00
3.14	1.09	0.00	0.00	0.02	0.00	3.16	1.05	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	1.02	0.00	0.00	0.02	0.00
3.34	1.14	0.00	0.00	0.02	0.00	3.36	1.22	0.00	0.00	0.02	0.00
3.38	1.24	0.00	0.00	0.02	0.00	3.40	1.20	0.00	0.00	0.02	0.00
3.42	1.17	0.00	0.00	0.02	0.00	3.44	1.18	0.00	0.00	0.02	0.00
3.46	1.16	0.00	0.00	0.02	0.00	3.48	1.14	0.00	0.00	0.02	0.00
3.50	1.12	0.00	0.00	0.02	0.00	3.52	1.11	0.00	0.00	0.02	0.00
3.54	1.11	0.00	0.00	0.02	0.00	3.56	1.11	0.00	0.00	0.02	0.00
3.58	1.11	0.00	0.00	0.02	0.00	3.60	1.12	0.00	0.00	0.02	0.00
3.62	1.14	0.00	0.00	0.02	0.00	3.64	1.15	0.00	0.00	0.02	0.00
3.66	1.17	0.00	0.00	0.02	0.00	3.68	1.20	0.00	0.00	0.02	0.00
3.70	1.22	0.00	0.00	0.02	0.00	3.72	1.24	0.00	0.00	0.02	0.00
3.74	1.23	0.00	0.00	0.02	0.00	3.76	1.27	0.00	0.00	0.02	0.00
3.78	1.31	0.00	0.00	0.02	0.00	3.80	1.29	0.00	0.00	0.02	0.00
3.82	1.29	0.00	0.00	0.02	0.00	3.84	1.28	0.00	0.00	0.02	0.00
3.86	1.28	0.00	0.00	0.02	0.00	3.88	1.25	0.00	0.00	0.02	0.00
3.90	1.20	0.00	0.00	0.02	0.00	3.92	1.15	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	1.16	0.00	0.00	0.02	0.00	3.96	1.17	0.00	0.00	0.02	0.00
3.98	1.17	0.00	0.00	0.02	0.00	4.00	1.16	0.00	0.00	0.02	0.00
4.02	1.17	0.00	0.00	0.02	0.00	4.04	1.16	0.00	0.00	0.02	0.00
4.06	1.13	0.00	0.00	0.02	0.00	4.08	1.07	0.00	0.00	0.02	0.00
4.10	1.02	0.00	0.00	0.02	0.00	4.12	1.03	0.00	0.00	0.02	0.00
4.14	1.04	0.00	0.00	0.02	0.00	4.16	1.09	0.00	0.00	0.02	0.00
4.18	1.12	0.00	0.00	0.02	0.00	4.20	1.16	0.00	0.00	0.02	0.00
4.22	1.19	0.00	0.00	0.02	0.00	4.24	1.21	0.00	0.00	0.02	0.00
4.26	1.22	0.00	0.00	0.02	0.00	4.28	1.22	0.00	0.00	0.02	0.00
4.30	1.17	0.00	0.00	0.02	0.00	4.32	1.18	0.00	0.00	0.02	0.00
4.34	1.20	0.00	0.00	0.02	0.00	4.36	1.21	0.00	0.00	0.02	0.00
4.38	1.19	0.00	0.00	0.02	0.00	4.40	1.12	0.00	0.00	0.02	0.00
4.42	1.11	0.00	0.00	0.02	0.00	4.44	1.14	0.00	0.00	0.02	0.00
4.46	1.19	0.00	0.00	0.02	0.00	4.48	1.23	0.00	0.00	0.02	0.00
4.50	1.28	0.00	0.00	0.02	0.00	4.52	1.29	0.00	0.00	0.02	0.00
4.54	1.28	0.00	0.00	0.02	0.00	4.56	1.26	0.00	0.00	0.02	0.00
4.58	1.23	0.00	0.00	0.02	0.00	4.60	1.20	0.00	0.00	0.02	0.00
4.62	1.18	0.00	0.00	0.02	0.00	4.64	1.16	0.00	0.00	0.02	0.00
4.66	1.16	0.00	0.00	0.02	0.00	4.68	1.19	0.00	0.00	0.02	0.00
4.70	1.21	0.00	0.00	0.02	0.00	4.72	1.19	0.00	0.00	0.02	0.00
4.74	1.17	0.00	0.00	0.02	0.00	4.76	1.15	0.00	0.00	0.02	0.00
4.78	1.13	0.00	0.00	0.02	0.00	4.80	1.09	0.00	0.00	0.02	0.00
4.82	1.04	0.00	0.00	0.02	0.00	4.84	1.01	0.00	0.00	0.02	0.00
4.86	1.02	0.00	0.00	0.02	0.00	4.88	1.05	0.00	0.00	0.02	0.00
4.90	1.08	0.00	0.00	0.02	0.00	4.92	1.08	0.00	0.00	0.02	0.00
4.94	1.07	0.00	0.00	0.02	0.00	4.96	1.07	0.00	0.00	0.02	0.00
4.98	1.06	0.00	0.00	0.02	0.00	5.00	1.05	0.00	0.00	0.02	0.00
5.02	1.03	0.00	0.00	0.02	0.00	5.04	1.00	0.00	0.00	0.02	0.00
5.06	0.95	0.00	0.00	0.02	0.01	5.08	0.92	0.00	0.00	0.02	0.01
5.10	0.90	0.00	0.00	0.02	0.01	5.12	0.89	0.00	0.00	0.02	0.02
5.14	0.91	0.00	0.00	0.02	0.01	5.16	0.90	0.00	0.00	0.02	0.01
5.18	0.93	0.00	0.00	0.02	0.01	5.20	0.95	0.00	0.00	0.02	0.01
5.22	0.94	0.00	0.00	0.02	0.01	5.24	0.91	0.00	0.00	0.02	0.01
5.26	0.84	0.00	0.00	0.02	0.02	5.28	0.85	0.00	0.00	0.02	0.02
5.30	0.86	0.00	0.00	0.02	0.02	5.32	0.87	0.00	0.00	0.02	0.02
5.34	0.88	0.00	0.00	0.02	0.02	5.36	0.89	0.00	0.00	0.02	0.02
5.38	0.88	0.00	0.00	0.02	0.02	5.40	0.89	0.00	0.00	0.02	0.02
5.42	0.87	0.00	0.00	0.02	0.02	5.44	0.87	0.00	0.00	0.02	0.02
5.46	0.86	0.00	0.00	0.02	0.02	5.48	0.86	0.00	0.00	0.02	0.02
5.50	0.86	0.00	0.00	0.02	0.02	5.52	0.86	0.00	0.00	0.02	0.02
5.54	0.86	0.00	0.00	0.02	0.02	5.56	0.86	0.00	0.00	0.02	0.02
5.58	0.86	0.00	0.00	0.02	0.02	5.60	0.86	0.00	0.00	0.02	0.02
5.62	0.87	0.00	0.00	0.02	0.02	5.64	0.88	0.00	0.00	0.02	0.02
5.66	0.88	0.00	0.00	0.02	0.02	5.68	0.90	0.00	0.00	0.02	0.01
5.70	0.95	0.00	0.00	0.02	0.01	5.72	0.95	0.00	0.00	0.02	0.01
5.74	0.92	0.00	0.00	0.02	0.01	5.76	0.90	0.00	0.00	0.02	0.01
5.78	0.92	0.00	0.00	0.02	0.01	5.80	0.93	0.00	0.00	0.02	0.01
5.82	0.90	0.00	0.00	0.02	0.01	5.84	0.89	0.00	0.00	0.02	0.02
5.86	0.92	0.00	0.00	0.02	0.01	5.88	0.96	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.98	0.00	0.00	0.02	0.00	5.92	0.99	0.00	0.00	0.02	0.00
5.94	1.05	0.00	0.00	0.02	0.00	5.96	1.15	0.00	0.00	0.02	0.00
5.98	1.27	0.00	0.00	0.02	0.00	6.00	1.32	0.00	0.00	0.02	0.00
6.02	1.37	0.00	0.00	0.02	0.00	6.04	1.41	0.00	0.00	0.02	0.00
6.06	1.43	0.00	0.00	0.02	0.00	6.08	1.39	0.00	0.00	0.02	0.00
6.10	1.34	0.00	0.00	0.02	0.00	6.12	1.30	0.00	0.00	0.02	0.00
6.14	1.29	0.00	0.00	0.02	0.00	6.16	1.31	0.00	0.00	0.02	0.00
6.18	1.32	0.00	0.00	0.02	0.00	6.20	1.34	0.00	0.00	0.02	0.00
6.22	1.36	0.00	0.00	0.02	0.00	6.24	1.38	0.00	0.00	0.02	0.00
6.26	1.32	0.00	0.00	0.02	0.00	6.28	1.30	0.00	0.00	0.02	0.00
6.30	1.20	0.00	0.00	0.02	0.00	6.32	1.11	0.00	0.00	0.02	0.00
6.34	1.07	0.00	0.00	0.02	0.00	6.36	0.99	0.00	0.00	0.02	0.00
6.38	0.91	0.00	0.00	0.02	0.01	6.40	0.88	0.00	0.00	0.02	0.02
6.42	0.87	0.00	0.00	0.02	0.02	6.44	0.91	0.00	0.00	0.02	0.01
6.46	0.95	0.00	0.00	0.02	0.01	6.48	0.92	0.00	0.00	0.02	0.01
6.50	0.90	0.00	0.00	0.02	0.01	6.52	0.86	0.00	0.00	0.02	0.02
6.54	0.83	0.00	0.00	0.02	0.02	6.56	0.82	0.00	0.00	0.02	0.02
6.58	0.82	0.00	0.00	0.02	0.02	6.60	0.82	0.00	0.00	0.02	0.02
6.62	0.83	0.00	0.00	0.02	0.02	6.64	0.81	0.00	0.00	0.02	0.02
6.66	0.80	0.00	0.00	0.02	0.03	6.68	0.79	0.00	0.00	0.02	0.03
6.70	0.79	0.00	0.00	0.02	0.03	6.72	0.81	0.00	0.00	0.02	0.03
6.74	0.81	0.00	0.00	0.02	0.03	6.76	0.79	0.00	0.00	0.02	0.03
6.78	0.80	0.00	0.00	0.02	0.03	6.80	0.83	0.00	0.00	0.02	0.02
6.82	0.82	0.00	0.00	0.02	0.02	6.84	0.82	0.00	0.00	0.02	0.02
6.86	0.82	0.00	0.00	0.02	0.02	6.88	0.86	0.00	0.00	0.02	0.02
6.90	0.88	0.00	0.00	0.02	0.02	6.92	0.87	0.00	0.00	0.02	0.02
6.94	0.84	0.00	0.00	0.02	0.02	6.96	0.85	0.00	0.00	0.02	0.02
6.98	0.86	0.00	0.00	0.02	0.02	7.00	0.90	0.00	0.00	0.02	0.01
7.02	0.98	0.00	0.00	0.02	0.00	7.04	1.04	0.00	0.00	0.02	0.00
7.06	1.07	0.00	0.00	0.02	0.00	7.08	1.04	0.00	0.00	0.02	0.00
7.10	1.00	0.00	0.00	0.02	0.00	7.12	0.97	0.00	0.00	0.02	0.00
7.14	0.93	0.00	0.00	0.02	0.01	7.16	0.89	0.00	0.00	0.02	0.01
7.18	0.88	0.00	0.00	0.02	0.02	7.20	0.88	0.00	0.00	0.02	0.02
7.22	0.91	0.00	0.00	0.02	0.01	7.24	0.94	0.00	0.00	0.02	0.01
7.26	0.98	0.00	0.00	0.02	0.00	7.28	1.01	0.00	0.00	0.02	0.00
7.30	0.99	0.00	0.00	0.02	0.00	7.32	0.96	0.00	0.00	0.02	0.01
7.34	0.92	0.00	0.00	0.02	0.01	7.36	0.87	0.00	0.00	0.02	0.02
7.38	0.87	0.00	0.00	0.02	0.02	7.40	0.89	0.00	0.00	0.02	0.01
7.42	0.88	0.00	0.00	0.02	0.01	7.44	0.83	0.00	0.00	0.02	0.02
7.46	0.79	0.00	0.00	0.02	0.03	7.48	0.79	0.00	0.00	0.02	0.03
7.50	0.81	0.00	0.00	0.02	0.02	7.52	0.86	0.00	0.00	0.02	0.02
7.54	0.86	0.00	0.00	0.02	0.02	7.56	0.85	0.00	0.00	0.02	0.02
7.58	0.84	0.00	0.00	0.02	0.02	7.60	0.82	0.00	0.00	0.02	0.02
7.62	0.78	0.00	0.00	0.02	0.03	7.64	0.75	0.00	0.00	0.02	0.03
7.66	0.75	0.00	0.00	0.02	0.03	7.68	0.78	0.00	0.00	0.02	0.03
7.70	0.81	0.00	0.00	0.02	0.02	7.72	0.81	0.00	0.00	0.02	0.02
7.74	0.77	0.00	0.00	0.02	0.03	7.76	0.82	0.00	0.00	0.02	0.02
7.78	0.82	0.00	0.00	0.02	0.02	7.80	0.83	0.00	0.00	0.02	0.02
7.82	0.87	0.00	0.00	0.02	0.02	7.84	0.88	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.85	0.00	0.00	0.02	0.02	7.88	0.82	0.00	0.00	0.02	0.02
7.90	0.75	0.00	0.00	0.02	0.03	7.92	0.76	0.00	0.00	0.02	0.03
7.94	0.78	0.00	0.00	0.02	0.03	7.96	0.79	0.00	0.00	0.02	0.02
7.98	0.80	0.00	0.00	0.02	0.02	8.00	0.80	0.00	0.00	0.02	0.02
8.02	0.82	0.00	0.00	0.02	0.02	8.04	0.84	0.00	0.00	0.02	0.02
8.06	0.89	0.00	0.00	0.02	0.01	8.08	0.93	0.00	0.00	0.02	0.01
8.10	0.94	0.00	0.00	0.02	0.01	8.12	0.93	0.00	0.00	0.02	0.01
8.14	0.92	0.00	0.00	0.02	0.01	8.16	0.88	0.00	0.00	0.02	0.01
8.18	0.85	0.00	0.00	0.02	0.02	8.20	0.82	0.00	0.00	0.02	0.02
8.22	0.80	0.00	0.00	0.02	0.02	8.24	0.76	0.00	0.00	0.02	0.03
8.26	0.75	0.00	0.00	0.02	0.03	8.28	0.77	0.00	0.00	0.02	0.03
8.30	0.83	0.00	0.00	0.02	0.02	8.32	0.89	0.00	0.00	0.02	0.01
8.34	0.91	0.00	0.00	0.02	0.01	8.36	0.87	0.00	0.00	0.02	0.01
8.38	0.89	0.00	0.00	0.02	0.01	8.40	0.92	0.00	0.00	0.02	0.01
8.42	0.94	0.00	0.00	0.02	0.01	8.44	0.92	0.00	0.00	0.02	0.01
8.46	0.90	0.00	0.00	0.02	0.01	8.48	0.88	0.00	0.00	0.02	0.01
8.50	0.90	0.00	0.00	0.02	0.01	8.52	0.91	0.00	0.00	0.02	0.01
8.54	0.92	0.00	0.00	0.02	0.01	8.56	0.93	0.00	0.00	0.02	0.01
8.58	0.92	0.00	0.00	0.02	0.01	8.60	0.92	0.00	0.00	0.02	0.01
8.62	0.90	0.00	0.00	0.02	0.01	8.64	0.90	0.00	0.00	0.02	0.01
8.66	0.89	0.00	0.00	0.02	0.01	8.68	0.87	0.00	0.00	0.02	0.01
8.70	0.85	0.00	0.00	0.02	0.02	8.72	0.84	0.00	0.00	0.02	0.02
8.74	0.87	0.00	0.00	0.02	0.01	8.76	0.91	0.00	0.00	0.02	0.01
8.78	0.93	0.00	0.00	0.02	0.01	8.80	0.94	0.00	0.00	0.02	0.01
8.82	0.94	0.00	0.00	0.02	0.01	8.84	0.93	0.00	0.00	0.02	0.01
8.86	0.93	0.00	0.00	0.02	0.01	8.88	0.91	0.00	0.00	0.02	0.01
8.90	0.87	0.00	0.00	0.02	0.01	8.92	0.79	0.00	0.00	0.02	0.02
8.94	0.77	0.00	0.00	0.02	0.03	8.96	0.82	0.00	0.00	0.02	0.02
8.98	0.85	0.00	0.00	0.02	0.02	9.00	0.87	0.00	0.00	0.02	0.01
9.02	0.87	0.00	0.00	0.02	0.01	9.04	0.85	0.00	0.00	0.02	0.02
9.06	0.90	0.00	0.00	0.02	0.01	9.08	0.96	0.00	0.00	0.02	0.00
9.10	0.97	0.00	0.00	0.02	0.00	9.12	1.00	0.00	0.00	0.02	0.00
9.14	0.98	0.00	0.00	0.02	0.00	9.16	0.95	0.00	0.00	0.02	0.01
9.18	0.92	0.00	0.00	0.02	0.01	9.20	0.90	0.00	0.00	0.02	0.01
9.22	0.89	0.00	0.00	0.02	0.01	9.24	0.85	0.00	0.00	0.02	0.02
9.26	0.77	0.00	0.00	0.02	0.02	9.28	0.76	0.00	0.00	0.02	0.03
9.30	0.80	0.00	0.00	0.02	0.02	9.32	0.83	0.00	0.00	0.02	0.02
9.34	0.83	0.00	0.00	0.02	0.02	9.36	0.87	0.00	0.00	0.02	0.01
9.38	0.95	0.00	0.00	0.02	0.00	9.40	0.95	0.00	0.00	0.02	0.01
9.42	0.92	0.00	0.00	0.02	0.01	9.44	0.86	0.00	0.00	0.02	0.02
9.46	0.82	0.00	0.00	0.02	0.02	9.48	0.81	0.00	0.00	0.02	0.02
9.50	0.80	0.00	0.00	0.02	0.02	9.52	0.79	0.00	0.00	0.02	0.02
9.54	0.76	0.00	0.00	0.02	0.02	9.56	0.73	0.00	0.00	0.02	0.03
9.58	0.75	0.00	0.00	0.02	0.03	9.60	0.77	0.00	0.00	0.02	0.02
9.62	0.79	0.00	0.00	0.02	0.02	9.64	0.82	0.00	0.00	0.02	0.02
9.66	0.85	0.00	0.00	0.02	0.02	9.68	0.86	0.00	0.00	0.02	0.01
9.70	0.86	0.00	0.00	0.02	0.01	9.72	0.84	0.00	0.00	0.02	0.02
9.74	0.83	0.00	0.00	0.02	0.02	9.76	0.80	0.00	0.00	0.02	0.02
9.78	0.82	0.00	0.00	0.02	0.02	9.80	0.86	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.92	0.00	0.00	0.02	0.01	9.84	0.92	0.00	0.00	0.02	0.01
9.86	0.89	0.00	0.00	0.02	0.01	9.88	0.86	0.00	0.00	0.02	0.01
9.90	0.85	0.00	0.00	0.02	0.01	9.92	0.86	0.00	0.00	0.02	0.01
9.94	0.86	0.00	0.00	0.02	0.01	9.96	0.86	0.00	0.00	0.02	0.01
9.98	0.85	0.00	0.00	0.02	0.02	10.00	0.84	0.00	0.00	0.02	0.02
10.02	0.81	0.00	0.00	0.02	0.02	10.04	0.78	0.00	0.00	0.02	0.02
10.06	0.73	0.00	0.00	0.02	0.03	10.08	0.78	0.00	0.00	0.02	0.02
10.10	0.85	0.00	0.00	0.02	0.02	10.12	0.88	0.00	0.00	0.02	0.01
10.14	0.84	0.00	0.00	0.02	0.02	10.16	0.81	0.00	0.00	0.02	0.02
10.18	0.80	0.00	0.00	0.02	0.02	10.20	0.80	0.00	0.00	0.02	0.02
10.22	0.81	0.00	0.00	0.02	0.02	10.24	0.84	0.00	0.00	0.02	0.02
10.26	0.90	0.00	0.00	0.02	0.01	10.28	0.92	0.00	0.00	0.02	0.01
10.30	0.93	0.00	0.00	0.02	0.01	10.32	0.93	0.00	0.00	0.02	0.01
10.34	0.92	0.00	0.00	0.02	0.01	10.36	0.89	0.00	0.00	0.02	0.01
10.38	0.88	0.00	0.00	0.02	0.01	10.40	0.86	0.00	0.00	0.02	0.01
10.42	0.84	0.00	0.00	0.02	0.02	10.44	0.82	0.00	0.00	0.02	0.02
10.46	0.83	0.00	0.00	0.02	0.02	10.48	0.83	0.00	0.00	0.02	0.02
10.50	0.82	0.00	0.00	0.02	0.02	10.52	0.83	0.00	0.00	0.02	0.02
10.54	0.83	0.00	0.00	0.02	0.02	10.56	0.82	0.00	0.00	0.02	0.02
10.58	0.81	0.00	0.00	0.02	0.02	10.60	0.78	0.00	0.00	0.02	0.02
10.62	0.77	0.00	0.00	0.02	0.02	10.64	0.75	0.00	0.00	0.02	0.02
10.66	0.75	0.00	0.00	0.02	0.02	10.68	0.75	0.00	0.00	0.02	0.02
10.70	0.73	0.00	0.00	0.02	0.02	10.72	0.73	0.00	0.00	0.02	0.02
10.74	0.73	0.00	0.00	0.02	0.02	10.76	0.74	0.00	0.00	0.02	0.02
10.78	0.80	0.00	0.00	0.02	0.02	10.80	0.86	0.00	0.00	0.02	0.01
10.82	0.97	0.00	0.00	0.02	0.00	10.84	1.12	0.00	0.00	0.02	0.00
10.86	1.30	0.00	0.00	0.02	0.00	10.88	1.36	0.00	0.00	0.02	0.00
10.90	1.34	0.00	0.00	0.02	0.00	10.92	1.25	0.00	0.00	0.02	0.00
10.94	1.14	0.00	0.00	0.02	0.00	10.96	1.00	0.00	0.00	0.02	0.00
10.98	0.95	0.00	0.00	0.02	0.00	11.00	1.09	0.00	0.00	0.02	0.00
11.02	1.10	0.00	0.00	0.02	0.00	11.04	1.09	0.00	0.00	0.02	0.00
11.06	1.07	0.00	0.00	0.02	0.00	11.08	1.04	0.00	0.00	0.02	0.00
11.10	1.00	0.00	0.00	0.02	0.00	11.12	0.94	0.00	0.00	0.02	0.00
11.14	0.87	0.00	0.00	0.02	0.01	11.16	0.83	0.00	0.00	0.02	0.02
11.18	0.84	0.00	0.00	0.02	0.01	11.20	0.86	0.00	0.00	0.02	0.01
11.22	0.88	0.00	0.00	0.02	0.01	11.24	0.91	0.00	0.00	0.02	0.01
11.26	0.92	0.00	0.00	0.02	0.01	11.28	0.95	0.00	0.00	0.02	0.00
11.30	0.98	0.00	0.00	0.02	0.00	11.32	1.00	0.00	0.00	0.02	0.00
11.34	1.03	0.00	0.00	0.02	0.00	11.36	1.05	0.00	0.00	0.02	0.00
11.38	1.06	0.00	0.00	0.02	0.00	11.40	1.08	0.00	0.00	0.02	0.00
11.42	1.12	0.00	0.00	0.02	0.00	11.44	1.13	0.00	0.00	0.02	0.00
11.46	1.13	0.00	0.00	0.02	0.00	11.48	1.11	0.00	0.00	0.02	0.00
11.50	1.12	0.00	0.00	0.02	0.00	11.52	1.12	0.00	0.00	0.02	0.00
11.54	1.13	0.00	0.00	0.02	0.00	11.56	1.11	0.00	0.00	0.02	0.00
11.58	1.12	0.00	0.00	0.02	0.00	11.60	1.10	0.00	0.00	0.02	0.00
11.62	1.10	0.00	0.00	0.02	0.00	11.64	1.11	0.00	0.00	0.02	0.00
11.66	1.11	0.00	0.00	0.02	0.00	11.68	1.09	0.00	0.00	0.02	0.00
11.70	1.08	0.00	0.00	0.02	0.00	11.72	1.06	0.00	0.00	0.02	0.00
11.74	1.04	0.00	0.00	0.02	0.00	11.76	1.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	0.93	0.00	0.00	0.02	0.01	11.80	0.89	0.00	0.00	0.02	0.01
11.82	0.87	0.00	0.00	0.02	0.01	11.84	0.86	0.00	0.00	0.02	0.01
11.86	0.86	0.00	0.00	0.02	0.01	11.88	0.87	0.00	0.00	0.02	0.01
11.90	0.88	0.00	0.00	0.02	0.01	11.92	0.89	0.00	0.00	0.02	0.01
11.94	0.89	0.00	0.00	0.02	0.01	11.96	0.88	0.00	0.00	0.02	0.01
11.98	0.89	0.00	0.00	0.02	0.01	12.00	0.94	0.00	0.00	0.02	0.00
12.02	1.00	0.00	0.00	0.02	0.00	12.04	1.08	0.00	0.00	0.02	0.00
12.06	1.19	0.00	0.00	0.02	0.00	12.08	1.34	0.00	0.00	0.02	0.00
12.10	1.46	0.00	0.00	0.02	0.00	12.12	1.54	0.00	0.00	0.02	0.00
12.14	1.53	0.00	0.00	0.02	0.00	12.16	1.46	0.00	0.00	0.02	0.00
12.18	1.36	0.00	0.00	0.02	0.00	12.20	1.24	0.00	0.00	0.02	0.00
12.22	1.20	0.00	0.00	0.02	0.00	12.24	1.18	0.00	0.00	0.02	0.00
12.26	1.22	0.00	0.00	0.02	0.00	12.28	1.30	0.00	0.00	0.02	0.00
12.30	1.38	0.00	0.00	0.02	0.00	12.32	1.39	0.00	0.00	0.02	0.00
12.34	1.31	0.00	0.00	0.02	0.00	12.36	1.23	0.00	0.00	0.02	0.00
12.38	1.12	0.00	0.00	0.02	0.00	12.40	1.03	0.00	0.00	0.02	0.00
12.42	0.98	0.00	0.00	0.02	0.00	12.44	1.01	0.00	0.00	0.02	0.00
12.46	1.11	0.00	0.00	0.02	0.00	12.48	1.24	0.00	0.00	0.02	0.00
12.50	1.28	0.00	0.00	0.02	0.00	12.52	1.23	0.00	0.00	0.02	0.00
12.54	1.12	0.00	0.00	0.02	0.00	12.56	1.07	0.00	0.00	0.02	0.00
12.58	1.07	0.00	0.00	0.02	0.00	12.60	1.08	0.00	0.00	0.02	0.00
12.62	1.04	0.00	0.00	0.02	0.00	12.64	1.01	0.00	0.00	0.02	0.00
12.66	0.99	0.00	0.00	0.02	0.00	12.68	0.98	0.00	0.00	0.02	0.00
12.70	0.97	0.00	0.00	0.02	0.00	12.72	0.93	0.00	0.00	0.02	0.00
12.74	0.86	0.00	0.00	0.02	0.01	12.76	0.83	0.00	0.00	0.02	0.01
12.78	0.81	0.00	0.00	0.02	0.01	12.80	0.79	0.00	0.00	0.02	0.02
12.82	0.80	0.00	0.00	0.02	0.01	12.84	0.79	0.00	0.00	0.02	0.02
12.86	0.79	0.00	0.00	0.02	0.02	12.88	0.79	0.00	0.00	0.02	0.02
12.90	0.80	0.00	0.00	0.02	0.01	12.92	0.80	0.00	0.00	0.02	0.01
12.94	0.80	0.00	0.00	0.02	0.01	12.96	0.80	0.00	0.00	0.02	0.01
12.98	0.84	0.00	0.00	0.02	0.01	13.00	0.89	0.00	0.00	0.02	0.01
13.02	0.93	0.00	0.00	0.02	0.00	13.04	0.93	0.00	0.00	0.02	0.00
13.06	0.94	0.00	0.00	0.02	0.00	13.08	0.89	0.00	0.00	0.02	0.01
13.10	0.89	0.00	0.00	0.02	0.01	13.12	0.93	0.00	0.00	0.02	0.01
13.14	0.94	0.00	0.00	0.02	0.00	13.16	0.97	0.00	0.00	0.02	0.00
13.18	0.98	0.00	0.00	0.02	0.00	13.20	0.99	0.00	0.00	0.02	0.00
13.22	0.99	0.00	0.00	0.02	0.00	13.24	1.04	0.00	0.00	0.02	0.00
13.26	1.00	0.00	0.00	0.02	0.00	13.28	0.88	0.00	0.00	0.02	0.01
13.30	1.04	0.00	0.00	0.02	0.00	13.32	1.15	0.00	0.00	0.02	0.00
13.34	1.16	0.00	0.00	0.02	0.00	13.36	1.11	0.00	0.00	0.02	0.00
13.38	1.06	0.00	0.00	0.02	0.00	13.40	1.00	0.00	0.00	0.02	0.00
13.42	0.95	0.00	0.00	0.02	0.00	13.44	0.91	0.00	0.00	0.02	0.01
13.46	0.90	0.00	0.00	0.02	0.01	13.48	0.92	0.00	0.00	0.02	0.01
13.50	0.93	0.00	0.00	0.02	0.00	13.52	0.95	0.00	0.00	0.02	0.00
13.54	1.00	0.00	0.00	0.02	0.00	13.56	1.09	0.00	0.00	0.02	0.00
13.58	1.19	0.00	0.00	0.02	0.00	13.60	1.28	0.00	0.00	0.02	0.00
13.62	1.34	0.00	0.00	0.02	0.00	13.64	1.35	0.00	0.00	0.02	0.00
13.66	1.22	0.00	0.00	0.02	0.00	13.68	1.22	0.00	0.00	0.02	0.00
13.70	1.25	0.00	0.00	0.02	0.00	13.72	1.46	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	1.84	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	1.93	0.00	0.00	0.02	0.00
14.02	1.72	0.00	0.00	0.02	0.00	14.04	1.75	0.00	0.00	0.02	0.00
14.06	1.88	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	1.80	0.00	0.00	0.02	0.00
14.14	1.58	0.00	0.00	0.02	0.00	14.16	1.56	0.00	0.00	0.02	0.00
14.18	1.64	0.00	0.00	0.02	0.00	14.20	1.73	0.00	0.00	0.02	0.00
14.22	1.75	0.00	0.00	0.02	0.00	14.24	1.77	0.00	0.00	0.02	0.00
14.26	1.68	0.00	0.00	0.02	0.00	14.28	1.57	0.00	0.00	0.02	0.00
14.30	1.56	0.00	0.00	0.02	0.00	14.32	1.56	0.00	0.00	0.02	0.00
14.34	1.59	0.00	0.00	0.02	0.00	14.36	1.58	0.00	0.00	0.02	0.00
14.38	1.53	0.00	0.00	0.02	0.00	14.40	1.40	0.00	0.00	0.02	0.00
14.42	1.34	0.00	0.00	0.02	0.00	14.44	1.34	0.00	0.00	0.02	0.00
14.46	1.32	0.00	0.00	0.02	0.00	14.48	1.32	0.00	0.00	0.02	0.00
14.50	1.34	0.00	0.00	0.02	0.00	14.52	1.27	0.00	0.00	0.02	0.00
14.54	1.20	0.00	0.00	0.02	0.00	14.56	1.09	0.00	0.00	0.02	0.00
14.58	1.00	0.00	0.00	0.02	0.00	14.60	0.94	0.00	0.00	0.02	0.00
14.62	0.94	0.00	0.00	0.02	0.00	14.64	0.99	0.00	0.00	0.02	0.00
14.66	1.06	0.00	0.00	0.02	0.00	14.68	1.10	0.00	0.00	0.02	0.00
14.70	1.17	0.00	0.00	0.02	0.00	14.72	1.30	0.00	0.00	0.02	0.00
14.74	1.41	0.00	0.00	0.02	0.00	14.76	1.42	0.00	0.00	0.02	0.00
14.78	1.39	0.00	0.00	0.02	0.00	14.80	1.32	0.00	0.00	0.02	0.00
14.82	1.31	0.00	0.00	0.02	0.00	14.84	1.37	0.00	0.00	0.02	0.00
14.86	1.45	0.00	0.00	0.02	0.00	14.88	1.49	0.00	0.00	0.02	0.00
14.90	1.61	0.00	0.00	0.02	0.00	14.92	1.64	0.00	0.00	0.02	0.00
14.94	1.62	0.00	0.00	0.02	0.00	14.96	1.64	0.00	0.00	0.02	0.00
14.98	1.64	0.00	0.00	0.02	0.00	15.00	1.62	0.00	0.00	0.02	0.00
15.02	1.56	0.00	0.00	0.02	0.00	15.04	1.47	0.00	0.00	0.02	0.00
15.06	1.43	0.00	0.00	0.02	0.00	15.08	1.39	0.00	0.00	0.02	0.00
15.10	1.51	0.00	0.00	0.02	0.00	15.12	1.69	0.00	0.00	0.02	0.00
15.14	1.82	0.00	0.00	0.02	0.00	15.16	1.98	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	1.98	0.00	0.00	0.02	0.00
15.82	1.96	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	1.98	0.00	0.00	0.02	0.00
16.66	1.79	0.00	0.00	0.02	0.00	16.68	1.76	0.00	0.00	0.02	0.00
16.70	1.60	0.00	0.00	0.02	0.00	16.72	1.52	0.00	0.00	0.02	0.00
16.74	1.48	0.00	0.00	0.02	0.00	16.76	1.49	0.00	0.00	0.02	0.00
16.78	1.52	0.00	0.00	0.02	0.00	16.80	1.55	0.00	0.00	0.02	0.00
16.82	1.44	0.00	0.00	0.02	0.00	16.84	1.28	0.00	0.00	0.02	0.00
16.86	1.17	0.00	0.00	0.02	0.00	16.88	1.11	0.00	0.00	0.02	0.00
16.90	1.08	0.00	0.00	0.02	0.00	16.92	1.07	0.00	0.00	0.02	0.00
16.94	1.06	0.00	0.00	0.02	0.00	16.96	1.04	0.00	0.00	0.02	0.00
16.98	1.03	0.00	0.00	0.02	0.00	17.00	1.05	0.00	0.00	0.02	0.00
17.02	1.06	0.00	0.00	0.02	0.00	17.04	1.06	0.00	0.00	0.02	0.00
17.06	1.10	0.00	0.00	0.02	0.00	17.08	1.10	0.00	0.00	0.02	0.00
17.10	1.06	0.00	0.00	0.02	0.00	17.12	1.02	0.00	0.00	0.02	0.00
17.14	1.00	0.00	0.00	0.02	0.00	17.16	0.98	0.00	0.00	0.02	0.00
17.18	0.98	0.00	0.00	0.02	0.00	17.20	0.98	0.00	0.00	0.02	0.00
17.22	1.03	0.00	0.00	0.02	0.00	17.24	1.09	0.00	0.00	0.02	0.00
17.26	1.13	0.00	0.00	0.02	0.00	17.28	1.23	0.00	0.00	0.02	0.00
17.30	1.08	0.00	0.00	0.02	0.00	17.32	1.00	0.00	0.00	0.02	0.00
17.34	0.96	0.00	0.00	0.02	0.00	17.36	0.98	0.00	0.00	0.02	0.00
17.38	1.01	0.00	0.00	0.02	0.00	17.40	1.03	0.00	0.00	0.02	0.00
17.42	1.03	0.00	0.00	0.02	0.00	17.44	1.06	0.00	0.00	0.02	0.00
17.46	1.09	0.00	0.00	0.02	0.00	17.48	1.12	0.00	0.00	0.02	0.00
17.50	1.14	0.00	0.00	0.02	0.00	17.52	1.20	0.00	0.00	0.02	0.00
17.54	1.29	0.00	0.00	0.02	0.00	17.56	1.30	0.00	0.00	0.02	0.00
17.58	1.25	0.00	0.00	0.02	0.00	17.60	1.20	0.00	0.00	0.02	0.00
17.62	1.16	0.00	0.00	0.02	0.00	17.64	1.15	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	1.16	0.00	0.00	0.02	0.00	17.68	1.18	0.00	0.00	0.02	0.00
17.70	1.21	0.00	0.00	0.02	0.00	17.72	1.21	0.00	0.00	0.02	0.00
17.74	1.18	0.00	0.00	0.02	0.00	17.76	1.16	0.00	0.00	0.02	0.00
17.78	1.14	0.00	0.00	0.02	0.00	17.80	1.15	0.00	0.00	0.02	0.00
17.82	1.15	0.00	0.00	0.02	0.00	17.84	1.16	0.00	0.00	0.02	0.00
17.86	1.16	0.00	0.00	0.02	0.00	17.88	1.18	0.00	0.00	0.02	0.00
17.90	1.19	0.00	0.00	0.02	0.00	17.92	1.19	0.00	0.00	0.02	0.00
17.94	1.21	0.00	0.00	0.02	0.00	17.96	1.21	0.00	0.00	0.02	0.00
17.98	1.22	0.00	0.00	0.02	0.00	18.00	1.22	0.00	0.00	0.02	0.00
18.02	1.18	0.00	0.00	0.02	0.00	18.04	1.16	0.00	0.00	0.02	0.00
18.06	1.14	0.00	0.00	0.02	0.00	18.08	1.15	0.00	0.00	0.02	0.00
18.10	1.13	0.00	0.00	0.02	0.00	18.12	1.09	0.00	0.00	0.02	0.00
18.14	1.09	0.00	0.00	0.02	0.00	18.16	1.09	0.00	0.00	0.02	0.00
18.18	1.10	0.00	0.00	0.02	0.00	18.20	1.10	0.00	0.00	0.02	0.00
18.22	1.10	0.00	0.00	0.02	0.00	18.24	1.10	0.00	0.00	0.02	0.00
18.26	1.12	0.00	0.00	0.02	0.00	18.28	1.15	0.00	0.00	0.02	0.00
18.30	1.13	0.00	0.00	0.02	0.00	18.32	1.12	0.00	0.00	0.02	0.00
18.34	1.14	0.00	0.00	0.02	0.00	18.36	1.17	0.00	0.00	0.02	0.00
18.38	1.17	0.00	0.00	0.02	0.00	18.40	1.22	0.00	0.00	0.02	0.00
18.42	1.21	0.00	0.00	0.02	0.00	18.44	1.16	0.00	0.00	0.02	0.00
18.46	1.12	0.00	0.00	0.02	0.00	18.48	1.11	0.00	0.00	0.02	0.00
18.50	1.12	0.00	0.00	0.02	0.00	18.52	1.14	0.00	0.00	0.02	0.00
18.54	1.14	0.00	0.00	0.02	0.00	18.56	1.12	0.00	0.00	0.02	0.00
18.58	1.12	0.00	0.00	0.02	0.00	18.60	1.12	0.00	0.00	0.02	0.00
18.62	1.16	0.00	0.00	0.02	0.00	18.64	1.18	0.00	0.00	0.02	0.00
18.66	1.17	0.00	0.00	0.02	0.00	18.68	1.15	0.00	0.00	0.02	0.00
18.70	1.11	0.00	0.00	0.02	0.00	18.72	1.14	0.00	0.00	0.02	0.00
18.74	1.20	0.00	0.00	0.02	0.00	18.76	1.25	0.00	0.00	0.02	0.00
18.78	1.23	0.00	0.00	0.02	0.00	18.80	1.17	0.00	0.00	0.02	0.00
18.82	1.11	0.00	0.00	0.02	0.00	18.84	1.19	0.00	0.00	0.02	0.00
18.86	1.29	0.00	0.00	0.02	0.00	18.88	1.28	0.00	0.00	0.02	0.00
18.90	1.25	0.00	0.00	0.02	0.00	18.92	1.18	0.00	0.00	0.02	0.00
18.94	1.13	0.00	0.00	0.02	0.00	18.96	1.12	0.00	0.00	0.02	0.00
18.98	1.12	0.00	0.00	0.02	0.00	19.00	1.11	0.00	0.00	0.02	0.00
19.02	1.10	0.00	0.00	0.02	0.00	19.04	1.09	0.00	0.00	0.02	0.00
19.06	1.10	0.00	0.00	0.02	0.00	19.08	1.10	0.00	0.00	0.02	0.00
19.10	1.14	0.00	0.00	0.02	0.00	19.12	1.20	0.00	0.00	0.02	0.00
19.14	1.24	0.00	0.00	0.02	0.00	19.16	1.25	0.00	0.00	0.02	0.00
19.18	1.20	0.00	0.00	0.02	0.00	19.20	1.15	0.00	0.00	0.02	0.00
19.22	1.11	0.00	0.00	0.02	0.00	19.24	1.10	0.00	0.00	0.02	0.00
19.26	1.10	0.00	0.00	0.02	0.00	19.28	1.10	0.00	0.00	0.02	0.00
19.30	1.14	0.00	0.00	0.02	0.00	19.32	1.21	0.00	0.00	0.02	0.00
19.34	1.26	0.00	0.00	0.02	0.00	19.36	1.29	0.00	0.00	0.02	0.00
19.38	1.30	0.00	0.00	0.02	0.00	19.40	1.30	0.00	0.00	0.02	0.00
19.42	1.25	0.00	0.00	0.02	0.00	19.44	1.22	0.00	0.00	0.02	0.00
19.46	1.21	0.00	0.00	0.02	0.00	19.48	1.23	0.00	0.00	0.02	0.00
19.50	1.38	0.00	0.00	0.02	0.00	19.52	1.47	0.00	0.00	0.02	0.00
19.54	1.47	0.00	0.00	0.02	0.00	19.56	1.31	0.00	0.00	0.02	0.00
19.58	1.29	0.00	0.00	0.02	0.00	19.60	1.47	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.65	0.00	0.00	0.02	0.00	19.64	1.67	0.00	0.00	0.02	0.00
19.66	1.58	0.00	0.00	0.02	0.00	19.68	1.42	0.00	0.00	0.02	0.00
19.70	1.27	0.00	0.00	0.02	0.00	19.72	1.18	0.00	0.00	0.02	0.00
19.74	1.30	0.00	0.00	0.02	0.00	19.76	1.18	0.00	0.00	0.02	0.00
19.78	1.14	0.00	0.00	0.02	0.00	19.80	1.11	0.00	0.00	0.02	0.00
19.82	1.13	0.00	0.00	0.02	0.00	19.84	1.09	0.00	0.00	0.02	0.00
19.86	1.05	0.00	0.00	0.02	0.00	19.88	1.12	0.00	0.00	0.02	0.00
19.90	1.31	0.00	0.00	0.02	0.00	19.92	1.52	0.00	0.00	0.02	0.00
19.94	1.75	0.00	0.00	0.02	0.00	19.96	1.97	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

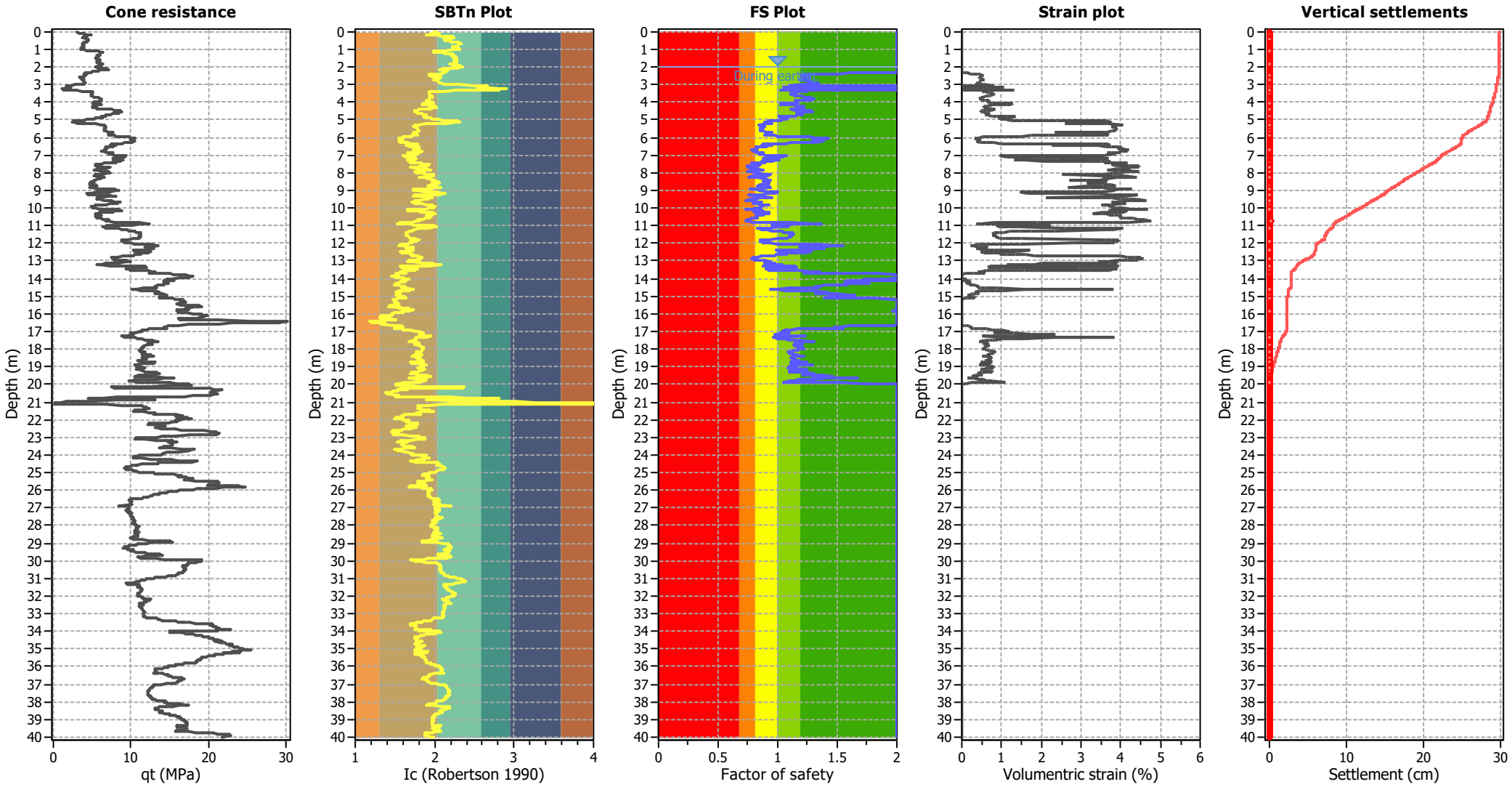
Overall liquefaction potential: 4.78

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.99	49.16	1.00	49.16	10	32681	0.10	0.000	0.00	3.58	0.00	0.000
0.04	2.00	50.18	1.31	65.79	14	34074	0.10	0.000	0.00	3.58	0.00	0.000
0.06	2.02	51.21	1.32	67.77	14	35403	0.10	0.000	0.00	3.58	0.00	0.000
0.08	2.03	56.79	1.34	75.86	16	39912	0.10	0.000	0.00	3.58	0.00	0.000
0.10	2.06	57.56	1.37	78.69	17	41966	0.10	0.000	0.00	3.58	0.00	0.000
0.12	1.99	58.21	1.30	75.62	16	38806	0.10	0.000	0.00	3.58	0.00	0.000
0.14	1.96	67.85	1.28	86.84	18	43785	0.10	0.001	0.00	3.58	0.00	0.000
0.16	1.91	72.17	1.24	89.60	18	43307	0.10	0.001	0.00	3.58	0.00	0.000
0.18	1.89	78.00	1.23	95.86	19	45721	0.10	0.001	0.00	3.58	0.00	0.000
0.20	1.96	80.67	1.28	103.09	21	51867	0.09	0.001	0.00	3.58	0.00	0.000
0.22	2.02	75.47	1.33	100.14	21	52425	0.09	0.001	0.00	3.58	0.00	0.000
0.24	2.09	72.95	1.40	102.20	22	55022	0.09	0.001	0.00	3.58	0.00	0.000
0.26	2.17	68.40	1.55	106.01	24	57453	0.09	0.001	0.00	3.58	0.00	0.000
0.28	2.18	68.56	1.56	106.83	24	57866	0.09	0.001	0.00	3.58	0.00	0.000
0.30	2.23	65.86	1.68	110.73	25	59166	0.09	0.001	0.00	3.58	0.00	0.000
0.32	2.23	66.36	1.71	113.30	26	60314	0.09	0.001	0.00	3.58	0.00	0.000
0.34	2.25	64.33	1.76	113.20	26	59768	0.09	0.001	0.00	3.58	0.00	0.000
0.36	2.24	65.19	1.72	112.25	26	59620	0.09	0.001	0.00	3.58	0.00	0.000
0.38	2.18	67.68	1.58	106.60	24	57665	0.09	0.001	0.00	3.58	0.00	0.000
0.40	2.13	72.75	1.46	106.39	23	57718	0.09	0.001	0.00	3.58	0.00	0.000
0.42	2.11	74.08	1.44	106.50	23	57664	0.09	0.001	0.00	3.58	0.00	0.000
0.44	2.11	74.89	1.43	107.35	23	58095	0.09	0.001	0.00	3.58	0.00	0.000
0.46	2.12	74.74	1.44	107.79	23	58392	0.09	0.001	0.00	3.58	0.00	0.000
0.48	2.13	75.25	1.46	110.07	24	59716	0.09	0.001	0.00	3.58	0.00	0.000
0.50	2.18	72.04	1.57	112.80	25	61067	0.09	0.001	0.00	3.58	0.00	0.000
0.52	2.20	72.40	1.61	116.67	26	62893	0.09	0.001	0.00	3.58	0.00	0.000
0.54	2.21	73.22	1.64	119.83	27	64410	0.08	0.001	0.00	3.58	0.00	0.000
0.56	2.21	73.39	1.64	120.42	27	64694	0.08	0.001	0.00	3.58	0.00	0.000
0.58	2.23	72.90	1.68	122.56	28	65489	0.08	0.002	0.00	3.58	0.00	0.000
0.60	2.27	68.99	1.81	124.88	29	65384	0.09	0.002	0.00	3.58	0.00	0.000
0.62	2.30	65.47	1.94	127.12	30	65008	0.09	0.002	0.00	3.58	0.00	0.000
0.64	2.34	62.28	2.09	130.08	31	64722	0.09	0.002	0.00	3.58	0.00	0.000
0.66	2.34	62.26	2.10	130.67	31	64889	0.09	0.002	0.00	3.58	0.00	0.000
0.68	2.32	64.78	1.99	128.87	31	65318	0.09	0.002	0.00	3.58	0.00	0.000
0.70	2.30	65.48	1.94	126.95	30	64950	0.09	0.002	0.00	3.58	0.00	0.000
0.72	2.29	65.95	1.90	125.35	29	64583	0.09	0.002	0.00	3.58	0.00	0.000
0.74	2.29	65.12	1.90	123.80	29	63779	0.09	0.002	0.00	3.58	0.00	0.000
0.76	2.30	63.76	1.94	123.60	29	63241	0.09	0.002	0.00	3.58	0.00	0.000
0.78	2.30	63.74	1.93	123.07	29	63059	0.09	0.002	0.00	3.58	0.00	0.000
0.80	2.30	63.76	1.92	122.34	29	62824	0.09	0.002	0.00	3.58	0.00	0.000
0.82	2.28	64.42	1.86	119.52	28	62083	0.09	0.002	0.00	3.58	0.00	0.000
0.84	2.26	65.42	1.79	116.84	27	61426	0.09	0.002	0.00	3.58	0.00	0.000
0.86	2.24	66.78	1.71	114.49	26	60879	0.09	0.002	0.00	3.58	0.00	0.000
0.88	2.22	67.59	1.67	113.09	26	60498	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.23	66.91	1.68	112.47	26	60100	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.25	63.88	1.76	112.67	26	59451	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.27	61.86	1.83	113.45	26	59154	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.29	60.17	1.90	114.63	27	59013	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.31	60.03	1.96	117.62	28	59951	0.09	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.31	60.52	1.96	118.75	28	60495	0.09	0.003	0.00	3.58	0.00	0.000
1.02	2.30	61.68	1.91	117.90	28	60624	0.09	0.003	0.00	3.58	0.00	0.000
1.04	2.25	65.72	1.76	115.53	27	61016	0.09	0.003	0.00	3.58	0.00	0.000
1.06	2.13	72.09	1.47	106.01	23	57530	0.09	0.003	0.00	3.58	0.00	0.000
1.08	2.07	81.16	1.37	111.38	24	59515	0.08	0.003	0.00	3.58	0.00	0.000
1.10	2.02	88.50	1.32	117.22	25	61271	0.08	0.003	0.00	3.58	0.00	0.000
1.12	1.98	96.72	1.29	125.18	26	63968	0.08	0.003	0.00	3.58	0.00	0.000
1.14	1.99	100.59	1.30	130.47	27	66842	0.08	0.003	0.00	3.58	0.00	0.000
1.16	2.01	104.26	1.31	137.03	29	71145	0.08	0.003	0.00	3.58	0.00	0.000
1.18	2.04	105.75	1.35	142.30	30	75235	0.07	0.003	0.00	3.58	0.00	0.000
1.20	2.10	101.73	1.43	145.01	31	78400	0.07	0.003	0.00	3.58	0.00	0.000
1.22	2.14	101.37	1.49	151.02	33	81994	0.07	0.003	0.00	3.58	0.00	0.000
1.24	2.19	99.70	1.58	157.98	35	85390	0.07	0.003	0.00	3.58	0.00	0.000
1.26	2.20	100.69	1.62	163.36	37	87955	0.07	0.002	0.00	3.58	0.00	0.000
1.28	2.23	99.84	1.69	168.23	38	89845	0.07	0.002	0.00	3.58	0.00	0.000
1.30	2.23	101.35	1.70	172.19	39	91778	0.07	0.002	0.00	3.58	0.00	0.000
1.32	2.21	96.59	1.65	159.22	36	85455	0.07	0.003	0.00	3.58	0.00	0.000
1.34	2.20	99.79	1.61	160.76	36	86666	0.07	0.003	0.00	3.58	0.00	0.000
1.36	2.24	94.24	1.74	163.68	38	86737	0.07	0.003	0.00	3.58	0.00	0.000
1.38	2.24	95.23	1.74	165.29	38	87607	0.07	0.003	0.00	3.58	0.00	0.000
1.40	2.24	96.41	1.72	166.05	38	88195	0.07	0.003	0.00	3.58	0.00	0.000
1.42	2.23	98.74	1.69	166.76	38	89014	0.07	0.003	0.00	3.58	0.00	0.000
1.44	2.24	96.74	1.74	167.84	39	88971	0.07	0.003	0.00	3.58	0.00	0.000
1.46	2.26	95.05	1.79	169.84	39	89273	0.07	0.003	0.00	3.58	0.00	0.000
1.48	2.28	92.33	1.86	171.58	40	89077	0.07	0.003	0.00	3.58	0.00	0.000
1.50	2.28	93.18	1.86	173.72	41	90088	0.07	0.003	0.00	3.58	0.00	0.000
1.52	2.28	93.17	1.87	174.06	41	90203	0.07	0.003	0.00	3.58	0.00	0.000
1.54	2.28	93.16	1.86	173.38	40	89966	0.07	0.003	0.00	3.58	0.00	0.000
1.56	2.27	94.99	1.82	172.69	40	90288	0.07	0.003	0.00	3.58	0.00	0.000
1.58	2.27	95.65	1.81	172.99	40	90596	0.07	0.003	0.00	3.58	0.00	0.000
1.60	2.24	99.54	1.73	172.15	40	91336	0.07	0.003	0.00	3.58	0.00	0.000
1.62	2.28	94.48	1.84	174.02	41	90605	0.07	0.003	0.00	3.58	0.00	0.000
1.64	2.27	95.33	1.83	174.86	41	91164	0.07	0.003	0.00	3.58	0.00	0.000
1.66	2.27	96.49	1.82	175.36	41	91693	0.07	0.003	0.00	3.58	0.00	0.000
1.68	2.26	97.49	1.79	174.81	40	91790	0.07	0.003	0.00	3.58	0.00	0.000
1.70	2.25	100.00	1.74	174.09	40	92193	0.07	0.003	0.00	3.58	0.00	0.000
1.72	2.25	99.51	1.74	173.46	40	91831	0.07	0.003	0.00	3.58	0.00	0.000
1.74	2.27	95.60	1.82	173.73	40	90845	0.07	0.003	0.00	3.58	0.00	0.000
1.76	2.27	96.45	1.81	174.32	40	91308	0.07	0.003	0.00	3.58	0.00	0.000
1.78	2.27	95.25	1.83	174.68	41	91075	0.07	0.003	0.00	3.58	0.00	0.000
1.80	2.25	99.12	1.75	173.20	40	91630	0.07	0.003	0.00	3.58	0.00	0.000
1.82	2.18	105.98	1.58	167.15	37	90407	0.07	0.004	0.00	3.58	0.00	0.000
1.84	2.18	106.67	1.57	167.22	37	90513	0.07	0.004	0.00	3.58	0.00	0.000
1.86	2.23	102.12	1.69	172.75	39	92173	0.07	0.004	0.00	3.58	0.00	0.000
1.88	2.23	104.29	1.68	175.62	40	93806	0.07	0.004	0.00	3.58	0.00	0.000
1.90	2.24	103.78	1.72	178.38	41	94792	0.07	0.004	0.00	3.58	0.00	0.000
1.92	2.27	100.76	1.83	184.66	43	96303	0.07	0.004	0.00	3.58	0.00	0.000
1.94	2.31	96.55	1.97	190.50	45	96854	0.07	0.004	0.00	3.58	0.00	0.000
1.96	2.33	95.04	2.03	192.95	46	97059	0.07	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.35	90.66	2.15	194.94	47	95880	0.08	0.004	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	148.50	2.00	0.00	1.00	0.00	2.02	148.42	2.00	0.00	1.00	0.00
2.04	152.46	2.00	0.00	1.00	0.00	2.06	153.81	2.00	0.00	1.00	0.00
2.08	153.95	2.00	0.00	1.00	0.00	2.10	155.84	2.00	0.00	1.00	0.00
2.12	156.73	2.00	0.00	1.00	0.00	2.14	157.05	2.00	0.00	1.00	0.00
2.16	154.43	2.00	0.00	1.00	0.00	2.18	149.91	2.00	0.00	1.00	0.00
2.20	145.57	2.00	0.00	1.00	0.00	2.22	143.24	2.00	0.00	1.00	0.00
2.24	140.28	2.00	0.00	1.00	0.00	2.26	135.47	2.00	0.00	1.00	0.00
2.28	131.16	2.00	0.00	1.00	0.00	2.30	125.18	2.00	0.00	1.00	0.00
2.32	119.46	1.82	0.07	1.00	0.00	2.34	114.09	1.66	0.14	1.00	0.00
2.36	112.54	1.61	0.16	1.00	0.00	2.38	108.59	1.52	0.22	1.00	0.00
2.40	102.14	1.39	0.31	1.00	0.01	2.42	96.20	1.28	0.40	1.00	0.01
2.44	92.06	1.22	0.48	1.00	0.01	2.46	91.02	1.20	0.51	1.00	0.01
2.48	90.96	1.20	0.52	1.00	0.01	2.50	90.95	1.19	0.53	1.00	0.01
2.52	91.45	1.19	0.53	1.00	0.01	2.54	93.78	1.22	0.49	1.00	0.01
2.56	95.99	1.25	0.45	1.00	0.01	2.58	97.23	1.26	0.44	1.00	0.01
2.60	97.43	1.26	0.44	1.00	0.01	2.62	98.21	1.27	0.43	1.00	0.01
2.64	96.86	1.25	0.47	1.00	0.01	2.66	96.31	1.23	0.48	1.00	0.01
2.68	94.94	1.21	0.52	1.00	0.01	2.70	93.69	1.19	0.55	1.00	0.01
2.72	93.59	1.19	0.57	1.00	0.01	2.74	93.99	1.19	0.56	1.00	0.01
2.76	95.56	1.21	0.53	1.00	0.01	2.78	97.88	1.24	0.49	1.00	0.01
2.80	99.60	1.26	0.46	1.00	0.01	2.82	99.99	1.26	0.46	1.00	0.01
2.84	100.57	1.27	0.45	1.00	0.01	2.86	101.47	1.28	0.44	1.00	0.01
2.88	102.13	1.29	0.43	1.00	0.01	2.90	103.25	1.30	0.42	1.00	0.01
2.92	104.91	1.33	0.39	1.00	0.01	2.94	105.59	1.34	0.38	1.00	0.01
2.96	105.94	1.34	0.38	1.00	0.01	2.98	105.00	1.32	0.40	1.00	0.01
3.00	102.52	1.27	0.45	1.00	0.01	3.02	98.40	1.21	0.55	1.00	0.01
3.04	90.86	1.10	0.81	1.00	0.02	3.06	25.59	2.00	0.00	1.00	0.00
3.08	27.24	2.00	0.00	1.00	0.00	3.10	28.88	2.00	0.00	1.00	0.00
3.12	90.05	1.08	0.90	1.00	0.02	3.14	91.04	1.09	0.86	1.00	0.02
3.16	88.19	1.05	1.05	1.00	0.02	3.18	27.03	2.00	0.00	1.00	0.00
3.20	19.74	2.00	0.00	1.00	0.00	3.22	17.54	2.00	0.00	1.00	0.00
3.24	18.94	2.00	0.00	1.00	0.00	3.26	21.63	2.00	0.00	1.00	0.00
3.28	22.45	2.00	0.00	1.00	0.00	3.30	19.42	2.00	0.00	1.00	0.00
3.32	86.99	1.02	1.32	1.00	0.03	3.34	97.10	1.14	0.69	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	102.36	1.22	0.54	1.00	0.01	3.38	103.69	1.24	0.52	1.00	0.01
3.40	101.51	1.20	0.58	1.00	0.01	3.42	99.60	1.17	0.64	1.00	0.01
3.44	100.19	1.18	0.62	1.00	0.01	3.46	99.31	1.16	0.66	1.00	0.01
3.48	98.10	1.14	0.71	1.00	0.01	3.50	96.53	1.12	0.77	1.00	0.02
3.52	95.86	1.11	0.81	1.00	0.02	3.54	96.15	1.11	0.80	1.00	0.02
3.56	96.28	1.11	0.81	1.00	0.02	3.58	96.52	1.11	0.80	1.00	0.02
3.60	97.29	1.12	0.78	1.00	0.02	3.62	98.98	1.14	0.72	1.00	0.01
3.64	99.81	1.15	0.69	1.00	0.01	3.66	101.48	1.17	0.64	1.00	0.01
3.68	103.56	1.20	0.58	1.00	0.01	3.70	105.00	1.22	0.55	1.00	0.01
3.72	106.06	1.24	0.52	1.00	0.01	3.74	105.65	1.23	0.54	1.00	0.01
3.76	107.92	1.27	0.48	1.00	0.01	3.78	110.17	1.31	0.43	1.00	0.01
3.80	109.57	1.29	0.45	1.00	0.01	3.82	109.23	1.29	0.46	1.00	0.01
3.84	109.25	1.28	0.46	1.00	0.01	3.86	108.94	1.28	0.47	1.00	0.01
3.88	107.36	1.25	0.51	1.00	0.01	3.90	104.38	1.20	0.60	1.00	0.01
3.92	101.64	1.15	0.69	1.00	0.01	3.94	102.15	1.16	0.68	1.00	0.01
3.96	103.09	1.17	0.65	1.00	0.01	3.98	103.17	1.17	0.65	1.00	0.01
4.00	102.65	1.16	0.68	1.00	0.01	4.02	103.23	1.17	0.66	1.00	0.01
4.04	102.81	1.16	0.68	1.00	0.01	4.06	100.66	1.13	0.76	1.00	0.02
4.08	96.24	1.07	1.00	1.00	0.02	4.10	92.93	1.02	1.28	1.00	0.03
4.12	93.27	1.03	1.25	1.00	0.03	4.14	94.67	1.04	1.14	1.00	0.02
4.16	98.87	1.09	0.87	1.00	0.02	4.18	100.99	1.12	0.78	1.00	0.02
4.20	103.53	1.16	0.68	1.00	0.01	4.22	105.37	1.19	0.63	1.00	0.01
4.24	107.13	1.21	0.57	1.00	0.01	4.26	107.72	1.22	0.56	1.00	0.01
4.28	107.76	1.22	0.56	1.00	0.01	4.30	104.43	1.17	0.67	1.00	0.01
4.32	105.48	1.18	0.64	1.00	0.01	4.34	106.97	1.20	0.59	1.00	0.01
4.36	107.63	1.21	0.58	1.00	0.01	4.38	106.52	1.19	0.61	1.00	0.01
4.40	101.81	1.12	0.79	1.00	0.02	4.42	101.00	1.11	0.83	1.00	0.02
4.44	103.54	1.14	0.73	1.00	0.01	4.46	106.64	1.19	0.62	1.00	0.01
4.48	109.29	1.23	0.54	1.00	0.01	4.50	111.65	1.28	0.48	1.00	0.01
4.52	112.31	1.29	0.47	1.00	0.01	4.54	112.17	1.28	0.47	1.00	0.01
4.56	110.89	1.26	0.51	1.00	0.01	4.58	109.25	1.23	0.55	1.00	0.01
4.60	107.64	1.20	0.60	1.00	0.01	4.62	106.56	1.18	0.64	1.00	0.01
4.64	105.24	1.16	0.69	1.00	0.01	4.66	105.14	1.16	0.70	1.00	0.01
4.68	107.36	1.19	0.62	1.00	0.01	4.70	108.77	1.21	0.58	1.00	0.01
4.72	107.70	1.19	0.62	1.00	0.01	4.74	106.56	1.17	0.66	1.00	0.01
4.76	104.99	1.15	0.72	1.00	0.01	4.78	103.74	1.13	0.77	1.00	0.02
4.80	101.19	1.09	0.89	1.00	0.02	4.82	97.67	1.04	1.13	1.00	0.02
4.84	95.49	1.01	1.34	1.00	0.03	4.86	96.39	1.02	1.25	1.00	0.03
4.88	98.71	1.05	1.06	1.00	0.02	4.90	100.72	1.08	0.94	1.00	0.02
4.92	101.06	1.08	0.92	1.00	0.02	4.94	100.30	1.07	0.97	1.00	0.02
4.96	100.14	1.07	0.99	1.00	0.02	4.98	99.93	1.06	1.00	1.00	0.02
5.00	98.52	1.05	1.11	1.00	0.02	5.02	96.99	1.03	1.24	1.00	0.02
5.04	94.65	1.00	1.52	1.00	0.03	5.06	90.95	0.95	2.39	1.00	0.05
5.08	87.94	0.92	3.66	1.00	0.07	5.10	85.79	0.90	3.75	1.00	0.07
5.12	84.91	0.89	3.78	1.00	0.08	5.14	86.49	0.91	3.72	1.00	0.07
5.16	86.22	0.90	3.73	1.00	0.07	5.18	88.81	0.93	3.62	1.00	0.07
5.20	90.84	0.95	2.59	1.00	0.05	5.22	90.59	0.94	2.73	1.00	0.05
5.24	87.43	0.91	3.68	1.00	0.07	5.26	79.13	0.84	4.05	1.00	0.08
5.28	80.36	0.85	3.99	1.00	0.08	5.30	82.17	0.86	3.91	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	83.65	0.87	3.84	1.00	0.08	5.34	84.01	0.88	3.82	1.00	0.08
5.36	85.40	0.89	3.76	1.00	0.08	5.38	84.39	0.88	3.81	1.00	0.08
5.40	85.21	0.89	3.77	1.00	0.08	5.42	83.88	0.87	3.83	1.00	0.08
5.44	83.57	0.87	3.84	1.00	0.08	5.46	82.68	0.86	3.88	1.00	0.08
5.48	82.41	0.86	3.90	1.00	0.08	5.50	82.33	0.86	3.90	1.00	0.08
5.52	82.52	0.86	3.89	1.00	0.08	5.54	82.92	0.86	3.87	1.00	0.08
5.56	82.94	0.86	3.87	1.00	0.08	5.58	82.64	0.86	3.89	1.00	0.08
5.60	82.40	0.86	3.90	1.00	0.08	5.62	84.37	0.87	3.81	1.00	0.08
5.64	84.73	0.88	3.79	1.00	0.08	5.66	85.53	0.88	3.76	1.00	0.08
5.68	87.57	0.90	3.67	1.00	0.07	5.70	92.61	0.95	2.34	1.00	0.05
5.72	92.29	0.95	2.47	1.00	0.05	5.74	90.06	0.92	3.57	1.00	0.07
5.76	87.76	0.90	3.66	1.00	0.07	5.78	89.75	0.92	3.58	1.00	0.07
5.80	90.54	0.93	3.51	1.00	0.07	5.82	87.65	0.90	3.67	1.00	0.07
5.84	87.23	0.89	3.69	1.00	0.07	5.86	89.49	0.92	3.59	1.00	0.07
5.88	93.36	0.96	2.20	1.00	0.04	5.90	95.28	0.98	1.75	1.00	0.04
5.92	96.82	0.99	1.51	1.00	0.03	5.94	101.08	1.05	1.09	1.00	0.02
5.96	108.20	1.15	0.71	1.00	0.01	5.98	114.60	1.27	0.50	1.00	0.01
6.00	117.19	1.32	0.43	1.00	0.01	6.02	119.55	1.37	0.38	1.00	0.01
6.04	121.26	1.41	0.34	1.00	0.01	6.06	122.11	1.43	0.32	1.00	0.01
6.08	120.28	1.39	0.36	1.00	0.01	6.10	118.34	1.34	0.41	1.00	0.01
6.12	116.40	1.30	0.46	1.00	0.01	6.14	116.07	1.29	0.47	1.00	0.01
6.16	117.14	1.31	0.44	1.00	0.01	6.18	117.24	1.32	0.44	1.00	0.01
6.20	118.30	1.34	0.41	1.00	0.01	6.22	119.15	1.36	0.39	1.00	0.01
6.24	120.32	1.38	0.36	1.00	0.01	6.26	117.54	1.32	0.43	1.00	0.01
6.28	116.46	1.30	0.46	1.00	0.01	6.30	111.63	1.20	0.61	1.00	0.01
6.32	106.25	1.11	0.82	1.00	0.02	6.34	102.99	1.07	1.00	1.00	0.02
6.36	97.06	0.99	1.56	1.00	0.03	6.38	90.26	0.91	3.56	1.00	0.07
6.40	87.13	0.88	3.69	1.00	0.07	6.42	85.86	0.87	3.74	1.00	0.07
6.44	89.59	0.91	3.59	1.00	0.07	6.46	93.85	0.95	2.28	1.00	0.05
6.48	91.48	0.92	3.45	1.00	0.07	6.50	89.00	0.90	3.61	1.00	0.07
6.52	84.98	0.86	3.78	1.00	0.08	6.54	80.87	0.83	3.97	1.00	0.08
6.56	79.94	0.82	4.01	1.00	0.08	6.58	80.68	0.82	3.98	1.00	0.08
6.60	80.27	0.82	4.00	1.00	0.08	6.62	81.98	0.83	3.92	1.00	0.08
6.64	79.40	0.81	4.04	1.00	0.08	6.66	77.75	0.80	4.12	1.00	0.08
6.68	76.02	0.79	4.21	1.00	0.08	6.70	76.57	0.79	4.18	1.00	0.08
6.72	79.00	0.81	4.06	1.00	0.08	6.74	78.92	0.81	4.06	1.00	0.08
6.76	76.79	0.79	4.17	1.00	0.08	6.78	77.94	0.80	4.11	1.00	0.08
6.80	81.16	0.83	3.95	1.00	0.08	6.82	80.74	0.82	3.97	1.00	0.08
6.84	80.21	0.82	4.00	1.00	0.08	6.86	80.38	0.82	3.99	1.00	0.08
6.88	85.38	0.86	3.76	1.00	0.08	6.90	87.88	0.88	3.66	1.00	0.07
6.92	85.97	0.87	3.74	1.00	0.07	6.94	82.69	0.84	3.88	1.00	0.08
6.96	84.77	0.85	3.79	1.00	0.08	6.98	85.42	0.86	3.76	1.00	0.08
7.00	90.12	0.90	3.57	1.00	0.07	7.02	96.76	0.98	1.71	1.00	0.03
7.04	101.85	1.04	1.12	1.00	0.02	7.06	104.20	1.07	0.96	1.00	0.02
7.08	101.87	1.04	1.12	1.00	0.02	7.10	98.40	1.00	1.47	1.00	0.03
7.12	96.19	0.97	1.83	1.00	0.04	7.14	92.79	0.93	2.94	1.00	0.06
7.16	88.55	0.89	3.63	1.00	0.07	7.18	87.42	0.88	3.68	1.00	0.07
7.20	87.86	0.88	3.66	1.00	0.07	7.22	90.30	0.91	3.56	1.00	0.07
7.24	94.03	0.94	2.42	1.00	0.05	7.26	97.33	0.98	1.64	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	99.66	1.01	1.33	1.00	0.03	7.30	97.77	0.99	1.57	1.00	0.03
7.32	95.16	0.96	2.08	1.00	0.04	7.34	91.57	0.92	3.51	1.00	0.07
7.36	86.40	0.87	3.72	1.00	0.07	7.38	86.42	0.87	3.72	1.00	0.07
7.40	89.30	0.89	3.60	1.00	0.07	7.42	88.26	0.88	3.64	1.00	0.07
7.44	82.35	0.83	3.90	1.00	0.08	7.46	77.56	0.79	4.13	1.00	0.08
7.48	76.71	0.79	4.17	1.00	0.08	7.50	79.98	0.81	4.01	1.00	0.08
7.52	85.23	0.86	3.77	1.00	0.08	7.54	85.65	0.86	3.75	1.00	0.08
7.56	84.91	0.85	3.78	1.00	0.08	7.58	83.15	0.84	3.86	1.00	0.08
7.60	80.89	0.82	3.97	1.00	0.08	7.62	76.35	0.78	4.19	1.00	0.08
7.64	71.49	0.75	4.46	1.00	0.09	7.66	71.13	0.75	4.48	1.00	0.09
7.68	76.24	0.78	4.20	1.00	0.08	7.70	79.34	0.81	4.04	1.00	0.08
7.72	79.48	0.81	4.03	1.00	0.08	7.74	75.19	0.77	4.25	1.00	0.09
7.76	80.59	0.82	3.98	1.00	0.08	7.78	81.01	0.82	3.96	1.00	0.08
7.80	81.85	0.83	3.92	1.00	0.08	7.82	86.60	0.87	3.71	1.00	0.07
7.84	87.54	0.88	3.67	1.00	0.07	7.86	85.19	0.85	3.77	1.00	0.08
7.88	81.05	0.82	3.96	1.00	0.08	7.90	71.48	0.75	4.46	1.00	0.09
7.92	72.99	0.76	4.37	1.00	0.09	7.94	75.94	0.78	4.21	1.00	0.08
7.96	77.96	0.79	4.11	1.00	0.08	7.98	78.63	0.80	4.08	1.00	0.08
8.00	79.33	0.80	4.04	1.00	0.08	8.02	81.24	0.82	3.95	1.00	0.08
8.04	84.04	0.84	3.82	1.00	0.08	8.06	89.30	0.89	3.60	1.00	0.07
8.08	92.83	0.93	3.06	1.00	0.06	8.10	94.00	0.94	2.51	1.00	0.05
8.12	93.48	0.93	2.73	1.00	0.05	8.14	91.93	0.92	3.50	1.00	0.07
8.16	88.47	0.88	3.63	1.00	0.07	8.18	84.18	0.85	3.82	1.00	0.08
8.20	81.78	0.82	3.92	1.00	0.08	8.22	78.14	0.80	4.10	1.00	0.08
8.24	72.96	0.76	4.38	1.00	0.09	8.26	72.60	0.75	4.40	1.00	0.09
8.28	74.90	0.77	4.27	1.00	0.09	8.30	82.18	0.83	3.91	1.00	0.08
8.32	88.89	0.89	3.62	1.00	0.07	8.34	90.75	0.91	3.54	1.00	0.07
8.36	87.22	0.87	3.69	1.00	0.07	8.38	89.21	0.89	3.60	1.00	0.07
8.40	92.15	0.92	3.49	1.00	0.07	8.42	93.46	0.94	2.72	1.00	0.05
8.44	92.44	0.92	3.29	1.00	0.07	8.46	89.97	0.90	3.57	1.00	0.07
8.48	88.29	0.88	3.64	1.00	0.07	8.50	90.52	0.90	3.55	1.00	0.07
8.52	91.10	0.91	3.53	1.00	0.07	8.54	92.33	0.92	3.35	1.00	0.07
8.56	92.61	0.93	3.16	1.00	0.06	8.58	91.69	0.92	3.51	1.00	0.07
8.60	91.53	0.92	3.51	1.00	0.07	8.62	89.92	0.90	3.58	1.00	0.07
8.64	89.68	0.90	3.59	1.00	0.07	8.66	88.52	0.89	3.63	1.00	0.07
8.68	87.02	0.87	3.69	1.00	0.07	8.70	84.92	0.85	3.78	1.00	0.08
8.72	82.90	0.84	3.87	1.00	0.08	8.74	87.24	0.87	3.68	1.00	0.07
8.76	90.85	0.91	3.54	1.00	0.07	8.78	92.59	0.93	3.14	1.00	0.06
8.80	93.41	0.94	2.71	1.00	0.05	8.82	93.50	0.94	2.66	1.00	0.05
8.84	93.09	0.93	2.85	1.00	0.06	8.86	92.45	0.93	3.21	1.00	0.06
8.88	90.77	0.91	3.54	1.00	0.07	8.90	86.32	0.87	3.72	1.00	0.07
8.92	77.44	0.79	4.14	1.00	0.08	8.94	74.73	0.77	4.28	1.00	0.09
8.96	80.79	0.82	3.97	1.00	0.08	8.98	84.88	0.85	3.79	1.00	0.08
9.00	86.42	0.87	3.72	1.00	0.07	9.02	86.35	0.87	3.72	1.00	0.07
9.04	83.97	0.85	3.83	1.00	0.08	9.06	89.70	0.90	3.58	1.00	0.07
9.08	95.19	0.96	2.06	1.00	0.04	9.10	96.69	0.97	1.74	1.00	0.03
9.12	98.47	1.00	1.46	1.00	0.03	9.14	97.21	0.98	1.65	1.00	0.03
9.16	94.59	0.95	2.21	1.00	0.04	9.18	91.98	0.92	3.43	1.00	0.07
9.20	89.94	0.90	3.58	1.00	0.07	9.22	88.29	0.89	3.64	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	84.79	0.85	3.79	1.00	0.08	9.26	74.64	0.77	4.28	1.00	0.09
9.28	72.30	0.76	4.41	1.00	0.09	9.30	78.07	0.80	4.10	1.00	0.08
9.32	81.52	0.83	3.94	1.00	0.08	9.34	82.23	0.83	3.90	1.00	0.08
9.36	86.22	0.87	3.73	1.00	0.07	9.38	94.75	0.95	2.13	1.00	0.04
9.40	94.39	0.95	2.24	1.00	0.04	9.42	91.39	0.92	3.52	1.00	0.07
9.44	84.99	0.86	3.78	1.00	0.08	9.46	80.46	0.82	3.99	1.00	0.08
9.48	79.71	0.81	4.02	1.00	0.08	9.50	77.39	0.80	4.14	1.00	0.08
9.52	76.38	0.79	4.19	1.00	0.08	9.54	72.97	0.76	4.38	1.00	0.09
9.56	68.24	0.73	4.66	1.00	0.09	9.58	71.74	0.75	4.45	1.00	0.09
9.60	74.57	0.77	4.29	1.00	0.09	9.62	76.48	0.79	4.19	1.00	0.08
9.64	79.93	0.82	4.01	1.00	0.08	9.66	83.54	0.85	3.84	1.00	0.08
9.68	85.46	0.86	3.76	1.00	0.08	9.70	84.69	0.86	3.79	1.00	0.08
9.72	82.78	0.84	3.88	1.00	0.08	9.74	81.76	0.83	3.93	1.00	0.08
9.76	77.20	0.80	4.15	1.00	0.08	9.78	79.88	0.82	4.01	1.00	0.08
9.80	84.90	0.86	3.78	1.00	0.08	9.82	91.05	0.92	3.53	1.00	0.07
9.84	91.23	0.92	3.52	1.00	0.07	9.86	87.90	0.89	3.66	1.00	0.07
9.88	84.85	0.86	3.79	1.00	0.08	9.90	84.21	0.85	3.81	1.00	0.08
9.92	84.41	0.86	3.81	1.00	0.08	9.94	84.99	0.86	3.78	1.00	0.08
9.96	84.40	0.86	3.81	1.00	0.08	9.98	83.17	0.85	3.86	1.00	0.08
10.00	82.20	0.84	3.91	1.00	0.08	10.02	79.02	0.81	4.06	1.00	0.08
10.04	74.71	0.78	4.28	1.00	0.09	10.06	67.63	0.73	4.70	1.00	0.09
10.08	74.73	0.78	4.28	1.00	0.09	10.10	83.24	0.85	3.86	1.00	0.08
10.12	86.62	0.88	3.71	1.00	0.07	10.14	82.22	0.84	3.90	1.00	0.08
10.16	77.95	0.81	4.11	1.00	0.08	10.18	76.88	0.80	4.16	1.00	0.08
10.20	77.17	0.80	4.15	1.00	0.08	10.22	78.34	0.81	4.09	1.00	0.08
10.24	82.26	0.84	3.90	1.00	0.08	10.26	88.77	0.90	3.62	1.00	0.07
10.28	90.99	0.92	3.53	1.00	0.07	10.30	91.46	0.93	3.28	1.00	0.07
10.32	91.13	0.93	3.51	1.00	0.07	10.34	90.30	0.92	3.56	1.00	0.07
10.36	87.71	0.89	3.66	1.00	0.07	10.38	86.59	0.88	3.71	1.00	0.07
10.40	83.77	0.86	3.83	1.00	0.08	10.42	81.35	0.84	3.94	1.00	0.08
10.44	79.73	0.82	4.02	1.00	0.08	10.46	80.21	0.83	4.00	1.00	0.08
10.48	80.88	0.83	3.97	1.00	0.08	10.50	79.94	0.82	4.01	1.00	0.08
10.52	80.14	0.83	4.00	1.00	0.08	10.54	80.48	0.83	3.99	1.00	0.08
10.56	78.95	0.82	4.06	1.00	0.08	10.58	77.56	0.81	4.13	1.00	0.08
10.60	74.30	0.78	4.30	1.00	0.09	10.62	71.96	0.77	4.43	1.00	0.09
10.64	70.32	0.75	4.53	1.00	0.09	10.66	70.03	0.75	4.55	1.00	0.09
10.68	69.19	0.75	4.60	1.00	0.09	10.70	67.08	0.73	4.73	1.00	0.09
10.72	66.89	0.73	4.74	1.00	0.09	10.74	66.88	0.73	4.74	1.00	0.09
10.76	67.90	0.74	4.68	1.00	0.09	10.78	75.90	0.80	4.22	1.00	0.08
10.80	84.17	0.86	3.82	1.00	0.08	10.82	94.58	0.97	1.89	1.00	0.04
10.84	106.06	1.12	0.80	1.00	0.02	10.86	116.10	1.30	0.46	1.00	0.01
10.88	119.03	1.36	0.38	1.00	0.01	10.90	117.88	1.34	0.41	1.00	0.01
10.92	113.61	1.25	0.52	1.00	0.01	10.94	107.51	1.14	0.73	1.00	0.01
10.96	97.25	1.00	1.43	1.00	0.03	10.98	93.11	0.95	2.22	1.00	0.04
11.00	103.67	1.09	0.90	1.00	0.02	11.02	104.45	1.10	0.86	1.00	0.02
11.04	103.53	1.09	0.91	1.00	0.02	11.06	102.06	1.07	0.99	1.00	0.02
11.08	99.79	1.04	1.15	1.00	0.02	11.10	96.91	1.00	1.44	1.00	0.03
11.12	91.89	0.94	2.60	1.00	0.05	11.14	84.34	0.87	3.81	1.00	0.08
11.16	79.25	0.83	4.05	1.00	0.08	11.18	80.73	0.84	3.97	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	83.57	0.86	3.84	1.00	0.08	11.22	85.32	0.88	3.77	1.00	0.08
11.24	88.80	0.91	3.62	1.00	0.07	11.26	89.21	0.92	3.60	1.00	0.07
11.28	92.41	0.95	2.33	1.00	0.05	11.30	94.54	0.98	1.77	1.00	0.04
11.32	96.39	1.00	1.47	1.00	0.03	11.34	99.01	1.03	1.19	1.00	0.02
11.36	100.76	1.05	1.05	1.00	0.02	11.38	101.06	1.06	1.03	1.00	0.02
11.40	102.43	1.08	0.94	1.00	0.02	11.42	105.33	1.12	0.79	1.00	0.02
11.44	105.83	1.13	0.77	1.00	0.02	11.46	105.85	1.13	0.77	1.00	0.02
11.48	104.52	1.11	0.83	1.00	0.02	11.50	105.02	1.12	0.80	1.00	0.02
11.52	104.85	1.12	0.81	1.00	0.02	11.54	105.44	1.13	0.78	1.00	0.02
11.56	104.21	1.11	0.83	1.00	0.02	11.58	104.81	1.12	0.81	1.00	0.02
11.60	103.58	1.10	0.86	1.00	0.02	11.62	103.41	1.10	0.87	1.00	0.02
11.64	104.19	1.11	0.83	1.00	0.02	11.66	103.92	1.11	0.84	1.00	0.02
11.68	102.98	1.09	0.89	1.00	0.02	11.70	102.05	1.08	0.94	1.00	0.02
11.72	100.45	1.06	1.03	1.00	0.02	11.74	99.32	1.04	1.11	1.00	0.02
11.76	95.63	1.00	1.49	1.00	0.03	11.78	89.10	0.93	3.61	1.00	0.07
11.80	85.51	0.89	3.76	1.00	0.08	11.82	83.08	0.87	3.87	1.00	0.08
11.84	81.48	0.86	3.94	1.00	0.08	11.86	81.32	0.86	3.95	1.00	0.08
11.88	83.09	0.87	3.86	1.00	0.08	11.90	84.25	0.88	3.81	1.00	0.08
11.92	84.85	0.89	3.79	1.00	0.08	11.94	84.50	0.89	3.80	1.00	0.08
11.96	83.50	0.88	3.85	1.00	0.08	11.98	84.94	0.89	3.78	1.00	0.08
12.00	90.26	0.94	2.80	1.00	0.06	12.02	95.49	1.00	1.45	1.00	0.03
12.04	101.48	1.08	0.94	1.00	0.02	12.06	108.72	1.19	0.62	1.00	0.01
12.08	116.55	1.34	0.41	1.00	0.01	12.10	121.72	1.46	0.29	1.00	0.01
12.12	124.69	1.54	0.23	1.00	0.00	12.14	124.04	1.53	0.24	1.00	0.00
12.16	121.66	1.46	0.29	1.00	0.01	12.18	117.19	1.36	0.39	1.00	0.01
12.20	111.50	1.24	0.53	1.00	0.01	12.22	109.04	1.20	0.61	1.00	0.01
12.24	107.83	1.18	0.64	1.00	0.01	12.26	110.02	1.22	0.57	1.00	0.01
12.28	114.11	1.30	0.46	1.00	0.01	12.30	118.21	1.38	0.36	1.00	0.01
12.32	118.41	1.39	0.35	1.00	0.01	12.34	114.91	1.31	0.44	1.00	0.01
12.36	110.48	1.23	0.55	1.00	0.01	12.38	103.68	1.12	0.80	1.00	0.02
12.40	97.22	1.03	1.20	1.00	0.02	12.42	93.11	0.98	1.72	1.00	0.03
12.44	95.20	1.01	1.40	1.00	0.03	12.46	102.73	1.11	0.83	1.00	0.02
12.48	111.06	1.24	0.53	1.00	0.01	12.50	113.16	1.28	0.47	1.00	0.01
12.52	110.06	1.23	0.56	1.00	0.01	12.54	103.39	1.12	0.80	1.00	0.02
12.56	100.12	1.07	0.96	1.00	0.02	12.58	100.05	1.07	0.96	1.00	0.02
12.60	100.45	1.08	0.94	1.00	0.02	12.62	97.57	1.04	1.13	1.00	0.02
12.64	95.07	1.01	1.37	1.00	0.03	12.66	93.22	0.99	1.62	1.00	0.03
12.68	92.13	0.98	1.82	1.00	0.04	12.70	91.31	0.97	2.00	1.00	0.04
12.72	87.81	0.93	3.66	1.00	0.07	12.74	80.15	0.86	4.00	1.00	0.08
12.76	76.42	0.83	4.19	1.00	0.08	12.78	73.08	0.81	4.37	1.00	0.09
12.80	70.69	0.79	4.51	1.00	0.09	12.82	72.58	0.80	4.40	1.00	0.09
12.84	69.90	0.79	4.56	1.00	0.09	12.86	69.90	0.79	4.55	1.00	0.09
12.88	70.10	0.79	4.54	1.00	0.09	12.90	71.89	0.80	4.44	1.00	0.09
12.92	72.30	0.80	4.41	1.00	0.09	12.94	71.81	0.80	4.44	1.00	0.09
12.96	72.15	0.80	4.42	1.00	0.09	12.98	76.43	0.84	4.19	1.00	0.08
13.00	82.26	0.89	3.90	1.00	0.08	13.02	87.18	0.93	3.69	1.00	0.07
13.04	86.85	0.93	3.70	1.00	0.07	13.06	87.62	0.94	3.45	1.00	0.07
13.08	81.94	0.89	3.92	1.00	0.08	13.10	81.95	0.89	3.92	1.00	0.08
13.12	86.23	0.93	3.73	1.00	0.07	13.14	87.16	0.94	3.69	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	90.58	0.97	2.00	1.00	0.04	13.18	91.22	0.98	1.84	1.00	0.04
13.20	92.34	0.99	1.62	1.00	0.03	13.22	92.21	0.99	1.63	1.00	0.03
13.24	96.32	1.04	1.14	1.00	0.02	13.26	92.88	1.00	1.52	1.00	0.03
13.28	80.85	0.88	3.97	1.00	0.08	13.30	96.01	1.04	1.16	1.00	0.02
13.32	104.10	1.15	0.71	1.00	0.01	13.34	105.05	1.16	0.67	1.00	0.01
13.36	101.27	1.11	0.82	1.00	0.02	13.38	97.88	1.06	1.01	1.00	0.02
13.40	92.92	1.00	1.47	1.00	0.03	13.42	87.71	0.95	2.96	1.00	0.06
13.44	84.17	0.91	3.82	1.00	0.08	13.46	82.26	0.90	3.90	1.00	0.08
13.48	84.69	0.92	3.79	1.00	0.08	13.50	85.91	0.93	3.74	1.00	0.07
13.52	87.22	0.95	3.17	1.00	0.06	13.54	91.92	1.00	1.58	1.00	0.03
13.56	99.59	1.09	0.89	1.00	0.02	13.58	106.09	1.19	0.62	1.00	0.01
13.60	111.40	1.28	0.47	1.00	0.01	13.62	114.49	1.34	0.40	1.00	0.01
13.64	114.88	1.35	0.39	1.00	0.01	13.66	107.85	1.22	0.56	1.00	0.01
13.68	107.69	1.22	0.57	1.00	0.01	13.70	109.47	1.25	0.52	1.00	0.01
13.72	119.62	1.46	0.29	1.00	0.01	13.74	131.71	1.84	0.07	1.00	0.00
13.76	137.84	2.00	0.00	1.00	0.00	13.78	143.04	2.00	0.00	1.00	0.00
13.80	147.40	2.00	0.00	1.00	0.00	13.82	151.87	2.00	0.00	1.00	0.00
13.84	156.82	2.00	0.00	1.00	0.00	13.86	160.45	2.00	0.00	1.00	0.00
13.88	160.55	2.00	0.00	1.00	0.00	13.90	158.65	2.00	0.00	1.00	0.00
13.92	154.85	2.00	0.00	1.00	0.00	13.94	153.14	2.00	0.00	1.00	0.00
13.96	151.34	2.00	0.00	1.00	0.00	13.98	142.65	2.00	0.00	1.00	0.00
14.00	133.54	1.93	0.03	1.00	0.00	14.02	128.12	1.72	0.12	1.00	0.00
14.04	128.88	1.75	0.11	1.00	0.00	14.06	132.44	1.88	0.05	1.00	0.00
14.08	135.64	2.00	0.00	1.00	0.00	14.10	135.09	2.00	0.00	1.00	0.00
14.12	130.05	1.80	0.08	1.00	0.00	14.14	123.35	1.58	0.20	1.00	0.00
14.16	122.44	1.56	0.22	1.00	0.00	14.18	125.15	1.64	0.17	1.00	0.00
14.20	128.05	1.73	0.12	1.00	0.00	14.22	128.53	1.75	0.11	1.00	0.00
14.24	129.01	1.77	0.10	1.00	0.00	14.26	126.52	1.68	0.14	1.00	0.00
14.28	122.54	1.57	0.21	1.00	0.00	14.30	122.19	1.56	0.22	1.00	0.00
14.32	122.31	1.56	0.21	1.00	0.00	14.34	123.16	1.59	0.20	1.00	0.00
14.36	122.81	1.58	0.20	1.00	0.00	14.38	120.98	1.53	0.24	1.00	0.00
14.40	115.84	1.40	0.34	1.00	0.01	14.42	112.82	1.34	0.40	1.00	0.01
14.44	112.94	1.34	0.40	1.00	0.01	14.46	111.67	1.32	0.42	1.00	0.01
14.48	111.79	1.32	0.42	1.00	0.01	14.50	112.91	1.34	0.39	1.00	0.01
14.52	108.99	1.27	0.48	1.00	0.01	14.54	104.82	1.20	0.60	1.00	0.01
14.56	97.67	1.09	0.87	1.00	0.02	14.58	89.58	1.00	1.61	1.00	0.03
14.60	84.33	0.94	3.81	1.00	0.08	14.62	84.36	0.94	3.81	1.00	0.08
14.64	89.13	0.99	1.66	1.00	0.03	14.66	94.67	1.06	1.03	1.00	0.02
14.68	98.11	1.10	0.83	1.00	0.02	14.70	102.56	1.17	0.66	1.00	0.01
14.72	110.43	1.30	0.44	1.00	0.01	14.74	115.58	1.41	0.33	1.00	0.01
14.76	116.16	1.42	0.32	1.00	0.01	14.78	114.81	1.39	0.34	1.00	0.01
14.80	111.36	1.32	0.42	1.00	0.01	14.82	110.74	1.31	0.43	1.00	0.01
14.84	113.41	1.37	0.37	1.00	0.01	14.86	117.19	1.45	0.29	1.00	0.01
14.88	118.68	1.49	0.26	1.00	0.01	14.90	123.30	1.61	0.18	1.00	0.00
14.92	124.34	1.64	0.16	1.00	0.00	14.94	123.62	1.62	0.17	1.00	0.00
14.96	124.01	1.64	0.17	1.00	0.00	14.98	124.12	1.64	0.16	1.00	0.00
15.00	123.40	1.62	0.18	1.00	0.00	15.02	121.31	1.56	0.21	1.00	0.00
15.04	117.57	1.47	0.28	1.00	0.01	15.06	115.85	1.43	0.31	1.00	0.01
15.08	114.32	1.39	0.34	1.00	0.01	15.10	119.37	1.51	0.24	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	125.54	1.69	0.14	1.00	0.00	15.14	129.33	1.82	0.07	1.00	0.00
15.16	133.33	1.98	0.01	1.00	0.00	15.18	138.35	2.00	0.00	1.00	0.00
15.20	142.55	2.00	0.00	1.00	0.00	15.22	142.85	2.00	0.00	1.00	0.00
15.24	141.00	2.00	0.00	1.00	0.00	15.26	140.18	2.00	0.00	1.00	0.00
15.28	140.47	2.00	0.00	1.00	0.00	15.30	142.81	2.00	0.00	1.00	0.00
15.32	144.87	2.00	0.00	1.00	0.00	15.34	142.09	2.00	0.00	1.00	0.00
15.36	138.95	2.00	0.00	1.00	0.00	15.38	138.50	2.00	0.00	1.00	0.00
15.40	136.94	2.00	0.00	1.00	0.00	15.42	134.55	2.00	0.00	1.00	0.00
15.44	136.05	2.00	0.00	1.00	0.00	15.46	134.86	2.00	0.00	1.00	0.00
15.48	139.78	2.00	0.00	1.00	0.00	15.50	147.42	2.00	0.00	1.00	0.00
15.52	155.11	2.00	0.00	1.00	0.00	15.54	159.35	2.00	0.00	1.00	0.00
15.56	163.75	2.00	0.00	1.00	0.00	15.58	157.67	2.00	0.00	1.00	0.00
15.60	159.09	2.00	0.00	1.00	0.00	15.62	155.72	2.00	0.00	1.00	0.00
15.64	154.98	2.00	0.00	1.00	0.00	15.66	146.03	2.00	0.00	1.00	0.00
15.68	144.93	2.00	0.00	1.00	0.00	15.70	145.03	2.00	0.00	1.00	0.00
15.72	143.46	2.00	0.00	1.00	0.00	15.74	143.10	2.00	0.00	1.00	0.00
15.76	141.90	2.00	0.00	1.00	0.00	15.78	146.09	2.00	0.00	1.00	0.00
15.80	132.60	1.98	0.01	1.00	0.00	15.82	131.97	1.96	0.02	1.00	0.00
15.84	133.82	2.00	0.00	1.00	0.00	15.86	135.40	2.00	0.00	1.00	0.00
15.88	135.60	2.00	0.00	1.00	0.00	15.90	133.96	2.00	0.00	1.00	0.00
15.92	133.88	2.00	0.00	1.00	0.00	15.94	138.04	2.00	0.00	1.00	0.00
15.96	144.80	2.00	0.00	1.00	0.00	15.98	150.76	2.00	0.00	1.00	0.00
16.00	157.22	2.00	0.00	1.00	0.00	16.02	157.33	2.00	0.00	1.00	0.00
16.04	160.97	2.00	0.00	1.00	0.00	16.06	161.45	2.00	0.00	1.00	0.00
16.08	167.97	2.00	0.00	1.00	0.00	16.10	161.95	2.00	0.00	1.00	0.00
16.12	165.74	2.00	0.00	1.00	0.00	16.14	162.84	2.00	0.00	1.00	0.00
16.16	158.54	2.00	0.00	1.00	0.00	16.18	158.74	2.00	0.00	1.00	0.00
16.20	159.61	2.00	0.00	1.00	0.00	16.22	156.10	2.00	0.00	1.00	0.00
16.24	150.91	2.00	0.00	1.00	0.00	16.26	142.22	2.00	0.00	1.00	0.00
16.28	133.52	2.00	0.00	1.00	0.00	16.30	137.66	2.00	0.00	1.00	0.00
16.32	133.74	2.00	0.00	1.00	0.00	16.34	134.86	2.00	0.00	1.00	0.00
16.36	135.98	2.00	0.00	1.00	0.00	16.38	182.20	2.00	0.00	1.00	0.00
16.40	220.83	2.00	0.00	1.00	0.00	16.42	252.77	2.00	0.00	1.00	0.00
16.44	263.62	2.00	0.00	1.00	0.00	16.46	265.92	2.00	0.00	1.00	0.00
16.48	255.78	2.00	0.00	1.00	0.00	16.50	238.84	2.00	0.00	1.00	0.00
16.52	223.63	2.00	0.00	1.00	0.00	16.54	196.36	2.00	0.00	1.00	0.00
16.56	180.18	2.00	0.00	1.00	0.00	16.58	166.85	2.00	0.00	1.00	0.00
16.60	158.52	2.00	0.00	1.00	0.00	16.62	144.28	2.00	0.00	1.00	0.00
16.64	131.30	1.98	0.01	1.00	0.00	16.66	126.24	1.79	0.08	1.00	0.00
16.68	125.18	1.76	0.10	1.00	0.00	16.70	119.88	1.60	0.18	1.00	0.00
16.72	116.86	1.52	0.23	1.00	0.00	16.74	115.01	1.48	0.26	1.00	0.01
16.76	115.30	1.49	0.26	1.00	0.01	16.78	116.67	1.52	0.24	1.00	0.00
16.80	117.68	1.55	0.22	1.00	0.00	16.82	112.98	1.44	0.30	1.00	0.01
16.84	105.12	1.28	0.45	1.00	0.01	16.86	97.88	1.17	0.63	1.00	0.01
16.88	93.46	1.11	0.78	1.00	0.02	16.90	91.15	1.08	0.89	1.00	0.02
16.92	90.15	1.07	0.94	1.00	0.02	16.94	89.06	1.06	1.01	1.00	0.02
16.96	87.06	1.04	1.17	1.00	0.02	16.98	86.52	1.03	1.22	1.00	0.02
17.00	88.25	1.05	1.06	1.00	0.02	17.02	89.13	1.06	0.99	1.00	0.02
17.04	88.82	1.06	1.01	1.00	0.02	17.06	92.30	1.10	0.81	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	92.12	1.10	0.82	1.00	0.02	17.10	88.39	1.06	1.03	1.00	0.02
17.12	85.31	1.02	1.31	1.00	0.03	17.14	82.66	1.00	1.75	1.00	0.04
17.16	81.21	0.98	2.17	1.00	0.04	17.18	80.71	0.98	2.35	1.00	0.05
17.20	80.71	0.98	2.33	1.00	0.05	17.22	85.34	1.03	1.28	1.00	0.03
17.24	90.76	1.09	0.86	1.00	0.02	17.26	93.83	1.13	0.72	1.00	0.01
17.28	100.64	1.23	0.52	1.00	0.01	17.30	89.64	1.08	0.91	1.00	0.02
17.32	82.81	1.00	1.62	1.00	0.03	17.34	78.31	0.96	3.84	1.00	0.08
17.36	80.38	0.98	2.30	1.00	0.05	17.38	82.85	1.01	1.58	1.00	0.03
17.40	84.75	1.03	1.29	1.00	0.03	17.42	85.30	1.03	1.22	1.00	0.02
17.44	87.36	1.06	1.03	1.00	0.02	17.46	90.50	1.09	0.84	1.00	0.02
17.48	92.24	1.12	0.76	1.00	0.02	17.50	93.73	1.14	0.70	1.00	0.01
17.52	98.17	1.20	0.57	1.00	0.01	17.54	103.70	1.29	0.44	1.00	0.01
17.56	104.56	1.30	0.42	1.00	0.01	17.58	101.60	1.25	0.48	1.00	0.01
17.60	98.28	1.20	0.56	1.00	0.01	17.62	95.11	1.16	0.65	1.00	0.01
17.64	94.21	1.15	0.67	1.00	0.01	17.66	95.36	1.16	0.63	1.00	0.01
17.68	96.34	1.18	0.60	1.00	0.01	17.70	98.67	1.21	0.54	1.00	0.01
17.72	98.70	1.21	0.54	1.00	0.01	17.74	96.48	1.18	0.60	1.00	0.01
17.76	94.56	1.16	0.65	1.00	0.01	17.78	93.24	1.14	0.69	1.00	0.01
17.80	93.71	1.15	0.67	1.00	0.01	17.82	93.72	1.15	0.67	1.00	0.01
17.84	94.38	1.16	0.65	1.00	0.01	17.86	94.98	1.16	0.63	1.00	0.01
17.88	95.77	1.18	0.60	1.00	0.01	17.90	96.83	1.19	0.57	1.00	0.01
17.92	96.60	1.19	0.58	1.00	0.01	17.94	97.82	1.21	0.54	1.00	0.01
17.96	97.94	1.21	0.54	1.00	0.01	17.98	98.45	1.22	0.53	1.00	0.01
18.00	98.58	1.22	0.52	1.00	0.01	18.02	95.45	1.18	0.60	1.00	0.01
18.04	94.56	1.16	0.62	1.00	0.01	18.06	92.77	1.14	0.68	1.00	0.01
18.08	92.97	1.15	0.67	1.00	0.01	18.10	91.67	1.13	0.71	1.00	0.01
18.12	88.70	1.09	0.83	1.00	0.02	18.14	88.09	1.09	0.86	1.00	0.02
18.16	88.21	1.09	0.85	1.00	0.02	18.18	88.71	1.10	0.82	1.00	0.02
18.20	88.86	1.10	0.81	1.00	0.02	18.22	89.36	1.10	0.78	1.00	0.02
18.24	88.76	1.10	0.81	1.00	0.02	18.26	90.88	1.12	0.72	1.00	0.01
18.28	92.48	1.15	0.66	1.00	0.01	18.30	91.24	1.13	0.70	1.00	0.01
18.32	90.67	1.12	0.72	1.00	0.01	18.34	92.17	1.14	0.67	1.00	0.01
18.36	93.95	1.17	0.61	1.00	0.01	18.38	93.98	1.17	0.61	1.00	0.01
18.40	97.35	1.22	0.52	1.00	0.01	18.42	96.88	1.21	0.53	1.00	0.01
18.44	93.39	1.16	0.62	1.00	0.01	18.46	90.24	1.12	0.72	1.00	0.01
18.48	89.13	1.11	0.76	1.00	0.02	18.50	89.58	1.12	0.74	1.00	0.01
18.52	91.19	1.14	0.68	1.00	0.01	18.54	91.55	1.14	0.67	1.00	0.01
18.56	89.91	1.12	0.72	1.00	0.01	18.58	89.98	1.12	0.71	1.00	0.01
18.60	89.67	1.12	0.72	1.00	0.01	18.62	92.90	1.16	0.62	1.00	0.01
18.64	94.30	1.18	0.58	1.00	0.01	18.66	93.58	1.17	0.60	1.00	0.01
18.68	91.52	1.15	0.65	1.00	0.01	18.70	88.27	1.11	0.77	1.00	0.02
18.72	90.99	1.14	0.66	1.00	0.01	18.74	95.58	1.20	0.54	1.00	0.01
18.76	98.38	1.25	0.48	1.00	0.01	18.78	97.15	1.23	0.50	1.00	0.01
18.80	92.75	1.17	0.61	1.00	0.01	18.82	88.49	1.11	0.74	1.00	0.01
18.84	94.13	1.19	0.57	1.00	0.01	18.86	100.99	1.29	0.42	1.00	0.01
18.88	100.52	1.28	0.43	1.00	0.01	18.90	98.41	1.25	0.47	1.00	0.01
18.92	93.15	1.18	0.58	1.00	0.01	18.94	89.69	1.13	0.68	1.00	0.01
18.96	88.56	1.12	0.72	1.00	0.01	18.98	88.30	1.12	0.73	1.00	0.01
19.00	87.85	1.11	0.74	1.00	0.01	19.02	86.48	1.10	0.80	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	86.03	1.09	0.82	1.00	0.02	19.06	86.67	1.10	0.78	1.00	0.02
19.08	86.97	1.10	0.77	1.00	0.02	19.10	89.99	1.14	0.66	1.00	0.01
19.12	94.32	1.20	0.54	1.00	0.01	19.14	97.13	1.24	0.48	1.00	0.01
19.16	97.61	1.25	0.47	1.00	0.01	19.18	94.21	1.20	0.54	1.00	0.01
19.20	90.62	1.15	0.63	1.00	0.01	19.22	87.45	1.11	0.73	1.00	0.01
19.24	86.30	1.10	0.77	1.00	0.02	19.26	85.99	1.10	0.78	1.00	0.02
19.28	86.11	1.10	0.78	1.00	0.02	19.30	89.52	1.14	0.65	1.00	0.01
19.32	94.54	1.21	0.52	1.00	0.01	19.34	97.90	1.26	0.45	1.00	0.01
19.36	99.93	1.29	0.41	1.00	0.01	19.38	100.55	1.30	0.40	1.00	0.01
19.40	100.66	1.30	0.40	1.00	0.01	19.42	96.94	1.25	0.46	1.00	0.01
19.44	95.13	1.22	0.50	1.00	0.01	19.46	94.02	1.21	0.52	1.00	0.01
19.48	95.60	1.23	0.49	1.00	0.01	19.50	104.48	1.38	0.33	1.00	0.01
19.52	109.02	1.47	0.26	1.00	0.01	19.54	108.99	1.47	0.26	1.00	0.01
19.56	100.64	1.31	0.39	1.00	0.01	19.58	99.63	1.29	0.41	1.00	0.01
19.60	109.06	1.47	0.26	1.00	0.01	19.62	116.67	1.65	0.15	1.00	0.00
19.64	117.39	1.67	0.14	1.00	0.00	19.66	113.95	1.58	0.19	1.00	0.00
19.68	106.42	1.42	0.29	1.00	0.01	19.70	97.59	1.27	0.44	1.00	0.01
19.72	91.74	1.18	0.55	1.00	0.01	19.74	99.65	1.30	0.40	1.00	0.01
19.76	91.00	1.18	0.57	1.00	0.01	19.78	88.22	1.14	0.64	1.00	0.01
19.80	85.88	1.11	0.71	1.00	0.01	19.82	87.08	1.13	0.67	1.00	0.01
19.84	84.08	1.09	0.78	1.00	0.02	19.86	79.44	1.05	1.08	1.00	0.02
19.88	86.13	1.12	0.70	1.00	0.01	19.90	99.80	1.31	0.39	1.00	0.01
19.92	110.63	1.52	0.23	1.00	0.00	19.94	119.54	1.75	0.10	1.00	0.00
19.96	126.11	1.97	0.01	1.00	0.00	19.98	129.47	2.00	0.00	1.00	0.00
20.00	132.06	2.00	0.00	1.00	0.00						

Total estimated settlement: 29.79

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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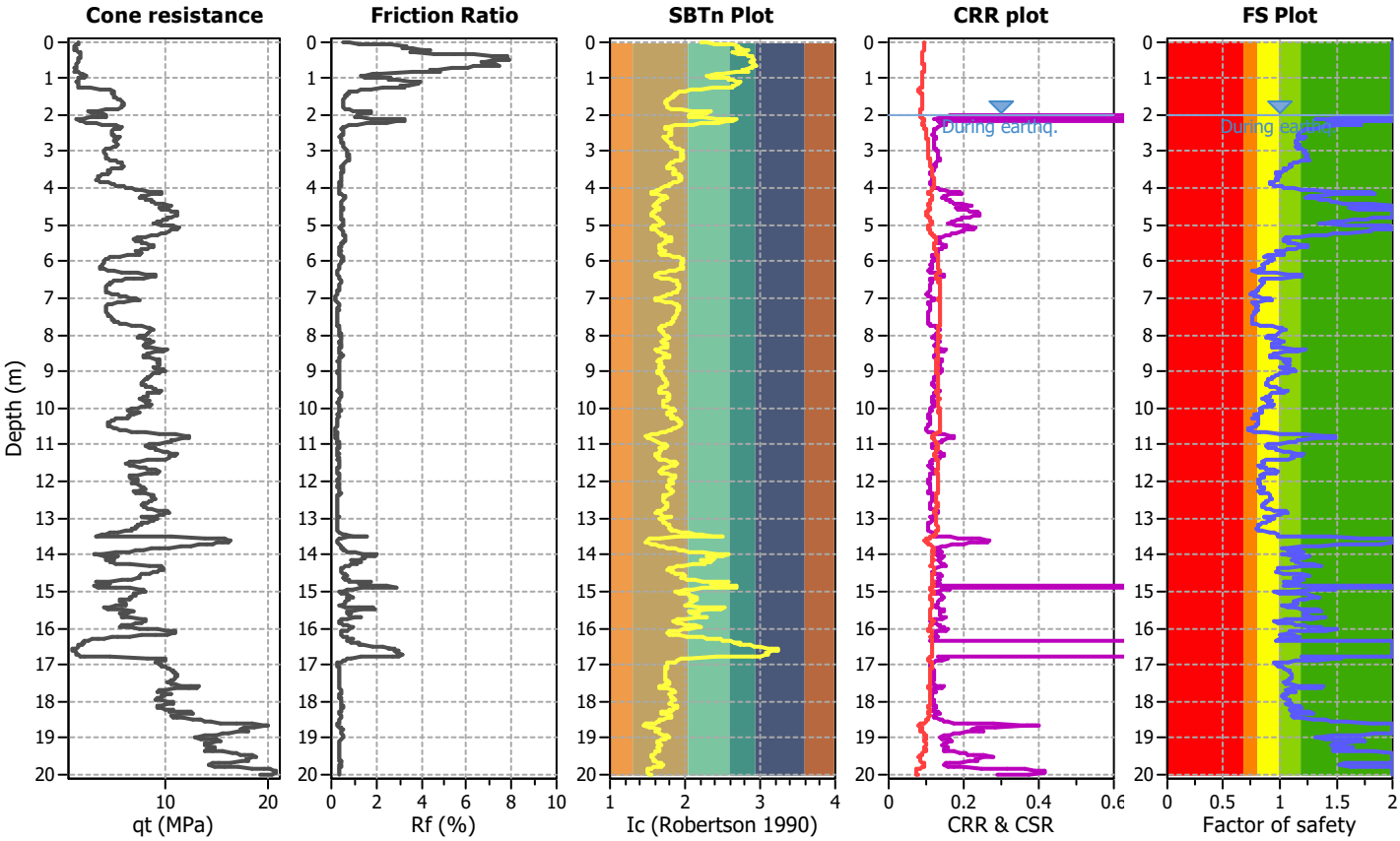
LIQUEFACTION ANALYSIS REPORT

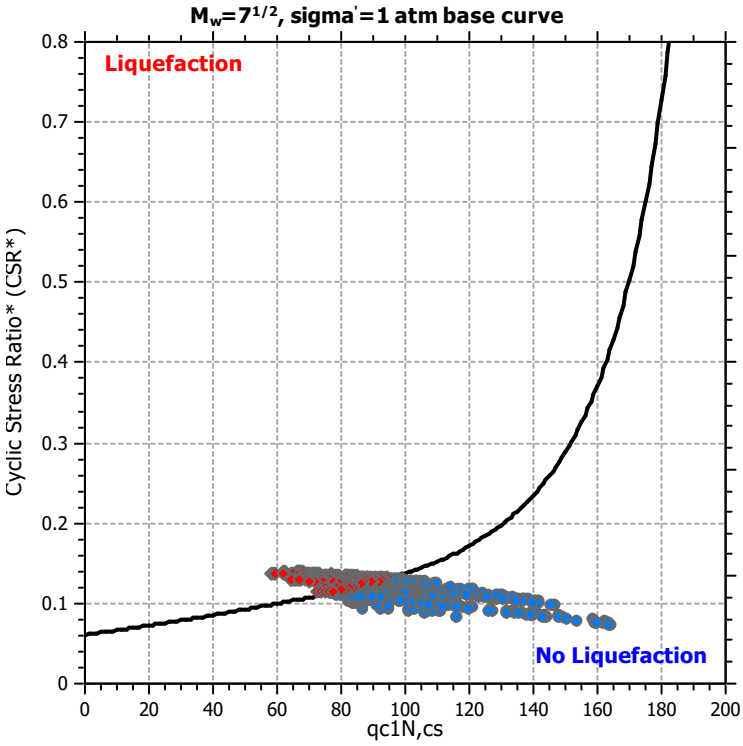
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

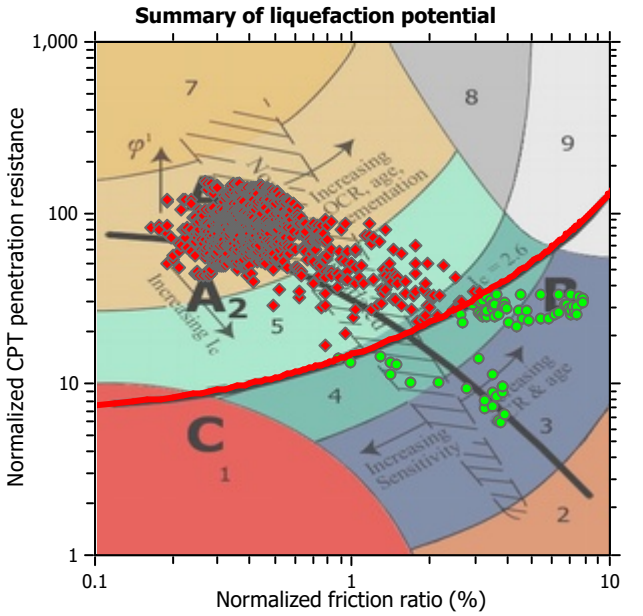
CPT file : P124

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

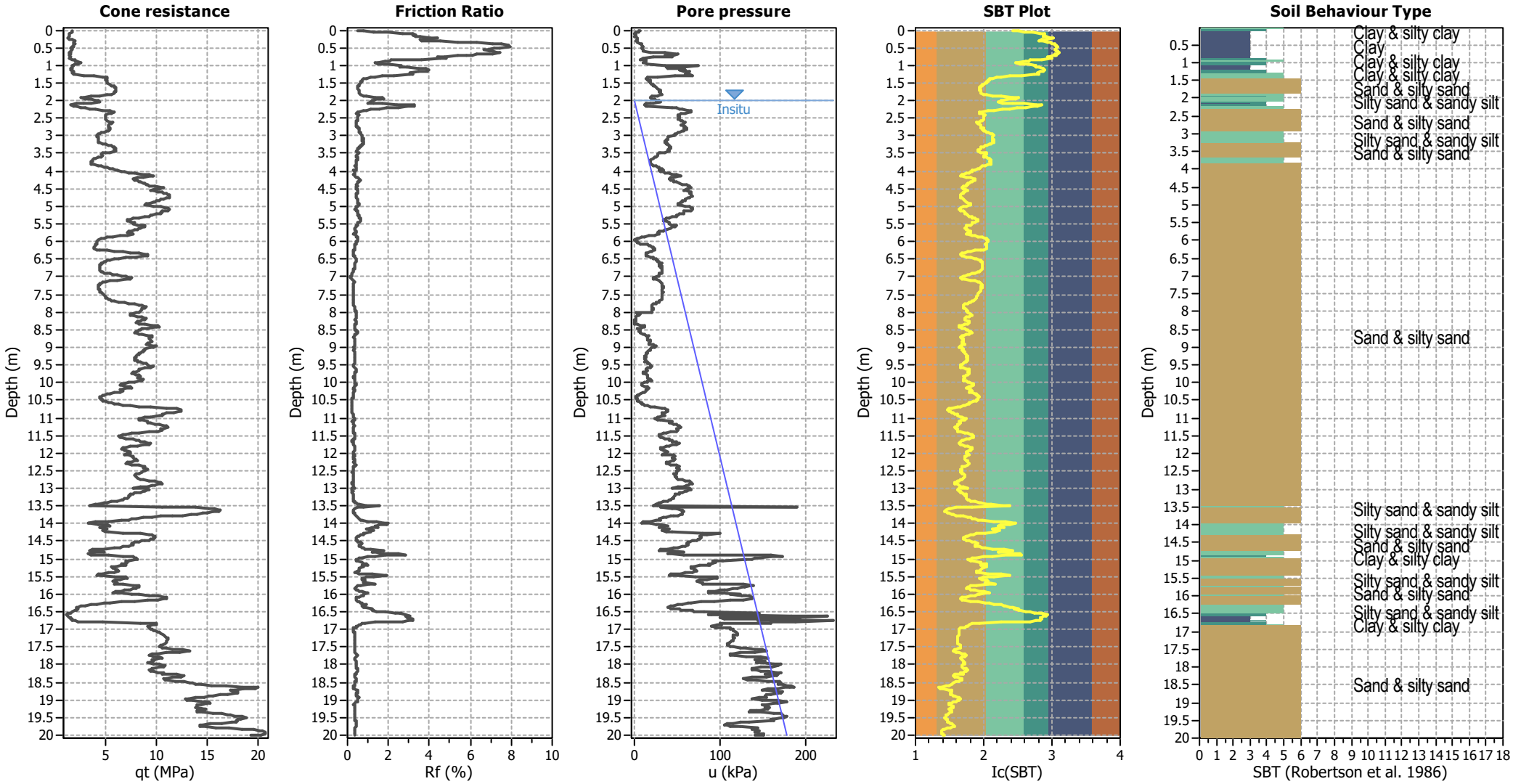






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



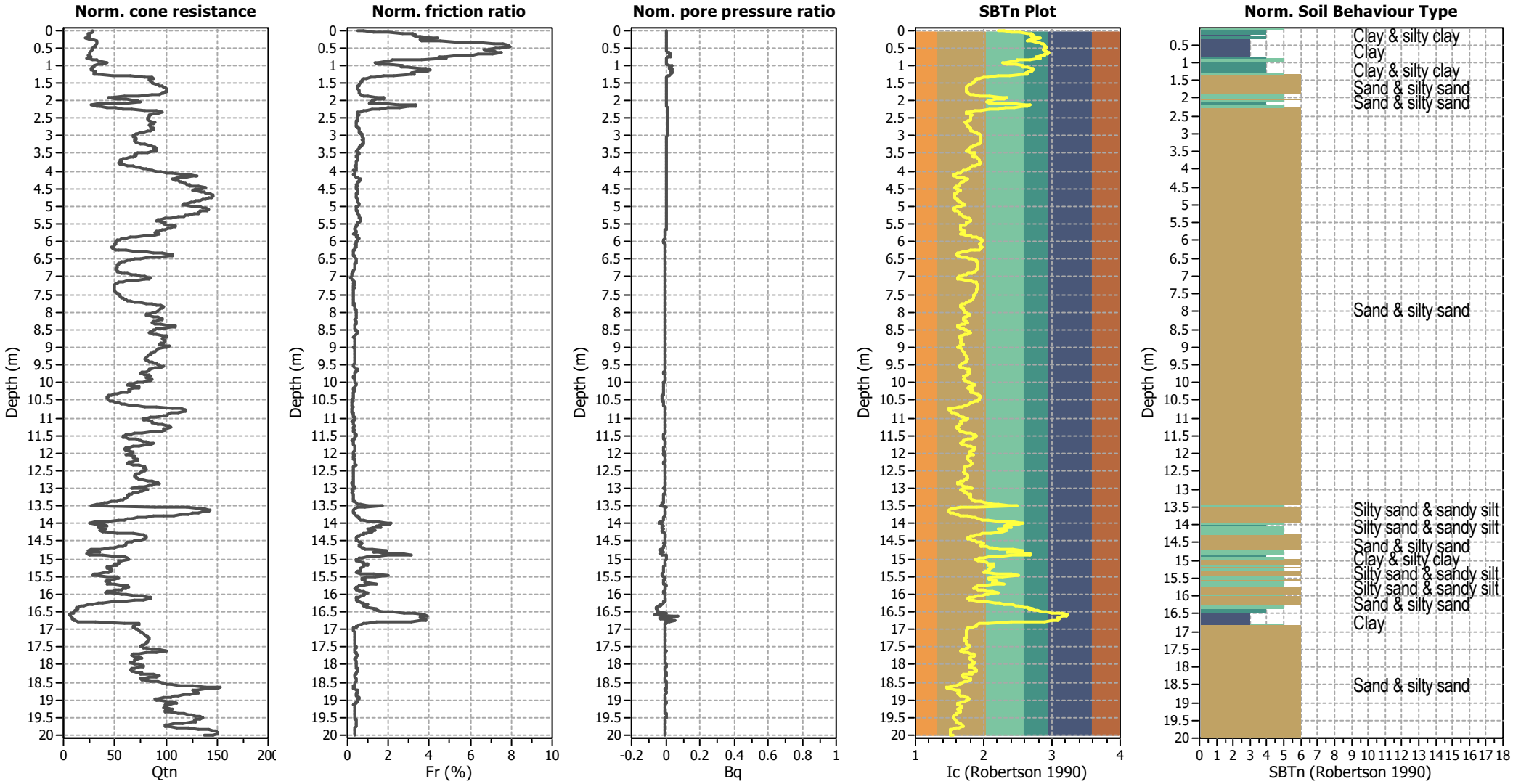
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



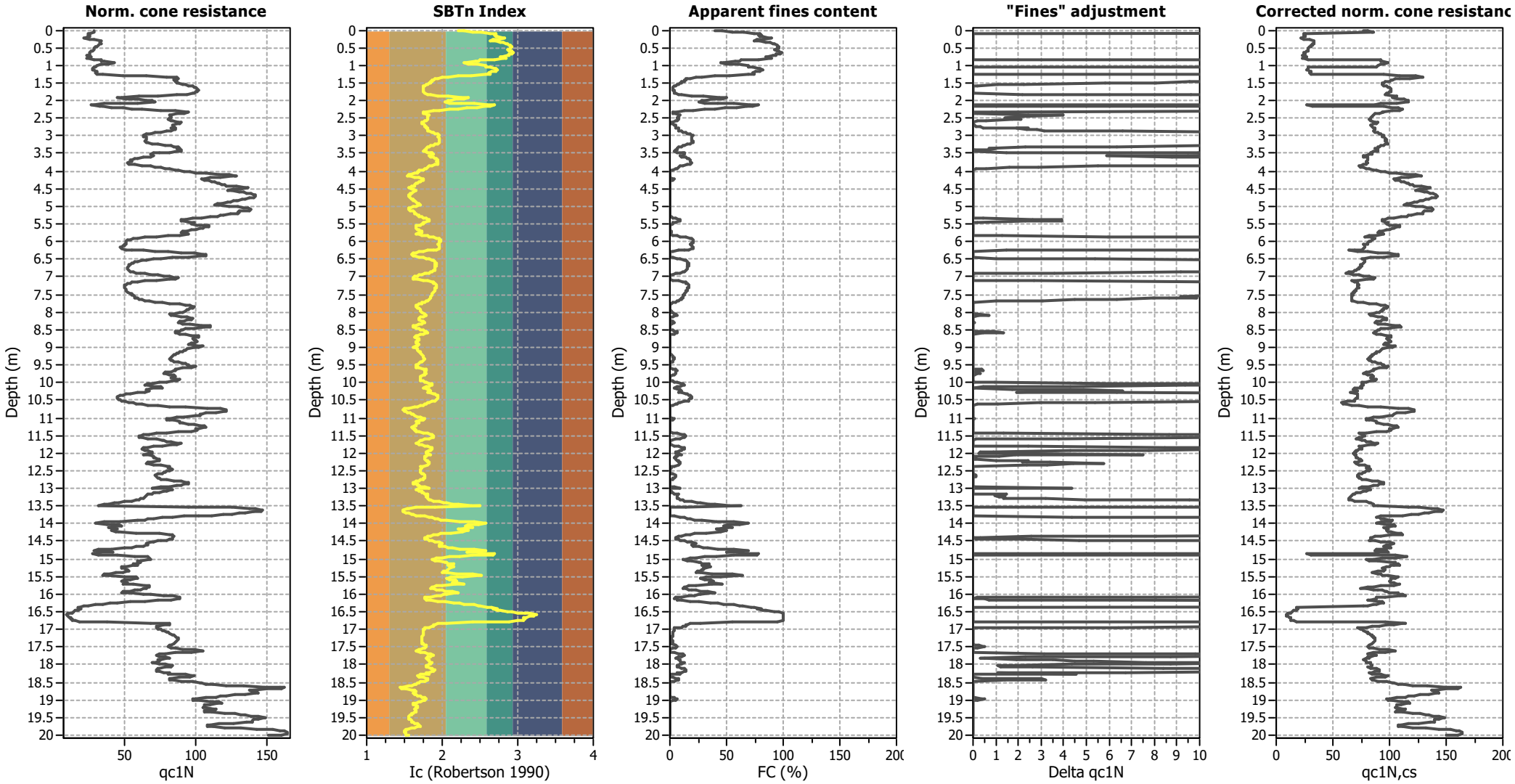
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

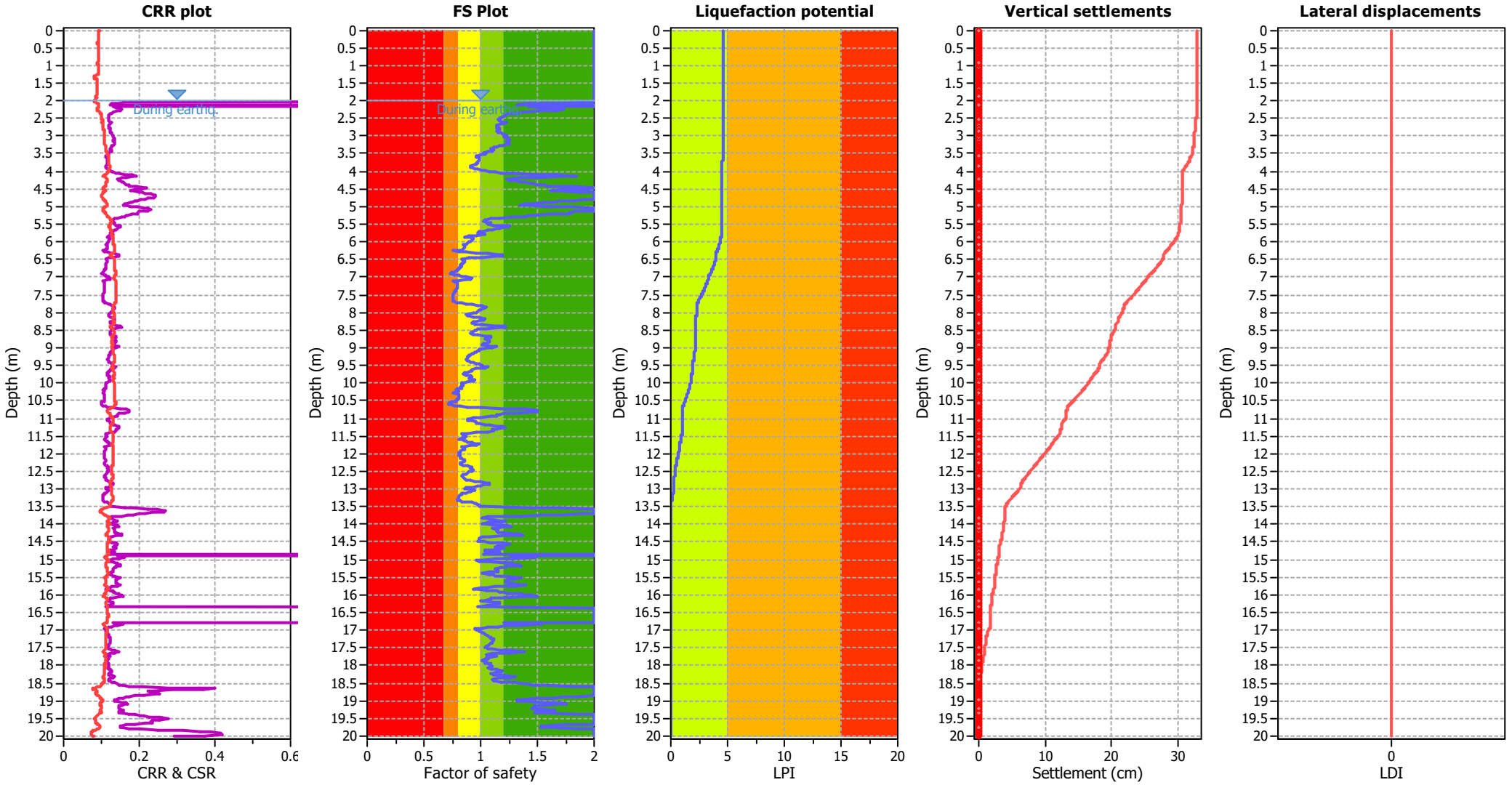
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

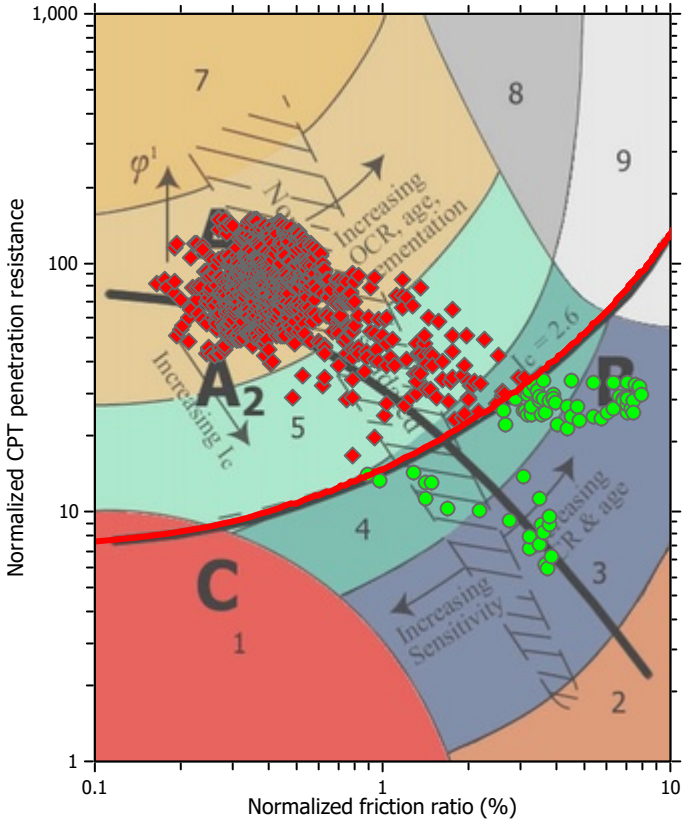
F.S. color scheme

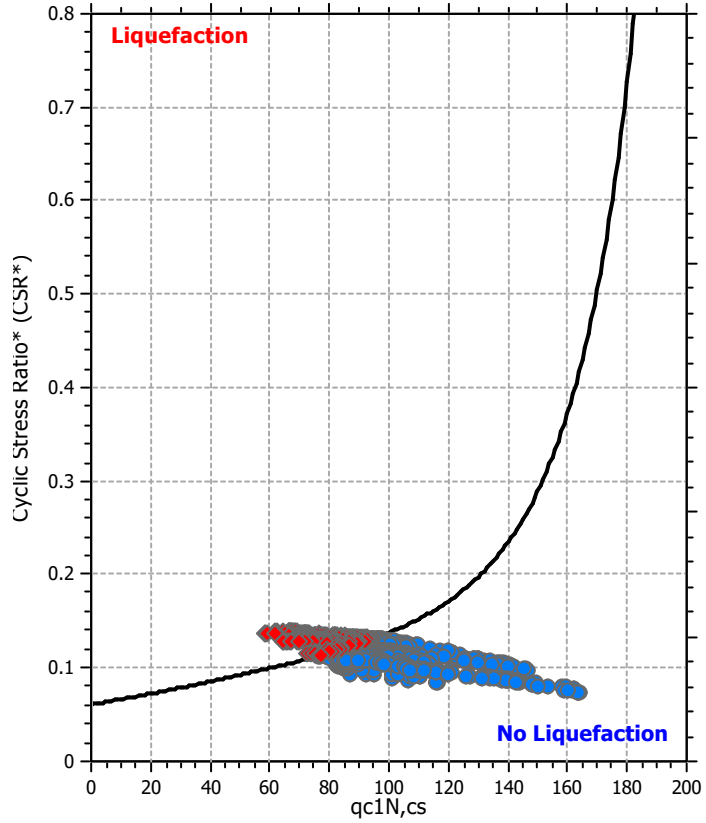
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

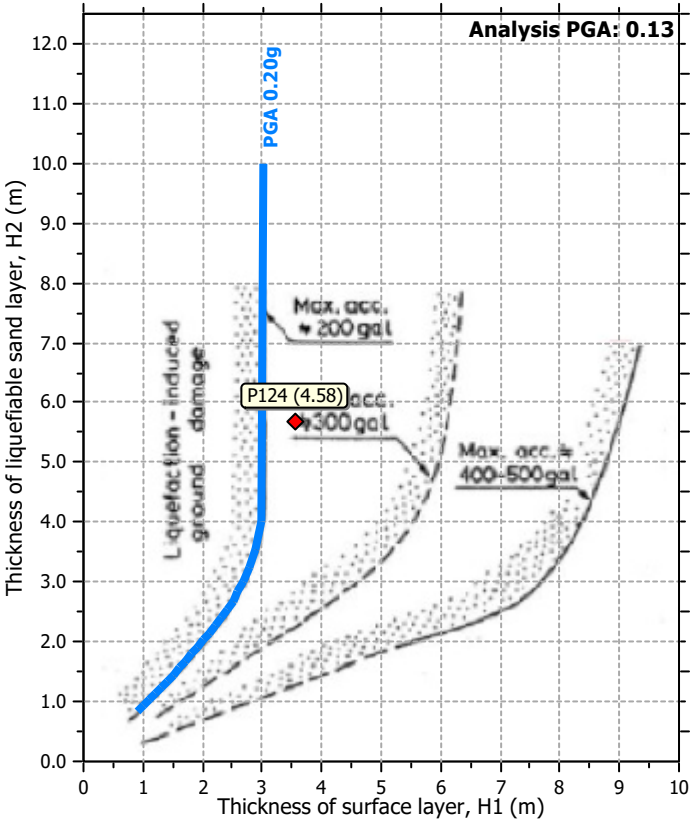
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



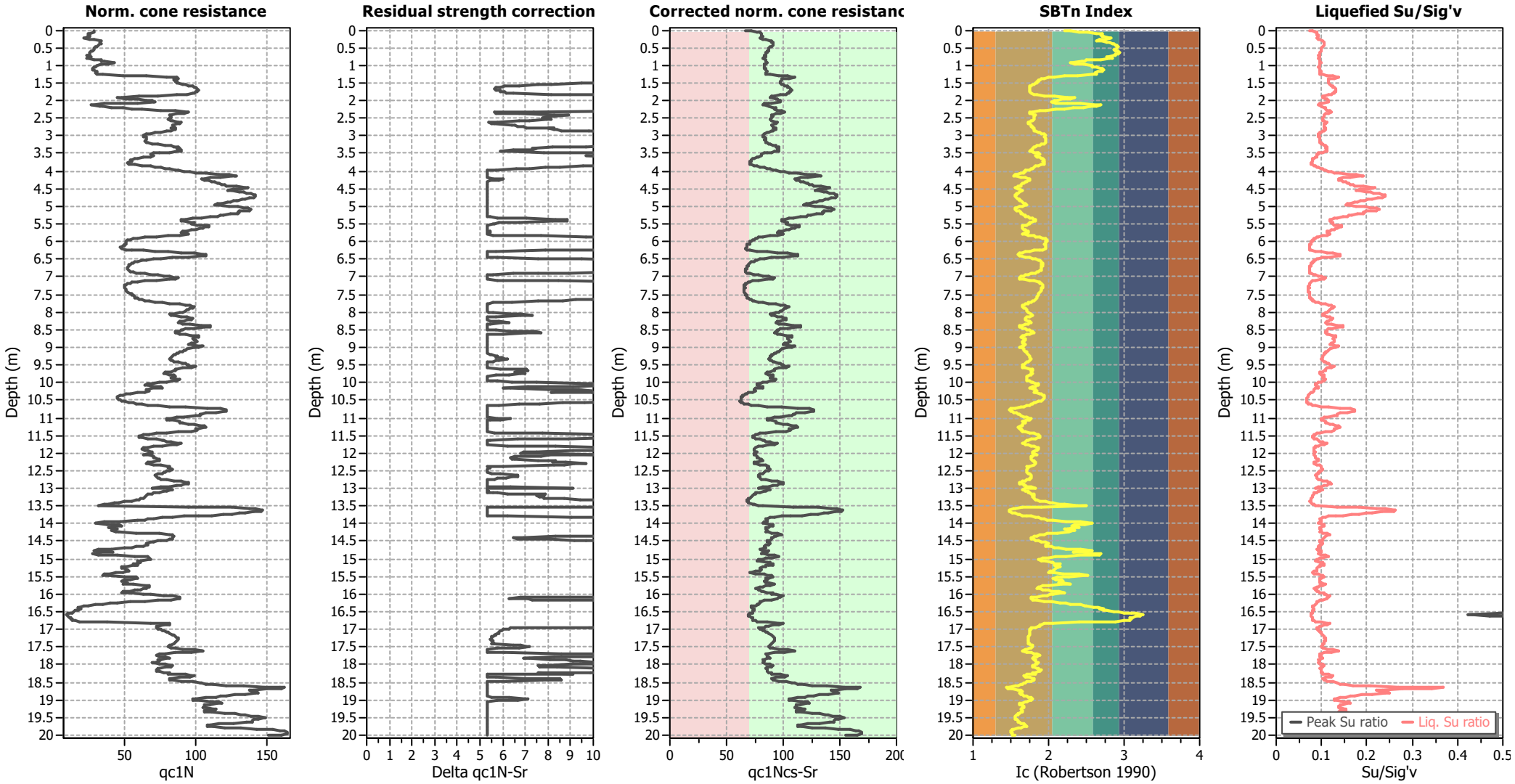




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.99	0.00	0.00	0.02	0.00	2.04	1.96	0.00	0.00	0.02	0.00
2.06	1.69	0.00	0.00	0.02	0.00	2.08	1.57	0.00	0.00	0.02	0.00
2.10	1.41	0.00	0.00	0.02	0.00	2.12	1.32	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	1.43	0.00	0.00	0.02	0.00	2.20	1.53	0.00	0.00	0.02	0.00
2.22	1.65	0.00	0.00	0.02	0.00	2.24	1.72	0.00	0.00	0.02	0.00
2.26	1.73	0.00	0.00	0.02	0.00	2.28	1.67	0.00	0.00	0.02	0.00
2.30	1.53	0.00	0.00	0.02	0.00	2.32	1.37	0.00	0.00	0.02	0.00
2.34	1.38	0.00	0.00	0.02	0.00	2.36	1.31	0.00	0.00	0.02	0.00
2.38	1.24	0.00	0.00	0.02	0.00	2.40	1.22	0.00	0.00	0.02	0.00
2.42	1.22	0.00	0.00	0.02	0.00	2.44	1.20	0.00	0.00	0.02	0.00
2.46	1.20	0.00	0.00	0.02	0.00	2.48	1.18	0.00	0.00	0.02	0.00
2.50	1.17	0.00	0.00	0.02	0.00	2.52	1.16	0.00	0.00	0.02	0.00
2.54	1.16	0.00	0.00	0.02	0.00	2.56	1.16	0.00	0.00	0.02	0.00
2.58	1.17	0.00	0.00	0.02	0.00	2.60	1.20	0.00	0.00	0.02	0.00
2.62	1.23	0.00	0.00	0.02	0.00	2.64	1.21	0.00	0.00	0.02	0.00
2.66	1.18	0.00	0.00	0.02	0.00	2.68	1.14	0.00	0.00	0.02	0.00
2.70	1.14	0.00	0.00	0.02	0.00	2.72	1.15	0.00	0.00	0.02	0.00
2.74	1.14	0.00	0.00	0.02	0.00	2.76	1.15	0.00	0.00	0.02	0.00
2.78	1.15	0.00	0.00	0.02	0.00	2.80	1.17	0.00	0.00	0.02	0.00
2.82	1.17	0.00	0.00	0.02	0.00	2.84	1.16	0.00	0.00	0.02	0.00
2.86	1.14	0.00	0.00	0.02	0.00	2.88	1.14	0.00	0.00	0.02	0.00
2.90	1.16	0.00	0.00	0.02	0.00	2.92	1.17	0.00	0.00	0.02	0.00
2.94	1.20	0.00	0.00	0.02	0.00	2.96	1.21	0.00	0.00	0.02	0.00
2.98	1.23	0.00	0.00	0.02	0.00	3.00	1.23	0.00	0.00	0.02	0.00
3.02	1.21	0.00	0.00	0.02	0.00	3.04	1.23	0.00	0.00	0.02	0.00
3.06	1.25	0.00	0.00	0.02	0.00	3.08	1.25	0.00	0.00	0.02	0.00
3.10	1.25	0.00	0.00	0.02	0.00	3.12	1.23	0.00	0.00	0.02	0.00
3.14	1.23	0.00	0.00	0.02	0.00	3.16	1.24	0.00	0.00	0.02	0.00
3.18	1.24	0.00	0.00	0.02	0.00	3.20	1.25	0.00	0.00	0.02	0.00
3.22	1.26	0.00	0.00	0.02	0.00	3.24	1.23	0.00	0.00	0.02	0.00
3.26	1.19	0.00	0.00	0.02	0.00	3.28	1.16	0.00	0.00	0.02	0.00
3.30	1.14	0.00	0.00	0.02	0.00	3.32	1.12	0.00	0.00	0.02	0.00
3.34	1.11	0.00	0.00	0.02	0.00	3.36	1.09	0.00	0.00	0.02	0.00
3.38	1.09	0.00	0.00	0.02	0.00	3.40	1.11	0.00	0.00	0.02	0.00
3.42	1.11	0.00	0.00	0.02	0.00	3.44	1.07	0.00	0.00	0.02	0.00
3.46	1.03	0.00	0.00	0.02	0.00	3.48	1.04	0.00	0.00	0.02	0.00
3.50	1.05	0.00	0.00	0.02	0.00	3.52	1.04	0.00	0.00	0.02	0.00
3.54	1.02	0.00	0.00	0.02	0.00	3.56	0.98	0.00	0.00	0.02	0.00
3.58	0.96	0.00	0.00	0.02	0.01	3.60	0.96	0.00	0.00	0.02	0.01
3.62	0.99	0.00	0.00	0.02	0.00	3.64	0.99	0.00	0.00	0.02	0.00
3.66	0.99	0.00	0.00	0.02	0.00	3.68	0.99	0.00	0.00	0.02	0.00
3.70	0.99	0.00	0.00	0.02	0.00	3.72	0.97	0.00	0.00	0.02	0.00
3.74	0.97	0.00	0.00	0.02	0.00	3.76	0.97	0.00	0.00	0.02	0.00
3.78	0.97	0.00	0.00	0.02	0.01	3.80	0.96	0.00	0.00	0.02	0.01
3.82	0.94	0.00	0.00	0.02	0.01	3.84	0.91	0.00	0.00	0.02	0.01
3.86	0.90	0.00	0.00	0.02	0.02	3.88	0.91	0.00	0.00	0.02	0.01
3.90	0.93	0.00	0.00	0.02	0.01	3.92	0.95	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	0.98	0.00	0.00	0.02	0.00	3.96	1.01	0.00	0.00	0.02	0.00
3.98	1.04	0.00	0.00	0.02	0.00	4.00	1.08	0.00	0.00	0.02	0.00
4.02	1.13	0.00	0.00	0.02	0.00	4.04	1.19	0.00	0.00	0.02	0.00
4.06	1.30	0.00	0.00	0.02	0.00	4.08	1.48	0.00	0.00	0.02	0.00
4.10	1.67	0.00	0.00	0.02	0.00	4.12	1.81	0.00	0.00	0.02	0.00
4.14	1.84	0.00	0.00	0.02	0.00	4.16	1.72	0.00	0.00	0.02	0.00
4.18	1.50	0.00	0.00	0.02	0.00	4.20	1.34	0.00	0.00	0.02	0.00
4.22	1.26	0.00	0.00	0.02	0.00	4.24	1.23	0.00	0.00	0.02	0.00
4.26	1.26	0.00	0.00	0.02	0.00	4.28	1.32	0.00	0.00	0.02	0.00
4.30	1.35	0.00	0.00	0.02	0.00	4.32	1.39	0.00	0.00	0.02	0.00
4.34	1.44	0.00	0.00	0.02	0.00	4.36	1.46	0.00	0.00	0.02	0.00
4.38	1.50	0.00	0.00	0.02	0.00	4.40	1.56	0.00	0.00	0.02	0.00
4.42	1.59	0.00	0.00	0.02	0.00	4.44	1.81	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	1.93	0.00	0.00	0.02	0.00	4.52	1.73	0.00	0.00	0.02	0.00
4.54	1.61	0.00	0.00	0.02	0.00	4.56	1.69	0.00	0.00	0.02	0.00
4.58	1.87	0.00	0.00	0.02	0.00	4.60	1.99	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	1.91	0.00	0.00	0.02	0.00
4.82	1.83	0.00	0.00	0.02	0.00	4.84	1.78	0.00	0.00	0.02	0.00
4.86	1.71	0.00	0.00	0.02	0.00	4.88	1.64	0.00	0.00	0.02	0.00
4.90	1.57	0.00	0.00	0.02	0.00	4.92	1.47	0.00	0.00	0.02	0.00
4.94	1.40	0.00	0.00	0.02	0.00	4.96	1.35	0.00	0.00	0.02	0.00
4.98	1.42	0.00	0.00	0.02	0.00	5.00	1.59	0.00	0.00	0.02	0.00
5.02	1.81	0.00	0.00	0.02	0.00	5.04	1.97	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	1.83	0.00	0.00	0.02	0.00	5.16	1.78	0.00	0.00	0.02	0.00
5.18	1.81	0.00	0.00	0.02	0.00	5.20	1.77	0.00	0.00	0.02	0.00
5.22	1.61	0.00	0.00	0.02	0.00	5.24	1.48	0.00	0.00	0.02	0.00
5.26	1.42	0.00	0.00	0.02	0.00	5.28	1.38	0.00	0.00	0.02	0.00
5.30	1.28	0.00	0.00	0.02	0.00	5.32	1.17	0.00	0.00	0.02	0.00
5.34	1.09	0.00	0.00	0.02	0.00	5.36	1.06	0.00	0.00	0.02	0.00
5.38	1.03	0.00	0.00	0.02	0.00	5.40	1.03	0.00	0.00	0.02	0.00
5.42	1.04	0.00	0.00	0.02	0.00	5.44	1.06	0.00	0.00	0.02	0.00
5.46	1.09	0.00	0.00	0.02	0.00	5.48	1.07	0.00	0.00	0.02	0.00
5.50	1.07	0.00	0.00	0.02	0.00	5.52	1.12	0.00	0.00	0.02	0.00
5.54	1.19	0.00	0.00	0.02	0.00	5.56	1.25	0.00	0.00	0.02	0.00
5.58	1.24	0.00	0.00	0.02	0.00	5.60	1.20	0.00	0.00	0.02	0.00
5.62	1.17	0.00	0.00	0.02	0.00	5.64	1.14	0.00	0.00	0.02	0.00
5.66	1.11	0.00	0.00	0.02	0.00	5.68	1.06	0.00	0.00	0.02	0.00
5.70	1.03	0.00	0.00	0.02	0.00	5.72	0.99	0.00	0.00	0.02	0.00
5.74	0.97	0.00	0.00	0.02	0.00	5.76	1.00	0.00	0.00	0.02	0.00
5.78	1.04	0.00	0.00	0.02	0.00	5.80	1.03	0.00	0.00	0.02	0.00
5.82	0.97	0.00	0.00	0.02	0.00	5.84	0.90	0.00	0.00	0.02	0.01
5.86	0.86	0.00	0.00	0.02	0.02	5.88	0.91	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.93	0.00	0.00	0.02	0.01	5.92	0.94	0.00	0.00	0.02	0.01
5.94	0.93	0.00	0.00	0.02	0.01	5.96	0.92	0.00	0.00	0.02	0.01
5.98	0.91	0.00	0.00	0.02	0.01	6.00	0.89	0.00	0.00	0.02	0.01
6.02	0.89	0.00	0.00	0.02	0.02	6.04	0.89	0.00	0.00	0.02	0.02
6.06	0.88	0.00	0.00	0.02	0.02	6.08	0.85	0.00	0.00	0.02	0.02
6.10	0.86	0.00	0.00	0.02	0.02	6.12	0.86	0.00	0.00	0.02	0.02
6.14	0.86	0.00	0.00	0.02	0.02	6.16	0.86	0.00	0.00	0.02	0.02
6.18	0.85	0.00	0.00	0.02	0.02	6.20	0.85	0.00	0.00	0.02	0.02
6.22	0.83	0.00	0.00	0.02	0.02	6.24	0.79	0.00	0.00	0.02	0.03
6.26	0.76	0.00	0.00	0.02	0.03	6.28	0.80	0.00	0.00	0.02	0.03
6.30	0.88	0.00	0.00	0.02	0.02	6.32	0.97	0.00	0.00	0.02	0.00
6.34	1.06	0.00	0.00	0.02	0.00	6.36	1.15	0.00	0.00	0.02	0.00
6.38	1.19	0.00	0.00	0.02	0.00	6.40	1.19	0.00	0.00	0.02	0.00
6.42	1.13	0.00	0.00	0.02	0.00	6.44	1.01	0.00	0.00	0.02	0.00
6.46	0.90	0.00	0.00	0.02	0.01	6.48	0.84	0.00	0.00	0.02	0.02
6.50	0.83	0.00	0.00	0.02	0.02	6.52	0.85	0.00	0.00	0.02	0.02
6.54	0.86	0.00	0.00	0.02	0.02	6.56	0.86	0.00	0.00	0.02	0.02
6.58	0.85	0.00	0.00	0.02	0.02	6.60	0.84	0.00	0.00	0.02	0.02
6.62	0.84	0.00	0.00	0.02	0.02	6.64	0.83	0.00	0.00	0.02	0.02
6.66	0.82	0.00	0.00	0.02	0.02	6.68	0.83	0.00	0.00	0.02	0.02
6.70	0.82	0.00	0.00	0.02	0.02	6.72	0.81	0.00	0.00	0.02	0.02
6.74	0.81	0.00	0.00	0.02	0.03	6.76	0.81	0.00	0.00	0.02	0.03
6.78	0.80	0.00	0.00	0.02	0.03	6.80	0.79	0.00	0.00	0.02	0.03
6.82	0.78	0.00	0.00	0.02	0.03	6.84	0.77	0.00	0.00	0.02	0.03
6.86	0.75	0.00	0.00	0.02	0.03	6.88	0.73	0.00	0.00	0.02	0.04
6.90	0.73	0.00	0.00	0.02	0.03	6.92	0.75	0.00	0.00	0.02	0.03
6.94	0.77	0.00	0.00	0.02	0.03	6.96	0.81	0.00	0.00	0.02	0.03
6.98	0.84	0.00	0.00	0.02	0.02	7.00	0.88	0.00	0.00	0.02	0.02
7.02	0.91	0.00	0.00	0.02	0.01	7.04	0.93	0.00	0.00	0.02	0.01
7.06	0.91	0.00	0.00	0.02	0.01	7.08	0.87	0.00	0.00	0.02	0.02
7.10	0.80	0.00	0.00	0.02	0.03	7.12	0.76	0.00	0.00	0.02	0.03
7.14	0.78	0.00	0.00	0.02	0.03	7.16	0.80	0.00	0.00	0.02	0.03
7.18	0.79	0.00	0.00	0.02	0.03	7.20	0.79	0.00	0.00	0.02	0.03
7.22	0.80	0.00	0.00	0.02	0.03	7.24	0.80	0.00	0.00	0.02	0.03
7.26	0.79	0.00	0.00	0.02	0.03	7.28	0.79	0.00	0.00	0.02	0.03
7.30	0.80	0.00	0.00	0.02	0.03	7.32	0.79	0.00	0.00	0.02	0.03
7.34	0.79	0.00	0.00	0.02	0.03	7.36	0.78	0.00	0.00	0.02	0.03
7.38	0.78	0.00	0.00	0.02	0.03	7.40	0.78	0.00	0.00	0.02	0.03
7.42	0.77	0.00	0.00	0.02	0.03	7.44	0.77	0.00	0.00	0.02	0.03
7.46	0.76	0.00	0.00	0.02	0.03	7.48	0.76	0.00	0.00	0.02	0.03
7.50	0.76	0.00	0.00	0.02	0.03	7.52	0.76	0.00	0.00	0.02	0.03
7.54	0.75	0.00	0.00	0.02	0.03	7.56	0.75	0.00	0.00	0.02	0.03
7.58	0.76	0.00	0.00	0.02	0.03	7.60	0.76	0.00	0.00	0.02	0.03
7.62	0.76	0.00	0.00	0.02	0.03	7.64	0.76	0.00	0.00	0.02	0.03
7.66	0.75	0.00	0.00	0.02	0.03	7.68	0.76	0.00	0.00	0.02	0.03
7.70	0.76	0.00	0.00	0.02	0.03	7.72	0.79	0.00	0.00	0.02	0.03
7.74	0.83	0.00	0.00	0.02	0.02	7.76	0.87	0.00	0.00	0.02	0.02
7.78	0.93	0.00	0.00	0.02	0.01	7.80	0.97	0.00	0.00	0.02	0.00
7.82	1.01	0.00	0.00	0.02	0.00	7.84	1.04	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	1.06	0.00	0.00	0.02	0.00	7.88	1.03	0.00	0.00	0.02	0.00
7.90	1.01	0.00	0.00	0.02	0.00	7.92	1.00	0.00	0.00	0.02	0.00
7.94	0.99	0.00	0.00	0.02	0.00	7.96	0.98	0.00	0.00	0.02	0.00
7.98	0.97	0.00	0.00	0.02	0.00	8.00	0.96	0.00	0.00	0.02	0.00
8.02	0.93	0.00	0.00	0.02	0.01	8.04	0.89	0.00	0.00	0.02	0.01
8.06	0.87	0.00	0.00	0.02	0.02	8.08	0.88	0.00	0.00	0.02	0.01
8.10	0.90	0.00	0.00	0.02	0.01	8.12	0.94	0.00	0.00	0.02	0.01
8.14	0.99	0.00	0.00	0.02	0.00	8.16	1.02	0.00	0.00	0.02	0.00
8.18	1.04	0.00	0.00	0.02	0.00	8.20	1.03	0.00	0.00	0.02	0.00
8.22	1.00	0.00	0.00	0.02	0.00	8.24	0.97	0.00	0.00	0.02	0.00
8.26	0.93	0.00	0.00	0.02	0.01	8.28	0.92	0.00	0.00	0.02	0.01
8.30	0.93	0.00	0.00	0.02	0.01	8.32	0.93	0.00	0.00	0.02	0.01
8.34	0.95	0.00	0.00	0.02	0.01	8.36	1.01	0.00	0.00	0.02	0.00
8.38	1.12	0.00	0.00	0.02	0.00	8.40	1.21	0.00	0.00	0.02	0.00
8.42	1.22	0.00	0.00	0.02	0.00	8.44	1.16	0.00	0.00	0.02	0.00
8.46	1.05	0.00	0.00	0.02	0.00	8.48	0.98	0.00	0.00	0.02	0.00
8.50	0.96	0.00	0.00	0.02	0.00	8.52	0.95	0.00	0.00	0.02	0.01
8.54	0.93	0.00	0.00	0.02	0.01	8.56	0.92	0.00	0.00	0.02	0.01
8.58	0.92	0.00	0.00	0.02	0.01	8.60	0.92	0.00	0.00	0.02	0.01
8.62	0.93	0.00	0.00	0.02	0.01	8.64	0.98	0.00	0.00	0.02	0.00
8.66	1.03	0.00	0.00	0.02	0.00	8.68	1.10	0.00	0.00	0.02	0.00
8.70	1.10	0.00	0.00	0.02	0.00	8.72	1.06	0.00	0.00	0.02	0.00
8.74	1.04	0.00	0.00	0.02	0.00	8.76	1.05	0.00	0.00	0.02	0.00
8.78	1.06	0.00	0.00	0.02	0.00	8.80	1.07	0.00	0.00	0.02	0.00
8.82	1.08	0.00	0.00	0.02	0.00	8.84	1.08	0.00	0.00	0.02	0.00
8.86	1.05	0.00	0.00	0.02	0.00	8.88	1.03	0.00	0.00	0.02	0.00
8.90	1.01	0.00	0.00	0.02	0.00	8.92	1.03	0.00	0.00	0.02	0.00
8.94	1.08	0.00	0.00	0.02	0.00	8.96	1.13	0.00	0.00	0.02	0.00
8.98	1.14	0.00	0.00	0.02	0.00	9.00	1.10	0.00	0.00	0.02	0.00
9.02	1.06	0.00	0.00	0.02	0.00	9.04	0.99	0.00	0.00	0.02	0.00
9.06	0.99	0.00	0.00	0.02	0.00	9.08	0.98	0.00	0.00	0.02	0.00
9.10	0.97	0.00	0.00	0.02	0.00	9.12	0.96	0.00	0.00	0.02	0.00
9.14	0.94	0.00	0.00	0.02	0.01	9.16	0.93	0.00	0.00	0.02	0.01
9.18	0.92	0.00	0.00	0.02	0.01	9.20	0.92	0.00	0.00	0.02	0.01
9.22	0.90	0.00	0.00	0.02	0.01	9.24	0.90	0.00	0.00	0.02	0.01
9.26	0.89	0.00	0.00	0.02	0.01	9.28	0.89	0.00	0.00	0.02	0.01
9.30	0.88	0.00	0.00	0.02	0.01	9.32	0.87	0.00	0.00	0.02	0.01
9.34	0.87	0.00	0.00	0.02	0.01	9.36	0.88	0.00	0.00	0.02	0.01
9.38	0.90	0.00	0.00	0.02	0.01	9.40	0.91	0.00	0.00	0.02	0.01
9.42	0.93	0.00	0.00	0.02	0.01	9.44	0.96	0.00	0.00	0.02	0.00
9.46	0.98	0.00	0.00	0.02	0.00	9.48	1.00	0.00	0.00	0.02	0.00
9.50	1.01	0.00	0.00	0.02	0.00	9.52	1.01	0.00	0.00	0.02	0.00
9.54	1.07	0.00	0.00	0.02	0.00	9.56	1.04	0.00	0.00	0.02	0.00
9.58	0.97	0.00	0.00	0.02	0.00	9.60	0.93	0.00	0.00	0.02	0.01
9.62	0.92	0.00	0.00	0.02	0.01	9.64	0.92	0.00	0.00	0.02	0.01
9.66	0.92	0.00	0.00	0.02	0.01	9.68	0.91	0.00	0.00	0.02	0.01
9.70	0.89	0.00	0.00	0.02	0.01	9.72	0.86	0.00	0.00	0.02	0.01
9.74	0.84	0.00	0.00	0.02	0.02	9.76	0.85	0.00	0.00	0.02	0.02
9.78	0.88	0.00	0.00	0.02	0.01	9.80	0.91	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.92	0.00	0.00	0.02	0.01	9.84	0.90	0.00	0.00	0.02	0.01
9.86	0.89	0.00	0.00	0.02	0.01	9.88	0.90	0.00	0.00	0.02	0.01
9.90	0.93	0.00	0.00	0.02	0.01	9.92	0.95	0.00	0.00	0.02	0.01
9.94	0.93	0.00	0.00	0.02	0.01	9.96	0.90	0.00	0.00	0.02	0.01
9.98	0.86	0.00	0.00	0.02	0.01	10.00	0.83	0.00	0.00	0.02	0.02
10.02	0.83	0.00	0.00	0.02	0.02	10.04	0.84	0.00	0.00	0.02	0.02
10.06	0.85	0.00	0.00	0.02	0.02	10.08	0.83	0.00	0.00	0.02	0.02
10.10	0.82	0.00	0.00	0.02	0.02	10.12	0.83	0.00	0.00	0.02	0.02
10.14	0.84	0.00	0.00	0.02	0.02	10.16	0.79	0.00	0.00	0.02	0.02
10.18	0.78	0.00	0.00	0.02	0.02	10.20	0.79	0.00	0.00	0.02	0.02
10.22	0.81	0.00	0.00	0.02	0.02	10.24	0.80	0.00	0.00	0.02	0.02
10.26	0.77	0.00	0.00	0.02	0.02	10.28	0.76	0.00	0.00	0.02	0.02
10.30	0.81	0.00	0.00	0.02	0.02	10.32	0.81	0.00	0.00	0.02	0.02
10.34	0.80	0.00	0.00	0.02	0.02	10.36	0.80	0.00	0.00	0.02	0.02
10.38	0.81	0.00	0.00	0.02	0.02	10.40	0.81	0.00	0.00	0.02	0.02
10.42	0.81	0.00	0.00	0.02	0.02	10.44	0.80	0.00	0.00	0.02	0.02
10.46	0.80	0.00	0.00	0.02	0.02	10.48	0.79	0.00	0.00	0.02	0.02
10.50	0.79	0.00	0.00	0.02	0.02	10.52	0.79	0.00	0.00	0.02	0.02
10.54	0.74	0.00	0.00	0.02	0.02	10.56	0.72	0.00	0.00	0.02	0.03
10.58	0.72	0.00	0.00	0.02	0.03	10.60	0.72	0.00	0.00	0.02	0.03
10.62	0.74	0.00	0.00	0.02	0.02	10.64	0.77	0.00	0.00	0.02	0.02
10.66	0.82	0.00	0.00	0.02	0.02	10.68	0.89	0.00	0.00	0.02	0.01
10.70	1.00	0.00	0.00	0.02	0.00	10.72	1.21	0.00	0.00	0.02	0.00
10.74	1.40	0.00	0.00	0.02	0.00	10.76	1.50	0.00	0.00	0.02	0.00
10.78	1.50	0.00	0.00	0.02	0.00	10.80	1.50	0.00	0.00	0.02	0.00
10.82	1.47	0.00	0.00	0.02	0.00	10.84	1.34	0.00	0.00	0.02	0.00
10.86	1.20	0.00	0.00	0.02	0.00	10.88	1.16	0.00	0.00	0.02	0.00
10.90	1.14	0.00	0.00	0.02	0.00	10.92	1.14	0.00	0.00	0.02	0.00
10.94	1.09	0.00	0.00	0.02	0.00	10.96	1.00	0.00	0.00	0.02	0.00
10.98	0.94	0.00	0.00	0.02	0.01	11.00	0.90	0.00	0.00	0.02	0.01
11.02	0.88	0.00	0.00	0.02	0.01	11.04	0.88	0.00	0.00	0.02	0.01
11.06	0.90	0.00	0.00	0.02	0.01	11.08	0.92	0.00	0.00	0.02	0.01
11.10	0.96	0.00	0.00	0.02	0.00	11.12	0.96	0.00	0.00	0.02	0.00
11.14	0.96	0.00	0.00	0.02	0.00	11.16	0.98	0.00	0.00	0.02	0.00
11.18	1.03	0.00	0.00	0.02	0.00	11.20	1.08	0.00	0.00	0.02	0.00
11.22	1.14	0.00	0.00	0.02	0.00	11.24	1.19	0.00	0.00	0.02	0.00
11.26	1.22	0.00	0.00	0.02	0.00	11.28	1.20	0.00	0.00	0.02	0.00
11.30	1.14	0.00	0.00	0.02	0.00	11.32	1.11	0.00	0.00	0.02	0.00
11.34	1.11	0.00	0.00	0.02	0.00	11.36	1.12	0.00	0.00	0.02	0.00
11.38	1.06	0.00	0.00	0.02	0.00	11.40	0.96	0.00	0.00	0.02	0.00
11.42	0.88	0.00	0.00	0.02	0.01	11.44	0.83	0.00	0.00	0.02	0.01
11.46	0.85	0.00	0.00	0.02	0.01	11.48	0.86	0.00	0.00	0.02	0.01
11.50	0.87	0.00	0.00	0.02	0.01	11.52	0.86	0.00	0.00	0.02	0.01
11.54	0.85	0.00	0.00	0.02	0.01	11.56	0.83	0.00	0.00	0.02	0.01
11.58	0.81	0.00	0.00	0.02	0.02	11.60	0.83	0.00	0.00	0.02	0.01
11.62	0.86	0.00	0.00	0.02	0.01	11.64	0.87	0.00	0.00	0.02	0.01
11.66	0.88	0.00	0.00	0.02	0.01	11.68	0.92	0.00	0.00	0.02	0.01
11.70	0.95	0.00	0.00	0.02	0.00	11.72	0.98	0.00	0.00	0.02	0.00
11.74	0.98	0.00	0.00	0.02	0.00	11.76	0.96	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	0.91	0.00	0.00	0.02	0.01	11.80	0.86	0.00	0.00	0.02	0.01
11.82	0.83	0.00	0.00	0.02	0.01	11.84	0.85	0.00	0.00	0.02	0.01
11.86	0.86	0.00	0.00	0.02	0.01	11.88	0.86	0.00	0.00	0.02	0.01
11.90	0.84	0.00	0.00	0.02	0.01	11.92	0.83	0.00	0.00	0.02	0.01
11.94	0.82	0.00	0.00	0.02	0.01	11.96	0.81	0.00	0.00	0.02	0.02
11.98	0.82	0.00	0.00	0.02	0.01	12.00	0.81	0.00	0.00	0.02	0.02
12.02	0.80	0.00	0.00	0.02	0.02	12.04	0.82	0.00	0.00	0.02	0.01
12.06	0.81	0.00	0.00	0.02	0.02	12.08	0.82	0.00	0.00	0.02	0.01
12.10	0.82	0.00	0.00	0.02	0.01	12.12	0.82	0.00	0.00	0.02	0.01
12.14	0.83	0.00	0.00	0.02	0.01	12.16	0.84	0.00	0.00	0.02	0.01
12.18	0.85	0.00	0.00	0.02	0.01	12.20	0.86	0.00	0.00	0.02	0.01
12.22	0.86	0.00	0.00	0.02	0.01	12.24	0.83	0.00	0.00	0.02	0.01
12.26	0.82	0.00	0.00	0.02	0.01	12.28	0.82	0.00	0.00	0.02	0.01
12.30	0.82	0.00	0.00	0.02	0.01	12.32	0.85	0.00	0.00	0.02	0.01
12.34	0.89	0.00	0.00	0.02	0.01	12.36	0.91	0.00	0.00	0.02	0.01
12.38	0.92	0.00	0.00	0.02	0.01	12.40	0.91	0.00	0.00	0.02	0.01
12.42	0.91	0.00	0.00	0.02	0.01	12.44	0.92	0.00	0.00	0.02	0.01
12.46	0.94	0.00	0.00	0.02	0.00	12.48	0.94	0.00	0.00	0.02	0.00
12.50	0.92	0.00	0.00	0.02	0.01	12.52	0.90	0.00	0.00	0.02	0.01
12.54	0.89	0.00	0.00	0.02	0.01	12.56	0.89	0.00	0.00	0.02	0.01
12.58	0.87	0.00	0.00	0.02	0.01	12.60	0.85	0.00	0.00	0.02	0.01
12.62	0.84	0.00	0.00	0.02	0.01	12.64	0.84	0.00	0.00	0.02	0.01
12.66	0.84	0.00	0.00	0.02	0.01	12.68	0.85	0.00	0.00	0.02	0.01
12.70	0.85	0.00	0.00	0.02	0.01	12.72	0.86	0.00	0.00	0.02	0.01
12.74	0.87	0.00	0.00	0.02	0.01	12.76	0.90	0.00	0.00	0.02	0.01
12.78	0.95	0.00	0.00	0.02	0.00	12.80	1.00	0.00	0.00	0.02	0.00
12.82	1.05	0.00	0.00	0.02	0.00	12.84	1.07	0.00	0.00	0.02	0.00
12.86	1.08	0.00	0.00	0.02	0.00	12.88	1.03	0.00	0.00	0.02	0.00
12.90	1.01	0.00	0.00	0.02	0.00	12.92	0.97	0.00	0.00	0.02	0.00
12.94	0.93	0.00	0.00	0.02	0.00	12.96	0.87	0.00	0.00	0.02	0.01
12.98	0.86	0.00	0.00	0.02	0.01	13.00	0.92	0.00	0.00	0.02	0.01
13.02	0.95	0.00	0.00	0.02	0.00	13.04	0.94	0.00	0.00	0.02	0.00
13.06	0.91	0.00	0.00	0.02	0.01	13.08	0.90	0.00	0.00	0.02	0.01
13.10	0.87	0.00	0.00	0.02	0.01	13.12	0.85	0.00	0.00	0.02	0.01
13.14	0.84	0.00	0.00	0.02	0.01	13.16	0.83	0.00	0.00	0.02	0.01
13.18	0.82	0.00	0.00	0.02	0.01	13.20	0.81	0.00	0.00	0.02	0.01
13.22	0.81	0.00	0.00	0.02	0.01	13.24	0.81	0.00	0.00	0.02	0.01
13.26	0.80	0.00	0.00	0.02	0.01	13.28	0.80	0.00	0.00	0.02	0.01
13.30	0.80	0.00	0.00	0.02	0.01	13.32	0.80	0.00	0.00	0.02	0.01
13.34	0.82	0.00	0.00	0.02	0.01	13.36	0.84	0.00	0.00	0.02	0.01
13.38	0.92	0.00	0.00	0.02	0.01	13.40	0.95	0.00	0.00	0.02	0.00
13.42	0.96	0.00	0.00	0.02	0.00	13.44	0.98	0.00	0.00	0.02	0.00
13.46	0.98	0.00	0.00	0.02	0.00	13.48	0.99	0.00	0.00	0.02	0.00
13.50	1.03	0.00	0.00	0.02	0.00	13.52	1.45	0.00	0.00	0.02	0.00
13.54	1.70	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	1.89	0.00	0.00	0.02	0.00	13.72	1.72	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	1.53	0.00	0.00	0.02	0.00	13.76	1.35	0.00	0.00	0.02	0.00
13.78	1.19	0.00	0.00	0.02	0.00	13.80	1.06	0.00	0.00	0.02	0.00
13.82	1.02	0.00	0.00	0.02	0.00	13.84	1.04	0.00	0.00	0.02	0.00
13.86	1.07	0.00	0.00	0.02	0.00	13.88	1.10	0.00	0.00	0.02	0.00
13.90	1.17	0.00	0.00	0.02	0.00	13.92	1.22	0.00	0.00	0.02	0.00
13.94	1.18	0.00	0.00	0.02	0.00	13.96	1.08	0.00	0.00	0.02	0.00
13.98	1.02	0.00	0.00	0.02	0.00	14.00	1.03	0.00	0.00	0.02	0.00
14.02	1.13	0.00	0.00	0.02	0.00	14.04	1.23	0.00	0.00	0.02	0.00
14.06	1.27	0.00	0.00	0.02	0.00	14.08	1.21	0.00	0.00	0.02	0.00
14.10	1.14	0.00	0.00	0.02	0.00	14.12	1.11	0.00	0.00	0.02	0.00
14.14	1.15	0.00	0.00	0.02	0.00	14.16	1.15	0.00	0.00	0.02	0.00
14.18	1.15	0.00	0.00	0.02	0.00	14.20	1.14	0.00	0.00	0.02	0.00
14.22	1.15	0.00	0.00	0.02	0.00	14.24	1.20	0.00	0.00	0.02	0.00
14.26	1.29	0.00	0.00	0.02	0.00	14.28	1.35	0.00	0.00	0.02	0.00
14.30	1.37	0.00	0.00	0.02	0.00	14.32	1.21	0.00	0.00	0.02	0.00
14.34	1.08	0.00	0.00	0.02	0.00	14.36	1.02	0.00	0.00	0.02	0.00
14.38	0.99	0.00	0.00	0.02	0.00	14.40	0.99	0.00	0.00	0.02	0.00
14.42	0.98	0.00	0.00	0.02	0.00	14.44	0.98	0.00	0.00	0.02	0.00
14.46	0.99	0.00	0.00	0.02	0.00	14.48	0.97	0.00	0.00	0.02	0.00
14.50	1.03	0.00	0.00	0.02	0.00	14.52	1.08	0.00	0.00	0.02	0.00
14.54	1.19	0.00	0.00	0.02	0.00	14.56	1.26	0.00	0.00	0.02	0.00
14.58	1.25	0.00	0.00	0.02	0.00	14.60	1.19	0.00	0.00	0.02	0.00
14.62	1.15	0.00	0.00	0.02	0.00	14.64	1.12	0.00	0.00	0.02	0.00
14.66	1.19	0.00	0.00	0.02	0.00	14.68	1.21	0.00	0.00	0.02	0.00
14.70	1.18	0.00	0.00	0.02	0.00	14.72	1.11	0.00	0.00	0.02	0.00
14.74	1.04	0.00	0.00	0.02	0.00	14.76	1.04	0.00	0.00	0.02	0.00
14.78	1.16	0.00	0.00	0.02	0.00	14.80	1.17	0.00	0.00	0.02	0.00
14.82	1.09	0.00	0.00	0.02	0.00	14.84	1.03	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	1.28	0.00	0.00	0.02	0.00	14.92	1.46	0.00	0.00	0.02	0.00
14.94	1.48	0.00	0.00	0.02	0.00	14.96	1.28	0.00	0.00	0.02	0.00
14.98	1.12	0.00	0.00	0.02	0.00	15.00	1.03	0.00	0.00	0.02	0.00
15.02	0.96	0.00	0.00	0.02	0.00	15.04	0.99	0.00	0.00	0.02	0.00
15.06	1.07	0.00	0.00	0.02	0.00	15.08	1.23	0.00	0.00	0.02	0.00
15.10	1.28	0.00	0.00	0.02	0.00	15.12	1.28	0.00	0.00	0.02	0.00
15.14	1.34	0.00	0.00	0.02	0.00	15.16	1.36	0.00	0.00	0.02	0.00
15.18	1.27	0.00	0.00	0.02	0.00	15.20	1.24	0.00	0.00	0.02	0.00
15.22	1.21	0.00	0.00	0.02	0.00	15.24	1.18	0.00	0.00	0.02	0.00
15.26	1.13	0.00	0.00	0.02	0.00	15.28	1.14	0.00	0.00	0.02	0.00
15.30	1.15	0.00	0.00	0.02	0.00	15.32	1.15	0.00	0.00	0.02	0.00
15.34	1.15	0.00	0.00	0.02	0.00	15.36	1.08	0.00	0.00	0.02	0.00
15.38	1.02	0.00	0.00	0.02	0.00	15.40	1.02	0.00	0.00	0.02	0.00
15.42	1.07	0.00	0.00	0.02	0.00	15.44	1.11	0.00	0.00	0.02	0.00
15.46	1.13	0.00	0.00	0.02	0.00	15.48	1.20	0.00	0.00	0.02	0.00
15.50	1.33	0.00	0.00	0.02	0.00	15.52	1.37	0.00	0.00	0.02	0.00
15.54	1.30	0.00	0.00	0.02	0.00	15.56	1.25	0.00	0.00	0.02	0.00
15.58	1.24	0.00	0.00	0.02	0.00	15.60	1.24	0.00	0.00	0.02	0.00
15.62	1.22	0.00	0.00	0.02	0.00	15.64	1.22	0.00	0.00	0.02	0.00
15.66	1.25	0.00	0.00	0.02	0.00	15.68	1.28	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	1.34	0.00	0.00	0.02	0.00	15.72	1.40	0.00	0.00	0.02	0.00
15.74	1.29	0.00	0.00	0.02	0.00	15.76	1.13	0.00	0.00	0.02	0.00
15.78	1.05	0.00	0.00	0.02	0.00	15.80	1.00	0.00	0.00	0.02	0.00
15.82	0.94	0.00	0.00	0.02	0.00	15.84	0.99	0.00	0.00	0.02	0.00
15.86	1.05	0.00	0.00	0.02	0.00	15.88	1.10	0.00	0.00	0.02	0.00
15.90	1.14	0.00	0.00	0.02	0.00	15.92	1.17	0.00	0.00	0.02	0.00
15.94	1.21	0.00	0.00	0.02	0.00	15.96	1.24	0.00	0.00	0.02	0.00
15.98	1.36	0.00	0.00	0.02	0.00	16.00	1.37	0.00	0.00	0.02	0.00
16.02	1.45	0.00	0.00	0.02	0.00	16.04	1.50	0.00	0.00	0.02	0.00
16.06	1.40	0.00	0.00	0.02	0.00	16.08	1.18	0.00	0.00	0.02	0.00
16.10	1.09	0.00	0.00	0.02	0.00	16.12	1.09	0.00	0.00	0.02	0.00
16.14	1.08	0.00	0.00	0.02	0.00	16.16	1.03	0.00	0.00	0.02	0.00
16.18	1.01	0.00	0.00	0.02	0.00	16.20	1.11	0.00	0.00	0.02	0.00
16.22	1.16	0.00	0.00	0.02	0.00	16.24	1.17	0.00	0.00	0.02	0.00
16.26	1.14	0.00	0.00	0.02	0.00	16.28	1.09	0.00	0.00	0.02	0.00
16.30	1.06	0.00	0.00	0.02	0.00	16.32	1.01	0.00	0.00	0.02	0.00
16.34	0.97	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	1.20	0.00	0.00	0.02	0.00
16.82	1.54	0.00	0.00	0.02	0.00	16.84	1.50	0.00	0.00	0.02	0.00
16.86	1.33	0.00	0.00	0.02	0.00	16.88	1.22	0.00	0.00	0.02	0.00
16.90	1.15	0.00	0.00	0.02	0.00	16.92	1.07	0.00	0.00	0.02	0.00
16.94	1.01	0.00	0.00	0.02	0.00	16.96	0.95	0.00	0.00	0.02	0.00
16.98	0.96	0.00	0.00	0.02	0.00	17.00	0.97	0.00	0.00	0.02	0.00
17.02	0.99	0.00	0.00	0.02	0.00	17.04	1.00	0.00	0.00	0.02	0.00
17.06	1.02	0.00	0.00	0.02	0.00	17.08	1.03	0.00	0.00	0.02	0.00
17.10	1.04	0.00	0.00	0.02	0.00	17.12	1.04	0.00	0.00	0.02	0.00
17.14	1.06	0.00	0.00	0.02	0.00	17.16	1.07	0.00	0.00	0.02	0.00
17.18	1.08	0.00	0.00	0.02	0.00	17.20	1.09	0.00	0.00	0.02	0.00
17.22	1.09	0.00	0.00	0.02	0.00	17.24	1.10	0.00	0.00	0.02	0.00
17.26	1.11	0.00	0.00	0.02	0.00	17.28	1.11	0.00	0.00	0.02	0.00
17.30	1.11	0.00	0.00	0.02	0.00	17.32	1.10	0.00	0.00	0.02	0.00
17.34	1.10	0.00	0.00	0.02	0.00	17.36	1.10	0.00	0.00	0.02	0.00
17.38	1.09	0.00	0.00	0.02	0.00	17.40	1.08	0.00	0.00	0.02	0.00
17.42	1.08	0.00	0.00	0.02	0.00	17.44	1.06	0.00	0.00	0.02	0.00
17.46	1.05	0.00	0.00	0.02	0.00	17.48	1.04	0.00	0.00	0.02	0.00
17.50	1.05	0.00	0.00	0.02	0.00	17.52	1.06	0.00	0.00	0.02	0.00
17.54	1.10	0.00	0.00	0.02	0.00	17.56	1.16	0.00	0.00	0.02	0.00
17.58	1.27	0.00	0.00	0.02	0.00	17.60	1.39	0.00	0.00	0.02	0.00
17.62	1.36	0.00	0.00	0.02	0.00	17.64	1.24	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	1.10	0.00	0.00	0.02	0.00	17.68	1.05	0.00	0.00	0.02	0.00
17.70	1.08	0.00	0.00	0.02	0.00	17.72	1.14	0.00	0.00	0.02	0.00
17.74	1.13	0.00	0.00	0.02	0.00	17.76	1.08	0.00	0.00	0.02	0.00
17.78	1.05	0.00	0.00	0.02	0.00	17.80	1.06	0.00	0.00	0.02	0.00
17.82	1.04	0.00	0.00	0.02	0.00	17.84	1.02	0.00	0.00	0.02	0.00
17.86	1.01	0.00	0.00	0.02	0.00	17.88	1.04	0.00	0.00	0.02	0.00
17.90	1.05	0.00	0.00	0.02	0.00	17.92	1.04	0.00	0.00	0.02	0.00
17.94	1.07	0.00	0.00	0.02	0.00	17.96	1.09	0.00	0.00	0.02	0.00
17.98	1.08	0.00	0.00	0.02	0.00	18.00	1.09	0.00	0.00	0.02	0.00
18.02	1.10	0.00	0.00	0.02	0.00	18.04	1.10	0.00	0.00	0.02	0.00
18.06	1.09	0.00	0.00	0.02	0.00	18.08	1.06	0.00	0.00	0.02	0.00
18.10	1.08	0.00	0.00	0.02	0.00	18.12	1.14	0.00	0.00	0.02	0.00
18.14	1.18	0.00	0.00	0.02	0.00	18.16	1.19	0.00	0.00	0.02	0.00
18.18	1.18	0.00	0.00	0.02	0.00	18.20	1.14	0.00	0.00	0.02	0.00
18.22	1.10	0.00	0.00	0.02	0.00	18.24	1.09	0.00	0.00	0.02	0.00
18.26	1.11	0.00	0.00	0.02	0.00	18.28	1.21	0.00	0.00	0.02	0.00
18.30	1.27	0.00	0.00	0.02	0.00	18.32	1.30	0.00	0.00	0.02	0.00
18.34	1.26	0.00	0.00	0.02	0.00	18.36	1.15	0.00	0.00	0.02	0.00
18.38	1.10	0.00	0.00	0.02	0.00	18.40	1.11	0.00	0.00	0.02	0.00
18.42	1.12	0.00	0.00	0.02	0.00	18.44	1.13	0.00	0.00	0.02	0.00
18.46	1.18	0.00	0.00	0.02	0.00	18.48	1.29	0.00	0.00	0.02	0.00
18.50	1.38	0.00	0.00	0.02	0.00	18.52	1.41	0.00	0.00	0.02	0.00
18.54	1.46	0.00	0.00	0.02	0.00	18.56	1.58	0.00	0.00	0.02	0.00
18.58	1.82	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	1.84	0.00	0.00	0.02	0.00
18.90	1.72	0.00	0.00	0.02	0.00	18.92	1.63	0.00	0.00	0.02	0.00
18.94	1.47	0.00	0.00	0.02	0.00	18.96	1.36	0.00	0.00	0.02	0.00
18.98	1.32	0.00	0.00	0.02	0.00	19.00	1.33	0.00	0.00	0.02	0.00
19.02	1.41	0.00	0.00	0.02	0.00	19.04	1.55	0.00	0.00	0.02	0.00
19.06	1.71	0.00	0.00	0.02	0.00	19.08	1.76	0.00	0.00	0.02	0.00
19.10	1.68	0.00	0.00	0.02	0.00	19.12	1.55	0.00	0.00	0.02	0.00
19.14	1.48	0.00	0.00	0.02	0.00	19.16	1.48	0.00	0.00	0.02	0.00
19.18	1.47	0.00	0.00	0.02	0.00	19.20	1.45	0.00	0.00	0.02	0.00
19.22	1.49	0.00	0.00	0.02	0.00	19.24	1.61	0.00	0.00	0.02	0.00
19.26	1.65	0.00	0.00	0.02	0.00	19.28	1.63	0.00	0.00	0.02	0.00
19.30	1.57	0.00	0.00	0.02	0.00	19.32	1.48	0.00	0.00	0.02	0.00
19.34	1.47	0.00	0.00	0.02	0.00	19.36	1.60	0.00	0.00	0.02	0.00
19.38	1.83	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	1.74	0.00	0.00	0.02	0.00
19.70	1.58	0.00	0.00	0.02	0.00	19.72	1.53	0.00	0.00	0.02	0.00
19.74	1.53	0.00	0.00	0.02	0.00	19.76	1.63	0.00	0.00	0.02	0.00
19.78	1.86	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

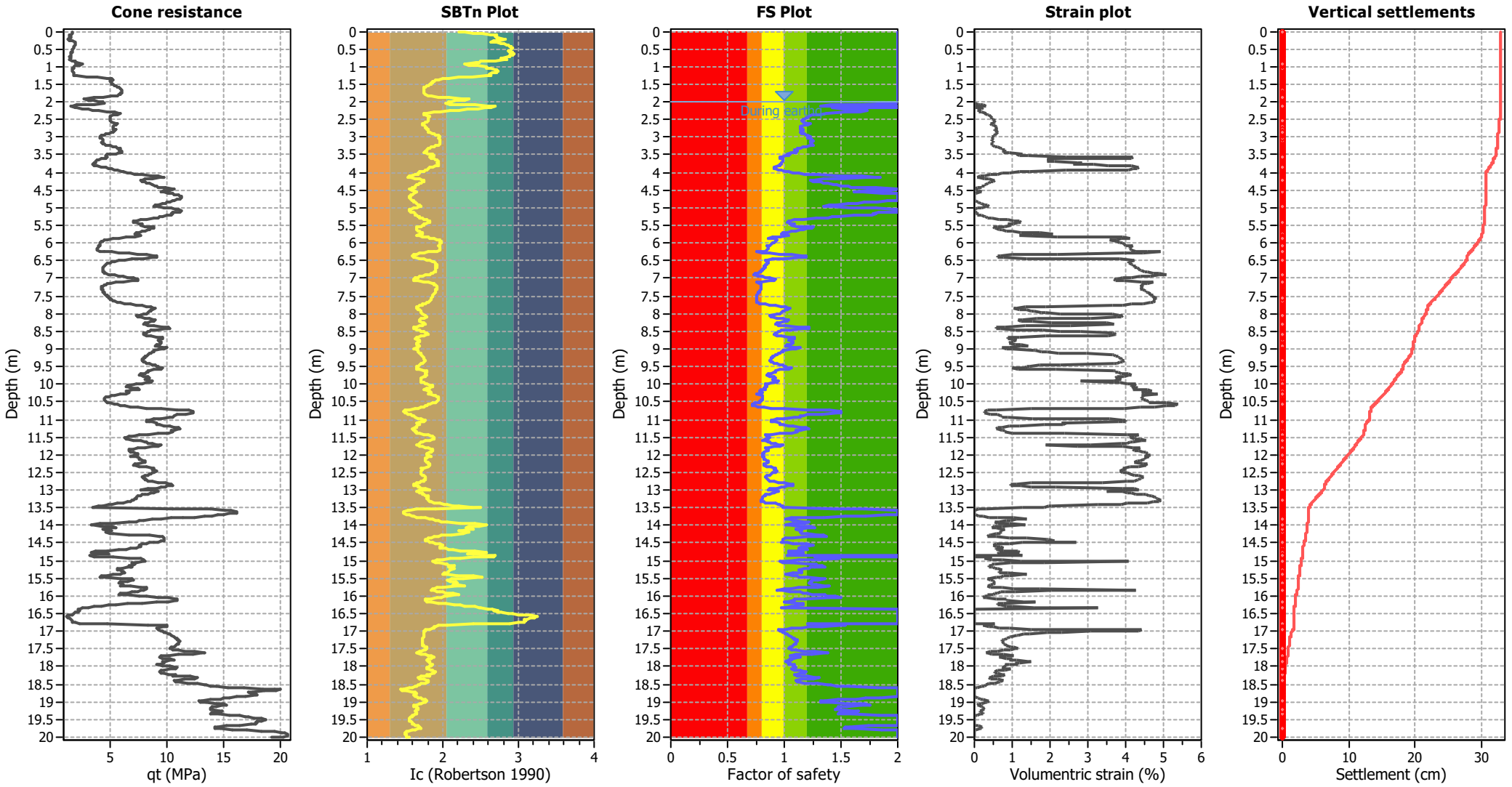
Overall liquefaction potential: 4.58

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.21	28.89	1.00	28.89	7	25316	0.09	0.000	0.00	3.58	0.00	0.000
0.04	2.30	28.37	1.91	54.24	13	27891	0.09	0.000	0.00	3.58	0.00	0.000
0.06	2.40	28.87	2.40	69.18	17	32526	0.09	0.000	0.00	3.58	0.00	0.000
0.08	2.53	28.18	3.16	89.09	23	37027	0.09	0.000	0.00	3.58	0.00	0.000
0.10	2.64	25.32	4.13	104.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.12	2.71	24.30	4.77	115.97	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.14	2.72	24.30	4.89	118.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.16	2.69	25.30	4.61	116.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.18	2.70	25.29	4.73	119.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.20	2.74	24.27	5.10	123.90	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.22	2.80	22.44	5.86	131.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.24	2.84	21.59	6.31	136.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.26	2.74	24.95	5.15	128.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.28	2.68	28.80	4.49	129.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.30	2.64	33.14	4.13	136.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.32	2.70	33.31	4.75	158.31	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.34	2.76	32.81	5.41	177.42	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.36	2.81	32.80	6.01	197.13	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.38	2.85	32.97	6.47	213.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.40	2.87	32.14	6.84	219.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.42	2.89	31.46	7.10	223.42	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.44	2.90	31.12	7.14	222.29	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.46	2.90	30.62	7.21	220.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.48	2.92	29.44	7.45	219.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.50	2.91	27.91	7.39	206.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.52	2.90	28.24	7.16	202.22	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.54	2.88	28.41	6.94	197.31	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.56	2.87	28.58	6.79	194.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.58	2.89	27.56	7.12	196.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.60	2.91	26.56	7.41	196.90	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	2.93	25.76	7.67	197.46	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	2.95	25.00	7.92	198.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.93	25.07	7.65	191.85	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.88	25.92	6.98	180.97	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.88	25.04	6.98	174.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.89	23.64	7.03	166.14	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.86	24.17	6.61	159.81	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.79	26.53	5.75	152.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.77	26.40	5.51	145.49	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.84	23.30	6.34	147.82	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.81	23.96	6.02	144.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.69	28.48	4.59	130.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.50	33.03	2.96	97.72	25	41852	0.09	0.003	0.00	3.58	0.00	0.000
0.88	2.48	33.35	2.85	94.97	24	41383	0.09	0.004	0.00	3.58	0.00	0.000
0.90	2.43	35.54	2.55	90.79	23	41519	0.09	0.004	0.00	3.58	0.00	0.000
0.92	2.31	42.40	1.97	83.53	20	42489	0.09	0.004	0.00	3.58	0.00	0.000
0.94	2.28	42.90	1.85	79.45	19	41292	0.09	0.004	0.00	3.58	0.00	0.000
0.96	2.34	38.55	2.11	81.26	20	40286	0.09	0.004	0.00	3.58	0.00	0.000
0.98	2.47	33.34	2.79	92.92	24	40880	0.09	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.58	30.10	3.61	108.71	29	42543	0.09	0.004	0.00	3.58	0.00	0.000
1.02	2.57	30.49	3.54	107.98	29	42632	0.09	0.004	0.00	3.58	0.00	0.000
1.04	2.58	29.54	3.61	106.77	29	41772	0.09	0.004	0.00	3.58	0.00	0.000
1.06	2.63	28.41	4.01	114.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.69	27.57	4.62	127.49	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.71	27.85	4.85	135.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.73	27.35	5.06	138.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.72	28.14	4.88	137.29	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.70	29.33	4.73	138.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.66	30.54	4.26	130.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.62	30.53	3.93	120.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.64	29.33	4.14	121.59	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.64	30.33	4.08	123.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.58	34.71	3.58	124.41	33	48858	0.09	0.004	0.00	3.58	0.00	0.000
1.28	2.38	48.82	2.26	110.16	27	53126	0.09	0.004	0.00	3.58	0.00	0.000
1.30	2.21	64.97	1.64	106.57	24	57255	0.08	0.004	0.00	3.58	0.00	0.000
1.32	2.07	79.12	1.38	109.21	23	58499	0.08	0.004	0.00	3.58	0.00	0.000
1.34	2.00	86.43	1.31	113.16	24	58540	0.08	0.004	0.00	3.58	0.00	0.000
1.36	1.94	87.26	1.26	110.18	22	54539	0.08	0.004	0.00	3.58	0.00	0.000
1.38	1.91	84.39	1.24	104.97	21	50869	0.09	0.004	0.00	3.58	0.00	0.000
1.40	1.90	83.72	1.23	103.31	21	49534	0.09	0.005	0.00	3.58	0.00	0.000
1.42	1.88	84.39	1.23	103.51	21	49250	0.09	0.005	0.00	3.58	0.00	0.000
1.44	1.87	85.75	1.22	104.36	21	49195	0.09	0.005	0.00	3.58	0.00	0.000
1.46	1.87	85.22	1.21	103.47	20	48645	0.09	0.005	0.00	3.58	0.00	0.000
1.48	1.85	86.06	1.20	103.18	20	47927	0.09	0.005	0.01	3.58	0.00	0.000
1.50	1.84	86.22	1.19	102.88	20	47605	0.09	0.005	0.01	3.58	0.00	0.000
1.52	1.83	87.23	1.18	103.22	20	47484	0.09	0.005	0.01	3.58	0.00	0.000
1.54	1.81	90.42	1.16	104.91	20	47792	0.09	0.005	0.01	3.58	0.00	0.000
1.56	1.80	91.94	1.15	105.47	20	47882	0.09	0.005	0.01	3.58	0.00	0.000
1.58	1.78	94.28	1.12	105.96	20	47963	0.09	0.005	0.01	3.58	0.00	0.000
1.60	1.76	96.96	1.10	106.52	20	48237	0.09	0.006	0.01	3.58	0.00	0.000
1.62	1.75	98.14	1.09	106.69	20	48378	0.09	0.006	0.01	3.58	0.00	0.000
1.64	1.75	99.48	1.08	107.23	20	48694	0.09	0.006	0.01	3.58	0.00	0.000
1.66	1.74	100.49	1.07	107.41	20	48863	0.09	0.006	0.01	3.58	0.00	0.000
1.68	1.74	100.48	1.07	107.70	20	48964	0.09	0.006	0.01	3.58	0.00	0.000
1.70	1.75	101.33	1.08	109.16	21	49575	0.09	0.006	0.01	3.58	0.00	0.000
1.72	1.75	100.31	1.09	109.34	21	49559	0.09	0.006	0.01	3.58	0.00	0.000
1.74	1.75	100.31	1.09	109.34	21	49560	0.09	0.006	0.01	3.58	0.00	0.000
1.76	1.76	99.13	1.10	108.78	21	49265	0.09	0.006	0.01	3.58	0.00	0.000
1.78	1.76	98.29	1.10	108.26	21	49014	0.09	0.006	0.01	3.58	0.00	0.000
1.80	1.77	97.11	1.11	108.22	21	48973	0.09	0.006	0.01	3.58	0.00	0.000
1.82	1.81	93.59	1.16	108.54	21	49440	0.09	0.006	0.01	3.58	0.00	0.000
1.84	1.85	86.02	1.20	103.16	20	47927	0.09	0.006	0.01	3.58	0.00	0.000
1.86	1.95	73.08	1.27	92.60	19	46068	0.09	0.007	0.01	3.58	0.00	0.000
1.88	2.08	59.45	1.39	82.66	18	44399	0.09	0.007	0.01	3.58	0.00	0.000
1.90	2.26	47.18	1.77	83.47	19	44006	0.09	0.007	0.01	3.58	0.00	0.000
1.92	2.34	43.99	2.09	91.74	22	45671	0.09	0.007	0.01	3.58	0.00	0.000
1.94	2.29	50.71	1.90	96.40	23	49661	0.08	0.006	0.01	3.58	0.00	0.000
1.96	2.18	60.61	1.56	94.71	21	51286	0.08	0.006	0.01	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.11	67.50	1.43	96.49	21	52197	0.08	0.006	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	117.01	2.00	0.00	1.00	0.00	2.02	116.55	1.99	0.00	1.00	0.00
2.04	115.97	1.96	0.01	1.00	0.00	2.06	106.51	1.69	0.11	1.00	0.00
2.08	101.19	1.57	0.16	1.00	0.00	2.10	92.75	1.41	0.24	1.00	0.00
2.12	86.92	1.32	0.29	1.00	0.01	2.14	26.84	2.00	0.00	1.00	0.00
2.16	32.11	2.00	0.00	1.00	0.00	2.18	95.24	1.43	0.24	1.00	0.00
2.20	101.14	1.53	0.19	1.00	0.00	2.22	107.26	1.65	0.13	1.00	0.00
2.24	110.41	1.72	0.11	1.00	0.00	2.26	111.04	1.73	0.10	1.00	0.00
2.28	108.88	1.67	0.13	1.00	0.00	2.30	103.09	1.53	0.19	1.00	0.00
2.32	94.16	1.37	0.29	1.00	0.01	2.34	95.04	1.38	0.29	1.00	0.01
2.36	91.24	1.31	0.33	1.00	0.01	2.38	86.61	1.24	0.39	1.00	0.01
2.40	85.35	1.22	0.42	1.00	0.01	2.42	85.37	1.22	0.43	1.00	0.01
2.44	84.44	1.20	0.45	1.00	0.01	2.46	84.32	1.20	0.46	1.00	0.01
2.48	83.64	1.18	0.48	1.00	0.01	2.50	83.09	1.17	0.50	1.00	0.01
2.52	82.70	1.16	0.52	1.00	0.01	2.54	82.41	1.16	0.54	1.00	0.01
2.56	83.31	1.16	0.53	1.00	0.01	2.58	83.81	1.17	0.53	1.00	0.01
2.60	87.31	1.20	0.47	1.00	0.01	2.62	89.72	1.23	0.44	1.00	0.01
2.64	88.11	1.21	0.47	1.00	0.01	2.66	86.49	1.18	0.51	1.00	0.01
2.68	83.70	1.14	0.58	1.00	0.01	2.70	83.73	1.14	0.59	1.00	0.01
2.72	84.59	1.15	0.58	1.00	0.01	2.74	84.60	1.14	0.59	1.00	0.01
2.76	85.75	1.15	0.57	1.00	0.01	2.78	85.32	1.15	0.60	1.00	0.01
2.80	87.54	1.17	0.55	1.00	0.01	2.82	87.66	1.17	0.56	1.00	0.01
2.84	87.22	1.16	0.58	1.00	0.01	2.86	85.89	1.14	0.62	1.00	0.01
2.88	85.95	1.14	0.63	1.00	0.01	2.90	87.69	1.16	0.59	1.00	0.01
2.92	89.44	1.17	0.56	1.00	0.01	2.94	91.34	1.20	0.52	1.00	0.01
2.96	92.72	1.21	0.50	1.00	0.01	2.98	94.03	1.23	0.48	1.00	0.01
3.00	94.71	1.23	0.48	1.00	0.01	3.02	93.10	1.21	0.51	1.00	0.01
3.04	94.79	1.23	0.49	1.00	0.01	3.06	96.50	1.25	0.46	1.00	0.01
3.08	96.67	1.25	0.46	1.00	0.01	3.10	97.04	1.25	0.46	1.00	0.01
3.12	95.59	1.23	0.49	1.00	0.01	3.14	96.17	1.23	0.49	1.00	0.01
3.16	96.87	1.24	0.48	1.00	0.01	3.18	97.29	1.24	0.47	1.00	0.01
3.20	97.65	1.25	0.47	1.00	0.01	3.22	98.55	1.26	0.46	1.00	0.01
3.24	96.79	1.23	0.50	1.00	0.01	3.26	94.51	1.19	0.56	1.00	0.01
3.28	92.54	1.16	0.61	1.00	0.01	3.30	90.75	1.14	0.67	1.00	0.01
3.32	89.70	1.12	0.72	1.00	0.01	3.34	89.23	1.11	0.75	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	87.82	1.09	0.82	1.00	0.02	3.38	87.94	1.09	0.82	1.00	0.02
3.40	89.54	1.11	0.76	1.00	0.02	3.42	89.60	1.11	0.77	1.00	0.02
3.44	86.46	1.07	0.94	1.00	0.02	3.46	82.95	1.03	1.25	1.00	0.03
3.48	84.41	1.04	1.12	1.00	0.02	3.50	84.88	1.05	1.10	1.00	0.02
3.52	84.11	1.04	1.19	1.00	0.02	3.54	82.42	1.02	1.43	1.00	0.03
3.56	78.98	0.98	2.42	1.00	0.05	3.58	76.64	0.96	4.18	1.00	0.08
3.60	76.86	0.96	4.17	1.00	0.08	3.62	80.78	0.99	1.93	1.00	0.04
3.64	80.50	0.99	2.08	1.00	0.04	3.66	80.63	0.99	2.09	1.00	0.04
3.68	81.31	0.99	1.92	1.00	0.04	3.70	80.84	0.99	2.13	1.00	0.04
3.72	79.71	0.97	2.72	1.00	0.05	3.74	79.70	0.97	2.83	1.00	0.06
3.76	80.22	0.97	2.61	1.00	0.05	3.78	79.56	0.97	3.15	1.00	0.06
3.80	79.26	0.96	3.56	1.00	0.07	3.82	77.43	0.94	4.14	1.00	0.08
3.84	74.45	0.91	4.29	1.00	0.09	3.86	73.37	0.90	4.35	1.00	0.09
3.88	74.46	0.91	4.29	1.00	0.09	3.90	76.57	0.93	4.18	1.00	0.08
3.92	78.97	0.95	4.06	1.00	0.08	3.94	81.88	0.98	2.40	1.00	0.05
3.96	85.55	1.01	1.47	1.00	0.03	3.98	87.92	1.04	1.20	1.00	0.02
4.00	91.74	1.08	0.92	1.00	0.02	4.02	95.75	1.13	0.74	1.00	0.01
4.04	100.00	1.19	0.60	1.00	0.01	4.06	106.96	1.30	0.44	1.00	0.01
4.08	115.82	1.48	0.27	1.00	0.01	4.10	123.26	1.67	0.14	1.00	0.00
4.12	127.59	1.81	0.08	1.00	0.00	4.14	128.46	1.84	0.06	1.00	0.00
4.16	124.89	1.72	0.12	1.00	0.00	4.18	117.08	1.50	0.25	1.00	0.01
4.20	110.01	1.34	0.39	1.00	0.01	4.22	105.49	1.26	0.49	1.00	0.01
4.24	104.05	1.23	0.53	1.00	0.01	4.26	105.68	1.26	0.49	1.00	0.01
4.28	109.19	1.32	0.41	1.00	0.01	4.30	110.57	1.35	0.39	1.00	0.01
4.32	112.89	1.39	0.34	1.00	0.01	4.34	115.19	1.44	0.30	1.00	0.01
4.36	116.20	1.46	0.28	1.00	0.01	4.38	117.79	1.50	0.25	1.00	0.01
4.40	120.41	1.56	0.21	1.00	0.00	4.42	121.29	1.59	0.20	1.00	0.00
4.44	128.45	1.81	0.08	1.00	0.00	4.46	134.93	2.00	0.00	1.00	0.00
4.48	136.34	2.00	0.00	1.00	0.00	4.50	131.93	1.93	0.02	1.00	0.00
4.52	126.47	1.73	0.11	1.00	0.00	4.54	122.57	1.61	0.18	1.00	0.00
4.56	125.26	1.69	0.14	1.00	0.00	4.58	130.53	1.87	0.05	1.00	0.00
4.60	133.62	1.99	0.00	1.00	0.00	4.62	135.36	2.00	0.00	1.00	0.00
4.64	139.09	2.00	0.00	1.00	0.00	4.66	140.59	2.00	0.00	1.00	0.00
4.68	141.65	2.00	0.00	1.00	0.00	4.70	141.71	2.00	0.00	1.00	0.00
4.72	141.55	2.00	0.00	1.00	0.00	4.74	140.74	2.00	0.00	1.00	0.00
4.76	137.61	2.00	0.00	1.00	0.00	4.78	134.80	2.00	0.00	1.00	0.00
4.80	132.10	1.91	0.03	1.00	0.00	4.82	129.82	1.83	0.07	1.00	0.00
4.84	128.55	1.78	0.09	1.00	0.00	4.86	126.50	1.71	0.13	1.00	0.00
4.88	124.45	1.64	0.16	1.00	0.00	4.90	121.94	1.57	0.21	1.00	0.00
4.92	118.08	1.47	0.28	1.00	0.01	4.94	115.00	1.40	0.34	1.00	0.01
4.96	112.82	1.35	0.39	1.00	0.01	4.98	116.30	1.42	0.32	1.00	0.01
5.00	122.80	1.59	0.20	1.00	0.00	5.02	129.90	1.81	0.08	1.00	0.00
5.04	133.95	1.97	0.01	1.00	0.00	5.06	136.79	2.00	0.00	1.00	0.00
5.08	139.05	2.00	0.00	1.00	0.00	5.10	138.14	2.00	0.00	1.00	0.00
5.12	137.12	2.00	0.00	1.00	0.00	5.14	130.46	1.83	0.07	1.00	0.00
5.16	129.10	1.78	0.09	1.00	0.00	5.18	129.95	1.81	0.08	1.00	0.00
5.20	129.03	1.77	0.10	1.00	0.00	5.22	124.14	1.61	0.18	1.00	0.00
5.24	119.10	1.48	0.28	1.00	0.01	5.26	116.74	1.42	0.32	1.00	0.01
5.28	115.04	1.38	0.36	1.00	0.01	5.30	110.09	1.28	0.47	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	103.64	1.17	0.66	1.00	0.01	5.34	98.36	1.09	0.88	1.00	0.02
5.36	95.58	1.06	1.05	1.00	0.02	5.38	93.81	1.03	1.19	1.00	0.02
5.40	93.60	1.03	1.22	1.00	0.02	5.42	94.24	1.04	1.17	1.00	0.02
5.44	95.87	1.06	1.04	1.00	0.02	5.46	98.39	1.09	0.89	1.00	0.02
5.48	97.04	1.07	0.97	1.00	0.02	5.50	97.04	1.07	0.97	1.00	0.02
5.52	100.62	1.12	0.79	1.00	0.02	5.54	105.69	1.19	0.61	1.00	0.01
5.56	109.03	1.25	0.51	1.00	0.01	5.58	108.69	1.24	0.52	1.00	0.01
5.60	106.45	1.20	0.59	1.00	0.01	5.62	104.43	1.17	0.65	1.00	0.01
5.64	102.71	1.14	0.72	1.00	0.01	5.66	100.05	1.11	0.83	1.00	0.02
5.68	96.94	1.06	1.01	1.00	0.02	5.70	94.11	1.03	1.24	1.00	0.02
5.72	90.49	0.99	1.75	1.00	0.03	5.74	89.15	0.97	2.08	1.00	0.04
5.76	91.87	1.00	1.52	1.00	0.03	5.78	94.93	1.04	1.18	1.00	0.02
5.80	94.26	1.03	1.24	1.00	0.02	5.82	88.97	0.97	2.18	1.00	0.04
5.84	81.87	0.90	3.92	1.00	0.08	5.86	77.81	0.86	4.12	1.00	0.08
5.88	82.80	0.91	3.88	1.00	0.08	5.90	85.55	0.93	3.76	1.00	0.08
5.92	86.59	0.94	3.56	1.00	0.07	5.94	85.25	0.93	3.77	1.00	0.08
5.96	84.89	0.92	3.78	1.00	0.08	5.98	83.68	0.91	3.84	1.00	0.08
6.00	81.91	0.89	3.92	1.00	0.08	6.02	81.28	0.89	3.95	1.00	0.08
6.04	81.15	0.89	3.95	1.00	0.08	6.06	80.20	0.88	4.00	1.00	0.08
6.08	76.42	0.85	4.19	1.00	0.08	6.10	78.22	0.86	4.10	1.00	0.08
6.12	78.21	0.86	4.10	1.00	0.08	6.14	77.85	0.86	4.11	1.00	0.08
6.16	78.08	0.86	4.10	1.00	0.08	6.18	77.46	0.85	4.14	1.00	0.08
6.20	76.92	0.85	4.16	1.00	0.08	6.22	75.03	0.83	4.26	1.00	0.09
6.24	69.52	0.79	4.58	1.00	0.09	6.26	64.50	0.76	4.90	1.00	0.10
6.28	71.61	0.80	4.45	1.00	0.09	6.30	80.69	0.88	3.98	1.00	0.08
6.32	89.87	0.97	2.19	1.00	0.04	6.34	98.40	1.06	1.00	1.00	0.02
6.36	104.76	1.15	0.70	1.00	0.01	6.38	107.16	1.19	0.62	1.00	0.01
6.40	107.05	1.19	0.62	1.00	0.01	6.42	103.32	1.13	0.76	1.00	0.02
6.44	94.26	1.01	1.37	1.00	0.03	6.46	83.43	0.90	3.85	1.00	0.08
6.48	76.68	0.84	4.18	1.00	0.08	6.50	75.41	0.83	4.24	1.00	0.08
6.52	77.99	0.85	4.11	1.00	0.08	6.54	78.72	0.86	4.07	1.00	0.08
6.56	78.80	0.86	4.07	1.00	0.08	6.58	77.81	0.85	4.12	1.00	0.08
6.60	76.86	0.84	4.17	1.00	0.08	6.62	76.71	0.84	4.17	1.00	0.08
6.64	76.01	0.83	4.21	1.00	0.08	6.66	74.84	0.82	4.27	1.00	0.09
6.68	75.30	0.83	4.25	1.00	0.08	6.70	74.24	0.82	4.30	1.00	0.09
6.72	73.80	0.81	4.33	1.00	0.09	6.74	73.27	0.81	4.36	1.00	0.09
6.76	73.06	0.81	4.37	1.00	0.09	6.78	71.88	0.80	4.44	1.00	0.09
6.80	70.69	0.79	4.51	1.00	0.09	6.82	69.48	0.78	4.58	1.00	0.09
6.84	67.33	0.77	4.72	1.00	0.09	6.86	64.70	0.75	4.89	1.00	0.10
6.88	62.05	0.73	5.08	1.00	0.10	6.90	62.52	0.73	5.04	1.00	0.10
6.92	64.59	0.75	4.90	1.00	0.10	6.94	68.36	0.77	4.65	1.00	0.09
6.96	72.96	0.81	4.38	1.00	0.09	6.98	77.19	0.84	4.15	1.00	0.08
7.00	81.83	0.88	3.92	1.00	0.08	7.02	85.04	0.91	3.78	1.00	0.08
7.04	87.14	0.93	3.69	1.00	0.07	7.06	85.97	0.91	3.74	1.00	0.07
7.08	80.98	0.87	3.96	1.00	0.08	7.10	72.23	0.80	4.42	1.00	0.09
7.12	67.16	0.76	4.73	1.00	0.09	7.14	69.77	0.78	4.56	1.00	0.09
7.16	71.96	0.80	4.43	1.00	0.09	7.18	71.37	0.79	4.47	1.00	0.09
7.20	71.37	0.79	4.47	1.00	0.09	7.22	72.60	0.80	4.40	1.00	0.09
7.24	72.25	0.80	4.42	1.00	0.09	7.26	71.90	0.79	4.44	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	71.56	0.79	4.46	1.00	0.09	7.30	72.58	0.80	4.40	1.00	0.09
7.32	71.66	0.79	4.45	1.00	0.09	7.34	70.95	0.79	4.49	1.00	0.09
7.36	70.10	0.78	4.54	1.00	0.09	7.38	70.14	0.78	4.54	1.00	0.09
7.40	69.43	0.78	4.58	1.00	0.09	7.42	68.45	0.77	4.64	1.00	0.09
7.44	69.16	0.77	4.60	1.00	0.09	7.46	67.59	0.76	4.70	1.00	0.09
7.48	67.16	0.76	4.73	1.00	0.09	7.50	67.51	0.76	4.70	1.00	0.09
7.52	66.87	0.76	4.75	1.00	0.09	7.54	66.16	0.75	4.79	1.00	0.10
7.56	66.21	0.75	4.79	1.00	0.10	7.58	67.12	0.76	4.73	1.00	0.09
7.60	66.67	0.76	4.76	1.00	0.10	7.62	66.83	0.76	4.75	1.00	0.09
7.64	66.76	0.76	4.75	1.00	0.10	7.66	66.48	0.75	4.77	1.00	0.10
7.68	67.10	0.76	4.73	1.00	0.09	7.70	68.16	0.76	4.66	1.00	0.09
7.72	71.48	0.79	4.46	1.00	0.09	7.74	76.74	0.83	4.17	1.00	0.08
7.76	81.92	0.87	3.92	1.00	0.08	7.78	88.13	0.93	3.65	1.00	0.07
7.80	92.40	0.97	1.89	1.00	0.04	7.82	95.71	1.01	1.36	1.00	0.03
7.84	98.25	1.04	1.12	1.00	0.02	7.86	99.21	1.06	1.05	1.00	0.02
7.88	97.33	1.03	1.19	1.00	0.02	7.90	95.34	1.01	1.40	1.00	0.03
7.92	94.61	1.00	1.50	1.00	0.03	7.94	94.09	0.99	1.57	1.00	0.03
7.96	92.95	0.98	1.77	1.00	0.04	7.98	92.44	0.97	1.87	1.00	0.04
8.00	90.98	0.96	2.27	1.00	0.05	8.02	88.36	0.93	3.64	1.00	0.07
8.04	84.08	0.89	3.82	1.00	0.08	8.06	81.74	0.87	3.93	1.00	0.08
8.08	82.74	0.88	3.88	1.00	0.08	8.10	85.18	0.90	3.77	1.00	0.08
8.12	89.19	0.94	3.09	1.00	0.06	8.14	93.52	0.99	1.66	1.00	0.03
8.16	96.57	1.02	1.26	1.00	0.03	8.18	97.73	1.04	1.15	1.00	0.02
8.20	96.81	1.03	1.24	1.00	0.02	8.22	94.20	1.00	1.55	1.00	0.03
8.24	91.71	0.97	2.04	1.00	0.04	8.26	88.59	0.93	3.50	1.00	0.07
8.28	87.28	0.92	3.68	1.00	0.07	8.30	87.90	0.93	3.66	1.00	0.07
8.32	88.23	0.93	3.64	1.00	0.07	8.34	90.23	0.95	2.52	1.00	0.05
8.36	95.57	1.01	1.36	1.00	0.03	8.38	103.68	1.12	0.79	1.00	0.02
8.40	109.58	1.21	0.58	1.00	0.01	8.42	109.90	1.22	0.57	1.00	0.01
8.44	105.98	1.16	0.70	1.00	0.01	8.46	98.65	1.05	1.08	1.00	0.02
8.48	92.64	0.98	1.80	1.00	0.04	8.50	90.79	0.96	2.29	1.00	0.05
8.52	89.56	0.95	2.80	1.00	0.06	8.54	88.17	0.93	3.65	1.00	0.07
8.56	86.93	0.92	3.70	1.00	0.07	8.58	86.54	0.92	3.71	1.00	0.07
8.60	86.51	0.92	3.72	1.00	0.07	8.62	88.42	0.93	3.53	1.00	0.07
8.64	92.26	0.98	1.87	1.00	0.04	8.66	97.24	1.03	1.18	1.00	0.02
8.68	101.88	1.10	0.87	1.00	0.02	8.70	101.90	1.10	0.87	1.00	0.02
8.72	99.14	1.06	1.03	1.00	0.02	8.74	97.92	1.04	1.12	1.00	0.02
8.76	98.24	1.05	1.09	1.00	0.02	8.78	99.28	1.06	1.02	1.00	0.02
8.80	100.22	1.07	0.96	1.00	0.02	8.82	100.85	1.08	0.92	1.00	0.02
8.84	100.76	1.08	0.93	1.00	0.02	8.86	98.62	1.05	1.06	1.00	0.02
8.88	96.39	1.03	1.25	1.00	0.02	8.90	94.86	1.01	1.41	1.00	0.03
8.92	96.52	1.03	1.23	1.00	0.02	8.94	100.93	1.08	0.91	1.00	0.02
8.96	104.01	1.13	0.77	1.00	0.02	8.98	104.94	1.14	0.73	1.00	0.01
9.00	102.00	1.10	0.86	1.00	0.02	9.02	99.16	1.06	1.02	1.00	0.02
9.04	93.66	0.99	1.57	1.00	0.03	9.06	93.37	0.99	1.61	1.00	0.03
9.08	92.47	0.98	1.77	1.00	0.04	9.10	91.78	0.97	1.92	1.00	0.04
9.12	90.68	0.96	2.21	1.00	0.04	9.14	88.97	0.94	2.95	1.00	0.06
9.16	87.97	0.93	3.65	1.00	0.07	9.18	86.77	0.92	3.70	1.00	0.07
9.20	85.97	0.92	3.74	1.00	0.07	9.22	84.67	0.90	3.79	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	83.99	0.90	3.82	1.00	0.08	9.26	83.30	0.89	3.86	1.00	0.08
9.28	82.82	0.89	3.88	1.00	0.08	9.30	82.03	0.88	3.91	1.00	0.08
9.32	81.46	0.87	3.94	1.00	0.08	9.34	81.19	0.87	3.95	1.00	0.08
9.36	82.21	0.88	3.90	1.00	0.08	9.38	83.87	0.90	3.83	1.00	0.08
9.40	85.01	0.91	3.78	1.00	0.08	9.42	87.47	0.93	3.68	1.00	0.07
9.44	90.33	0.96	2.25	1.00	0.05	9.46	92.48	0.98	1.71	1.00	0.03
9.48	94.02	1.00	1.47	1.00	0.03	9.50	94.55	1.01	1.40	1.00	0.03
9.52	94.87	1.01	1.36	1.00	0.03	9.54	99.33	1.07	0.98	1.00	0.02
9.56	96.93	1.04	1.15	1.00	0.02	9.58	90.59	0.97	2.14	1.00	0.04
9.60	86.68	0.93	3.71	1.00	0.07	9.62	85.99	0.92	3.74	1.00	0.07
9.64	85.93	0.92	3.74	1.00	0.07	9.66	85.70	0.92	3.75	1.00	0.07
9.68	84.77	0.91	3.79	1.00	0.08	9.70	82.26	0.89	3.90	1.00	0.08
9.72	78.95	0.86	4.06	1.00	0.08	9.74	77.42	0.84	4.14	1.00	0.08
9.76	78.33	0.85	4.09	1.00	0.08	9.78	81.31	0.88	3.95	1.00	0.08
9.80	84.92	0.91	3.78	1.00	0.08	9.82	86.05	0.92	3.73	1.00	0.07
9.84	84.17	0.90	3.82	1.00	0.08	9.86	82.70	0.89	3.88	1.00	0.08
9.88	83.83	0.90	3.83	1.00	0.08	9.90	86.96	0.93	3.70	1.00	0.07
9.92	88.59	0.95	2.81	1.00	0.06	9.94	86.71	0.93	3.71	1.00	0.07
9.96	83.34	0.90	3.85	1.00	0.08	9.98	79.42	0.86	4.04	1.00	0.08
10.00	75.06	0.83	4.26	1.00	0.09	10.02	75.32	0.83	4.25	1.00	0.08
10.04	76.98	0.84	4.16	1.00	0.08	10.06	77.13	0.85	4.15	1.00	0.08
10.08	75.15	0.83	4.26	1.00	0.09	10.10	74.06	0.82	4.32	1.00	0.09
10.12	75.46	0.83	4.24	1.00	0.08	10.14	76.14	0.84	4.20	1.00	0.08
10.16	69.74	0.79	4.56	1.00	0.09	10.18	67.67	0.78	4.69	1.00	0.09
10.20	69.77	0.79	4.56	1.00	0.09	10.22	72.12	0.81	4.42	1.00	0.09
10.24	70.71	0.80	4.51	1.00	0.09	10.26	66.28	0.77	4.78	1.00	0.10
10.28	65.23	0.76	4.85	1.00	0.10	10.30	71.81	0.81	4.44	1.00	0.09
10.32	71.64	0.81	4.45	1.00	0.09	10.34	71.49	0.80	4.46	1.00	0.09
10.36	71.18	0.80	4.48	1.00	0.09	10.38	72.34	0.81	4.41	1.00	0.09
10.40	72.36	0.81	4.41	1.00	0.09	10.42	72.12	0.81	4.42	1.00	0.09
10.44	71.41	0.80	4.47	1.00	0.09	10.46	70.40	0.80	4.53	1.00	0.09
10.48	69.39	0.79	4.59	1.00	0.09	10.50	69.03	0.79	4.61	1.00	0.09
10.52	68.63	0.79	4.63	1.00	0.09	10.54	62.20	0.74	5.07	1.00	0.10
10.56	58.32	0.72	5.37	1.00	0.11	10.58	58.61	0.72	5.34	1.00	0.11
10.60	59.24	0.72	5.29	1.00	0.11	10.62	62.05	0.74	5.08	1.00	0.10
10.64	66.53	0.77	4.77	1.00	0.10	10.66	72.87	0.82	4.38	1.00	0.09
10.68	81.08	0.89	3.96	1.00	0.08	10.70	92.81	1.00	1.48	1.00	0.03
10.72	107.59	1.21	0.58	1.00	0.01	10.74	117.24	1.40	0.34	1.00	0.01
10.76	121.19	1.50	0.26	1.00	0.01	10.78	121.21	1.50	0.26	1.00	0.01
10.80	121.22	1.50	0.26	1.00	0.01	10.82	119.96	1.47	0.29	1.00	0.01
10.84	114.27	1.34	0.41	1.00	0.01	10.86	106.83	1.20	0.60	1.00	0.01
10.88	104.40	1.16	0.68	1.00	0.01	10.90	103.34	1.14	0.72	1.00	0.01
10.92	102.77	1.14	0.74	1.00	0.01	10.94	99.47	1.09	0.89	1.00	0.02
10.96	92.05	1.00	1.54	1.00	0.03	10.98	86.51	0.94	3.59	1.00	0.07
11.00	82.15	0.90	3.91	1.00	0.08	11.02	79.88	0.88	4.02	1.00	0.08
11.04	79.87	0.88	4.02	1.00	0.08	11.06	81.75	0.90	3.93	1.00	0.08
11.08	84.61	0.92	3.80	1.00	0.08	11.10	88.63	0.96	2.29	1.00	0.05
11.12	88.27	0.96	2.42	1.00	0.05	11.14	88.40	0.96	2.36	1.00	0.05
11.16	90.18	0.98	1.84	1.00	0.04	11.18	94.58	1.03	1.21	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	98.40	1.08	0.93	1.00	0.02	11.22	102.61	1.14	0.73	1.00	0.01
11.24	105.93	1.19	0.61	1.00	0.01	11.26	107.41	1.22	0.57	1.00	0.01
11.28	106.26	1.20	0.60	1.00	0.01	11.30	102.20	1.14	0.74	1.00	0.01
11.32	100.28	1.11	0.82	1.00	0.02	11.34	100.39	1.11	0.82	1.00	0.02
11.36	100.80	1.12	0.80	1.00	0.02	11.38	96.85	1.06	1.00	1.00	0.02
11.40	87.97	0.96	2.38	1.00	0.05	11.42	79.11	0.88	4.05	1.00	0.08
11.44	73.47	0.83	4.35	1.00	0.09	11.46	75.30	0.85	4.25	1.00	0.08
11.48	76.73	0.86	4.17	1.00	0.08	11.50	77.58	0.87	4.13	1.00	0.08
11.52	76.97	0.86	4.16	1.00	0.08	11.54	75.78	0.85	4.22	1.00	0.08
11.56	72.88	0.83	4.38	1.00	0.09	11.58	70.19	0.81	4.54	1.00	0.09
11.60	72.37	0.83	4.41	1.00	0.09	11.62	76.10	0.86	4.21	1.00	0.08
11.64	77.57	0.87	4.13	1.00	0.08	11.66	79.24	0.88	4.05	1.00	0.08
11.68	82.83	0.92	3.88	1.00	0.08	11.70	86.22	0.95	3.07	1.00	0.06
11.72	88.94	0.98	1.94	1.00	0.04	11.74	89.16	0.98	1.88	1.00	0.04
11.76	86.70	0.96	2.73	1.00	0.05	11.78	82.22	0.91	3.90	1.00	0.08
11.80	76.15	0.86	4.20	1.00	0.08	11.82	72.54	0.83	4.40	1.00	0.09
11.84	74.17	0.85	4.31	1.00	0.09	11.86	76.04	0.86	4.21	1.00	0.08
11.88	75.86	0.86	4.22	1.00	0.08	11.90	73.56	0.84	4.34	1.00	0.09
11.92	71.41	0.83	4.47	1.00	0.09	11.94	70.10	0.82	4.54	1.00	0.09
11.96	69.34	0.81	4.59	1.00	0.09	11.98	69.93	0.82	4.55	1.00	0.09
12.00	69.22	0.81	4.60	1.00	0.09	12.02	68.29	0.80	4.65	1.00	0.09
12.04	70.93	0.82	4.49	1.00	0.09	12.06	69.13	0.81	4.60	1.00	0.09
12.08	71.01	0.82	4.49	1.00	0.09	12.10	70.80	0.82	4.50	1.00	0.09
12.12	70.70	0.82	4.51	1.00	0.09	12.14	71.49	0.83	4.46	1.00	0.09
12.16	73.07	0.84	4.37	1.00	0.09	12.18	74.48	0.85	4.29	1.00	0.09
12.20	75.74	0.86	4.22	1.00	0.08	12.22	75.54	0.86	4.23	1.00	0.08
12.24	71.21	0.83	4.48	1.00	0.09	12.26	69.39	0.82	4.59	1.00	0.09
12.28	70.54	0.82	4.52	1.00	0.09	12.30	70.43	0.82	4.52	1.00	0.09
12.32	73.45	0.85	4.35	1.00	0.09	12.34	78.22	0.89	4.10	1.00	0.08
12.36	80.65	0.91	3.98	1.00	0.08	12.38	81.62	0.92	3.93	1.00	0.08
12.40	80.52	0.91	3.98	1.00	0.08	12.42	80.08	0.91	4.00	1.00	0.08
12.44	81.44	0.92	3.94	1.00	0.08	12.46	83.27	0.94	3.86	1.00	0.08
12.48	83.20	0.94	3.86	1.00	0.08	12.50	81.54	0.92	3.94	1.00	0.08
12.52	79.22	0.90	4.05	1.00	0.08	12.54	78.13	0.89	4.10	1.00	0.08
12.56	77.51	0.89	4.13	1.00	0.08	12.58	75.95	0.87	4.21	1.00	0.08
12.60	73.27	0.85	4.36	1.00	0.09	12.62	71.56	0.84	4.46	1.00	0.09
12.64	71.53	0.84	4.46	1.00	0.09	12.66	72.04	0.84	4.43	1.00	0.09
12.68	72.83	0.85	4.38	1.00	0.09	12.70	73.38	0.85	4.35	1.00	0.09
12.72	73.96	0.86	4.32	1.00	0.09	12.74	75.59	0.87	4.23	1.00	0.08
12.76	79.27	0.90	4.04	1.00	0.08	12.78	84.18	0.95	3.37	1.00	0.07
12.80	89.29	1.00	1.52	1.00	0.03	12.82	93.08	1.05	1.10	1.00	0.02
12.84	95.00	1.07	0.96	1.00	0.02	12.86	95.22	1.08	0.95	1.00	0.02
12.88	91.29	1.03	1.25	1.00	0.02	12.90	89.16	1.01	1.51	1.00	0.03
12.92	86.19	0.97	2.17	1.00	0.04	12.94	81.64	0.93	3.93	1.00	0.08
12.96	75.28	0.87	4.25	1.00	0.08	12.98	73.41	0.86	4.35	1.00	0.09
13.00	79.88	0.92	4.01	1.00	0.08	13.02	83.64	0.95	3.49	1.00	0.07
13.04	82.19	0.94	3.91	1.00	0.08	13.06	79.24	0.91	4.05	1.00	0.08
13.08	77.42	0.90	4.14	1.00	0.08	13.10	74.67	0.87	4.28	1.00	0.09
13.12	71.75	0.85	4.45	1.00	0.09	13.14	70.13	0.84	4.54	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	68.99	0.83	4.61	1.00	0.09	13.18	67.40	0.82	4.71	1.00	0.09
13.20	66.70	0.81	4.76	1.00	0.10	13.22	66.03	0.81	4.80	1.00	0.10
13.24	65.71	0.81	4.82	1.00	0.10	13.26	65.20	0.80	4.86	1.00	0.10
13.28	64.12	0.80	4.93	1.00	0.10	13.30	64.13	0.80	4.93	1.00	0.10
13.32	64.61	0.80	4.90	1.00	0.10	13.34	67.06	0.82	4.73	1.00	0.09
13.36	69.69	0.84	4.57	1.00	0.09	13.38	79.29	0.92	4.04	1.00	0.08
13.40	82.43	0.95	3.89	1.00	0.08	13.42	83.23	0.96	3.28	1.00	0.07
13.44	85.71	0.98	2.04	1.00	0.04	13.46	85.90	0.98	1.97	1.00	0.04
13.48	86.40	0.99	1.83	1.00	0.04	13.50	89.78	1.03	1.28	1.00	0.03
13.52	116.03	1.45	0.29	1.00	0.01	13.54	125.17	1.70	0.13	1.00	0.00
13.56	137.13	2.00	0.00	1.00	0.00	13.58	142.09	2.00	0.00	1.00	0.00
13.60	146.20	2.00	0.00	1.00	0.00	13.62	146.97	2.00	0.00	1.00	0.00
13.64	145.93	2.00	0.00	1.00	0.00	13.66	140.23	2.00	0.00	1.00	0.00
13.68	134.92	2.00	0.00	1.00	0.00	13.70	130.47	1.89	0.04	1.00	0.00
13.72	125.48	1.72	0.12	1.00	0.00	13.74	119.08	1.53	0.23	1.00	0.00
13.76	110.94	1.35	0.38	1.00	0.01	13.78	101.62	1.19	0.60	1.00	0.01
13.80	91.94	1.06	1.03	1.00	0.02	13.82	88.05	1.02	1.40	1.00	0.03
13.84	90.60	1.04	1.12	1.00	0.02	13.86	92.94	1.07	0.95	1.00	0.02
13.88	95.19	1.10	0.83	1.00	0.02	13.90	100.24	1.17	0.64	1.00	0.01
13.92	103.10	1.22	0.55	1.00	0.01	13.94	100.78	1.18	0.62	1.00	0.01
13.96	93.36	1.08	0.91	1.00	0.02	13.98	87.96	1.02	1.36	1.00	0.03
14.00	89.19	1.03	1.22	1.00	0.02	14.02	96.90	1.13	0.74	1.00	0.01
14.04	103.89	1.23	0.53	1.00	0.01	14.06	105.76	1.27	0.48	1.00	0.01
14.08	102.12	1.21	0.57	1.00	0.01	14.10	97.44	1.14	0.71	1.00	0.01
14.12	95.07	1.11	0.81	1.00	0.02	14.14	97.85	1.15	0.70	1.00	0.01
14.16	98.29	1.15	0.68	1.00	0.01	14.18	97.82	1.15	0.69	1.00	0.01
14.20	97.45	1.14	0.70	1.00	0.01	14.22	98.23	1.15	0.68	1.00	0.01
14.24	101.64	1.20	0.57	1.00	0.01	14.26	106.98	1.29	0.44	1.00	0.01
14.28	110.04	1.35	0.38	1.00	0.01	14.30	111.13	1.37	0.35	1.00	0.01
14.32	101.77	1.21	0.56	1.00	0.01	14.34	91.99	1.08	0.94	1.00	0.02
14.36	86.76	1.02	1.39	1.00	0.03	14.38	83.99	0.99	1.92	1.00	0.04
14.40	83.85	0.99	1.95	1.00	0.04	14.42	83.22	0.98	2.13	1.00	0.04
14.44	83.31	0.98	2.08	1.00	0.04	14.46	83.91	0.99	1.89	1.00	0.04
14.48	81.80	0.97	2.69	1.00	0.05	14.50	87.45	1.03	1.27	1.00	0.03
14.52	91.88	1.08	0.91	1.00	0.02	14.54	100.20	1.19	0.59	1.00	0.01
14.56	104.18	1.26	0.49	1.00	0.01	14.58	103.61	1.25	0.50	1.00	0.01
14.60	100.19	1.19	0.59	1.00	0.01	14.62	97.05	1.15	0.68	1.00	0.01
14.64	95.03	1.12	0.75	1.00	0.02	14.66	99.68	1.19	0.60	1.00	0.01
14.68	100.80	1.21	0.56	1.00	0.01	14.70	98.95	1.18	0.61	1.00	0.01
14.72	94.05	1.11	0.78	1.00	0.02	14.74	88.08	1.04	1.14	1.00	0.02
14.76	87.56	1.04	1.19	1.00	0.02	14.78	97.69	1.16	0.64	1.00	0.01
14.80	98.09	1.17	0.63	1.00	0.01	14.82	91.59	1.09	0.89	1.00	0.02
14.84	86.45	1.03	1.28	1.00	0.03	14.86	27.34	2.00	0.00	1.00	0.00
14.88	30.97	2.00	0.00	1.00	0.00	14.90	104.61	1.28	0.46	1.00	0.01
14.92	113.91	1.46	0.28	1.00	0.01	14.94	114.97	1.48	0.26	1.00	0.01
14.96	104.98	1.28	0.45	1.00	0.01	14.98	94.20	1.12	0.75	1.00	0.01
15.00	86.32	1.03	1.25	1.00	0.02	15.02	78.87	0.96	4.06	1.00	0.08
15.04	82.68	0.99	1.85	1.00	0.04	15.06	89.63	1.07	0.96	1.00	0.02
15.08	101.45	1.23	0.52	1.00	0.01	15.10	104.68	1.28	0.45	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	104.33	1.28	0.45	1.00	0.01	15.14	107.66	1.34	0.38	1.00	0.01
15.16	108.60	1.36	0.37	1.00	0.01	15.18	103.92	1.27	0.46	1.00	0.01
15.20	101.61	1.24	0.51	1.00	0.01	15.22	100.00	1.21	0.55	1.00	0.01
15.24	97.59	1.18	0.61	1.00	0.01	15.26	94.12	1.13	0.72	1.00	0.01
15.28	94.59	1.14	0.70	1.00	0.01	15.30	95.27	1.15	0.68	1.00	0.01
15.32	95.67	1.15	0.66	1.00	0.01	15.34	95.31	1.15	0.67	1.00	0.01
15.36	89.81	1.08	0.90	1.00	0.02	15.38	84.20	1.02	1.39	1.00	0.03
15.40	84.70	1.02	1.32	1.00	0.03	15.42	89.11	1.07	0.93	1.00	0.02
15.44	92.43	1.11	0.77	1.00	0.02	15.46	93.90	1.13	0.71	1.00	0.01
15.48	98.56	1.20	0.57	1.00	0.01	15.50	106.45	1.33	0.39	1.00	0.01
15.52	108.31	1.37	0.36	1.00	0.01	15.54	104.74	1.30	0.42	1.00	0.01
15.56	101.42	1.25	0.49	1.00	0.01	15.58	100.81	1.24	0.50	1.00	0.01
15.60	101.12	1.24	0.50	1.00	0.01	15.62	99.57	1.22	0.53	1.00	0.01
15.64	99.44	1.22	0.53	1.00	0.01	15.66	101.30	1.25	0.49	1.00	0.01
15.68	103.52	1.28	0.44	1.00	0.01	15.70	106.59	1.34	0.38	1.00	0.01
15.72	109.43	1.40	0.33	1.00	0.01	15.74	103.63	1.29	0.43	1.00	0.01
15.76	92.85	1.13	0.71	1.00	0.01	15.78	86.40	1.05	1.05	1.00	0.02
15.80	81.21	1.00	1.74	1.00	0.03	15.82	74.90	0.94	4.27	1.00	0.09
15.84	80.09	0.99	2.02	1.00	0.04	15.86	85.96	1.05	1.06	1.00	0.02
15.88	90.02	1.10	0.81	1.00	0.02	15.90	93.44	1.14	0.68	1.00	0.01
15.92	95.53	1.17	0.61	1.00	0.01	15.94	98.07	1.21	0.55	1.00	0.01
15.96	100.27	1.24	0.49	1.00	0.01	15.98	107.36	1.36	0.35	1.00	0.01
16.00	107.39	1.37	0.35	1.00	0.01	16.02	111.32	1.45	0.28	1.00	0.01
16.04	113.74	1.50	0.24	1.00	0.00	16.06	108.82	1.40	0.32	1.00	0.01
16.08	95.92	1.18	0.59	1.00	0.01	16.10	89.01	1.09	0.83	1.00	0.02
16.12	88.93	1.09	0.83	1.00	0.02	16.14	87.89	1.08	0.88	1.00	0.02
16.16	82.77	1.03	1.30	1.00	0.03	16.18	80.67	1.01	1.63	1.00	0.03
16.20	90.51	1.11	0.75	1.00	0.02	16.22	94.12	1.16	0.63	1.00	0.01
16.24	94.52	1.17	0.61	1.00	0.01	16.26	92.08	1.14	0.69	1.00	0.01
16.28	87.94	1.09	0.86	1.00	0.02	16.30	85.42	1.06	1.01	1.00	0.02
16.32	80.58	1.01	1.58	1.00	0.03	16.34	76.60	0.97	3.25	1.00	0.07
16.36	18.11	2.00	0.00	1.00	0.00	16.38	17.38	2.00	0.00	1.00	0.00
16.40	17.38	2.00	0.00	1.00	0.00	16.42	18.83	2.00	0.00	1.00	0.00
16.44	17.37	2.00	0.00	1.00	0.00	16.46	15.41	2.00	0.00	1.00	0.00
16.48	14.12	2.00	0.00	1.00	0.00	16.50	13.87	2.00	0.00	1.00	0.00
16.52	12.82	2.00	0.00	1.00	0.00	16.54	11.28	2.00	0.00	1.00	0.00
16.56	10.24	2.00	0.00	1.00	0.00	16.58	9.03	2.00	0.00	1.00	0.00
16.60	9.19	2.00	0.00	1.00	0.00	16.62	9.58	2.00	0.00	1.00	0.00
16.64	10.29	2.00	0.00	1.00	0.00	16.66	11.57	2.00	0.00	1.00	0.00
16.68	12.52	2.00	0.00	1.00	0.00	16.70	12.59	2.00	0.00	1.00	0.00
16.72	13.07	2.00	0.00	1.00	0.00	16.74	13.30	2.00	0.00	1.00	0.00
16.76	14.98	2.00	0.00	1.00	0.00	16.78	18.36	2.00	0.00	1.00	0.00
16.80	95.58	1.20	0.55	1.00	0.01	16.82	114.21	1.54	0.21	1.00	0.00
16.84	112.10	1.50	0.24	1.00	0.00	16.86	103.58	1.33	0.38	1.00	0.01
16.88	96.80	1.22	0.51	1.00	0.01	16.90	91.43	1.15	0.65	1.00	0.01
16.92	84.77	1.07	0.93	1.00	0.02	16.94	79.30	1.01	1.52	1.00	0.03
16.96	72.43	0.95	4.41	1.00	0.09	16.98	73.81	0.96	4.33	1.00	0.09
17.00	75.19	0.97	3.08	1.00	0.06	17.02	76.43	0.99	2.29	1.00	0.05
17.04	77.32	1.00	1.93	1.00	0.04	17.06	79.25	1.02	1.47	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	80.32	1.03	1.29	1.00	0.03	17.10	81.30	1.04	1.17	1.00	0.02
17.12	81.85	1.04	1.11	1.00	0.02	17.14	83.61	1.06	0.96	1.00	0.02
17.16	84.08	1.07	0.93	1.00	0.02	17.18	85.06	1.08	0.87	1.00	0.02
17.20	85.70	1.09	0.83	1.00	0.02	17.22	86.17	1.09	0.80	1.00	0.02
17.24	86.64	1.10	0.78	1.00	0.02	17.26	87.36	1.11	0.75	1.00	0.01
17.28	87.31	1.11	0.75	1.00	0.01	17.30	87.43	1.11	0.74	1.00	0.01
17.32	86.68	1.10	0.77	1.00	0.02	17.34	86.63	1.10	0.77	1.00	0.02
17.36	86.05	1.10	0.79	1.00	0.02	17.38	85.74	1.09	0.80	1.00	0.02
17.40	84.65	1.08	0.85	1.00	0.02	17.42	84.34	1.08	0.86	1.00	0.02
17.44	82.64	1.06	0.96	1.00	0.02	17.46	81.49	1.05	1.05	1.00	0.02
17.48	80.47	1.04	1.14	1.00	0.02	17.50	80.94	1.05	1.09	1.00	0.02
17.52	82.38	1.06	0.96	1.00	0.02	17.54	85.83	1.10	0.77	1.00	0.02
17.56	90.88	1.16	0.60	1.00	0.01	17.58	98.41	1.27	0.44	1.00	0.01
17.60	105.37	1.39	0.32	1.00	0.01	17.62	103.94	1.36	0.34	1.00	0.01
17.64	96.41	1.24	0.47	1.00	0.01	17.66	85.69	1.10	0.76	1.00	0.02
17.68	81.05	1.05	1.03	1.00	0.02	17.70	83.82	1.08	0.84	1.00	0.02
17.72	88.71	1.14	0.65	1.00	0.01	17.74	87.46	1.13	0.68	1.00	0.01
17.76	83.41	1.08	0.85	1.00	0.02	17.78	80.93	1.05	1.01	1.00	0.02
17.80	81.84	1.06	0.94	1.00	0.02	17.82	79.53	1.04	1.13	1.00	0.02
17.84	77.32	1.02	1.41	1.00	0.03	17.86	76.74	1.01	1.50	1.00	0.03
17.88	78.90	1.04	1.17	1.00	0.02	17.90	79.74	1.05	1.08	1.00	0.02
17.92	79.03	1.04	1.15	1.00	0.02	17.94	81.81	1.07	0.91	1.00	0.02
17.96	83.55	1.09	0.81	1.00	0.02	17.98	82.86	1.08	0.84	1.00	0.02
18.00	83.21	1.09	0.82	1.00	0.02	18.02	84.04	1.10	0.78	1.00	0.02
18.04	84.74	1.10	0.75	1.00	0.01	18.06	83.52	1.09	0.80	1.00	0.02
18.08	80.62	1.06	0.96	1.00	0.02	18.10	82.85	1.08	0.82	1.00	0.02
18.12	87.97	1.14	0.63	1.00	0.01	18.14	90.62	1.18	0.56	1.00	0.01
18.16	91.46	1.19	0.54	1.00	0.01	18.18	90.79	1.18	0.55	1.00	0.01
18.20	87.62	1.14	0.63	1.00	0.01	18.22	84.07	1.10	0.75	1.00	0.01
18.24	82.69	1.09	0.81	1.00	0.02	18.26	84.78	1.11	0.71	1.00	0.01
18.28	92.61	1.21	0.50	1.00	0.01	18.30	96.64	1.27	0.43	1.00	0.01
18.32	98.64	1.30	0.39	1.00	0.01	18.34	96.01	1.26	0.44	1.00	0.01
18.36	88.12	1.15	0.60	1.00	0.01	18.38	83.32	1.10	0.75	1.00	0.02
18.40	84.03	1.11	0.72	1.00	0.01	18.42	85.15	1.12	0.68	1.00	0.01
18.44	86.21	1.13	0.64	1.00	0.01	18.46	89.99	1.18	0.54	1.00	0.01
18.48	97.59	1.29	0.40	1.00	0.01	18.50	102.84	1.38	0.32	1.00	0.01
18.52	104.39	1.41	0.30	1.00	0.01	18.54	107.12	1.46	0.26	1.00	0.01
18.56	112.23	1.58	0.19	1.00	0.00	18.58	120.93	1.82	0.07	1.00	0.00
18.60	133.48	2.00	0.00	1.00	0.00	18.62	148.23	2.00	0.00	1.00	0.00
18.64	158.69	2.00	0.00	1.00	0.00	18.66	162.52	2.00	0.00	1.00	0.00
18.68	159.65	2.00	0.00	1.00	0.00	18.70	149.59	2.00	0.00	1.00	0.00
18.72	140.48	2.00	0.00	1.00	0.00	18.74	137.14	2.00	0.00	1.00	0.00
18.76	139.33	2.00	0.00	1.00	0.00	18.78	142.70	2.00	0.00	1.00	0.00
18.80	143.81	2.00	0.00	1.00	0.00	18.82	141.55	2.00	0.00	1.00	0.00
18.84	134.24	2.00	0.00	1.00	0.00	18.86	127.09	2.00	0.00	1.00	0.00
18.88	121.24	1.84	0.06	1.00	0.00	18.90	117.01	1.72	0.11	1.00	0.00
18.92	113.87	1.63	0.15	1.00	0.00	18.94	106.60	1.47	0.25	1.00	0.00
18.96	100.37	1.36	0.33	1.00	0.01	18.98	98.04	1.32	0.37	1.00	0.01
19.00	98.47	1.33	0.36	1.00	0.01	19.02	103.14	1.41	0.29	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	110.25	1.55	0.20	1.00	0.00	19.06	116.49	1.71	0.12	1.00	0.00
19.08	118.19	1.76	0.09	1.00	0.00	19.10	115.13	1.68	0.13	1.00	0.00
19.12	110.09	1.55	0.20	1.00	0.00	19.14	106.38	1.48	0.25	1.00	0.00
19.16	106.41	1.48	0.24	1.00	0.00	19.18	106.18	1.47	0.25	1.00	0.00
19.20	105.08	1.45	0.26	1.00	0.01	19.22	106.75	1.49	0.24	1.00	0.00
19.24	112.08	1.61	0.17	1.00	0.00	19.26	113.77	1.65	0.15	1.00	0.00
19.28	112.83	1.63	0.16	1.00	0.00	19.30	110.50	1.57	0.19	1.00	0.00
19.32	106.28	1.48	0.24	1.00	0.00	19.34	105.71	1.47	0.25	1.00	0.00
19.36	111.46	1.60	0.17	1.00	0.00	19.38	119.88	1.83	0.06	1.00	0.00
19.40	127.34	2.00	0.00	1.00	0.00	19.42	131.72	2.00	0.00	1.00	0.00
19.44	134.16	2.00	0.00	1.00	0.00	19.46	138.31	2.00	0.00	1.00	0.00
19.48	144.11	2.00	0.00	1.00	0.00	19.50	148.33	2.00	0.00	1.00	0.00
19.52	148.08	2.00	0.00	1.00	0.00	19.54	143.71	2.00	0.00	1.00	0.00
19.56	140.30	2.00	0.00	1.00	0.00	19.58	139.32	2.00	0.00	1.00	0.00
19.60	140.06	2.00	0.00	1.00	0.00	19.62	139.63	2.00	0.00	1.00	0.00
19.64	135.43	2.00	0.00	1.00	0.00	19.66	126.28	2.00	0.00	1.00	0.00
19.68	116.28	1.74	0.10	1.00	0.00	19.70	110.14	1.58	0.18	1.00	0.00
19.72	107.83	1.53	0.21	1.00	0.00	19.74	107.60	1.53	0.21	1.00	0.00
19.76	111.94	1.63	0.15	1.00	0.00	19.78	120.25	1.86	0.05	1.00	0.00
19.80	131.59	2.00	0.00	1.00	0.00	19.82	142.99	2.00	0.00	1.00	0.00
19.84	153.60	2.00	0.00	1.00	0.00	19.86	159.14	2.00	0.00	1.00	0.00
19.88	161.74	2.00	0.00	1.00	0.00	19.90	163.80	2.00	0.00	1.00	0.00
19.92	163.72	2.00	0.00	1.00	0.00	19.94	164.11	2.00	0.00	1.00	0.00
19.96	163.85	2.00	0.00	1.00	0.00	19.98	160.16	2.00	0.00	1.00	0.00
20.00	150.36	2.00	0.00	1.00	0.00						

Total estimated settlement: 32.80

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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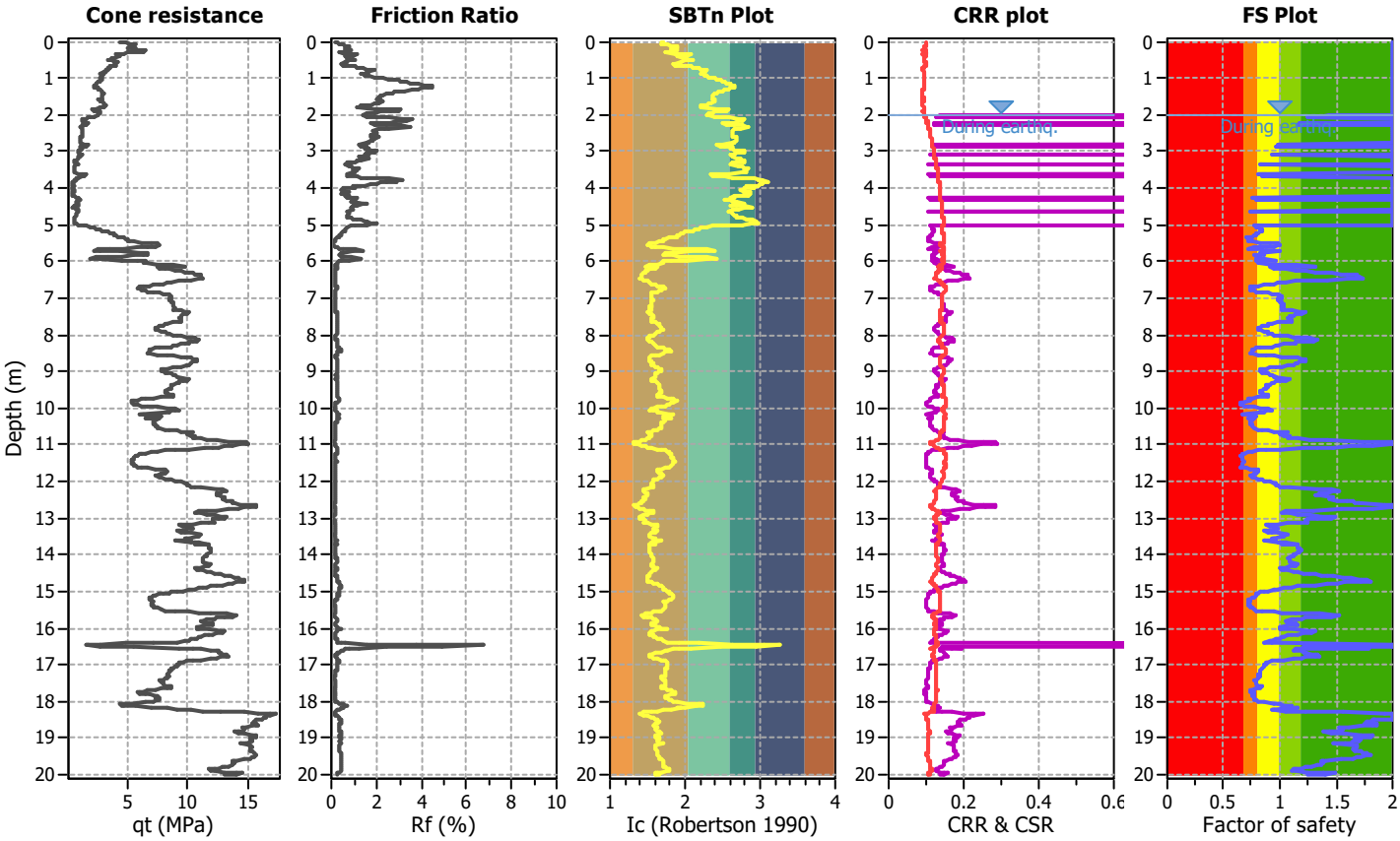
LIQUEFACTION ANALYSIS REPORT

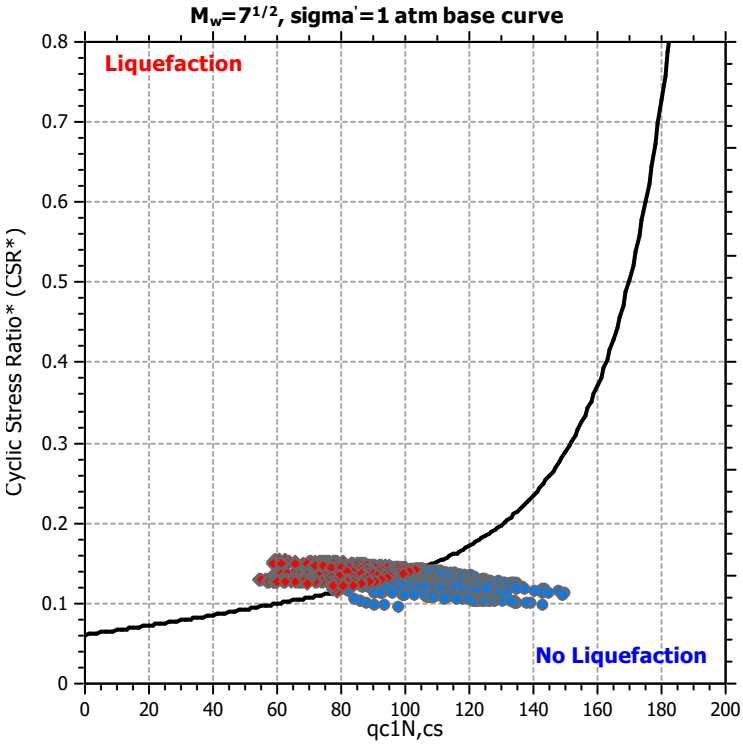
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

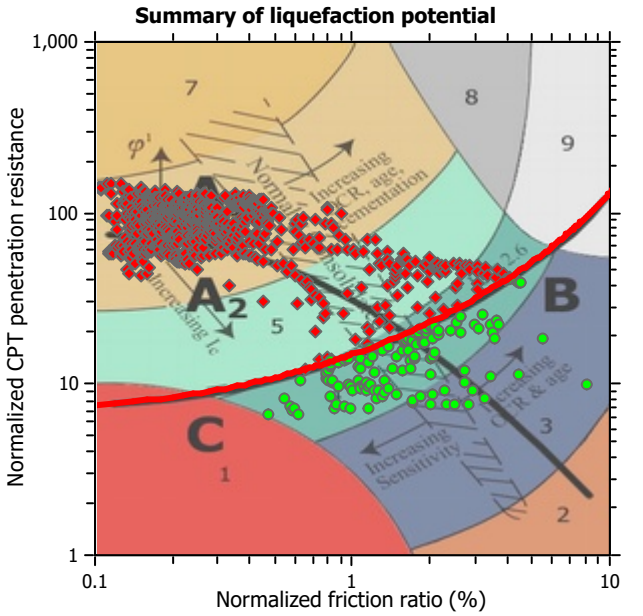
CPT file : P125

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

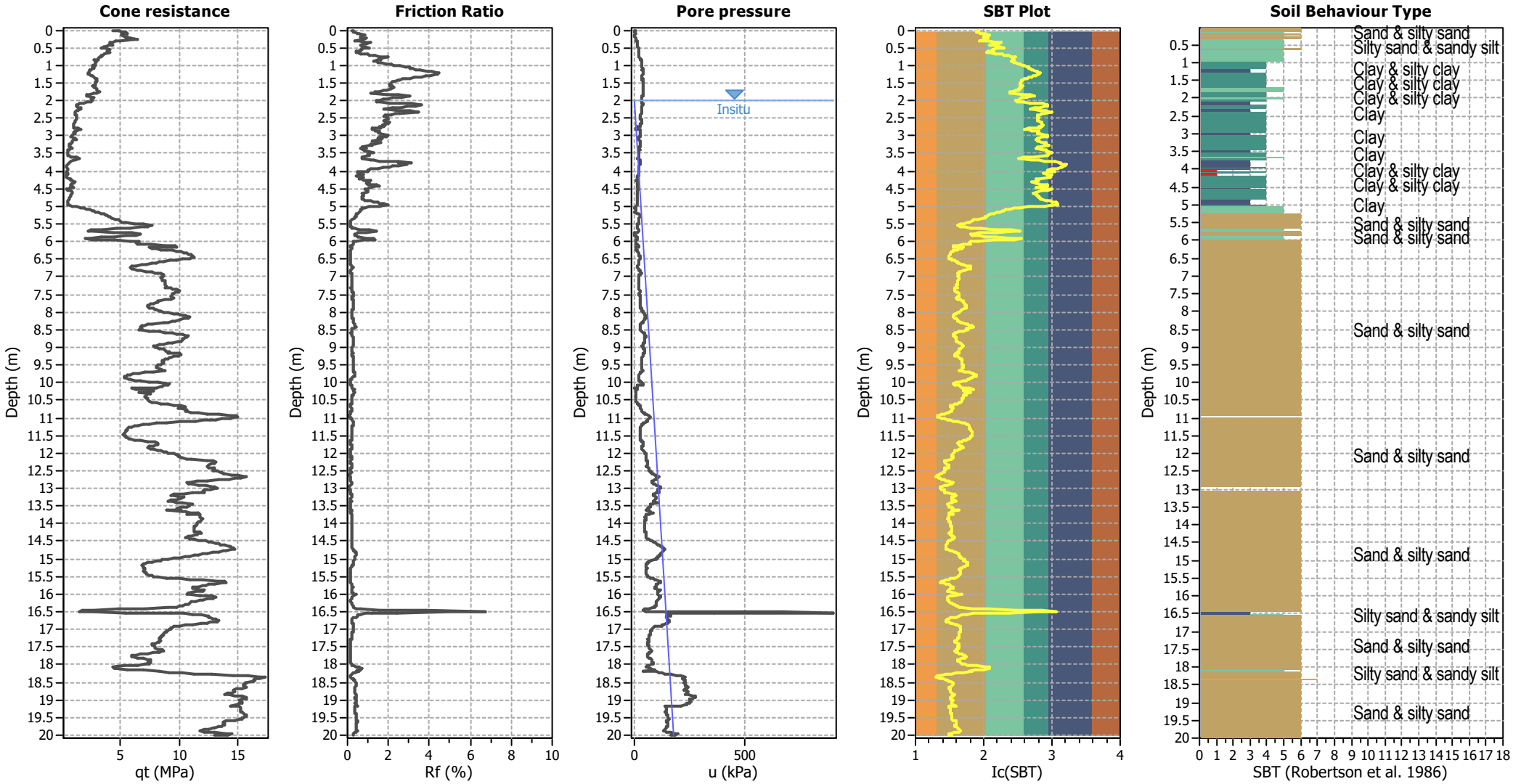






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



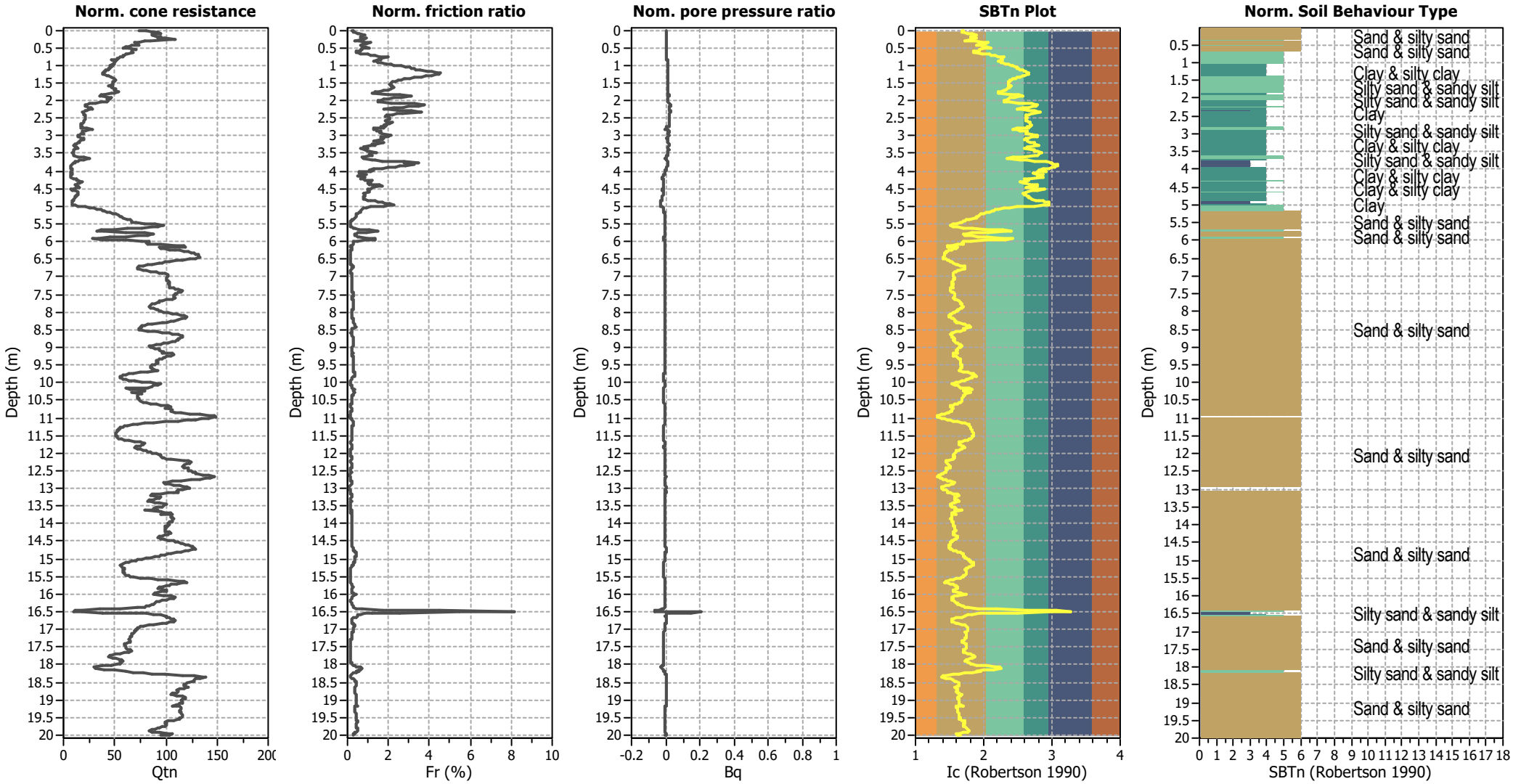
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



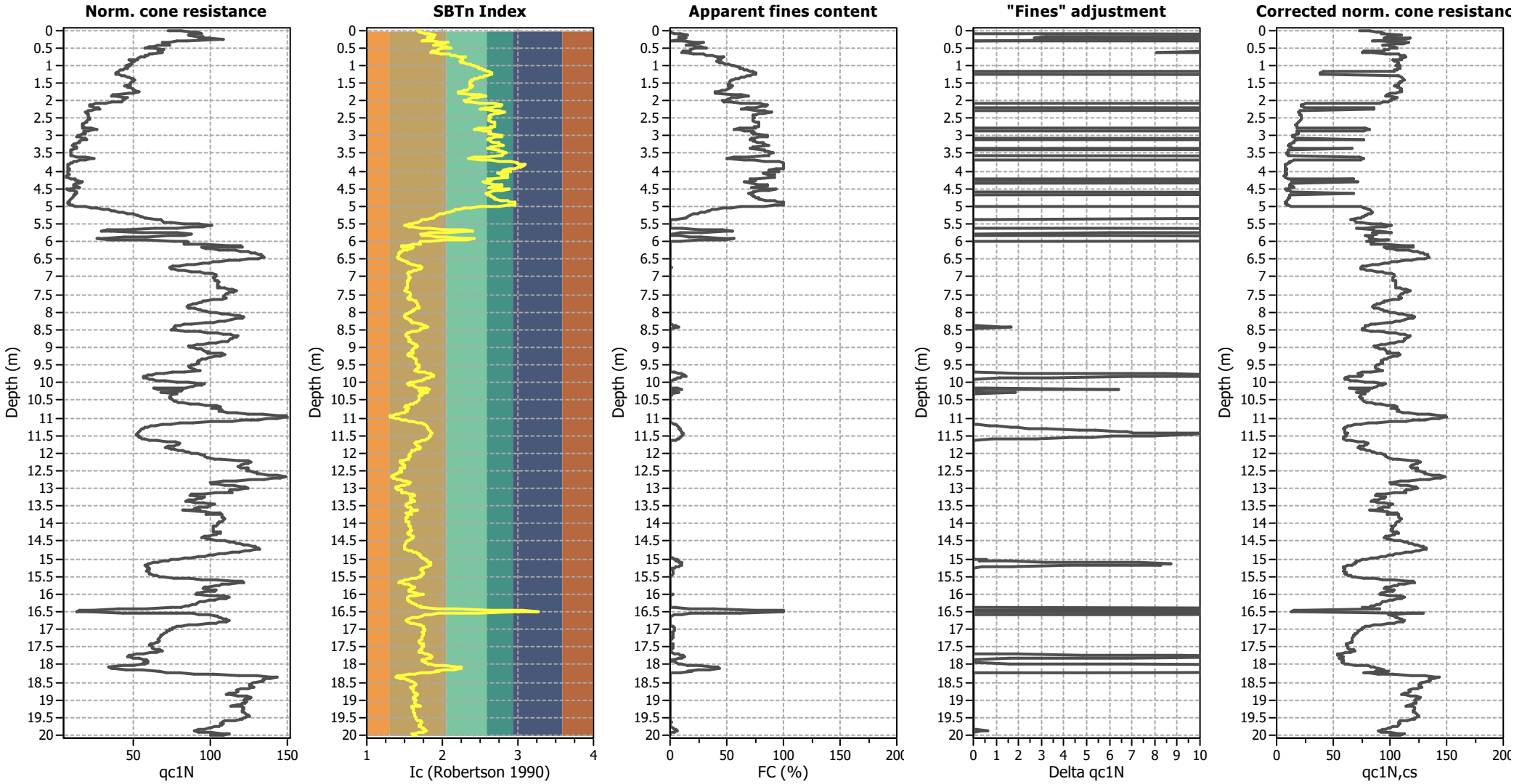
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

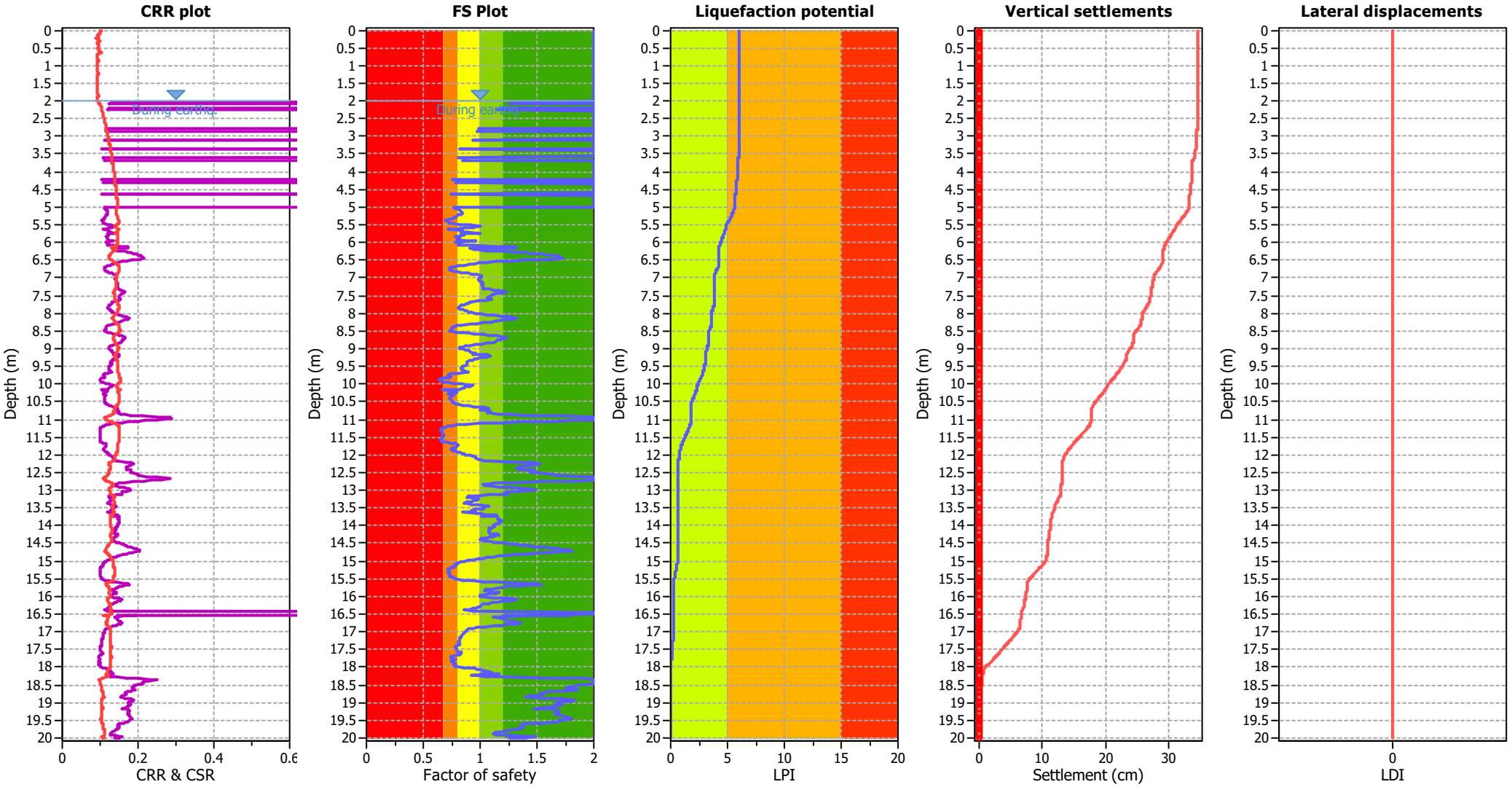
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

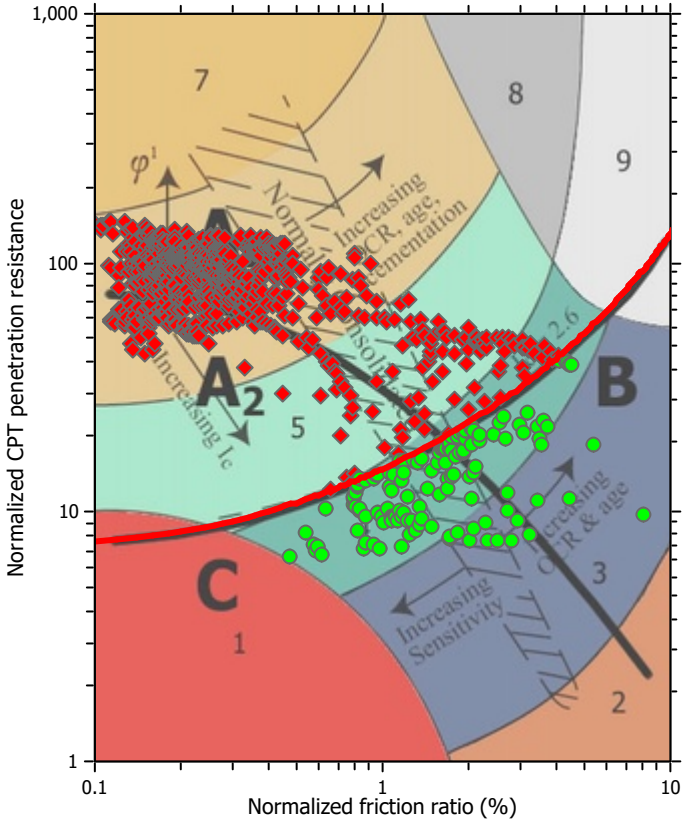
F.S. color scheme

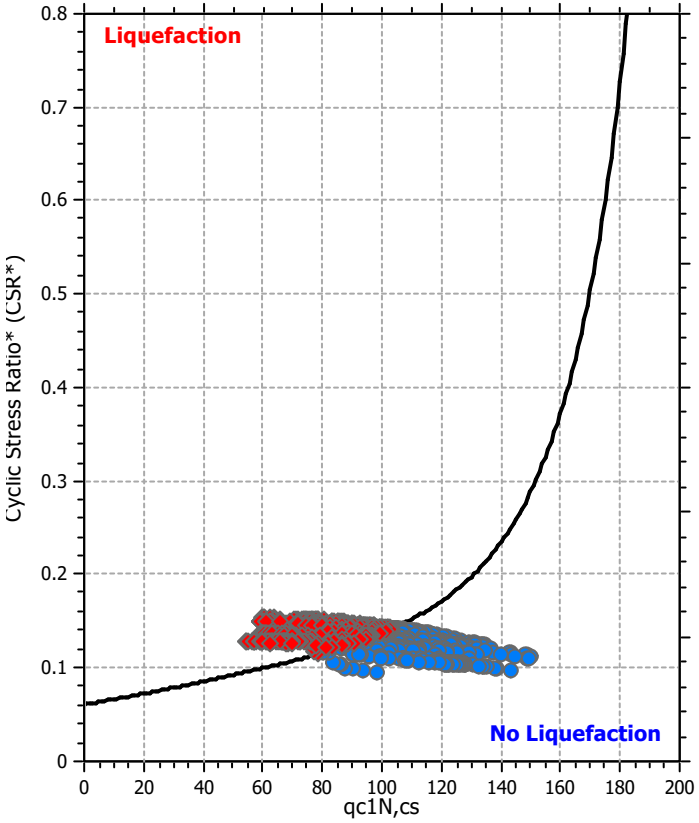
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

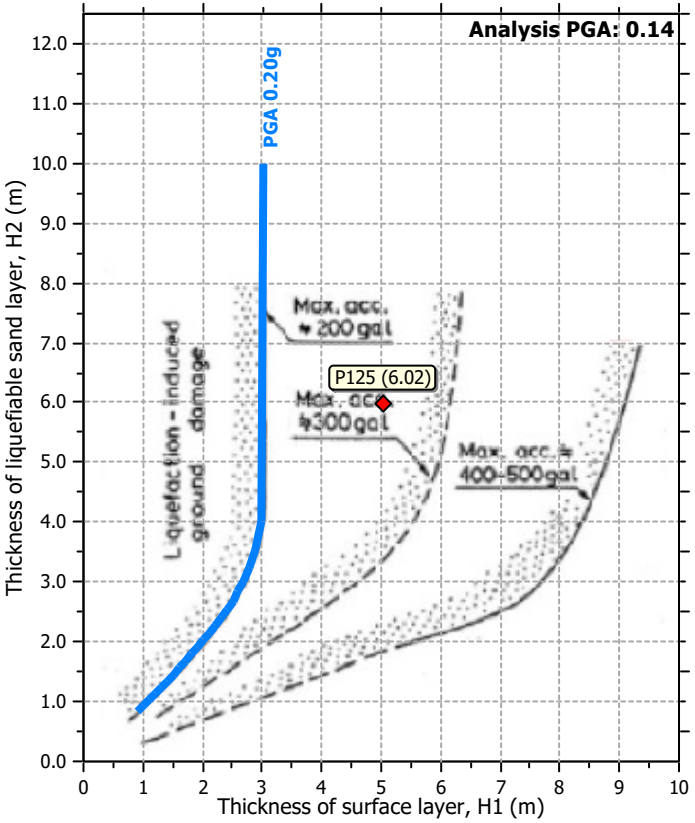
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



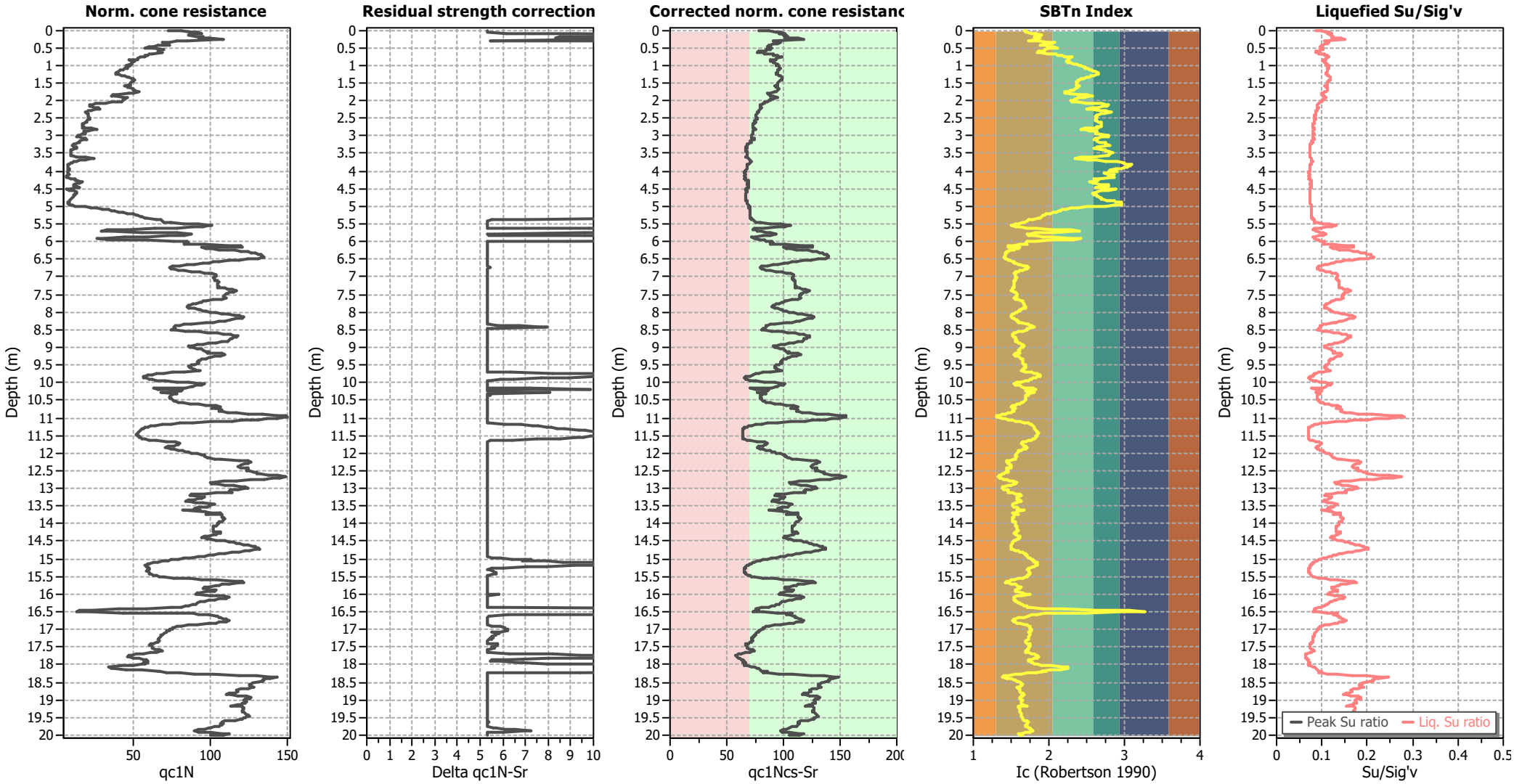




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.43	0.00	0.00	0.02	0.00	2.04	1.35	0.00	0.00	0.02	0.00
2.06	1.29	0.00	0.00	0.02	0.00	2.08	1.25	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	1.19	0.00	0.00	0.02	0.00	2.24	1.18	0.00	0.00	0.02	0.00
2.26	1.15	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	0.99	0.00	0.00	0.02	0.00
2.82	1.02	0.00	0.00	0.02	0.00	2.84	1.00	0.00	0.00	0.02	0.00
2.86	0.97	0.00	0.00	0.02	0.01	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	0.93	0.00	0.00	0.02	0.01	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	0.82	0.00	0.00	0.02	0.03
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	0.81	0.00	0.00	0.02	0.03
3.62	0.84	0.00	0.00	0.02	0.03	3.64	0.88	0.00	0.00	0.02	0.02
3.66	0.86	0.00	0.00	0.02	0.02	3.68	0.85	0.00	0.00	0.02	0.02
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	0.76	0.00	0.00	0.02	0.04
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	0.78	0.00	0.00	0.02	0.03	4.32	0.78	0.00	0.00	0.02	0.03
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	0.74	0.00	0.00	0.02	0.04	4.64	0.74	0.00	0.00	0.02	0.04
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	0.77	0.00	0.00	0.02	0.04	5.04	0.78	0.00	0.00	0.02	0.03
5.06	0.80	0.00	0.00	0.02	0.03	5.08	0.81	0.00	0.00	0.02	0.03
5.10	0.83	0.00	0.00	0.02	0.03	5.12	0.83	0.00	0.00	0.02	0.02
5.14	0.84	0.00	0.00	0.02	0.02	5.16	0.84	0.00	0.00	0.02	0.02
5.18	0.84	0.00	0.00	0.02	0.02	5.20	0.83	0.00	0.00	0.02	0.02
5.22	0.81	0.00	0.00	0.02	0.03	5.24	0.79	0.00	0.00	0.02	0.03
5.26	0.79	0.00	0.00	0.02	0.03	5.28	0.78	0.00	0.00	0.02	0.03
5.30	0.77	0.00	0.00	0.02	0.03	5.32	0.76	0.00	0.00	0.02	0.04
5.34	0.74	0.00	0.00	0.02	0.04	5.36	0.70	0.00	0.00	0.02	0.04
5.38	0.71	0.00	0.00	0.02	0.04	5.40	0.72	0.00	0.00	0.02	0.04
5.42	0.72	0.00	0.00	0.02	0.04	5.44	0.73	0.00	0.00	0.02	0.04
5.46	0.75	0.00	0.00	0.02	0.04	5.48	0.82	0.00	0.00	0.02	0.03
5.50	0.91	0.00	0.00	0.02	0.01	5.52	0.98	0.00	0.00	0.02	0.00
5.54	1.00	0.00	0.00	0.02	0.00	5.56	0.98	0.00	0.00	0.02	0.00
5.58	0.94	0.00	0.00	0.02	0.01	5.60	0.87	0.00	0.00	0.02	0.02
5.62	0.78	0.00	0.00	0.02	0.03	5.64	0.72	0.00	0.00	0.02	0.04
5.66	0.84	0.00	0.00	0.02	0.02	5.68	0.84	0.00	0.00	0.02	0.02
5.70	0.83	0.00	0.00	0.02	0.02	5.72	0.89	0.00	0.00	0.02	0.02
5.74	1.00	0.00	0.00	0.02	0.00	5.76	0.83	0.00	0.00	0.02	0.02
5.78	0.86	0.00	0.00	0.02	0.02	5.80	0.85	0.00	0.00	0.02	0.02
5.82	0.81	0.00	0.00	0.02	0.03	5.84	0.78	0.00	0.00	0.02	0.03
5.86	0.80	0.00	0.00	0.02	0.03	5.88	0.82	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.82	0.00	0.00	0.02	0.03	5.92	0.80	0.00	0.00	0.02	0.03
5.94	0.87	0.00	0.00	0.02	0.02	5.96	0.96	0.00	0.00	0.02	0.01
5.98	0.78	0.00	0.00	0.02	0.03	6.00	0.82	0.00	0.00	0.02	0.02
6.02	0.83	0.00	0.00	0.02	0.02	6.04	0.81	0.00	0.00	0.02	0.03
6.06	0.81	0.00	0.00	0.02	0.03	6.08	0.93	0.00	0.00	0.02	0.01
6.10	1.13	0.00	0.00	0.02	0.00	6.12	1.31	0.00	0.00	0.02	0.00
6.14	1.32	0.00	0.00	0.02	0.00	6.16	0.91	0.00	0.00	0.02	0.01
6.18	0.94	0.00	0.00	0.02	0.01	6.20	0.99	0.00	0.00	0.02	0.00
6.22	1.05	0.00	0.00	0.02	0.00	6.24	1.13	0.00	0.00	0.02	0.00
6.26	1.22	0.00	0.00	0.02	0.00	6.28	1.31	0.00	0.00	0.02	0.00
6.30	1.40	0.00	0.00	0.02	0.00	6.32	1.46	0.00	0.00	0.02	0.00
6.34	1.55	0.00	0.00	0.02	0.00	6.36	1.60	0.00	0.00	0.02	0.00
6.38	1.68	0.00	0.00	0.02	0.00	6.40	1.68	0.00	0.00	0.02	0.00
6.42	1.70	0.00	0.00	0.02	0.00	6.44	1.74	0.00	0.00	0.02	0.00
6.46	1.71	0.00	0.00	0.02	0.00	6.48	1.61	0.00	0.00	0.02	0.00
6.50	1.42	0.00	0.00	0.02	0.00	6.52	1.28	0.00	0.00	0.02	0.00
6.54	1.15	0.00	0.00	0.02	0.00	6.56	1.05	0.00	0.00	0.02	0.00
6.58	0.99	0.00	0.00	0.02	0.00	6.60	0.95	0.00	0.00	0.02	0.01
6.62	0.91	0.00	0.00	0.02	0.01	6.64	0.85	0.00	0.00	0.02	0.02
6.66	0.81	0.00	0.00	0.02	0.02	6.68	0.77	0.00	0.00	0.02	0.03
6.70	0.74	0.00	0.00	0.02	0.03	6.72	0.73	0.00	0.00	0.02	0.04
6.74	0.73	0.00	0.00	0.02	0.04	6.76	0.73	0.00	0.00	0.02	0.04
6.78	0.74	0.00	0.00	0.02	0.03	6.80	0.77	0.00	0.00	0.02	0.03
6.82	0.80	0.00	0.00	0.02	0.03	6.84	0.84	0.00	0.00	0.02	0.02
6.86	0.89	0.00	0.00	0.02	0.01	6.88	0.92	0.00	0.00	0.02	0.01
6.90	0.95	0.00	0.00	0.02	0.01	6.92	0.98	0.00	0.00	0.02	0.00
6.94	1.01	0.00	0.00	0.02	0.00	6.96	1.00	0.00	0.00	0.02	0.00
6.98	1.01	0.00	0.00	0.02	0.00	7.00	1.01	0.00	0.00	0.02	0.00
7.02	0.99	0.00	0.00	0.02	0.00	7.04	0.99	0.00	0.00	0.02	0.00
7.06	0.99	0.00	0.00	0.02	0.00	7.08	1.00	0.00	0.00	0.02	0.00
7.10	1.00	0.00	0.00	0.02	0.00	7.12	1.02	0.00	0.00	0.02	0.00
7.14	1.02	0.00	0.00	0.02	0.00	7.16	1.03	0.00	0.00	0.02	0.00
7.18	1.02	0.00	0.00	0.02	0.00	7.20	1.02	0.00	0.00	0.02	0.00
7.22	1.03	0.00	0.00	0.02	0.00	7.24	1.02	0.00	0.00	0.02	0.00
7.26	1.03	0.00	0.00	0.02	0.00	7.28	1.03	0.00	0.00	0.02	0.00
7.30	1.02	0.00	0.00	0.02	0.00	7.32	1.09	0.00	0.00	0.02	0.00
7.34	1.11	0.00	0.00	0.02	0.00	7.36	1.17	0.00	0.00	0.02	0.00
7.38	1.23	0.00	0.00	0.02	0.00	7.40	1.23	0.00	0.00	0.02	0.00
7.42	1.19	0.00	0.00	0.02	0.00	7.44	1.14	0.00	0.00	0.02	0.00
7.46	1.11	0.00	0.00	0.02	0.00	7.48	1.10	0.00	0.00	0.02	0.00
7.50	1.09	0.00	0.00	0.02	0.00	7.52	1.08	0.00	0.00	0.02	0.00
7.54	1.07	0.00	0.00	0.02	0.00	7.56	1.07	0.00	0.00	0.02	0.00
7.58	1.09	0.00	0.00	0.02	0.00	7.60	1.10	0.00	0.00	0.02	0.00
7.62	1.10	0.00	0.00	0.02	0.00	7.64	1.06	0.00	0.00	0.02	0.00
7.66	0.99	0.00	0.00	0.02	0.00	7.68	0.93	0.00	0.00	0.02	0.01
7.70	0.90	0.00	0.00	0.02	0.01	7.72	0.90	0.00	0.00	0.02	0.01
7.74	0.89	0.00	0.00	0.02	0.01	7.76	0.86	0.00	0.00	0.02	0.02
7.78	0.84	0.00	0.00	0.02	0.02	7.80	0.83	0.00	0.00	0.02	0.02
7.82	0.81	0.00	0.00	0.02	0.02	7.84	0.81	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.81	0.00	0.00	0.02	0.02	7.88	0.82	0.00	0.00	0.02	0.02
7.90	0.85	0.00	0.00	0.02	0.02	7.92	0.87	0.00	0.00	0.02	0.02
7.94	0.89	0.00	0.00	0.02	0.01	7.96	0.90	0.00	0.00	0.02	0.01
7.98	0.92	0.00	0.00	0.02	0.01	8.00	0.96	0.00	0.00	0.02	0.01
8.02	1.00	0.00	0.00	0.02	0.00	8.04	1.06	0.00	0.00	0.02	0.00
8.06	1.12	0.00	0.00	0.02	0.00	8.08	1.20	0.00	0.00	0.02	0.00
8.10	1.26	0.00	0.00	0.02	0.00	8.12	1.31	0.00	0.00	0.02	0.00
8.14	1.33	0.00	0.00	0.02	0.00	8.16	1.29	0.00	0.00	0.02	0.00
8.18	1.21	0.00	0.00	0.02	0.00	8.20	1.15	0.00	0.00	0.02	0.00
8.22	1.15	0.00	0.00	0.02	0.00	8.24	1.08	0.00	0.00	0.02	0.00
8.26	1.03	0.00	0.00	0.02	0.00	8.28	0.98	0.00	0.00	0.02	0.00
8.30	0.96	0.00	0.00	0.02	0.01	8.32	0.93	0.00	0.00	0.02	0.01
8.34	0.83	0.00	0.00	0.02	0.02	8.36	0.79	0.00	0.00	0.02	0.02
8.38	0.77	0.00	0.00	0.02	0.03	8.40	0.75	0.00	0.00	0.02	0.03
8.42	0.75	0.00	0.00	0.02	0.03	8.44	0.76	0.00	0.00	0.02	0.03
8.46	0.75	0.00	0.00	0.02	0.03	8.48	0.74	0.00	0.00	0.02	0.03
8.50	0.73	0.00	0.00	0.02	0.03	8.52	0.75	0.00	0.00	0.02	0.03
8.54	0.80	0.00	0.00	0.02	0.02	8.56	0.88	0.00	0.00	0.02	0.01
8.58	0.94	0.00	0.00	0.02	0.01	8.60	1.02	0.00	0.00	0.02	0.00
8.62	1.08	0.00	0.00	0.02	0.00	8.64	1.15	0.00	0.00	0.02	0.00
8.66	1.19	0.00	0.00	0.02	0.00	8.68	1.24	0.00	0.00	0.02	0.00
8.70	1.23	0.00	0.00	0.02	0.00	8.72	1.20	0.00	0.00	0.02	0.00
8.74	1.18	0.00	0.00	0.02	0.00	8.76	1.15	0.00	0.00	0.02	0.00
8.78	1.14	0.00	0.00	0.02	0.00	8.80	1.14	0.00	0.00	0.02	0.00
8.82	1.12	0.00	0.00	0.02	0.00	8.84	1.07	0.00	0.00	0.02	0.00
8.86	1.01	0.00	0.00	0.02	0.00	8.88	0.96	0.00	0.00	0.02	0.00
8.90	0.91	0.00	0.00	0.02	0.01	8.92	0.87	0.00	0.00	0.02	0.01
8.94	0.84	0.00	0.00	0.02	0.02	8.96	0.82	0.00	0.00	0.02	0.02
8.98	0.82	0.00	0.00	0.02	0.02	9.00	0.83	0.00	0.00	0.02	0.02
9.02	0.84	0.00	0.00	0.02	0.02	9.04	0.87	0.00	0.00	0.02	0.01
9.06	0.90	0.00	0.00	0.02	0.01	9.08	0.92	0.00	0.00	0.02	0.01
9.10	0.91	0.00	0.00	0.02	0.01	9.12	0.93	0.00	0.00	0.02	0.01
9.14	0.96	0.00	0.00	0.02	0.00	9.16	0.94	0.00	0.00	0.02	0.01
9.18	1.07	0.00	0.00	0.02	0.00	9.20	1.09	0.00	0.00	0.02	0.00
9.22	1.09	0.00	0.00	0.02	0.00	9.24	1.05	0.00	0.00	0.02	0.00
9.26	1.00	0.00	0.00	0.02	0.00	9.28	0.97	0.00	0.00	0.02	0.00
9.30	0.95	0.00	0.00	0.02	0.00	9.32	0.94	0.00	0.00	0.02	0.01
9.34	0.91	0.00	0.00	0.02	0.01	9.36	0.89	0.00	0.00	0.02	0.01
9.38	0.89	0.00	0.00	0.02	0.01	9.40	0.88	0.00	0.00	0.02	0.01
9.42	0.89	0.00	0.00	0.02	0.01	9.44	0.89	0.00	0.00	0.02	0.01
9.46	0.88	0.00	0.00	0.02	0.01	9.48	0.86	0.00	0.00	0.02	0.01
9.50	0.84	0.00	0.00	0.02	0.02	9.52	0.83	0.00	0.00	0.02	0.02
9.54	0.83	0.00	0.00	0.02	0.02	9.56	0.83	0.00	0.00	0.02	0.02
9.58	0.84	0.00	0.00	0.02	0.02	9.60	0.85	0.00	0.00	0.02	0.02
9.62	0.86	0.00	0.00	0.02	0.01	9.64	0.88	0.00	0.00	0.02	0.01
9.66	0.90	0.00	0.00	0.02	0.01	9.68	0.90	0.00	0.00	0.02	0.01
9.70	0.80	0.00	0.00	0.02	0.02	9.72	0.75	0.00	0.00	0.02	0.03
9.74	0.72	0.00	0.00	0.02	0.03	9.76	0.73	0.00	0.00	0.02	0.03
9.78	0.73	0.00	0.00	0.02	0.03	9.80	0.74	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.73	0.00	0.00	0.02	0.03	9.84	0.67	0.00	0.00	0.02	0.03
9.86	0.65	0.00	0.00	0.02	0.04	9.88	0.65	0.00	0.00	0.02	0.04
9.90	0.65	0.00	0.00	0.02	0.04	9.92	0.66	0.00	0.00	0.02	0.03
9.94	0.68	0.00	0.00	0.02	0.03	9.96	0.71	0.00	0.00	0.02	0.03
9.98	0.77	0.00	0.00	0.02	0.02	10.00	0.83	0.00	0.00	0.02	0.02
10.02	0.90	0.00	0.00	0.02	0.01	10.04	0.93	0.00	0.00	0.02	0.01
10.06	0.91	0.00	0.00	0.02	0.01	10.08	0.87	0.00	0.00	0.02	0.01
10.10	0.86	0.00	0.00	0.02	0.01	10.12	0.85	0.00	0.00	0.02	0.02
10.14	0.82	0.00	0.00	0.02	0.02	10.16	0.67	0.00	0.00	0.02	0.03
10.18	0.73	0.00	0.00	0.02	0.03	10.20	0.80	0.00	0.00	0.02	0.02
10.22	0.79	0.00	0.00	0.02	0.02	10.24	0.79	0.00	0.00	0.02	0.02
10.26	0.73	0.00	0.00	0.02	0.03	10.28	0.71	0.00	0.00	0.02	0.03
10.30	0.77	0.00	0.00	0.02	0.02	10.32	0.75	0.00	0.00	0.02	0.02
10.34	0.74	0.00	0.00	0.02	0.02	10.36	0.75	0.00	0.00	0.02	0.02
10.38	0.74	0.00	0.00	0.02	0.02	10.40	0.74	0.00	0.00	0.02	0.03
10.42	0.74	0.00	0.00	0.02	0.03	10.44	0.74	0.00	0.00	0.02	0.02
10.46	0.75	0.00	0.00	0.02	0.02	10.48	0.75	0.00	0.00	0.02	0.02
10.50	0.76	0.00	0.00	0.02	0.02	10.52	0.76	0.00	0.00	0.02	0.02
10.54	0.76	0.00	0.00	0.02	0.02	10.56	0.78	0.00	0.00	0.02	0.02
10.58	0.81	0.00	0.00	0.02	0.02	10.60	0.84	0.00	0.00	0.02	0.01
10.62	0.90	0.00	0.00	0.02	0.01	10.64	0.95	0.00	0.00	0.02	0.01
10.66	1.03	0.00	0.00	0.02	0.00	10.68	1.07	0.00	0.00	0.02	0.00
10.70	1.03	0.00	0.00	0.02	0.00	10.72	1.00	0.00	0.00	0.02	0.00
10.74	1.03	0.00	0.00	0.02	0.00	10.76	1.09	0.00	0.00	0.02	0.00
10.78	1.09	0.00	0.00	0.02	0.00	10.80	1.07	0.00	0.00	0.02	0.00
10.82	1.08	0.00	0.00	0.02	0.00	10.84	1.15	0.00	0.00	0.02	0.00
10.86	1.26	0.00	0.00	0.02	0.00	10.88	1.43	0.00	0.00	0.02	0.00
10.90	1.74	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	1.83	0.00	0.00	0.02	0.00	11.04	1.64	0.00	0.00	0.02	0.00
11.06	1.48	0.00	0.00	0.02	0.00	11.08	1.34	0.00	0.00	0.02	0.00
11.10	1.20	0.00	0.00	0.02	0.00	11.12	1.01	0.00	0.00	0.02	0.00
11.14	0.87	0.00	0.00	0.02	0.01	11.16	0.80	0.00	0.00	0.02	0.02
11.18	0.75	0.00	0.00	0.02	0.02	11.20	0.72	0.00	0.00	0.02	0.02
11.22	0.69	0.00	0.00	0.02	0.03	11.24	0.68	0.00	0.00	0.02	0.03
11.26	0.67	0.00	0.00	0.02	0.03	11.28	0.66	0.00	0.00	0.02	0.03
11.30	0.66	0.00	0.00	0.02	0.03	11.32	0.66	0.00	0.00	0.02	0.03
11.34	0.66	0.00	0.00	0.02	0.03	11.36	0.66	0.00	0.00	0.02	0.03
11.38	0.67	0.00	0.00	0.02	0.03	11.40	0.67	0.00	0.00	0.02	0.03
11.42	0.67	0.00	0.00	0.02	0.03	11.44	0.68	0.00	0.00	0.02	0.03
11.46	0.68	0.00	0.00	0.02	0.03	11.48	0.68	0.00	0.00	0.02	0.03
11.50	0.67	0.00	0.00	0.02	0.03	11.52	0.66	0.00	0.00	0.02	0.03
11.54	0.66	0.00	0.00	0.02	0.03	11.56	0.66	0.00	0.00	0.02	0.03
11.58	0.66	0.00	0.00	0.02	0.03	11.60	0.66	0.00	0.00	0.02	0.03
11.62	0.67	0.00	0.00	0.02	0.03	11.64	0.70	0.00	0.00	0.02	0.03
11.66	0.74	0.00	0.00	0.02	0.02	11.68	0.78	0.00	0.00	0.02	0.02
11.70	0.80	0.00	0.00	0.02	0.02	11.72	0.81	0.00	0.00	0.02	0.02
11.74	0.80	0.00	0.00	0.02	0.02	11.76	0.80	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	0.79	0.00	0.00	0.02	0.02	11.80	0.78	0.00	0.00	0.02	0.02
11.82	0.75	0.00	0.00	0.02	0.02	11.84	0.74	0.00	0.00	0.02	0.02
11.86	0.74	0.00	0.00	0.02	0.02	11.88	0.76	0.00	0.00	0.02	0.02
11.90	0.78	0.00	0.00	0.02	0.02	11.92	0.80	0.00	0.00	0.02	0.02
11.94	0.82	0.00	0.00	0.02	0.01	11.96	0.84	0.00	0.00	0.02	0.01
11.98	0.86	0.00	0.00	0.02	0.01	12.00	0.87	0.00	0.00	0.02	0.01
12.02	0.91	0.00	0.00	0.02	0.01	12.04	0.94	0.00	0.00	0.02	0.00
12.06	0.96	0.00	0.00	0.02	0.00	12.08	0.97	0.00	0.00	0.02	0.00
12.10	0.96	0.00	0.00	0.02	0.00	12.12	0.99	0.00	0.00	0.02	0.00
12.14	1.00	0.00	0.00	0.02	0.00	12.16	1.04	0.00	0.00	0.02	0.00
12.18	1.10	0.00	0.00	0.02	0.00	12.20	1.33	0.00	0.00	0.02	0.00
12.22	1.46	0.00	0.00	0.02	0.00	12.24	1.53	0.00	0.00	0.02	0.00
12.26	1.50	0.00	0.00	0.02	0.00	12.28	1.47	0.00	0.00	0.02	0.00
12.30	1.42	0.00	0.00	0.02	0.00	12.32	1.36	0.00	0.00	0.02	0.00
12.34	1.35	0.00	0.00	0.02	0.00	12.36	1.33	0.00	0.00	0.02	0.00
12.38	1.32	0.00	0.00	0.02	0.00	12.40	1.35	0.00	0.00	0.02	0.00
12.42	1.46	0.00	0.00	0.02	0.00	12.44	1.47	0.00	0.00	0.02	0.00
12.46	1.46	0.00	0.00	0.02	0.00	12.48	1.44	0.00	0.00	0.02	0.00
12.50	1.45	0.00	0.00	0.02	0.00	12.52	1.52	0.00	0.00	0.02	0.00
12.54	1.60	0.00	0.00	0.02	0.00	12.56	1.65	0.00	0.00	0.02	0.00
12.58	1.66	0.00	0.00	0.02	0.00	12.60	1.71	0.00	0.00	0.02	0.00
12.62	1.93	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	1.83	0.00	0.00	0.02	0.00	12.76	1.54	0.00	0.00	0.02	0.00
12.78	1.31	0.00	0.00	0.02	0.00	12.80	1.15	0.00	0.00	0.02	0.00
12.82	1.05	0.00	0.00	0.02	0.00	12.84	1.02	0.00	0.00	0.02	0.00
12.86	1.04	0.00	0.00	0.02	0.00	12.88	1.09	0.00	0.00	0.02	0.00
12.90	1.16	0.00	0.00	0.02	0.00	12.92	1.27	0.00	0.00	0.02	0.00
12.94	1.37	0.00	0.00	0.02	0.00	12.96	1.44	0.00	0.00	0.02	0.00
12.98	1.49	0.00	0.00	0.02	0.00	13.00	1.45	0.00	0.00	0.02	0.00
13.02	1.34	0.00	0.00	0.02	0.00	13.04	1.24	0.00	0.00	0.02	0.00
13.06	1.22	0.00	0.00	0.02	0.00	13.08	1.24	0.00	0.00	0.02	0.00
13.10	1.25	0.00	0.00	0.02	0.00	13.12	1.16	0.00	0.00	0.02	0.00
13.14	1.08	0.00	0.00	0.02	0.00	13.16	0.99	0.00	0.00	0.02	0.00
13.18	0.90	0.00	0.00	0.02	0.01	13.20	0.89	0.00	0.00	0.02	0.01
13.22	0.90	0.00	0.00	0.02	0.01	13.24	0.96	0.00	0.00	0.02	0.00
13.26	0.98	0.00	0.00	0.02	0.00	13.28	0.97	0.00	0.00	0.02	0.00
13.30	0.95	0.00	0.00	0.02	0.00	13.32	0.92	0.00	0.00	0.02	0.01
13.34	0.88	0.00	0.00	0.02	0.01	13.36	0.86	0.00	0.00	0.02	0.01
13.38	0.89	0.00	0.00	0.02	0.01	13.40	0.92	0.00	0.00	0.02	0.00
13.42	0.98	0.00	0.00	0.02	0.00	13.44	1.08	0.00	0.00	0.02	0.00
13.46	1.05	0.00	0.00	0.02	0.00	13.48	1.03	0.00	0.00	0.02	0.00
13.50	1.04	0.00	0.00	0.02	0.00	13.52	1.02	0.00	0.00	0.02	0.00
13.54	0.96	0.00	0.00	0.02	0.00	13.56	0.93	0.00	0.00	0.02	0.00
13.58	0.94	0.00	0.00	0.02	0.00	13.60	0.96	0.00	0.00	0.02	0.00
13.62	0.85	0.00	0.00	0.02	0.01	13.64	0.98	0.00	0.00	0.02	0.00
13.66	1.00	0.00	0.00	0.02	0.00	13.68	1.05	0.00	0.00	0.02	0.00
13.70	1.14	0.00	0.00	0.02	0.00	13.72	1.01	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	1.16	0.00	0.00	0.02	0.00	13.76	1.15	0.00	0.00	0.02	0.00
13.78	1.15	0.00	0.00	0.02	0.00	13.80	1.16	0.00	0.00	0.02	0.00
13.82	1.15	0.00	0.00	0.02	0.00	13.84	1.17	0.00	0.00	0.02	0.00
13.86	1.19	0.00	0.00	0.02	0.00	13.88	1.17	0.00	0.00	0.02	0.00
13.90	1.17	0.00	0.00	0.02	0.00	13.92	1.17	0.00	0.00	0.02	0.00
13.94	1.17	0.00	0.00	0.02	0.00	13.96	1.14	0.00	0.00	0.02	0.00
13.98	1.13	0.00	0.00	0.02	0.00	14.00	1.12	0.00	0.00	0.02	0.00
14.02	1.13	0.00	0.00	0.02	0.00	14.04	1.12	0.00	0.00	0.02	0.00
14.06	1.11	0.00	0.00	0.02	0.00	14.08	1.08	0.00	0.00	0.02	0.00
14.10	1.08	0.00	0.00	0.02	0.00	14.12	1.09	0.00	0.00	0.02	0.00
14.14	1.08	0.00	0.00	0.02	0.00	14.16	1.08	0.00	0.00	0.02	0.00
14.18	1.08	0.00	0.00	0.02	0.00	14.20	1.08	0.00	0.00	0.02	0.00
14.22	1.09	0.00	0.00	0.02	0.00	14.24	1.15	0.00	0.00	0.02	0.00
14.26	1.16	0.00	0.00	0.02	0.00	14.28	1.14	0.00	0.00	0.02	0.00
14.30	1.12	0.00	0.00	0.02	0.00	14.32	1.09	0.00	0.00	0.02	0.00
14.34	1.05	0.00	0.00	0.02	0.00	14.36	1.01	0.00	0.00	0.02	0.00
14.38	0.99	0.00	0.00	0.02	0.00	14.40	1.02	0.00	0.00	0.02	0.00
14.42	1.04	0.00	0.00	0.02	0.00	14.44	1.07	0.00	0.00	0.02	0.00
14.46	1.12	0.00	0.00	0.02	0.00	14.48	1.16	0.00	0.00	0.02	0.00
14.50	1.21	0.00	0.00	0.02	0.00	14.52	1.26	0.00	0.00	0.02	0.00
14.54	1.31	0.00	0.00	0.02	0.00	14.56	1.37	0.00	0.00	0.02	0.00
14.58	1.42	0.00	0.00	0.02	0.00	14.60	1.47	0.00	0.00	0.02	0.00
14.62	1.56	0.00	0.00	0.02	0.00	14.64	1.64	0.00	0.00	0.02	0.00
14.66	1.69	0.00	0.00	0.02	0.00	14.68	1.71	0.00	0.00	0.02	0.00
14.70	1.78	0.00	0.00	0.02	0.00	14.72	1.81	0.00	0.00	0.02	0.00
14.74	1.71	0.00	0.00	0.02	0.00	14.76	1.59	0.00	0.00	0.02	0.00
14.78	1.50	0.00	0.00	0.02	0.00	14.80	1.42	0.00	0.00	0.02	0.00
14.82	1.32	0.00	0.00	0.02	0.00	14.84	1.22	0.00	0.00	0.02	0.00
14.86	1.16	0.00	0.00	0.02	0.00	14.88	1.11	0.00	0.00	0.02	0.00
14.90	1.06	0.00	0.00	0.02	0.00	14.92	1.03	0.00	0.00	0.02	0.00
14.94	0.99	0.00	0.00	0.02	0.00	14.96	0.94	0.00	0.00	0.02	0.00
14.98	0.90	0.00	0.00	0.02	0.01	15.00	0.86	0.00	0.00	0.02	0.01
15.02	0.83	0.00	0.00	0.02	0.01	15.04	0.81	0.00	0.00	0.02	0.01
15.06	0.80	0.00	0.00	0.02	0.01	15.08	0.78	0.00	0.00	0.02	0.01
15.10	0.79	0.00	0.00	0.02	0.01	15.12	0.79	0.00	0.00	0.02	0.01
15.14	0.78	0.00	0.00	0.02	0.01	15.16	0.77	0.00	0.00	0.02	0.01
15.18	0.76	0.00	0.00	0.02	0.01	15.20	0.74	0.00	0.00	0.02	0.01
15.22	0.73	0.00	0.00	0.02	0.01	15.24	0.72	0.00	0.00	0.02	0.01
15.26	0.72	0.00	0.00	0.02	0.01	15.28	0.73	0.00	0.00	0.02	0.01
15.30	0.73	0.00	0.00	0.02	0.01	15.32	0.73	0.00	0.00	0.02	0.01
15.34	0.72	0.00	0.00	0.02	0.01	15.36	0.72	0.00	0.00	0.02	0.01
15.38	0.73	0.00	0.00	0.02	0.01	15.40	0.73	0.00	0.00	0.02	0.01
15.42	0.73	0.00	0.00	0.02	0.01	15.44	0.74	0.00	0.00	0.02	0.01
15.46	0.75	0.00	0.00	0.02	0.01	15.48	0.77	0.00	0.00	0.02	0.01
15.50	0.78	0.00	0.00	0.02	0.01	15.52	0.80	0.00	0.00	0.02	0.01
15.54	0.85	0.00	0.00	0.02	0.01	15.56	0.94	0.00	0.00	0.02	0.00
15.58	1.02	0.00	0.00	0.02	0.00	15.60	1.15	0.00	0.00	0.02	0.00
15.62	1.35	0.00	0.00	0.02	0.00	15.64	1.48	0.00	0.00	0.02	0.00
15.66	1.53	0.00	0.00	0.02	0.00	15.68	1.45	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	1.31	0.00	0.00	0.02	0.00	15.72	1.22	0.00	0.00	0.02	0.00
15.74	1.19	0.00	0.00	0.02	0.00	15.76	1.16	0.00	0.00	0.02	0.00
15.78	1.10	0.00	0.00	0.02	0.00	15.80	1.05	0.00	0.00	0.02	0.00
15.82	1.04	0.00	0.00	0.02	0.00	15.84	1.07	0.00	0.00	0.02	0.00
15.86	1.11	0.00	0.00	0.02	0.00	15.88	1.15	0.00	0.00	0.02	0.00
15.90	1.16	0.00	0.00	0.02	0.00	15.92	1.15	0.00	0.00	0.02	0.00
15.94	1.08	0.00	0.00	0.02	0.00	15.96	1.02	0.00	0.00	0.02	0.00
15.98	1.01	0.00	0.00	0.02	0.00	16.00	1.00	0.00	0.00	0.02	0.00
16.02	1.01	0.00	0.00	0.02	0.00	16.04	1.12	0.00	0.00	0.02	0.00
16.06	1.25	0.00	0.00	0.02	0.00	16.08	1.32	0.00	0.00	0.02	0.00
16.10	1.31	0.00	0.00	0.02	0.00	16.12	1.28	0.00	0.00	0.02	0.00
16.14	1.21	0.00	0.00	0.02	0.00	16.16	1.15	0.00	0.00	0.02	0.00
16.18	1.11	0.00	0.00	0.02	0.00	16.20	1.07	0.00	0.00	0.02	0.00
16.22	1.03	0.00	0.00	0.02	0.00	16.24	1.02	0.00	0.00	0.02	0.00
16.26	1.02	0.00	0.00	0.02	0.00	16.28	1.00	0.00	0.00	0.02	0.00
16.30	0.98	0.00	0.00	0.02	0.00	16.32	0.96	0.00	0.00	0.02	0.00
16.34	0.93	0.00	0.00	0.02	0.00	16.36	0.91	0.00	0.00	0.02	0.00
16.38	0.86	0.00	0.00	0.02	0.01	16.40	0.93	0.00	0.00	0.02	0.00
16.42	1.02	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	1.21	0.00	0.00	0.02	0.00
16.54	1.79	0.00	0.00	0.02	0.00	16.56	1.47	0.00	0.00	0.02	0.00
16.58	1.14	0.00	0.00	0.02	0.00	16.60	1.12	0.00	0.00	0.02	0.00
16.62	1.19	0.00	0.00	0.02	0.00	16.64	1.21	0.00	0.00	0.02	0.00
16.66	1.22	0.00	0.00	0.02	0.00	16.68	1.23	0.00	0.00	0.02	0.00
16.70	1.27	0.00	0.00	0.02	0.00	16.72	1.31	0.00	0.00	0.02	0.00
16.74	1.33	0.00	0.00	0.02	0.00	16.76	1.35	0.00	0.00	0.02	0.00
16.78	1.32	0.00	0.00	0.02	0.00	16.80	1.23	0.00	0.00	0.02	0.00
16.82	1.19	0.00	0.00	0.02	0.00	16.84	1.13	0.00	0.00	0.02	0.00
16.86	1.03	0.00	0.00	0.02	0.00	16.88	0.98	0.00	0.00	0.02	0.00
16.90	0.93	0.00	0.00	0.02	0.00	16.92	0.90	0.00	0.00	0.02	0.00
16.94	0.89	0.00	0.00	0.02	0.00	16.96	0.88	0.00	0.00	0.02	0.00
16.98	0.88	0.00	0.00	0.02	0.00	17.00	0.87	0.00	0.00	0.02	0.00
17.02	0.86	0.00	0.00	0.02	0.00	17.04	0.85	0.00	0.00	0.02	0.00
17.06	0.85	0.00	0.00	0.02	0.00	17.08	0.85	0.00	0.00	0.02	0.00
17.10	0.84	0.00	0.00	0.02	0.00	17.12	0.83	0.00	0.00	0.02	0.00
17.14	0.83	0.00	0.00	0.02	0.00	17.16	0.83	0.00	0.00	0.02	0.00
17.18	0.83	0.00	0.00	0.02	0.00	17.20	0.82	0.00	0.00	0.02	0.00
17.22	0.82	0.00	0.00	0.02	0.01	17.24	0.82	0.00	0.00	0.02	0.01
17.26	0.82	0.00	0.00	0.02	0.01	17.28	0.81	0.00	0.00	0.02	0.01
17.30	0.81	0.00	0.00	0.02	0.01	17.32	0.82	0.00	0.00	0.02	0.00
17.34	0.82	0.00	0.00	0.02	0.00	17.36	0.81	0.00	0.00	0.02	0.00
17.38	0.81	0.00	0.00	0.02	0.01	17.40	0.79	0.00	0.00	0.02	0.01
17.42	0.78	0.00	0.00	0.02	0.01	17.44	0.78	0.00	0.00	0.02	0.01
17.46	0.79	0.00	0.00	0.02	0.01	17.48	0.79	0.00	0.00	0.02	0.01
17.50	0.79	0.00	0.00	0.02	0.01	17.52	0.79	0.00	0.00	0.02	0.01
17.54	0.79	0.00	0.00	0.02	0.01	17.56	0.81	0.00	0.00	0.02	0.00
17.58	0.83	0.00	0.00	0.02	0.00	17.60	0.84	0.00	0.00	0.02	0.00
17.62	0.83	0.00	0.00	0.02	0.00	17.64	0.81	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	0.79	0.00	0.00	0.02	0.00	17.68	0.76	0.00	0.00	0.02	0.01
17.70	0.74	0.00	0.00	0.02	0.01	17.72	0.74	0.00	0.00	0.02	0.01
17.74	0.75	0.00	0.00	0.02	0.01	17.76	0.77	0.00	0.00	0.02	0.01
17.78	0.78	0.00	0.00	0.02	0.00	17.80	0.76	0.00	0.00	0.02	0.01
17.82	0.75	0.00	0.00	0.02	0.01	17.84	0.76	0.00	0.00	0.02	0.01
17.86	0.77	0.00	0.00	0.02	0.00	17.88	0.78	0.00	0.00	0.02	0.00
17.90	0.77	0.00	0.00	0.02	0.00	17.92	0.76	0.00	0.00	0.02	0.00
17.94	0.77	0.00	0.00	0.02	0.00	17.96	0.78	0.00	0.00	0.02	0.00
17.98	0.78	0.00	0.00	0.02	0.00	18.00	0.80	0.00	0.00	0.02	0.00
18.02	0.85	0.00	0.00	0.02	0.00	18.04	0.95	0.00	0.00	0.02	0.00
18.06	0.98	0.00	0.00	0.02	0.00	18.08	1.00	0.00	0.00	0.02	0.00
18.10	1.03	0.00	0.00	0.02	0.00	18.12	1.05	0.00	0.00	0.02	0.00
18.14	1.10	0.00	0.00	0.02	0.00	18.16	1.10	0.00	0.00	0.02	0.00
18.18	1.01	0.00	0.00	0.02	0.00	18.20	1.16	0.00	0.00	0.02	0.00
18.22	0.92	0.00	0.00	0.02	0.00	18.24	0.96	0.00	0.00	0.02	0.00
18.26	1.05	0.00	0.00	0.02	0.00	18.28	1.22	0.00	0.00	0.02	0.00
18.30	1.57	0.00	0.00	0.02	0.00	18.32	1.93	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	1.83	0.00	0.00	0.02	0.00	18.52	1.85	0.00	0.00	0.02	0.00
18.54	1.81	0.00	0.00	0.02	0.00	18.56	1.77	0.00	0.00	0.02	0.00
18.58	1.76	0.00	0.00	0.02	0.00	18.60	1.78	0.00	0.00	0.02	0.00
18.62	1.86	0.00	0.00	0.02	0.00	18.64	1.86	0.00	0.00	0.02	0.00
18.66	1.83	0.00	0.00	0.02	0.00	18.68	1.74	0.00	0.00	0.02	0.00
18.70	1.61	0.00	0.00	0.02	0.00	18.72	1.53	0.00	0.00	0.02	0.00
18.74	1.54	0.00	0.00	0.02	0.00	18.76	1.57	0.00	0.00	0.02	0.00
18.78	1.57	0.00	0.00	0.02	0.00	18.80	1.51	0.00	0.00	0.02	0.00
18.82	1.44	0.00	0.00	0.02	0.00	18.84	1.39	0.00	0.00	0.02	0.00
18.86	1.45	0.00	0.00	0.02	0.00	18.88	1.56	0.00	0.00	0.02	0.00
18.90	1.72	0.00	0.00	0.02	0.00	18.92	1.82	0.00	0.00	0.02	0.00
18.94	1.83	0.00	0.00	0.02	0.00	18.96	1.81	0.00	0.00	0.02	0.00
18.98	1.71	0.00	0.00	0.02	0.00	19.00	1.66	0.00	0.00	0.02	0.00
19.02	1.67	0.00	0.00	0.02	0.00	19.04	1.72	0.00	0.00	0.02	0.00
19.06	1.71	0.00	0.00	0.02	0.00	19.08	1.71	0.00	0.00	0.02	0.00
19.10	1.65	0.00	0.00	0.02	0.00	19.12	1.62	0.00	0.00	0.02	0.00
19.14	1.59	0.00	0.00	0.02	0.00	19.16	1.47	0.00	0.00	0.02	0.00
19.18	1.65	0.00	0.00	0.02	0.00	19.20	1.67	0.00	0.00	0.02	0.00
19.22	1.68	0.00	0.00	0.02	0.00	19.24	1.69	0.00	0.00	0.02	0.00
19.26	1.68	0.00	0.00	0.02	0.00	19.28	1.66	0.00	0.00	0.02	0.00
19.30	1.66	0.00	0.00	0.02	0.00	19.32	1.66	0.00	0.00	0.02	0.00
19.34	1.66	0.00	0.00	0.02	0.00	19.36	1.70	0.00	0.00	0.02	0.00
19.38	1.72	0.00	0.00	0.02	0.00	19.40	1.73	0.00	0.00	0.02	0.00
19.42	1.77	0.00	0.00	0.02	0.00	19.44	1.79	0.00	0.00	0.02	0.00
19.46	1.81	0.00	0.00	0.02	0.00	19.48	1.77	0.00	0.00	0.02	0.00
19.50	1.72	0.00	0.00	0.02	0.00	19.52	1.70	0.00	0.00	0.02	0.00
19.54	1.69	0.00	0.00	0.02	0.00	19.56	1.64	0.00	0.00	0.02	0.00
19.58	1.55	0.00	0.00	0.02	0.00	19.60	1.40	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.36	0.00	0.00	0.02	0.00	19.64	1.38	0.00	0.00	0.02	0.00
19.66	1.38	0.00	0.00	0.02	0.00	19.68	1.36	0.00	0.00	0.02	0.00
19.70	1.37	0.00	0.00	0.02	0.00	19.72	1.36	0.00	0.00	0.02	0.00
19.74	1.34	0.00	0.00	0.02	0.00	19.76	1.29	0.00	0.00	0.02	0.00
19.78	1.24	0.00	0.00	0.02	0.00	19.80	1.23	0.00	0.00	0.02	0.00
19.82	1.19	0.00	0.00	0.02	0.00	19.84	1.14	0.00	0.00	0.02	0.00
19.86	1.11	0.00	0.00	0.02	0.00	19.88	1.11	0.00	0.00	0.02	0.00
19.90	1.14	0.00	0.00	0.02	0.00	19.92	1.25	0.00	0.00	0.02	0.00
19.94	1.39	0.00	0.00	0.02	0.00	19.96	1.48	0.00	0.00	0.02	0.00
19.98	1.40	0.00	0.00	0.02	0.00	20.00	1.25	0.00	0.00	0.02	0.00

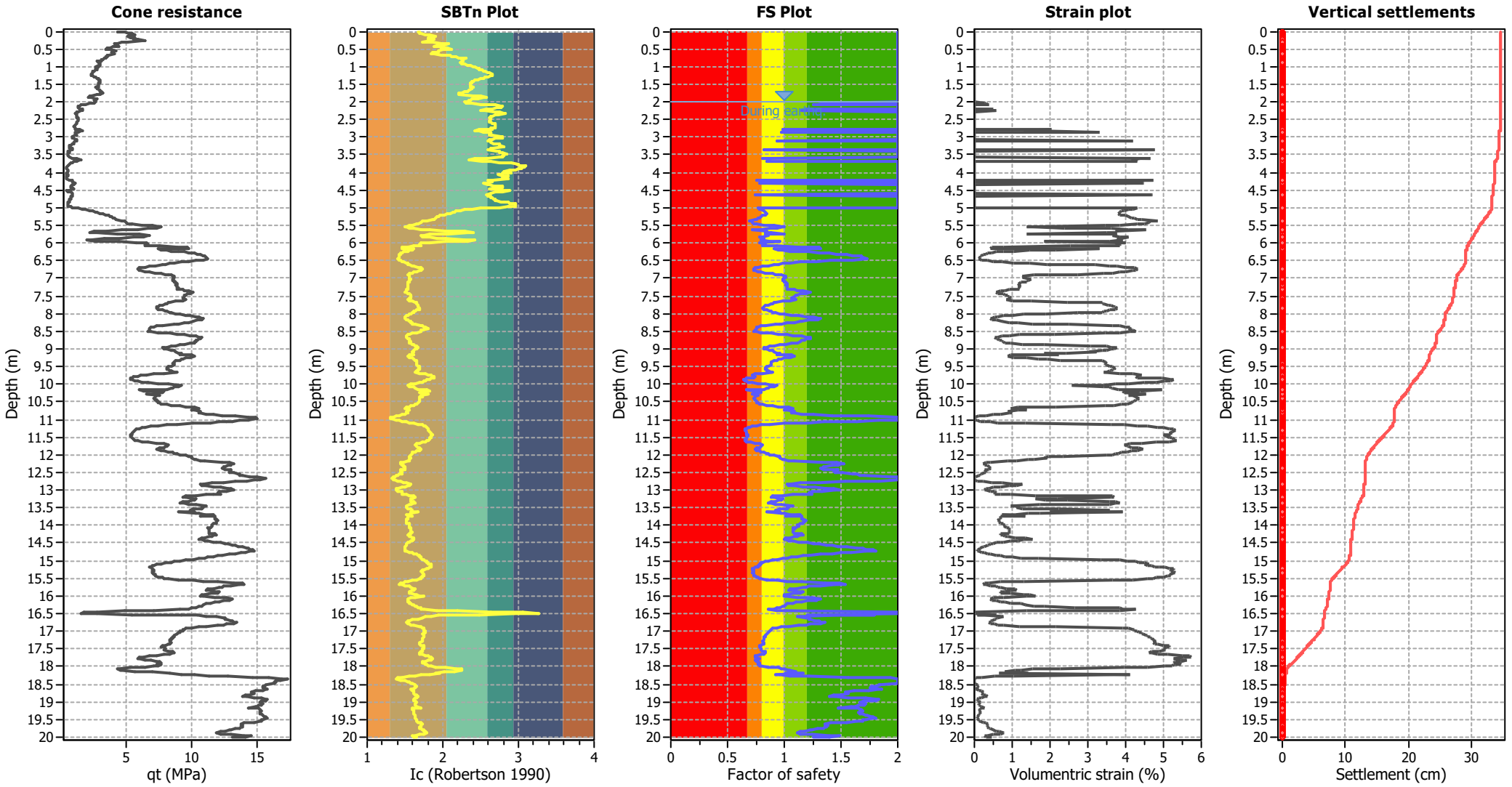
Overall liquefaction potential: 6.02

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.67	73.16	1.00	73.16	14	32700	0.10	0.000	0.00	3.58	0.00	0.000
0.04	1.70	81.56	1.00	81.56	15	37640	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.69	88.41	1.00	88.41	16	40086	0.10	0.000	0.00	3.58	0.00	0.000
0.08	1.70	91.93	1.00	91.93	17	42639	0.10	0.000	0.00	3.58	0.00	0.000
0.10	1.76	94.78	1.10	104.39	20	47263	0.10	0.000	0.00	3.58	0.00	0.000
0.12	1.83	87.06	1.18	102.73	20	47176	0.10	0.000	0.00	3.58	0.00	0.000
0.14	1.90	87.54	1.24	108.48	22	52302	0.09	0.000	0.00	3.58	0.00	0.000
0.16	1.90	85.86	1.24	106.13	21	50995	0.09	0.001	0.00	3.58	0.00	0.000
0.18	1.86	90.38	1.21	108.96	21	50864	0.10	0.001	0.00	3.58	0.00	0.000
0.20	1.81	95.08	1.17	111.02	22	50707	0.10	0.001	0.00	3.58	0.00	0.000
0.22	1.81	92.57	1.16	107.74	21	49139	0.10	0.001	0.00	3.58	0.00	0.000
0.24	1.88	99.44	1.23	121.94	24	57985	0.09	0.001	0.00	3.58	0.00	0.000
0.26	1.82	108.83	1.17	127.65	25	58423	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.83	105.31	1.19	124.88	24	57523	0.09	0.001	0.00	3.58	0.00	0.000
0.30	1.73	85.02	1.00	85.02	16	40802	0.10	0.001	0.00	3.58	0.00	0.000
0.32	1.86	78.82	1.21	95.51	19	44814	0.10	0.001	0.00	3.58	0.00	0.000
0.34	1.98	73.45	1.29	95.02	20	48534	0.09	0.001	0.00	3.58	0.00	0.000
0.36	2.07	69.08	1.38	95.55	20	51219	0.09	0.001	0.00	3.58	0.00	0.000
0.38	2.02	70.26	1.32	92.84	19	48438	0.09	0.001	0.00	3.58	0.00	0.000
0.40	1.95	72.60	1.27	91.98	19	45740	0.10	0.001	0.00	3.58	0.00	0.000
0.42	1.89	73.93	1.23	91.12	18	43611	0.10	0.002	0.00	3.58	0.00	0.000
0.44	1.96	66.55	1.28	85.21	17	42982	0.10	0.002	0.00	3.58	0.00	0.000
0.46	1.99	63.19	1.30	82.07	17	42102	0.10	0.002	0.00	3.58	0.00	0.000
0.48	2.05	60.51	1.35	81.89	17	43445	0.09	0.002	0.00	3.58	0.00	0.000
0.50	2.11	57.66	1.43	82.48	18	44623	0.09	0.002	0.00	3.58	0.00	0.000
0.52	1.99	63.54	1.30	82.66	17	42486	0.10	0.002	0.00	3.58	0.00	0.000
0.54	1.94	70.24	1.26	88.58	18	43774	0.10	0.002	0.00	3.58	0.00	0.000
0.56	1.94	67.55	1.26	85.13	17	42030	0.10	0.002	0.00	3.58	0.00	0.000
0.58	1.94	66.04	1.26	83.51	17	41429	0.10	0.002	0.00	3.58	0.00	0.000
0.60	1.86	66.87	1.00	66.87	13	37621	0.10	0.003	0.00	3.58	0.00	0.000
0.62	1.84	67.04	1.00	67.04	13	37156	0.10	0.003	0.00	3.58	0.00	0.000
0.64	1.88	68.71	1.22	83.93	17	39728	0.10	0.003	0.00	3.58	0.00	0.000
0.66	1.97	62.17	1.29	79.92	16	40516	0.10	0.003	0.00	3.58	0.00	0.000
0.68	2.09	60.49	1.40	84.71	18	45600	0.09	0.003	0.00	3.58	0.00	0.000
0.70	2.11	59.64	1.44	85.80	19	46464	0.09	0.003	0.00	3.58	0.00	0.000
0.72	2.16	57.79	1.52	87.62	19	47562	0.09	0.003	0.00	3.58	0.00	0.000
0.74	2.17	58.79	1.55	91.41	20	49526	0.09	0.003	0.00	3.58	0.00	0.000
0.76	2.22	57.78	1.66	96.08	22	51469	0.09	0.003	0.00	3.58	0.00	0.000
0.78	2.30	55.09	1.92	105.96	25	54366	0.09	0.002	0.00	3.58	0.00	0.000
0.80	2.25	53.26	1.76	94.00	22	49590	0.09	0.003	0.00	3.58	0.00	0.000
0.82	2.25	52.75	1.75	92.38	21	48844	0.09	0.003	0.00	3.58	0.00	0.000
0.84	2.26	52.75	1.79	94.60	22	49670	0.09	0.003	0.00	3.58	0.00	0.000
0.86	2.27	47.08	1.82	85.74	20	44803	0.09	0.003	0.00	3.58	0.00	0.000
0.88	2.22	49.26	1.67	82.46	19	44105	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.23	50.94	1.69	86.19	20	45985	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.26	49.76	1.77	88.06	20	46419	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.28	49.75	1.87	92.80	22	48119	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.32	49.41	2.02	99.83	24	50308	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.36	48.40	2.18	105.58	26	51629	0.09	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.40	45.54	2.40	109.21	27	51330	0.09	0.003	0.00	3.58	0.00	0.000
1.02	2.42	47.89	2.51	120.01	30	55339	0.09	0.003	0.00	3.58	0.00	0.000
1.04	2.46	46.88	2.71	127.09	32	56606	0.09	0.003	0.00	3.58	0.00	0.000
1.06	2.49	45.53	2.89	131.53	34	56938	0.09	0.003	0.00	3.58	0.00	0.000
1.08	2.49	46.03	2.90	133.34	34	57652	0.09	0.003	0.00	3.58	0.00	0.000
1.10	2.51	44.51	3.06	136.19	35	57450	0.09	0.003	0.00	3.58	0.00	0.000
1.12	2.53	43.50	3.19	138.75	36	57435	0.09	0.003	0.00	3.58	0.00	0.000
1.14	2.56	41.48	3.46	143.42	38	57246	0.09	0.003	0.00	3.58	0.00	0.000
1.16	2.60	40.97	3.71	152.01	41	58774	0.09	0.003	0.00	3.58	0.00	0.000
1.18	2.62	40.30	3.91	157.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.65	39.28	4.17	163.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.66	38.44	4.31	165.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.65	38.94	4.22	164.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.63	40.27	4.05	162.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.60	42.44	3.75	158.98	43	61205	0.09	0.004	0.00	3.58	0.00	0.000
1.30	2.57	44.45	3.47	154.18	41	61449	0.09	0.004	0.00	3.58	0.00	0.000
1.32	2.54	46.28	3.24	149.83	39	61612	0.09	0.004	0.00	3.58	0.00	0.000
1.34	2.50	47.45	2.95	139.78	36	59984	0.09	0.004	0.00	3.58	0.00	0.000
1.36	2.46	48.95	2.74	134.19	34	59475	0.09	0.004	0.00	3.58	0.00	0.000
1.38	2.44	49.45	2.60	128.47	32	58315	0.09	0.004	0.00	3.58	0.00	0.000
1.40	2.43	49.79	2.52	125.39	31	57699	0.09	0.004	0.00	3.58	0.00	0.000
1.42	2.41	50.62	2.40	121.57	30	57099	0.09	0.004	0.00	3.58	0.00	0.000
1.44	2.39	50.45	2.33	117.72	29	55977	0.09	0.005	0.00	3.58	0.00	0.000
1.46	2.38	49.77	2.26	112.35	27	54172	0.09	0.005	0.00	3.58	0.00	0.000
1.48	2.37	48.93	2.23	109.19	27	52897	0.09	0.005	0.00	3.58	0.00	0.000
1.50	2.37	48.42	2.21	107.00	26	52045	0.09	0.005	0.00	3.58	0.00	0.000
1.52	2.36	48.24	2.19	105.72	26	51600	0.09	0.005	0.00	3.58	0.00	0.000
1.54	2.36	48.41	2.18	105.38	25	51572	0.09	0.005	0.00	3.58	0.00	0.000
1.56	2.36	48.41	2.16	104.45	25	51303	0.09	0.005	0.00	3.58	0.00	0.000
1.58	2.40	44.04	2.39	105.29	26	49552	0.09	0.006	0.00	3.58	0.00	0.000
1.60	2.36	48.23	2.17	104.83	25	51337	0.09	0.006	0.00	3.58	0.00	0.000
1.62	2.39	46.71	2.30	107.35	26	51376	0.09	0.006	0.00	3.58	0.00	0.000
1.64	2.39	47.21	2.32	109.60	27	52228	0.09	0.006	0.00	3.58	0.00	0.000
1.66	2.35	50.21	2.13	106.79	26	52756	0.09	0.006	0.00	3.58	0.00	0.000
1.68	2.35	50.37	2.13	107.36	26	52992	0.09	0.006	0.00	3.58	0.00	0.000
1.70	2.33	50.20	2.03	101.97	24	51285	0.09	0.006	0.00	3.58	0.00	0.000
1.72	2.29	51.37	1.89	97.22	23	50165	0.09	0.006	0.01	3.58	0.00	0.000
1.74	2.25	53.04	1.74	92.20	21	48850	0.09	0.006	0.01	3.58	0.00	0.000
1.76	2.21	53.71	1.63	87.48	20	47064	0.09	0.007	0.01	3.58	0.00	0.000
1.78	2.21	50.18	1.64	82.47	19	44289	0.09	0.007	0.01	3.58	0.00	0.000
1.80	2.21	46.82	1.65	77.19	18	41426	0.09	0.008	0.01	3.58	0.00	0.000
1.82	2.41	39.44	2.42	95.39	24	44668	0.09	0.007	0.01	3.58	0.00	0.000
1.84	2.50	36.75	3.00	110.30	28	46934	0.09	0.007	0.00	3.58	0.00	0.000
1.86	2.57	35.55	3.50	124.59	33	49429	0.09	0.007	0.00	3.58	0.00	0.000
1.88	2.54	38.38	3.28	125.98	33	51481	0.09	0.007	0.00	3.58	0.00	0.000
1.90	2.45	44.42	2.68	118.98	30	53279	0.09	0.006	0.00	3.58	0.00	0.000
1.92	2.39	46.75	2.33	108.93	27	51830	0.09	0.007	0.00	3.58	0.00	0.000
1.94	2.37	44.91	2.22	99.55	24	48362	0.09	0.007	0.01	3.58	0.00	0.000
1.96	2.35	43.22	2.14	92.59	22	45610	0.09	0.008	0.01	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.32	43.72	2.01	87.76	21	44334	0.09	0.008	0.01	3.58	0.00	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	99.81	2.00	0.00	1.00	0.00	2.02	98.43	1.43	0.25	1.00	0.01
2.04	93.79	1.35	0.31	1.00	0.01	2.06	90.52	1.29	0.35	1.00	0.01
2.08	88.16	1.25	0.39	1.00	0.01	2.10	25.50	2.00	0.00	1.00	0.00
2.12	23.49	2.00	0.00	1.00	0.00	2.14	22.31	2.00	0.00	1.00	0.00
2.16	22.31	2.00	0.00	1.00	0.00	2.18	22.65	2.00	0.00	1.00	0.00
2.20	24.66	2.00	0.00	1.00	0.00	2.22	86.36	1.19	0.49	1.00	0.01
2.24	85.97	1.18	0.51	1.00	0.01	2.26	84.10	1.15	0.57	1.00	0.01
2.28	23.32	2.00	0.00	1.00	0.00	2.30	21.14	2.00	0.00	1.00	0.00
2.32	20.13	2.00	0.00	1.00	0.00	2.34	18.96	2.00	0.00	1.00	0.00
2.36	20.13	2.00	0.00	1.00	0.00	2.38	20.93	2.00	0.00	1.00	0.00
2.40	20.90	2.00	0.00	1.00	0.00	2.42	21.20	2.00	0.00	1.00	0.00
2.44	21.17	2.00	0.00	1.00	0.00	2.46	21.43	2.00	0.00	1.00	0.00
2.48	21.54	2.00	0.00	1.00	0.00	2.50	21.82	2.00	0.00	1.00	0.00
2.52	22.09	2.00	0.00	1.00	0.00	2.54	21.43	2.00	0.00	1.00	0.00
2.56	20.47	2.00	0.00	1.00	0.00	2.58	20.12	2.00	0.00	1.00	0.00
2.60	19.76	2.00	0.00	1.00	0.00	2.62	19.40	2.00	0.00	1.00	0.00
2.64	18.59	2.00	0.00	1.00	0.00	2.66	17.78	2.00	0.00	1.00	0.00
2.68	16.97	2.00	0.00	1.00	0.00	2.70	17.41	2.00	0.00	1.00	0.00
2.72	17.54	2.00	0.00	1.00	0.00	2.74	18.15	2.00	0.00	1.00	0.00
2.76	17.80	2.00	0.00	1.00	0.00	2.78	18.86	2.00	0.00	1.00	0.00
2.80	78.71	0.99	2.03	1.00	0.04	2.82	82.38	1.02	1.31	1.00	0.03
2.84	80.40	1.00	1.71	1.00	0.03	2.86	77.24	0.97	3.31	1.00	0.07
2.88	18.40	2.00	0.00	1.00	0.00	2.90	17.91	2.00	0.00	1.00	0.00
2.92	18.80	2.00	0.00	1.00	0.00	2.94	19.37	2.00	0.00	1.00	0.00
2.96	17.66	2.00	0.00	1.00	0.00	2.98	15.14	2.00	0.00	1.00	0.00
3.00	14.34	2.00	0.00	1.00	0.00	3.02	14.01	2.00	0.00	1.00	0.00
3.04	15.70	2.00	0.00	1.00	0.00	3.06	17.06	2.00	0.00	1.00	0.00
3.08	19.61	2.00	0.00	1.00	0.00	3.10	76.65	0.93	4.18	1.00	0.08
3.12	17.74	2.00	0.00	1.00	0.00	3.14	15.91	2.00	0.00	1.00	0.00
3.16	15.57	2.00	0.00	1.00	0.00	3.18	15.53	2.00	0.00	1.00	0.00
3.20	14.12	2.00	0.00	1.00	0.00	3.22	12.42	2.00	0.00	1.00	0.00
3.24	11.64	2.00	0.00	1.00	0.00	3.26	10.69	2.00	0.00	1.00	0.00
3.28	10.37	2.00	0.00	1.00	0.00	3.30	11.62	2.00	0.00	1.00	0.00
3.32	13.45	2.00	0.00	1.00	0.00	3.34	14.04	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	66.74	0.82	4.75	1.00	0.10	3.38	10.32	2.00	0.00	1.00	0.00
3.40	9.84	2.00	0.00	1.00	0.00	3.42	10.13	2.00	0.00	1.00	0.00
3.44	9.80	2.00	0.00	1.00	0.00	3.46	9.63	2.00	0.00	1.00	0.00
3.48	9.46	2.00	0.00	1.00	0.00	3.50	9.45	2.00	0.00	1.00	0.00
3.52	9.60	2.00	0.00	1.00	0.00	3.54	9.74	2.00	0.00	1.00	0.00
3.56	10.03	2.00	0.00	1.00	0.00	3.58	10.48	2.00	0.00	1.00	0.00
3.60	68.08	0.81	4.67	1.00	0.09	3.62	72.54	0.84	4.40	1.00	0.09
3.64	76.95	0.88	4.16	1.00	0.08	3.66	75.68	0.86	4.23	1.00	0.08
3.68	74.21	0.85	4.31	1.00	0.09	3.70	15.62	2.00	0.00	1.00	0.00
3.72	13.21	2.00	0.00	1.00	0.00	3.74	11.82	2.00	0.00	1.00	0.00
3.76	10.90	2.00	0.00	1.00	0.00	3.78	10.14	2.00	0.00	1.00	0.00
3.80	9.23	2.00	0.00	1.00	0.00	3.82	8.32	2.00	0.00	1.00	0.00
3.84	7.85	2.00	0.00	1.00	0.00	3.86	7.84	2.00	0.00	1.00	0.00
3.88	7.83	2.00	0.00	1.00	0.00	3.90	7.82	2.00	0.00	1.00	0.00
3.92	7.96	2.00	0.00	1.00	0.00	3.94	8.56	2.00	0.00	1.00	0.00
3.96	9.30	2.00	0.00	1.00	0.00	3.98	8.24	2.00	0.00	1.00	0.00
4.00	7.48	2.00	0.00	1.00	0.00	4.02	7.49	2.00	0.00	1.00	0.00
4.04	7.63	2.00	0.00	1.00	0.00	4.06	8.38	2.00	0.00	1.00	0.00
4.08	8.51	2.00	0.00	1.00	0.00	4.10	7.60	2.00	0.00	1.00	0.00
4.12	7.00	2.00	0.00	1.00	0.00	4.14	7.00	2.00	0.00	1.00	0.00
4.16	7.29	2.00	0.00	1.00	0.00	4.18	7.42	2.00	0.00	1.00	0.00
4.20	7.71	2.00	0.00	1.00	0.00	4.22	10.24	2.00	0.00	1.00	0.00
4.24	67.37	0.76	4.71	1.00	0.09	4.26	12.83	2.00	0.00	1.00	0.00
4.28	13.67	2.00	0.00	1.00	0.00	4.30	71.24	0.78	4.47	1.00	0.09
4.32	71.63	0.78	4.45	1.00	0.09	4.34	15.06	2.00	0.00	1.00	0.00
4.36	13.32	2.00	0.00	1.00	0.00	4.38	12.14	2.00	0.00	1.00	0.00
4.40	11.39	2.00	0.00	1.00	0.00	4.42	11.80	2.00	0.00	1.00	0.00
4.44	13.66	2.00	0.00	1.00	0.00	4.46	15.08	2.00	0.00	1.00	0.00
4.48	12.63	2.00	0.00	1.00	0.00	4.50	9.45	2.00	0.00	1.00	0.00
4.52	7.26	2.00	0.00	1.00	0.00	4.54	9.00	2.00	0.00	1.00	0.00
4.56	11.58	2.00	0.00	1.00	0.00	4.58	13.42	2.00	0.00	1.00	0.00
4.60	13.26	2.00	0.00	1.00	0.00	4.62	67.87	0.74	4.68	1.00	0.09
4.64	67.59	0.74	4.70	1.00	0.09	4.66	12.81	2.00	0.00	1.00	0.00
4.68	12.08	2.00	0.00	1.00	0.00	4.70	11.93	2.00	0.00	1.00	0.00
4.72	11.34	2.00	0.00	1.00	0.00	4.74	10.90	2.00	0.00	1.00	0.00
4.76	10.32	2.00	0.00	1.00	0.00	4.78	10.17	2.00	0.00	1.00	0.00
4.80	10.01	2.00	0.00	1.00	0.00	4.82	9.28	2.00	0.00	1.00	0.00
4.84	8.98	2.00	0.00	1.00	0.00	4.86	8.68	2.00	0.00	1.00	0.00
4.88	8.53	2.00	0.00	1.00	0.00	4.90	7.95	2.00	0.00	1.00	0.00
4.92	8.22	2.00	0.00	1.00	0.00	4.94	8.49	2.00	0.00	1.00	0.00
4.96	8.90	2.00	0.00	1.00	0.00	4.98	10.72	2.00	0.00	1.00	0.00
5.00	12.80	2.00	0.00	1.00	0.00	5.02	74.00	0.77	4.32	1.00	0.09
5.04	76.58	0.78	4.18	1.00	0.08	5.06	78.63	0.80	4.08	1.00	0.08
5.08	80.80	0.81	3.97	1.00	0.08	5.10	82.32	0.83	3.90	1.00	0.08
5.12	83.27	0.83	3.86	1.00	0.08	5.14	83.91	0.84	3.83	1.00	0.08
5.16	84.48	0.84	3.80	1.00	0.08	5.18	84.31	0.84	3.81	1.00	0.08
5.20	83.36	0.83	3.85	1.00	0.08	5.22	80.59	0.81	3.98	1.00	0.08
5.24	78.94	0.79	4.06	1.00	0.08	5.26	78.50	0.79	4.08	1.00	0.08
5.28	76.95	0.78	4.16	1.00	0.08	5.30	75.88	0.77	4.22	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	74.54	0.76	4.29	1.00	0.09	5.34	71.86	0.74	4.44	1.00	0.09
5.36	65.40	0.70	4.84	1.00	0.10	5.38	68.10	0.71	4.67	1.00	0.09
5.40	69.22	0.72	4.60	1.00	0.09	5.42	69.14	0.72	4.60	1.00	0.09
5.44	70.54	0.73	4.52	1.00	0.09	5.46	74.51	0.75	4.29	1.00	0.09
5.48	83.15	0.82	3.86	1.00	0.08	5.50	92.59	0.91	3.47	1.00	0.07
5.52	99.42	0.98	1.57	1.00	0.03	5.54	101.04	1.00	1.37	1.00	0.03
5.56	99.68	0.98	1.55	1.00	0.03	5.58	95.90	0.94	2.37	1.00	0.05
5.60	89.03	0.87	3.61	1.00	0.07	5.62	78.43	0.78	4.09	1.00	0.08
5.64	70.33	0.72	4.53	1.00	0.09	5.66	86.13	0.84	3.73	1.00	0.07
5.68	86.38	0.84	3.72	1.00	0.07	5.70	85.59	0.83	3.75	1.00	0.08
5.72	91.39	0.89	3.52	1.00	0.07	5.74	101.36	1.00	1.38	1.00	0.03
5.76	84.95	0.83	3.78	1.00	0.08	5.78	88.32	0.86	3.64	1.00	0.07
5.80	87.97	0.85	3.65	1.00	0.07	5.82	83.15	0.81	3.86	1.00	0.08
5.84	78.68	0.78	4.07	1.00	0.08	5.86	82.38	0.80	3.90	1.00	0.08
5.88	84.81	0.82	3.79	1.00	0.08	5.90	83.80	0.82	3.83	1.00	0.08
5.92	81.53	0.80	3.94	1.00	0.08	5.94	89.69	0.87	3.59	1.00	0.07
5.96	98.70	0.96	1.83	1.00	0.04	5.98	79.97	0.78	4.01	1.00	0.08
6.00	84.96	0.82	3.78	1.00	0.08	6.02	85.80	0.83	3.75	1.00	0.07
6.04	83.13	0.81	3.86	1.00	0.08	6.06	83.62	0.81	3.84	1.00	0.08
6.08	96.31	0.93	2.52	1.00	0.05	6.10	111.16	1.13	0.76	1.00	0.02
6.12	120.33	1.31	0.45	1.00	0.01	6.14	120.66	1.32	0.44	1.00	0.01
6.16	94.82	0.91	3.30	1.00	0.07	6.18	97.60	0.94	2.16	1.00	0.04
6.20	101.54	0.99	1.45	1.00	0.03	6.22	105.88	1.05	1.06	1.00	0.02
6.24	111.28	1.13	0.76	1.00	0.02	6.26	116.31	1.22	0.57	1.00	0.01
6.28	120.41	1.31	0.45	1.00	0.01	6.30	124.27	1.40	0.35	1.00	0.01
6.32	126.57	1.46	0.30	1.00	0.01	6.34	129.41	1.55	0.23	1.00	0.00
6.36	131.15	1.60	0.20	1.00	0.00	6.38	133.43	1.68	0.15	1.00	0.00
6.40	133.52	1.68	0.15	1.00	0.00	6.42	133.94	1.70	0.14	1.00	0.00
6.44	135.01	1.74	0.12	1.00	0.00	6.46	134.46	1.71	0.13	1.00	0.00
6.48	131.41	1.61	0.19	1.00	0.00	6.50	124.96	1.42	0.34	1.00	0.01
6.52	119.14	1.28	0.49	1.00	0.01	6.54	112.41	1.15	0.73	1.00	0.01
6.56	106.30	1.05	1.05	1.00	0.02	6.58	101.82	0.99	1.47	1.00	0.03
6.60	99.06	0.95	1.92	1.00	0.04	6.62	95.51	0.91	3.19	1.00	0.06
6.64	89.62	0.85	3.59	1.00	0.07	6.66	85.09	0.81	3.78	1.00	0.08
6.68	79.97	0.77	4.01	1.00	0.08	6.70	75.63	0.74	4.23	1.00	0.08
6.72	73.93	0.73	4.32	1.00	0.09	6.74	74.20	0.73	4.31	1.00	0.09
6.76	74.81	0.73	4.27	1.00	0.09	6.78	76.34	0.74	4.19	1.00	0.08
6.80	79.93	0.77	4.01	1.00	0.08	6.82	83.27	0.80	3.86	1.00	0.08
6.84	88.17	0.84	3.65	1.00	0.07	6.86	93.71	0.89	3.43	1.00	0.07
6.88	96.66	0.92	2.73	1.00	0.05	6.90	99.10	0.95	1.98	1.00	0.04
6.92	101.43	0.98	1.57	1.00	0.03	6.94	104.12	1.01	1.26	1.00	0.03
6.96	103.46	1.00	1.33	1.00	0.03	6.98	103.92	1.01	1.29	1.00	0.03
7.00	103.59	1.01	1.32	1.00	0.03	7.02	102.36	0.99	1.46	1.00	0.03
7.04	102.15	0.99	1.48	1.00	0.03	7.06	102.60	0.99	1.43	1.00	0.03
7.08	103.16	1.00	1.37	1.00	0.03	7.10	103.06	1.00	1.38	1.00	0.03
7.12	104.64	1.02	1.23	1.00	0.02	7.14	105.09	1.02	1.19	1.00	0.02
7.16	105.43	1.03	1.16	1.00	0.02	7.18	105.01	1.02	1.20	1.00	0.02
7.20	104.58	1.02	1.24	1.00	0.02	7.22	105.35	1.03	1.17	1.00	0.02
7.24	105.04	1.02	1.20	1.00	0.02	7.26	105.27	1.03	1.18	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	105.71	1.03	1.14	1.00	0.02	7.30	104.96	1.02	1.21	1.00	0.02
7.32	109.33	1.09	0.91	1.00	0.02	7.34	111.07	1.11	0.82	1.00	0.02
7.36	114.21	1.17	0.68	1.00	0.01	7.38	117.34	1.23	0.57	1.00	0.01
7.40	117.56	1.23	0.56	1.00	0.01	7.42	115.51	1.19	0.63	1.00	0.01
7.44	112.49	1.14	0.75	1.00	0.02	7.46	111.20	1.11	0.81	1.00	0.02
7.48	110.12	1.10	0.87	1.00	0.02	7.50	109.58	1.09	0.89	1.00	0.02
7.52	109.26	1.08	0.91	1.00	0.02	7.54	108.29	1.07	0.97	1.00	0.02
7.56	108.51	1.07	0.96	1.00	0.02	7.58	109.59	1.09	0.89	1.00	0.02
7.60	110.46	1.10	0.85	1.00	0.02	7.62	110.25	1.10	0.86	1.00	0.02
7.64	107.56	1.06	1.02	1.00	0.02	7.66	102.37	0.99	1.48	1.00	0.03
7.68	97.63	0.93	2.47	1.00	0.05	7.70	95.37	0.90	3.37	1.00	0.07
7.72	94.93	0.90	3.39	1.00	0.07	7.74	93.64	0.89	3.43	1.00	0.07
7.76	90.72	0.86	3.54	1.00	0.07	7.78	88.56	0.84	3.63	1.00	0.07
7.80	87.16	0.83	3.69	1.00	0.07	7.82	85.98	0.81	3.74	1.00	0.07
7.84	85.02	0.81	3.78	1.00	0.08	7.86	84.93	0.81	3.78	1.00	0.08
7.88	86.48	0.82	3.72	1.00	0.07	7.90	90.10	0.85	3.57	1.00	0.07
7.92	92.29	0.87	3.48	1.00	0.07	7.94	93.72	0.89	3.43	1.00	0.07
7.96	95.16	0.90	3.38	1.00	0.07	7.98	97.00	0.92	2.72	1.00	0.05
8.00	99.91	0.96	1.87	1.00	0.04	8.02	103.79	1.00	1.32	1.00	0.03
8.04	107.96	1.06	0.99	1.00	0.02	8.06	111.80	1.12	0.78	1.00	0.02
8.08	115.84	1.20	0.62	1.00	0.01	8.10	118.91	1.26	0.52	1.00	0.01
8.12	121.23	1.31	0.45	1.00	0.01	8.14	121.97	1.33	0.43	1.00	0.01
8.16	120.49	1.29	0.47	1.00	0.01	8.18	116.70	1.21	0.59	1.00	0.01
8.20	113.21	1.15	0.72	1.00	0.01	8.22	113.11	1.15	0.73	1.00	0.01
8.24	109.31	1.08	0.91	1.00	0.02	8.26	105.71	1.03	1.15	1.00	0.02
8.28	101.88	0.98	1.54	1.00	0.03	8.30	99.88	0.96	1.87	1.00	0.04
8.32	97.46	0.93	2.51	1.00	0.05	8.34	87.52	0.83	3.67	1.00	0.07
8.36	83.35	0.79	3.85	1.00	0.08	8.38	80.36	0.77	3.99	1.00	0.08
8.40	78.21	0.75	4.10	1.00	0.08	8.42	78.19	0.75	4.10	1.00	0.08
8.44	78.69	0.76	4.07	1.00	0.08	8.46	77.35	0.75	4.14	1.00	0.08
8.48	76.20	0.74	4.20	1.00	0.08	8.50	75.15	0.73	4.26	1.00	0.09
8.52	77.67	0.75	4.12	1.00	0.08	8.54	83.92	0.80	3.83	1.00	0.08
8.56	92.79	0.88	3.47	1.00	0.07	8.58	98.75	0.94	2.10	1.00	0.04
8.60	104.99	1.02	1.20	1.00	0.02	8.62	108.68	1.08	0.94	1.00	0.02
8.64	113.20	1.15	0.72	1.00	0.01	8.66	115.51	1.19	0.63	1.00	0.01
8.68	117.70	1.24	0.55	1.00	0.01	8.70	117.29	1.23	0.57	1.00	0.01
8.72	115.73	1.20	0.62	1.00	0.01	8.74	114.58	1.18	0.66	1.00	0.01
8.76	113.23	1.15	0.71	1.00	0.01	8.78	112.51	1.14	0.74	1.00	0.01
8.80	112.20	1.14	0.76	1.00	0.02	8.82	111.06	1.12	0.81	1.00	0.02
8.84	107.94	1.07	0.97	1.00	0.02	8.86	103.88	1.01	1.28	1.00	0.03
8.88	99.70	0.96	1.86	1.00	0.04	8.90	95.95	0.91	3.08	1.00	0.06
8.92	92.08	0.87	3.49	1.00	0.07	8.94	88.52	0.84	3.63	1.00	0.07
8.96	86.44	0.82	3.72	1.00	0.07	8.98	85.63	0.82	3.75	1.00	0.08
9.00	86.81	0.83	3.70	1.00	0.07	9.02	88.73	0.84	3.62	1.00	0.07
9.04	91.59	0.87	3.51	1.00	0.07	9.06	94.65	0.90	3.40	1.00	0.07
9.08	95.93	0.92	3.05	1.00	0.06	9.10	95.64	0.91	3.21	1.00	0.06
9.12	97.32	0.93	2.44	1.00	0.05	9.14	99.63	0.96	1.84	1.00	0.04
9.16	97.99	0.94	2.23	1.00	0.04	9.18	107.66	1.07	0.98	1.00	0.02
9.20	109.43	1.09	0.88	1.00	0.02	9.22	109.23	1.09	0.89	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	106.66	1.05	1.04	1.00	0.02	9.26	102.84	1.00	1.37	1.00	0.03
9.28	100.37	0.97	1.69	1.00	0.03	9.30	99.15	0.95	1.92	1.00	0.04
9.32	97.71	0.94	2.27	1.00	0.05	9.34	94.83	0.91	3.39	1.00	0.07
9.36	93.29	0.89	3.45	1.00	0.07	9.38	92.79	0.89	3.47	1.00	0.07
9.40	92.09	0.88	3.49	1.00	0.07	9.42	93.04	0.89	3.46	1.00	0.07
9.44	93.06	0.89	3.46	1.00	0.07	9.46	92.26	0.88	3.49	1.00	0.07
9.48	90.21	0.86	3.56	1.00	0.07	9.50	88.05	0.84	3.65	1.00	0.07
9.52	86.94	0.83	3.70	1.00	0.07	9.54	86.55	0.83	3.71	1.00	0.07
9.56	86.78	0.83	3.70	1.00	0.07	9.58	87.74	0.84	3.66	1.00	0.07
9.60	88.70	0.85	3.62	1.00	0.07	9.62	89.86	0.86	3.58	1.00	0.07
9.64	92.15	0.88	3.49	1.00	0.07	9.66	93.93	0.90	3.42	1.00	0.07
9.68	93.85	0.90	3.43	1.00	0.07	9.70	83.25	0.80	3.86	1.00	0.08
9.72	76.19	0.75	4.20	1.00	0.08	9.74	72.07	0.72	4.43	1.00	0.09
9.76	73.59	0.73	4.34	1.00	0.09	9.78	73.30	0.73	4.36	1.00	0.09
9.80	75.05	0.74	4.26	1.00	0.09	9.82	74.00	0.73	4.32	1.00	0.09
9.84	63.75	0.67	4.96	1.00	0.10	9.86	60.60	0.65	5.19	1.00	0.10
9.88	59.67	0.65	5.26	1.00	0.11	9.90	60.73	0.65	5.18	1.00	0.10
9.92	62.48	0.66	5.05	1.00	0.10	9.94	65.74	0.68	4.82	1.00	0.10
9.96	70.85	0.71	4.50	1.00	0.09	9.98	78.30	0.77	4.09	1.00	0.08
10.00	86.44	0.83	3.72	1.00	0.07	10.02	93.43	0.90	3.44	1.00	0.07
10.04	96.31	0.93	2.58	1.00	0.05	10.06	94.10	0.91	3.42	1.00	0.07
10.08	90.35	0.87	3.56	1.00	0.07	10.10	88.95	0.86	3.61	1.00	0.07
10.12	87.96	0.85	3.66	1.00	0.07	10.14	84.62	0.82	3.80	1.00	0.08
10.16	63.93	0.67	4.94	1.00	0.10	10.18	72.64	0.73	4.39	1.00	0.09
10.20	81.86	0.80	3.92	1.00	0.08	10.22	80.97	0.79	3.96	1.00	0.08
10.24	81.10	0.79	3.96	1.00	0.08	10.26	72.83	0.73	4.38	1.00	0.09
10.28	70.22	0.71	4.54	1.00	0.09	10.30	78.76	0.77	4.07	1.00	0.08
10.32	76.25	0.75	4.20	1.00	0.08	10.34	74.86	0.74	4.27	1.00	0.09
10.36	74.89	0.75	4.27	1.00	0.09	10.38	74.63	0.74	4.28	1.00	0.09
10.40	73.65	0.74	4.34	1.00	0.09	10.42	73.59	0.74	4.34	1.00	0.09
10.44	74.04	0.74	4.32	1.00	0.09	10.46	75.20	0.75	4.25	1.00	0.09
10.48	75.54	0.75	4.23	1.00	0.08	10.50	76.09	0.76	4.21	1.00	0.08
10.52	76.94	0.76	4.16	1.00	0.08	10.54	77.38	0.76	4.14	1.00	0.08
10.56	79.24	0.78	4.05	1.00	0.08	10.58	82.71	0.81	3.88	1.00	0.08
10.60	86.78	0.84	3.70	1.00	0.07	10.62	92.45	0.90	3.48	1.00	0.07
10.64	97.11	0.95	2.15	1.00	0.04	10.66	104.07	1.03	1.14	1.00	0.02
10.68	106.90	1.07	0.95	1.00	0.02	10.70	103.41	1.03	1.20	1.00	0.02
10.72	101.33	1.00	1.40	1.00	0.03	10.74	103.76	1.03	1.16	1.00	0.02
10.76	107.99	1.09	0.88	1.00	0.02	10.78	107.51	1.09	0.91	1.00	0.02
10.80	106.23	1.07	0.98	1.00	0.02	10.82	107.35	1.08	0.92	1.00	0.02
10.84	111.67	1.15	0.71	1.00	0.01	10.86	117.28	1.26	0.52	1.00	0.01
10.88	124.48	1.43	0.33	1.00	0.01	10.90	134.35	1.74	0.12	1.00	0.00
10.92	143.82	2.00	0.00	1.00	0.00	10.94	149.19	2.00	0.00	1.00	0.00
10.96	150.10	2.00	0.00	1.00	0.00	10.98	148.02	2.00	0.00	1.00	0.00
11.00	143.16	2.00	0.00	1.00	0.00	11.02	136.61	1.83	0.07	1.00	0.00
11.04	131.35	1.64	0.17	1.00	0.00	11.06	126.19	1.48	0.28	1.00	0.01
11.08	120.73	1.34	0.41	1.00	0.01	11.10	114.08	1.20	0.61	1.00	0.01
11.12	101.37	1.01	1.34	1.00	0.03	11.14	88.96	0.87	3.61	1.00	0.07
11.16	80.73	0.80	3.97	1.00	0.08	11.18	74.41	0.75	4.30	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	69.46	0.72	4.58	1.00	0.09	11.22	65.41	0.69	4.84	1.00	0.10
11.24	62.89	0.68	5.02	1.00	0.10	11.26	60.99	0.67	5.16	1.00	0.10
11.28	59.72	0.66	5.26	1.00	0.11	11.30	58.98	0.66	5.31	1.00	0.11
11.32	59.13	0.66	5.30	1.00	0.11	11.34	59.99	0.66	5.24	1.00	0.10
11.36	60.14	0.66	5.22	1.00	0.10	11.38	60.83	0.67	5.17	1.00	0.10
11.40	60.74	0.67	5.18	1.00	0.10	11.42	60.49	0.67	5.20	1.00	0.10
11.44	62.90	0.68	5.02	1.00	0.10	11.46	62.13	0.68	5.07	1.00	0.10
11.48	62.09	0.68	5.08	1.00	0.10	11.50	61.24	0.67	5.14	1.00	0.10
11.52	59.99	0.66	5.24	1.00	0.10	11.54	59.49	0.66	5.27	1.00	0.11
11.56	59.28	0.66	5.29	1.00	0.11	11.58	58.92	0.66	5.32	1.00	0.11
11.60	58.80	0.66	5.33	1.00	0.11	11.62	61.12	0.67	5.15	1.00	0.10
11.64	65.64	0.70	4.83	1.00	0.10	11.66	71.99	0.74	4.43	1.00	0.09
11.68	77.54	0.78	4.13	1.00	0.08	11.70	80.33	0.80	3.99	1.00	0.08
11.72	80.86	0.81	3.97	1.00	0.08	11.74	80.50	0.80	3.98	1.00	0.08
11.76	79.66	0.80	4.03	1.00	0.08	11.78	78.52	0.79	4.08	1.00	0.08
11.80	76.89	0.78	4.16	1.00	0.08	11.82	73.21	0.75	4.36	1.00	0.09
11.84	71.39	0.74	4.47	1.00	0.09	11.86	71.82	0.74	4.44	1.00	0.09
11.88	74.41	0.76	4.30	1.00	0.09	11.90	76.80	0.78	4.17	1.00	0.08
11.92	79.77	0.80	4.02	1.00	0.08	11.94	82.65	0.82	3.88	1.00	0.08
11.96	84.54	0.84	3.80	1.00	0.08	11.98	86.44	0.86	3.72	1.00	0.07
12.00	87.84	0.87	3.66	1.00	0.07	12.02	92.08	0.91	3.49	1.00	0.07
12.04	94.85	0.94	2.37	1.00	0.05	12.06	96.34	0.96	1.95	1.00	0.04
12.08	96.76	0.97	1.85	1.00	0.04	12.10	96.40	0.96	1.92	1.00	0.04
12.12	98.38	0.99	1.56	1.00	0.03	12.14	99.29	1.00	1.44	1.00	0.03
12.16	102.82	1.04	1.10	1.00	0.02	12.18	106.46	1.10	0.87	1.00	0.02
12.20	119.36	1.33	0.42	1.00	0.01	12.22	124.27	1.46	0.30	1.00	0.01
12.24	126.92	1.53	0.24	1.00	0.00	12.26	125.66	1.50	0.27	1.00	0.01
12.28	124.70	1.47	0.29	1.00	0.01	12.30	122.86	1.42	0.33	1.00	0.01
12.32	120.34	1.36	0.39	1.00	0.01	12.34	119.78	1.35	0.40	1.00	0.01
12.36	119.11	1.33	0.42	1.00	0.01	12.38	118.54	1.32	0.43	1.00	0.01
12.40	119.73	1.35	0.40	1.00	0.01	12.42	124.12	1.46	0.30	1.00	0.01
12.44	124.53	1.47	0.29	1.00	0.01	12.46	124.26	1.46	0.29	1.00	0.01
12.48	123.30	1.44	0.31	1.00	0.01	12.50	123.51	1.45	0.31	1.00	0.01
12.52	126.06	1.52	0.25	1.00	0.01	12.54	128.89	1.60	0.19	1.00	0.00
12.56	130.27	1.65	0.17	1.00	0.00	12.58	130.68	1.66	0.16	1.00	0.00
12.60	131.96	1.71	0.13	1.00	0.00	12.62	137.62	1.93	0.03	1.00	0.00
12.64	143.38	2.00	0.00	1.00	0.00	12.66	149.15	2.00	0.00	1.00	0.00
12.68	149.35	2.00	0.00	1.00	0.00	12.70	145.18	2.00	0.00	1.00	0.00
12.72	140.32	2.00	0.00	1.00	0.00	12.74	135.09	1.83	0.07	1.00	0.00
12.76	126.66	1.54	0.23	1.00	0.00	12.78	117.18	1.31	0.45	1.00	0.01
12.80	108.61	1.15	0.73	1.00	0.01	12.82	102.36	1.05	1.05	1.00	0.02
12.84	99.88	1.02	1.25	1.00	0.03	12.86	101.55	1.04	1.11	1.00	0.02
12.88	104.65	1.09	0.90	1.00	0.02	12.90	109.50	1.16	0.69	1.00	0.01
12.92	115.12	1.27	0.50	1.00	0.01	12.94	119.97	1.37	0.38	1.00	0.01
12.96	122.70	1.44	0.31	1.00	0.01	12.98	124.66	1.49	0.27	1.00	0.01
13.00	123.24	1.45	0.30	1.00	0.01	13.02	118.44	1.34	0.41	1.00	0.01
13.04	113.55	1.24	0.54	1.00	0.01	13.06	112.61	1.22	0.57	1.00	0.01
13.08	113.51	1.24	0.54	1.00	0.01	13.10	113.92	1.25	0.53	1.00	0.01
13.12	109.23	1.16	0.68	1.00	0.01	13.14	103.50	1.08	0.95	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	96.45	0.99	1.60	1.00	0.03	13.18	88.36	0.90	3.64	1.00	0.07
13.20	86.78	0.89	3.70	1.00	0.07	13.22	88.72	0.90	3.62	1.00	0.07
13.24	93.61	0.96	2.18	1.00	0.04	13.26	96.12	0.98	1.63	1.00	0.03
13.28	94.72	0.97	1.88	1.00	0.04	13.30	92.65	0.95	2.46	1.00	0.05
13.32	90.31	0.92	3.56	1.00	0.07	13.34	86.07	0.88	3.73	1.00	0.07
13.36	83.83	0.86	3.83	1.00	0.08	13.38	86.52	0.89	3.71	1.00	0.07
13.40	90.35	0.92	3.56	1.00	0.07	13.42	95.33	0.98	1.72	1.00	0.03
13.44	102.88	1.08	0.95	1.00	0.02	13.46	100.82	1.05	1.09	1.00	0.02
13.48	99.23	1.03	1.21	1.00	0.02	13.50	100.31	1.04	1.12	1.00	0.02
13.52	98.72	1.02	1.25	1.00	0.03	13.54	92.96	0.96	2.23	1.00	0.04
13.56	90.15	0.93	3.57	1.00	0.07	13.58	91.42	0.94	2.81	1.00	0.06
13.60	93.63	0.96	2.01	1.00	0.04	13.62	82.04	0.85	3.91	1.00	0.08
13.64	94.83	0.98	1.74	1.00	0.03	13.66	96.85	1.00	1.43	1.00	0.03
13.68	100.57	1.05	1.07	1.00	0.02	13.70	106.97	1.14	0.73	1.00	0.01
13.72	97.41	1.01	1.35	1.00	0.03	13.74	107.87	1.16	0.69	1.00	0.01
13.76	107.42	1.15	0.71	1.00	0.01	13.78	107.54	1.15	0.70	1.00	0.01
13.80	107.57	1.16	0.70	1.00	0.01	13.82	107.40	1.15	0.71	1.00	0.01
13.84	108.28	1.17	0.67	1.00	0.01	13.86	109.63	1.19	0.62	1.00	0.01
13.88	108.52	1.17	0.66	1.00	0.01	13.90	108.45	1.17	0.66	1.00	0.01
13.92	108.38	1.17	0.66	1.00	0.01	13.94	107.93	1.17	0.68	1.00	0.01
13.96	105.97	1.14	0.75	1.00	0.02	13.98	105.43	1.13	0.77	1.00	0.02
14.00	104.98	1.12	0.79	1.00	0.02	14.02	105.19	1.13	0.78	1.00	0.02
14.04	104.75	1.12	0.80	1.00	0.02	14.06	104.02	1.11	0.83	1.00	0.02
14.08	101.87	1.08	0.94	1.00	0.02	14.10	102.08	1.08	0.92	1.00	0.02
14.12	102.39	1.09	0.90	1.00	0.02	14.14	101.95	1.08	0.93	1.00	0.02
14.16	101.88	1.08	0.93	1.00	0.02	14.18	101.90	1.08	0.92	1.00	0.02
14.20	101.74	1.08	0.93	1.00	0.02	14.22	102.05	1.09	0.91	1.00	0.02
14.24	106.51	1.15	0.71	1.00	0.01	14.26	107.10	1.16	0.68	1.00	0.01
14.28	105.33	1.14	0.75	1.00	0.02	14.30	104.14	1.12	0.80	1.00	0.02
14.32	102.00	1.09	0.90	1.00	0.02	14.34	99.12	1.05	1.08	1.00	0.02
14.36	96.16	1.01	1.35	1.00	0.03	14.38	94.60	0.99	1.54	1.00	0.03
14.40	96.31	1.02	1.32	1.00	0.03	14.42	98.02	1.04	1.16	1.00	0.02
14.44	100.57	1.07	0.97	1.00	0.02	14.46	104.16	1.12	0.78	1.00	0.02
14.48	106.44	1.16	0.69	1.00	0.01	14.50	109.47	1.21	0.59	1.00	0.01
14.52	112.31	1.26	0.50	1.00	0.01	14.54	114.88	1.31	0.44	1.00	0.01
14.56	117.26	1.37	0.38	1.00	0.01	14.58	119.45	1.42	0.33	1.00	0.01
14.60	121.54	1.47	0.28	1.00	0.01	14.62	124.68	1.56	0.22	1.00	0.00
14.64	127.35	1.64	0.17	1.00	0.00	14.66	129.07	1.69	0.14	1.00	0.00
14.68	129.65	1.71	0.13	1.00	0.00	14.70	131.47	1.78	0.09	1.00	0.00
14.72	132.14	1.81	0.08	1.00	0.00	14.74	129.51	1.71	0.13	1.00	0.00
14.76	125.55	1.59	0.20	1.00	0.00	14.78	122.45	1.50	0.26	1.00	0.01
14.80	119.07	1.42	0.33	1.00	0.01	14.82	114.49	1.32	0.43	1.00	0.01
14.84	109.26	1.22	0.57	1.00	0.01	14.86	105.73	1.16	0.69	1.00	0.01
14.88	102.39	1.11	0.82	1.00	0.02	14.90	98.80	1.06	1.02	1.00	0.02
14.92	96.05	1.03	1.23	1.00	0.02	14.94	92.55	0.99	1.67	1.00	0.03
14.96	87.97	0.94	3.34	1.00	0.07	14.98	83.50	0.90	3.85	1.00	0.08
15.00	79.19	0.86	4.05	1.00	0.08	15.02	75.24	0.83	4.25	1.00	0.09
15.04	73.29	0.81	4.36	1.00	0.09	15.06	70.84	0.80	4.50	1.00	0.09
15.08	69.20	0.78	4.60	1.00	0.09	15.10	70.51	0.79	4.52	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	69.59	0.79	4.57	1.00	0.09	15.14	67.75	0.78	4.69	1.00	0.09
15.16	66.77	0.77	4.75	1.00	0.10	15.18	65.05	0.76	4.87	1.00	0.10
15.20	62.69	0.74	5.03	1.00	0.10	15.22	60.89	0.73	5.17	1.00	0.10
15.24	59.54	0.72	5.27	1.00	0.11	15.26	59.55	0.72	5.27	1.00	0.11
15.28	60.76	0.73	5.18	1.00	0.10	15.30	60.54	0.73	5.19	1.00	0.10
15.32	59.79	0.73	5.25	1.00	0.11	15.34	59.22	0.72	5.30	1.00	0.11
15.36	59.45	0.72	5.28	1.00	0.11	15.38	60.30	0.73	5.21	1.00	0.10
15.40	60.97	0.73	5.16	1.00	0.10	15.42	60.67	0.73	5.18	1.00	0.10
15.44	61.43	0.74	5.13	1.00	0.10	15.46	63.26	0.75	4.99	1.00	0.10
15.48	65.64	0.77	4.83	1.00	0.10	15.50	66.94	0.78	4.74	1.00	0.09
15.52	69.67	0.80	4.57	1.00	0.09	15.54	76.65	0.85	4.18	1.00	0.08
15.56	86.57	0.94	3.64	1.00	0.07	15.58	94.09	1.02	1.29	1.00	0.03
15.60	103.57	1.15	0.71	1.00	0.01	15.62	114.90	1.35	0.39	1.00	0.01
15.64	120.51	1.48	0.27	1.00	0.01	15.66	122.30	1.53	0.23	1.00	0.00
15.68	119.16	1.45	0.30	1.00	0.01	15.70	112.87	1.31	0.43	1.00	0.01
15.72	107.81	1.22	0.56	1.00	0.01	15.74	106.09	1.19	0.61	1.00	0.01
15.76	103.98	1.16	0.68	1.00	0.01	15.78	99.62	1.10	0.86	1.00	0.02
15.80	96.09	1.05	1.07	1.00	0.02	15.82	95.39	1.04	1.12	1.00	0.02
15.84	97.61	1.07	0.96	1.00	0.02	15.86	100.65	1.11	0.80	1.00	0.02
15.88	102.96	1.15	0.71	1.00	0.01	15.90	103.81	1.16	0.67	1.00	0.01
15.92	102.74	1.15	0.71	1.00	0.01	15.94	97.67	1.08	0.94	1.00	0.02
15.96	93.14	1.02	1.30	1.00	0.03	15.98	91.72	1.01	1.47	1.00	0.03
16.00	90.75	1.00	1.61	1.00	0.03	16.02	92.14	1.01	1.40	1.00	0.03
16.04	100.63	1.12	0.78	1.00	0.02	16.06	108.72	1.25	0.51	1.00	0.01
16.08	112.43	1.32	0.42	1.00	0.01	16.10	111.90	1.31	0.43	1.00	0.01
16.12	110.09	1.28	0.48	1.00	0.01	16.14	106.17	1.21	0.58	1.00	0.01
16.16	102.71	1.15	0.69	1.00	0.01	16.18	99.38	1.11	0.82	1.00	0.02
16.20	96.61	1.07	0.97	1.00	0.02	16.22	93.37	1.03	1.21	1.00	0.02
16.24	91.95	1.02	1.36	1.00	0.03	16.26	92.08	1.02	1.34	1.00	0.03
16.28	90.40	1.00	1.56	1.00	0.03	16.30	88.90	0.98	1.84	1.00	0.04
16.32	86.41	0.96	2.66	1.00	0.05	16.34	83.85	0.93	3.83	1.00	0.08
16.36	81.65	0.91	3.93	1.00	0.08	16.38	75.02	0.86	4.26	1.00	0.09
16.40	83.63	0.93	3.84	1.00	0.08	16.42	91.43	1.02	1.37	1.00	0.03
16.44	23.51	2.00	0.00	1.00	0.00	16.46	15.14	2.00	0.00	1.00	0.00
16.48	13.29	2.00	0.00	1.00	0.00	16.50	21.64	2.00	0.00	1.00	0.00
16.52	105.23	1.21	0.58	1.00	0.01	16.54	129.31	1.79	0.09	1.00	0.00
16.56	118.42	1.47	0.28	1.00	0.01	16.58	100.94	1.14	0.72	1.00	0.01
16.60	99.34	1.12	0.78	1.00	0.02	16.62	104.14	1.19	0.61	1.00	0.01
16.64	105.26	1.21	0.57	1.00	0.01	16.66	105.46	1.22	0.56	1.00	0.01
16.68	106.49	1.23	0.53	1.00	0.01	16.70	108.70	1.27	0.48	1.00	0.01
16.72	110.55	1.31	0.43	1.00	0.01	16.74	111.39	1.33	0.41	1.00	0.01
16.76	112.70	1.35	0.38	1.00	0.01	16.78	110.99	1.32	0.42	1.00	0.01
16.80	106.11	1.23	0.54	1.00	0.01	16.82	103.66	1.19	0.60	1.00	0.01
16.84	99.20	1.13	0.76	1.00	0.02	16.86	91.87	1.03	1.20	1.00	0.02
16.88	86.38	0.98	2.14	1.00	0.04	16.90	81.80	0.93	3.92	1.00	0.08
16.92	78.31	0.90	4.09	1.00	0.08	16.94	76.68	0.89	4.18	1.00	0.08
16.96	75.93	0.88	4.21	1.00	0.08	16.98	75.53	0.88	4.24	1.00	0.08
17.00	74.26	0.87	4.30	1.00	0.09	17.02	73.68	0.86	4.34	1.00	0.09
17.04	72.42	0.85	4.41	1.00	0.09	17.06	72.18	0.85	4.42	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	71.70	0.85	4.45	1.00	0.09	17.10	70.00	0.84	4.55	1.00	0.09
17.12	69.70	0.83	4.57	1.00	0.09	17.14	69.48	0.83	4.58	1.00	0.09
17.16	68.39	0.83	4.65	1.00	0.09	17.18	68.44	0.83	4.64	1.00	0.09
17.20	67.96	0.82	4.67	1.00	0.09	17.22	67.23	0.82	4.72	1.00	0.09
17.24	66.84	0.82	4.75	1.00	0.09	17.26	66.97	0.82	4.74	1.00	0.09
17.28	66.24	0.81	4.79	1.00	0.10	17.30	66.20	0.81	4.79	1.00	0.10
17.32	67.20	0.82	4.72	1.00	0.09	17.34	66.90	0.82	4.74	1.00	0.09
17.36	66.35	0.81	4.78	1.00	0.10	17.38	65.11	0.81	4.86	1.00	0.10
17.40	63.27	0.79	4.99	1.00	0.10	17.42	61.27	0.78	5.14	1.00	0.10
17.44	60.97	0.78	5.16	1.00	0.10	17.46	61.96	0.79	5.09	1.00	0.10
17.48	62.86	0.79	5.02	1.00	0.10	17.50	62.91	0.79	5.02	1.00	0.10
17.52	62.53	0.79	5.04	1.00	0.10	17.54	62.58	0.79	5.04	1.00	0.10
17.56	64.59	0.81	4.90	1.00	0.10	17.58	67.55	0.83	4.70	1.00	0.09
17.60	68.71	0.84	4.63	1.00	0.09	17.62	67.99	0.83	4.67	1.00	0.09
17.64	65.46	0.81	4.84	1.00	0.10	17.66	61.76	0.79	5.10	1.00	0.10
17.68	56.93	0.76	5.48	1.00	0.11	17.70	54.35	0.74	5.71	1.00	0.11
17.72	54.23	0.74	5.72	1.00	0.11	17.74	56.30	0.75	5.54	1.00	0.11
17.76	59.37	0.77	5.28	1.00	0.11	17.78	59.57	0.78	5.27	1.00	0.11
17.80	57.03	0.76	5.48	1.00	0.11	17.82	55.31	0.75	5.63	1.00	0.11
17.84	57.09	0.76	5.47	1.00	0.11	17.86	58.96	0.77	5.32	1.00	0.11
17.88	59.44	0.78	5.28	1.00	0.11	17.90	57.64	0.77	5.42	1.00	0.11
17.92	57.25	0.76	5.46	1.00	0.11	17.94	58.91	0.77	5.32	1.00	0.11
17.96	59.55	0.78	5.27	1.00	0.11	17.98	59.83	0.78	5.25	1.00	0.10
18.00	62.46	0.80	5.05	1.00	0.10	18.02	69.62	0.85	4.57	1.00	0.09
18.04	81.07	0.95	3.96	1.00	0.08	18.06	83.55	0.98	2.25	1.00	0.05
18.08	86.24	1.00	1.55	1.00	0.03	18.10	88.78	1.03	1.22	1.00	0.02
18.12	90.14	1.05	1.09	1.00	0.02	18.14	94.60	1.10	0.82	1.00	0.02
18.16	94.39	1.10	0.83	1.00	0.02	18.18	86.83	1.01	1.42	1.00	0.03
18.20	98.83	1.16	0.65	1.00	0.01	18.22	77.52	0.92	4.13	1.00	0.08
18.24	80.89	0.96	3.70	1.00	0.07	18.26	90.23	1.05	1.05	1.00	0.02
18.28	102.50	1.22	0.54	1.00	0.01	18.30	119.39	1.57	0.20	1.00	0.00
18.32	130.60	1.93	0.02	1.00	0.00	18.34	139.15	2.00	0.00	1.00	0.00
18.36	143.41	2.00	0.00	1.00	0.00	18.38	138.37	2.00	0.00	1.00	0.00
18.40	135.17	2.00	0.00	1.00	0.00	18.42	134.27	2.00	0.00	1.00	0.00
18.44	135.30	2.00	0.00	1.00	0.00	18.46	134.31	2.00	0.00	1.00	0.00
18.48	133.04	2.00	0.00	1.00	0.00	18.50	127.50	1.83	0.07	1.00	0.00
18.52	127.97	1.85	0.06	1.00	0.00	18.54	126.99	1.81	0.07	1.00	0.00
18.56	125.64	1.77	0.10	1.00	0.00	18.58	125.30	1.76	0.10	1.00	0.00
18.60	125.77	1.78	0.09	1.00	0.00	18.62	128.15	1.86	0.05	1.00	0.00
18.64	128.26	1.86	0.05	1.00	0.00	18.66	127.28	1.83	0.07	1.00	0.00
18.68	124.49	1.74	0.11	1.00	0.00	18.70	120.27	1.61	0.18	1.00	0.00
18.72	117.15	1.53	0.23	1.00	0.00	18.74	117.53	1.54	0.22	1.00	0.00
18.76	118.45	1.57	0.20	1.00	0.00	18.78	118.38	1.57	0.20	1.00	0.00
18.80	115.89	1.51	0.24	1.00	0.00	18.82	112.88	1.44	0.30	1.00	0.01
18.84	110.76	1.39	0.33	1.00	0.01	18.86	113.46	1.45	0.28	1.00	0.01
18.88	118.04	1.56	0.21	1.00	0.00	18.90	123.54	1.72	0.12	1.00	0.00
18.92	126.45	1.82	0.07	1.00	0.00	18.94	126.74	1.83	0.07	1.00	0.00
18.96	126.04	1.81	0.08	1.00	0.00	18.98	123.08	1.71	0.12	1.00	0.00
19.00	121.39	1.66	0.15	1.00	0.00	19.02	121.77	1.67	0.14	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	123.32	1.72	0.12	1.00	0.00	19.06	122.98	1.71	0.12	1.00	0.00
19.08	122.82	1.71	0.12	1.00	0.00	19.10	120.95	1.65	0.15	1.00	0.00
19.12	119.81	1.62	0.17	1.00	0.00	19.14	118.40	1.59	0.19	1.00	0.00
19.16	113.79	1.47	0.27	1.00	0.01	19.18	120.77	1.65	0.15	1.00	0.00
19.20	121.24	1.67	0.14	1.00	0.00	19.22	121.62	1.68	0.14	1.00	0.00
19.24	121.91	1.69	0.13	1.00	0.00	19.26	121.57	1.68	0.14	1.00	0.00
19.28	120.97	1.66	0.15	1.00	0.00	19.30	120.90	1.66	0.15	1.00	0.00
19.32	120.65	1.66	0.15	1.00	0.00	19.34	120.85	1.66	0.15	1.00	0.00
19.36	121.95	1.70	0.13	1.00	0.00	19.38	122.69	1.72	0.12	1.00	0.00
19.40	123.07	1.73	0.11	1.00	0.00	19.42	124.07	1.77	0.10	1.00	0.00
19.44	124.63	1.79	0.09	1.00	0.00	19.46	125.19	1.81	0.08	1.00	0.00
19.48	124.13	1.77	0.09	1.00	0.00	19.50	122.45	1.72	0.12	1.00	0.00
19.52	121.58	1.70	0.13	1.00	0.00	19.54	121.33	1.69	0.13	1.00	0.00
19.56	119.75	1.64	0.16	1.00	0.00	19.58	115.95	1.55	0.22	1.00	0.00
19.60	109.61	1.40	0.32	1.00	0.01	19.62	107.35	1.36	0.36	1.00	0.01
19.64	108.17	1.38	0.34	1.00	0.01	19.66	108.36	1.38	0.34	1.00	0.01
19.68	107.16	1.36	0.36	1.00	0.01	19.70	107.62	1.37	0.35	1.00	0.01
19.72	107.12	1.36	0.36	1.00	0.01	19.74	106.01	1.34	0.38	1.00	0.01
19.76	102.95	1.29	0.43	1.00	0.01	19.78	99.97	1.24	0.49	1.00	0.01
19.80	99.31	1.23	0.51	1.00	0.01	19.82	96.10	1.19	0.58	1.00	0.01
19.84	93.03	1.14	0.67	1.00	0.01	19.86	90.61	1.11	0.75	1.00	0.02
19.88	90.32	1.11	0.76	1.00	0.02	19.90	92.66	1.14	0.67	1.00	0.01
19.92	99.90	1.25	0.48	1.00	0.01	19.94	108.20	1.39	0.33	1.00	0.01
19.96	112.52	1.48	0.26	1.00	0.01	19.98	108.60	1.40	0.32	1.00	0.01
20.00	100.02	1.25	0.48	1.00	0.01						

Total estimated settlement: 34.59

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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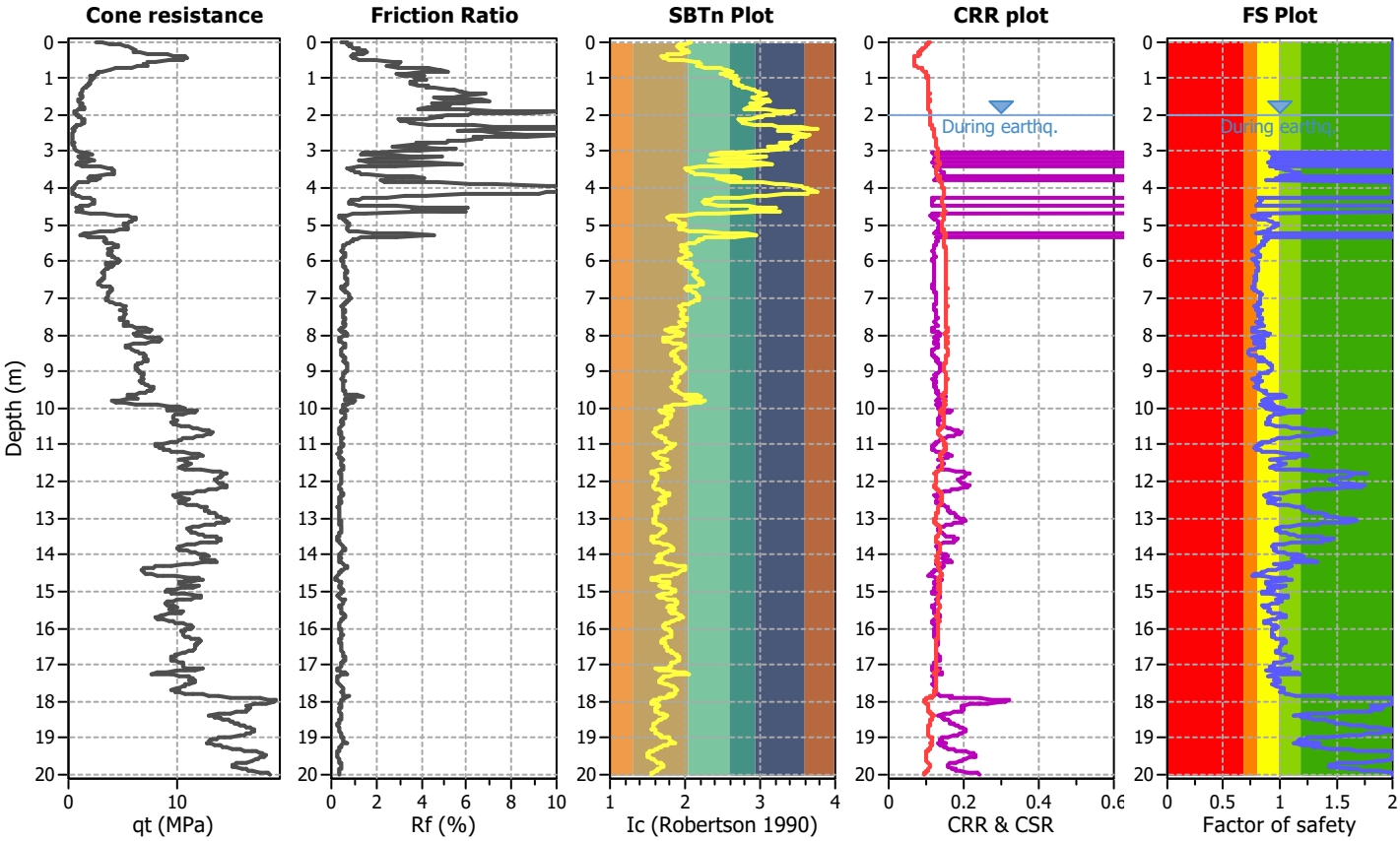
LIQUEFACTION ANALYSIS REPORT

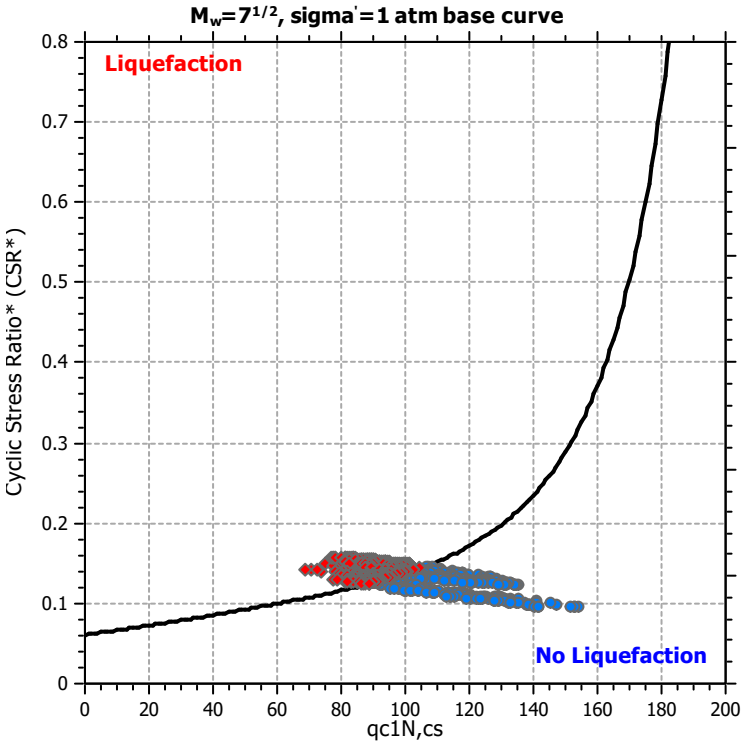
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

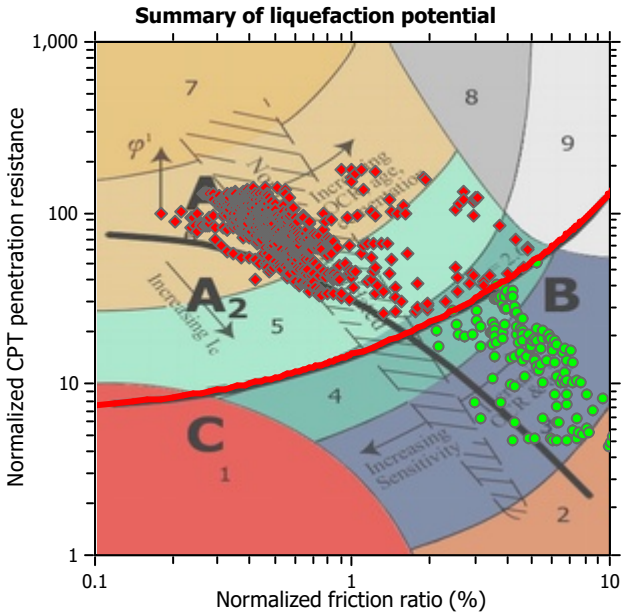
CPT file : P126

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.15	Unit weight calculation:	Based on SBT	K_σ applied:	No		

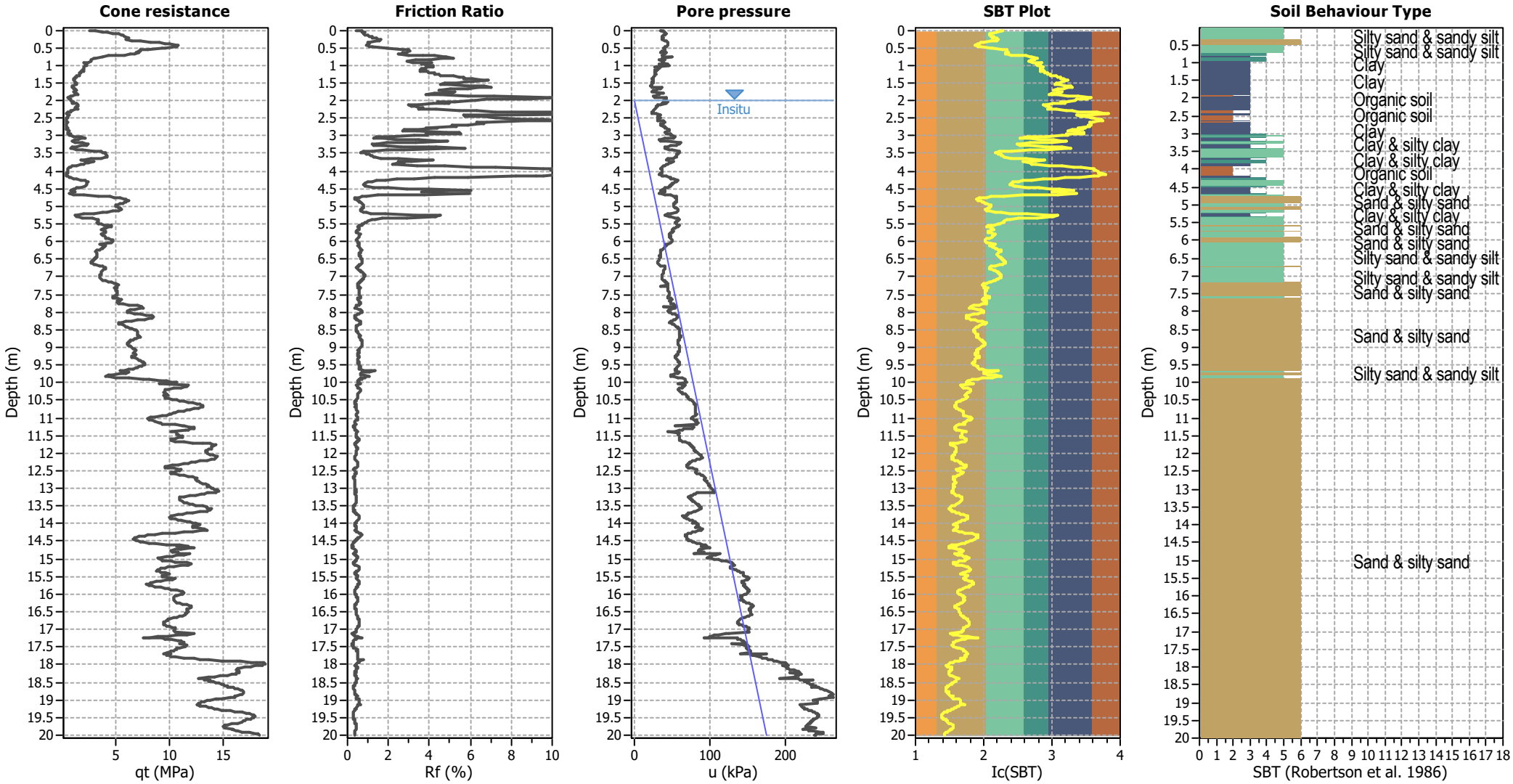






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



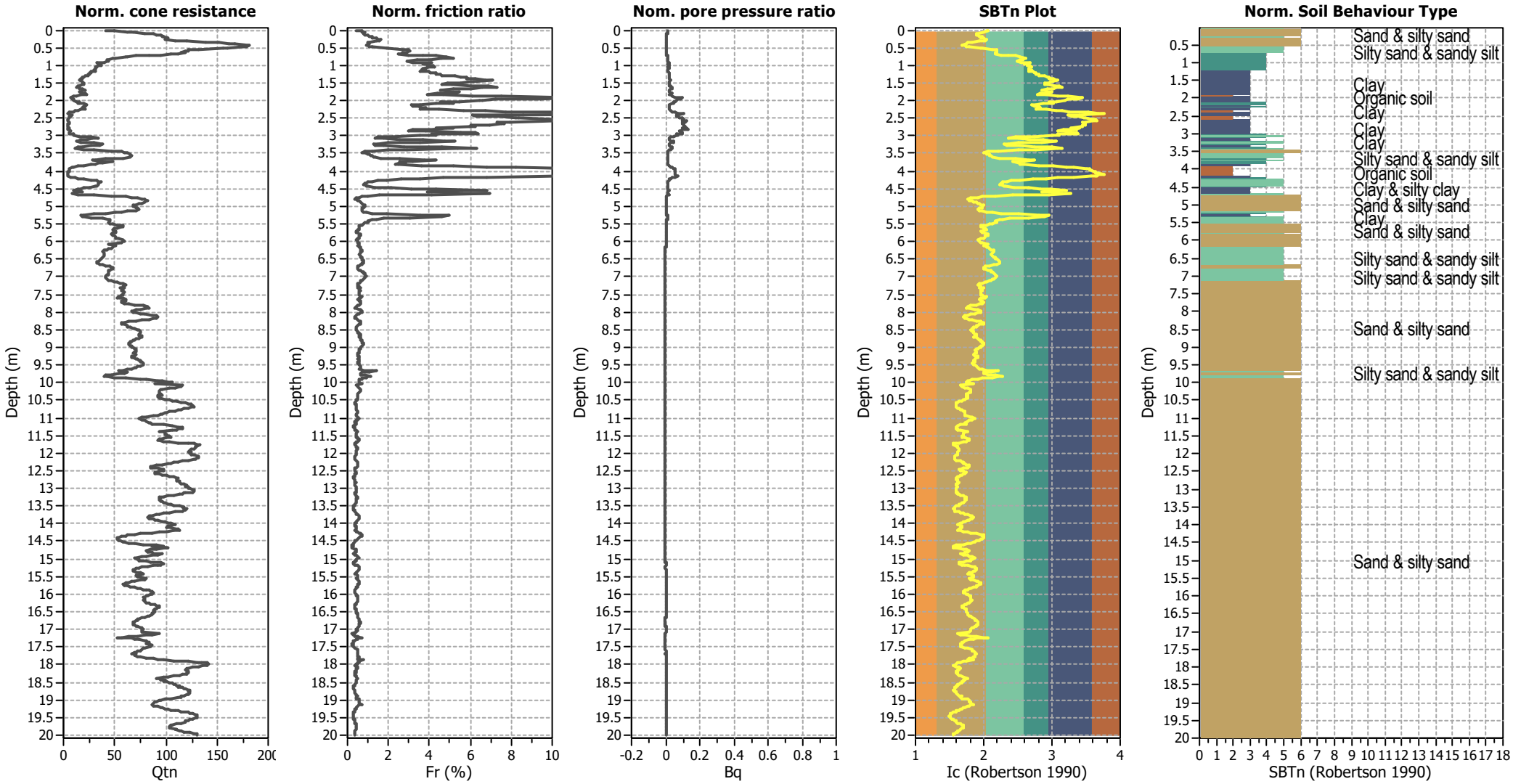
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



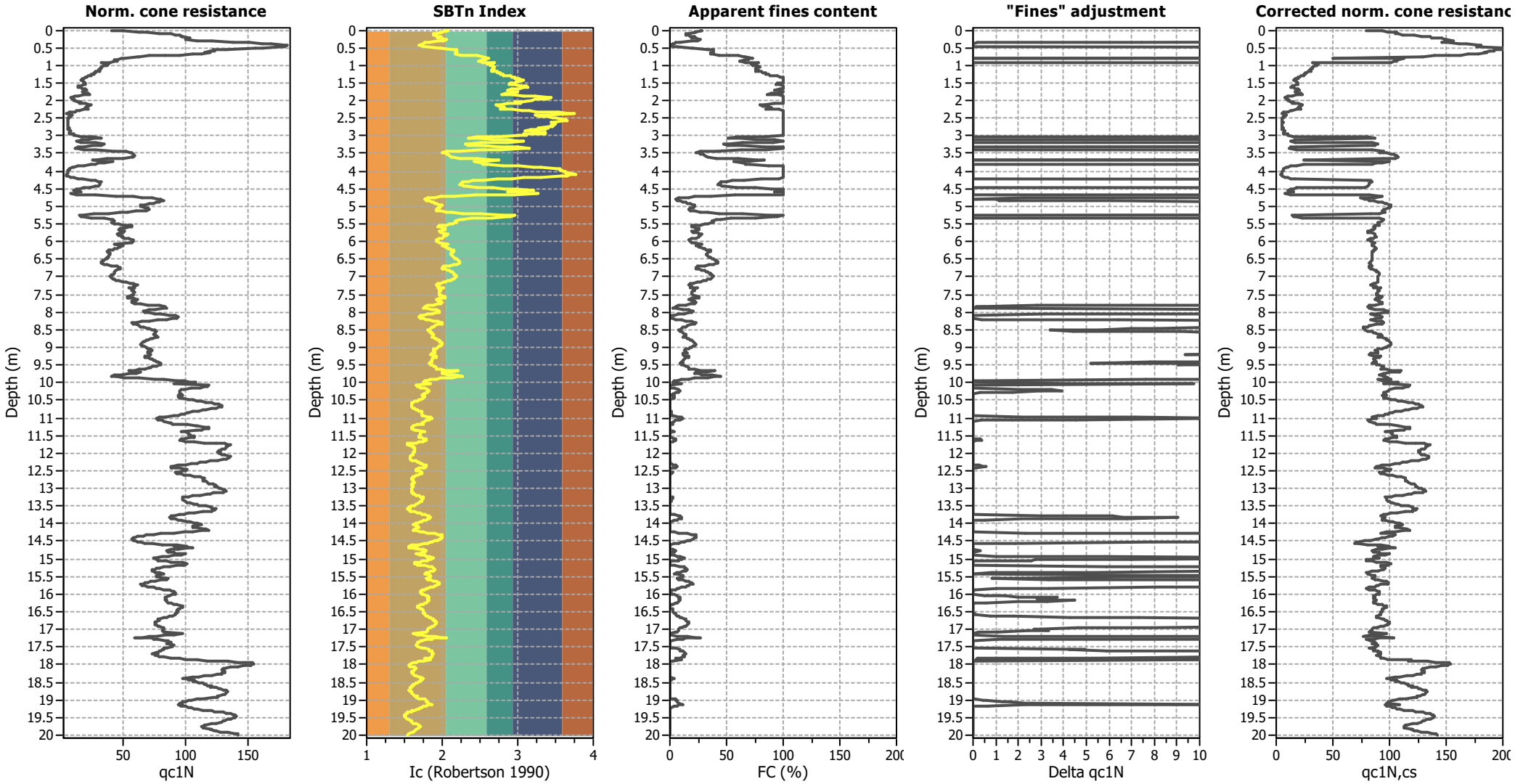
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

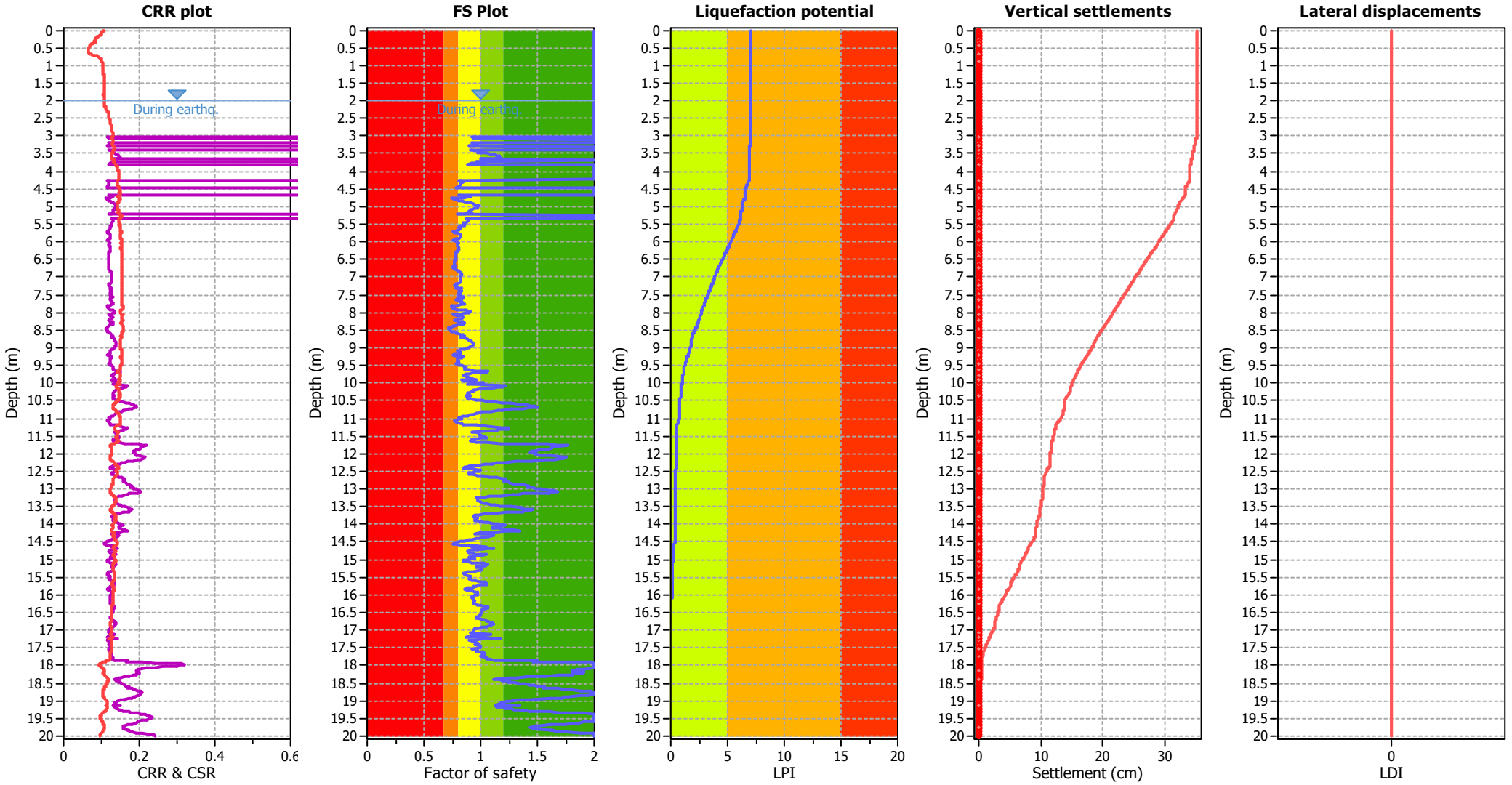
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

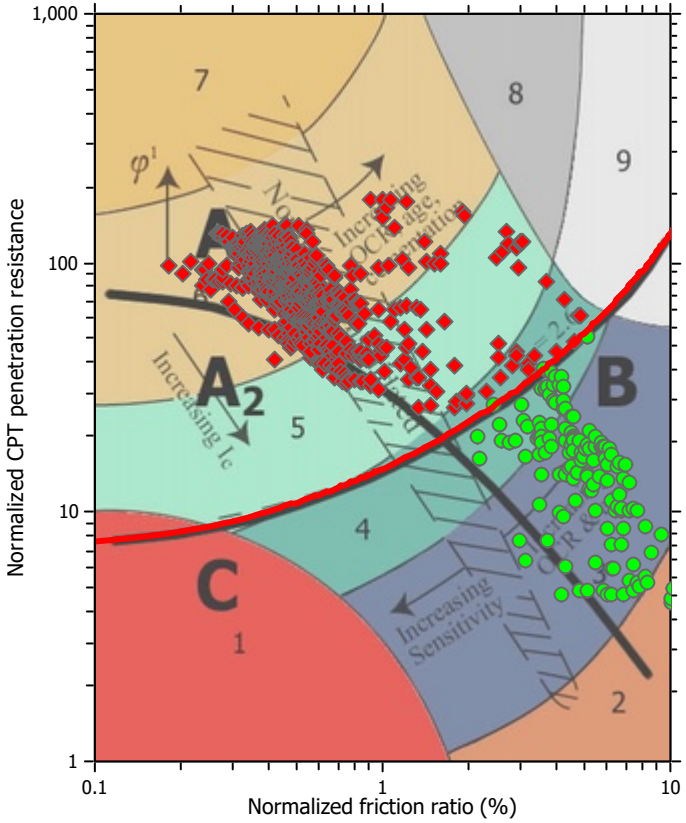
F.S. color scheme

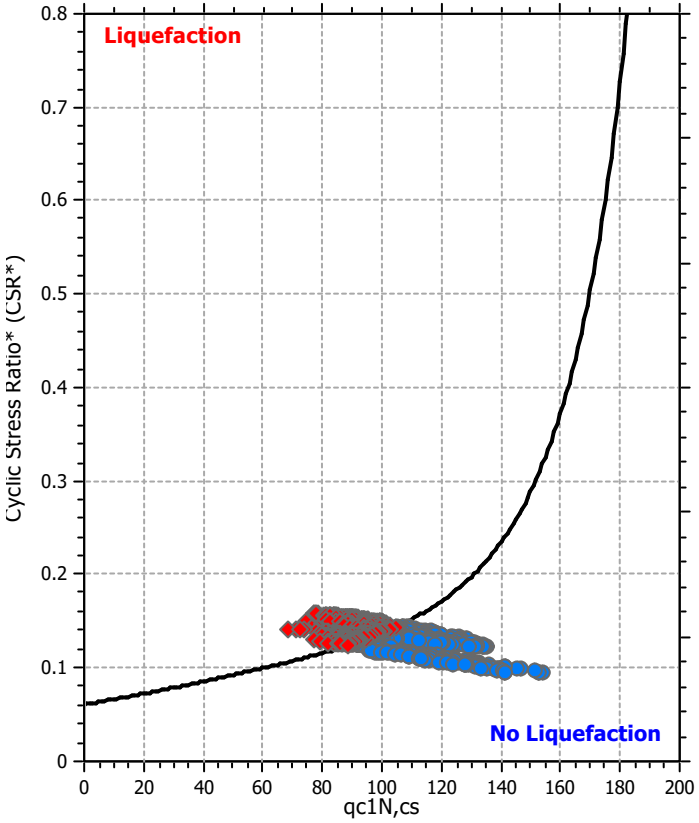
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

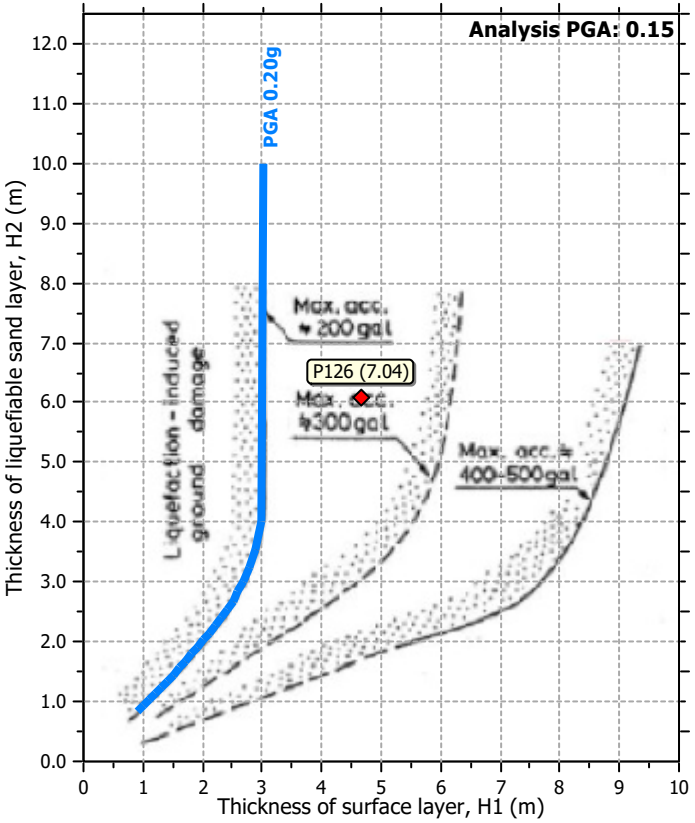
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



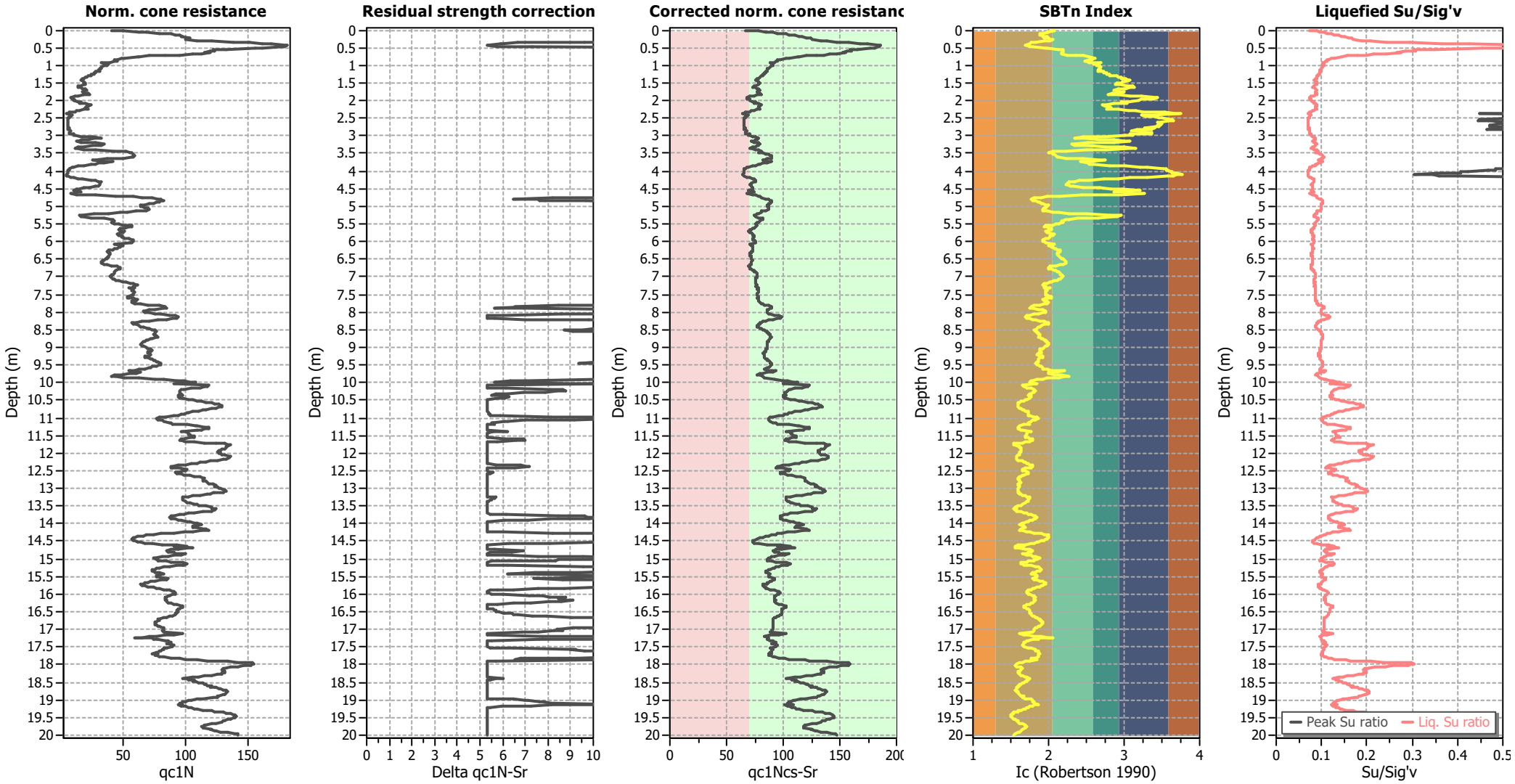




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	0.92	0.00	0.00	0.02	0.01
3.06	0.97	0.00	0.00	0.02	0.00	3.08	0.93	0.00	0.00	0.02	0.01
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	0.93	0.00	0.00	0.02	0.01
3.22	0.98	0.00	0.00	0.02	0.00	3.24	0.97	0.00	0.00	0.02	0.01
3.26	0.95	0.00	0.00	0.02	0.01	3.28	0.89	0.00	0.00	0.02	0.02
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	0.91	0.00	0.00	0.02	0.01
3.42	1.02	0.00	0.00	0.02	0.00	3.44	1.01	0.00	0.00	0.02	0.00
3.46	0.97	0.00	0.00	0.02	0.00	3.48	1.00	0.00	0.00	0.02	0.00
3.50	1.05	0.00	0.00	0.02	0.00	3.52	1.09	0.00	0.00	0.02	0.00
3.54	1.12	0.00	0.00	0.02	0.00	3.56	1.14	0.00	0.00	0.02	0.00
3.58	1.17	0.00	0.00	0.02	0.00	3.60	1.17	0.00	0.00	0.02	0.00
3.62	1.18	0.00	0.00	0.02	0.00	3.64	1.13	0.00	0.00	0.02	0.00
3.66	1.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	0.96	0.00	0.00	0.02	0.01
3.74	1.05	0.00	0.00	0.02	0.00	3.76	0.97	0.00	0.00	0.02	0.01
3.78	0.92	0.00	0.00	0.02	0.01	3.80	0.88	0.00	0.00	0.02	0.02
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	0.81	0.00	0.00	0.02	0.03	4.28	0.83	0.00	0.00	0.02	0.03
4.30	0.84	0.00	0.00	0.02	0.02	4.32	0.85	0.00	0.00	0.02	0.02
4.34	0.83	0.00	0.00	0.02	0.03	4.36	0.82	0.00	0.00	0.02	0.03
4.38	0.82	0.00	0.00	0.02	0.03	4.40	0.82	0.00	0.00	0.02	0.03
4.42	0.81	0.00	0.00	0.02	0.03	4.44	0.81	0.00	0.00	0.02	0.03
4.46	0.78	0.00	0.00	0.02	0.03	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	0.81	0.00	0.00	0.02	0.03
4.70	0.90	0.00	0.00	0.02	0.01	4.72	0.91	0.00	0.00	0.02	0.01
4.74	0.85	0.00	0.00	0.02	0.02	4.76	0.75	0.00	0.00	0.02	0.04
4.78	0.77	0.00	0.00	0.02	0.04	4.80	0.79	0.00	0.00	0.02	0.03
4.82	0.80	0.00	0.00	0.02	0.03	4.84	0.81	0.00	0.00	0.02	0.03
4.86	0.83	0.00	0.00	0.02	0.03	4.88	0.87	0.00	0.00	0.02	0.02
4.90	0.91	0.00	0.00	0.02	0.01	4.92	0.93	0.00	0.00	0.02	0.01
4.94	0.94	0.00	0.00	0.02	0.01	4.96	0.97	0.00	0.00	0.02	0.00
4.98	0.98	0.00	0.00	0.02	0.00	5.00	0.97	0.00	0.00	0.02	0.00
5.02	0.98	0.00	0.00	0.02	0.00	5.04	0.98	0.00	0.00	0.02	0.00
5.06	0.95	0.00	0.00	0.02	0.01	5.08	0.92	0.00	0.00	0.02	0.01
5.10	0.91	0.00	0.00	0.02	0.01	5.12	0.90	0.00	0.00	0.02	0.01
5.14	0.89	0.00	0.00	0.02	0.02	5.16	0.92	0.00	0.00	0.02	0.01
5.18	0.91	0.00	0.00	0.02	0.01	5.20	0.86	0.00	0.00	0.02	0.02
5.22	0.79	0.00	0.00	0.02	0.03	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	0.87	0.00	0.00	0.02	0.02	5.36	0.90	0.00	0.00	0.02	0.01
5.38	0.90	0.00	0.00	0.02	0.01	5.40	0.88	0.00	0.00	0.02	0.02
5.42	0.88	0.00	0.00	0.02	0.02	5.44	0.87	0.00	0.00	0.02	0.02
5.46	0.85	0.00	0.00	0.02	0.02	5.48	0.85	0.00	0.00	0.02	0.02
5.50	0.85	0.00	0.00	0.02	0.02	5.52	0.86	0.00	0.00	0.02	0.02
5.54	0.85	0.00	0.00	0.02	0.02	5.56	0.82	0.00	0.00	0.02	0.03
5.58	0.81	0.00	0.00	0.02	0.03	5.60	0.82	0.00	0.00	0.02	0.03
5.62	0.82	0.00	0.00	0.02	0.03	5.64	0.82	0.00	0.00	0.02	0.03
5.66	0.80	0.00	0.00	0.02	0.03	5.68	0.79	0.00	0.00	0.02	0.03
5.70	0.78	0.00	0.00	0.02	0.03	5.72	0.76	0.00	0.00	0.02	0.03
5.74	0.77	0.00	0.00	0.02	0.03	5.76	0.79	0.00	0.00	0.02	0.03
5.78	0.81	0.00	0.00	0.02	0.03	5.80	0.81	0.00	0.00	0.02	0.03
5.82	0.82	0.00	0.00	0.02	0.03	5.84	0.82	0.00	0.00	0.02	0.03
5.86	0.82	0.00	0.00	0.02	0.03	5.88	0.82	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.80	0.00	0.00	0.02	0.03	5.92	0.78	0.00	0.00	0.02	0.03
5.94	0.76	0.00	0.00	0.02	0.03	5.96	0.77	0.00	0.00	0.02	0.03
5.98	0.78	0.00	0.00	0.02	0.03	6.00	0.79	0.00	0.00	0.02	0.03
6.02	0.80	0.00	0.00	0.02	0.03	6.04	0.81	0.00	0.00	0.02	0.03
6.06	0.79	0.00	0.00	0.02	0.03	6.08	0.79	0.00	0.00	0.02	0.03
6.10	0.79	0.00	0.00	0.02	0.03	6.12	0.80	0.00	0.00	0.02	0.03
6.14	0.81	0.00	0.00	0.02	0.03	6.16	0.81	0.00	0.00	0.02	0.03
6.18	0.81	0.00	0.00	0.02	0.03	6.20	0.81	0.00	0.00	0.02	0.03
6.22	0.81	0.00	0.00	0.02	0.03	6.24	0.80	0.00	0.00	0.02	0.03
6.26	0.80	0.00	0.00	0.02	0.03	6.28	0.79	0.00	0.00	0.02	0.03
6.30	0.79	0.00	0.00	0.02	0.03	6.32	0.78	0.00	0.00	0.02	0.03
6.34	0.78	0.00	0.00	0.02	0.03	6.36	0.78	0.00	0.00	0.02	0.03
6.38	0.78	0.00	0.00	0.02	0.03	6.40	0.78	0.00	0.00	0.02	0.03
6.42	0.78	0.00	0.00	0.02	0.03	6.44	0.78	0.00	0.00	0.02	0.03
6.46	0.78	0.00	0.00	0.02	0.03	6.48	0.78	0.00	0.00	0.02	0.03
6.50	0.78	0.00	0.00	0.02	0.03	6.52	0.78	0.00	0.00	0.02	0.03
6.54	0.78	0.00	0.00	0.02	0.03	6.56	0.77	0.00	0.00	0.02	0.03
6.58	0.77	0.00	0.00	0.02	0.03	6.60	0.76	0.00	0.00	0.02	0.03
6.62	0.77	0.00	0.00	0.02	0.03	6.64	0.77	0.00	0.00	0.02	0.03
6.66	0.77	0.00	0.00	0.02	0.03	6.68	0.78	0.00	0.00	0.02	0.03
6.70	0.76	0.00	0.00	0.02	0.03	6.72	0.77	0.00	0.00	0.02	0.03
6.74	0.76	0.00	0.00	0.02	0.03	6.76	0.77	0.00	0.00	0.02	0.03
6.78	0.78	0.00	0.00	0.02	0.03	6.80	0.80	0.00	0.00	0.02	0.03
6.82	0.81	0.00	0.00	0.02	0.03	6.84	0.81	0.00	0.00	0.02	0.03
6.86	0.82	0.00	0.00	0.02	0.02	6.88	0.83	0.00	0.00	0.02	0.02
6.90	0.83	0.00	0.00	0.02	0.02	6.92	0.84	0.00	0.00	0.02	0.02
6.94	0.83	0.00	0.00	0.02	0.02	6.96	0.83	0.00	0.00	0.02	0.02
6.98	0.82	0.00	0.00	0.02	0.02	7.00	0.82	0.00	0.00	0.02	0.02
7.02	0.82	0.00	0.00	0.02	0.02	7.04	0.82	0.00	0.00	0.02	0.02
7.06	0.82	0.00	0.00	0.02	0.02	7.08	0.82	0.00	0.00	0.02	0.02
7.10	0.81	0.00	0.00	0.02	0.02	7.12	0.82	0.00	0.00	0.02	0.02
7.14	0.82	0.00	0.00	0.02	0.02	7.16	0.82	0.00	0.00	0.02	0.02
7.18	0.80	0.00	0.00	0.02	0.03	7.20	0.78	0.00	0.00	0.02	0.03
7.22	0.77	0.00	0.00	0.02	0.03	7.24	0.77	0.00	0.00	0.02	0.03
7.26	0.79	0.00	0.00	0.02	0.03	7.28	0.80	0.00	0.00	0.02	0.03
7.30	0.79	0.00	0.00	0.02	0.03	7.32	0.84	0.00	0.00	0.02	0.02
7.34	0.81	0.00	0.00	0.02	0.02	7.36	0.82	0.00	0.00	0.02	0.02
7.38	0.83	0.00	0.00	0.02	0.02	7.40	0.81	0.00	0.00	0.02	0.02
7.42	0.82	0.00	0.00	0.02	0.02	7.44	0.81	0.00	0.00	0.02	0.02
7.46	0.80	0.00	0.00	0.02	0.02	7.48	0.81	0.00	0.00	0.02	0.02
7.50	0.81	0.00	0.00	0.02	0.02	7.52	0.82	0.00	0.00	0.02	0.02
7.54	0.84	0.00	0.00	0.02	0.02	7.56	0.85	0.00	0.00	0.02	0.02
7.58	0.84	0.00	0.00	0.02	0.02	7.60	0.82	0.00	0.00	0.02	0.02
7.62	0.80	0.00	0.00	0.02	0.02	7.64	0.79	0.00	0.00	0.02	0.03
7.66	0.79	0.00	0.00	0.02	0.03	7.68	0.83	0.00	0.00	0.02	0.02
7.70	0.81	0.00	0.00	0.02	0.02	7.72	0.84	0.00	0.00	0.02	0.02
7.74	0.85	0.00	0.00	0.02	0.02	7.76	0.85	0.00	0.00	0.02	0.02
7.78	0.84	0.00	0.00	0.02	0.02	7.80	0.80	0.00	0.00	0.02	0.02
7.82	0.75	0.00	0.00	0.02	0.03	7.84	0.76	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.75	0.00	0.00	0.02	0.03	7.88	0.77	0.00	0.00	0.02	0.03
7.90	0.75	0.00	0.00	0.02	0.03	7.92	0.80	0.00	0.00	0.02	0.02
7.94	0.87	0.00	0.00	0.02	0.02	7.96	0.90	0.00	0.00	0.02	0.01
7.98	0.91	0.00	0.00	0.02	0.01	8.00	0.90	0.00	0.00	0.02	0.01
8.02	0.87	0.00	0.00	0.02	0.02	8.04	0.81	0.00	0.00	0.02	0.02
8.06	0.76	0.00	0.00	0.02	0.03	8.08	0.79	0.00	0.00	0.02	0.03
8.10	0.83	0.00	0.00	0.02	0.02	8.12	0.85	0.00	0.00	0.02	0.02
8.14	0.85	0.00	0.00	0.02	0.02	8.16	0.84	0.00	0.00	0.02	0.02
8.18	0.81	0.00	0.00	0.02	0.02	8.20	0.77	0.00	0.00	0.02	0.03
8.22	0.77	0.00	0.00	0.02	0.03	8.24	0.80	0.00	0.00	0.02	0.02
8.26	0.85	0.00	0.00	0.02	0.02	8.28	0.86	0.00	0.00	0.02	0.02
8.30	0.86	0.00	0.00	0.02	0.02	8.32	0.86	0.00	0.00	0.02	0.02
8.34	0.85	0.00	0.00	0.02	0.02	8.36	0.81	0.00	0.00	0.02	0.02
8.38	0.77	0.00	0.00	0.02	0.03	8.40	0.76	0.00	0.00	0.02	0.03
8.42	0.75	0.00	0.00	0.02	0.03	8.44	0.72	0.00	0.00	0.02	0.03
8.46	0.72	0.00	0.00	0.02	0.03	8.48	0.72	0.00	0.00	0.02	0.03
8.50	0.73	0.00	0.00	0.02	0.03	8.52	0.72	0.00	0.00	0.02	0.03
8.54	0.74	0.00	0.00	0.02	0.03	8.56	0.77	0.00	0.00	0.02	0.03
8.58	0.78	0.00	0.00	0.02	0.02	8.60	0.79	0.00	0.00	0.02	0.02
8.62	0.82	0.00	0.00	0.02	0.02	8.64	0.84	0.00	0.00	0.02	0.02
8.66	0.85	0.00	0.00	0.02	0.02	8.68	0.84	0.00	0.00	0.02	0.02
8.70	0.82	0.00	0.00	0.02	0.02	8.72	0.85	0.00	0.00	0.02	0.02
8.74	0.88	0.00	0.00	0.02	0.01	8.76	0.89	0.00	0.00	0.02	0.01
8.78	0.90	0.00	0.00	0.02	0.01	8.80	0.91	0.00	0.00	0.02	0.01
8.82	0.92	0.00	0.00	0.02	0.01	8.84	0.92	0.00	0.00	0.02	0.01
8.86	0.93	0.00	0.00	0.02	0.01	8.88	0.94	0.00	0.00	0.02	0.01
8.90	0.94	0.00	0.00	0.02	0.01	8.92	0.94	0.00	0.00	0.02	0.01
8.94	0.93	0.00	0.00	0.02	0.01	8.96	0.92	0.00	0.00	0.02	0.01
8.98	0.92	0.00	0.00	0.02	0.01	9.00	0.90	0.00	0.00	0.02	0.01
9.02	0.89	0.00	0.00	0.02	0.01	9.04	0.86	0.00	0.00	0.02	0.02
9.06	0.82	0.00	0.00	0.02	0.02	9.08	0.81	0.00	0.00	0.02	0.02
9.10	0.80	0.00	0.00	0.02	0.02	9.12	0.81	0.00	0.00	0.02	0.02
9.14	0.82	0.00	0.00	0.02	0.02	9.16	0.82	0.00	0.00	0.02	0.02
9.18	0.76	0.00	0.00	0.02	0.03	9.20	0.75	0.00	0.00	0.02	0.03
9.22	0.76	0.00	0.00	0.02	0.03	9.24	0.79	0.00	0.00	0.02	0.02
9.26	0.84	0.00	0.00	0.02	0.02	9.28	0.84	0.00	0.00	0.02	0.02
9.30	0.81	0.00	0.00	0.02	0.02	9.32	0.79	0.00	0.00	0.02	0.02
9.34	0.80	0.00	0.00	0.02	0.02	9.36	0.80	0.00	0.00	0.02	0.02
9.38	0.80	0.00	0.00	0.02	0.02	9.40	0.81	0.00	0.00	0.02	0.02
9.42	0.79	0.00	0.00	0.02	0.02	9.44	0.78	0.00	0.00	0.02	0.02
9.46	0.81	0.00	0.00	0.02	0.02	9.48	0.81	0.00	0.00	0.02	0.02
9.50	0.83	0.00	0.00	0.02	0.02	9.52	0.86	0.00	0.00	0.02	0.02
9.54	0.87	0.00	0.00	0.02	0.01	9.56	0.88	0.00	0.00	0.02	0.01
9.58	0.86	0.00	0.00	0.02	0.01	9.60	0.86	0.00	0.00	0.02	0.02
9.62	0.90	0.00	0.00	0.02	0.01	9.64	0.95	0.00	0.00	0.02	0.01
9.66	1.03	0.00	0.00	0.02	0.00	9.68	1.06	0.00	0.00	0.02	0.00
9.70	1.05	0.00	0.00	0.02	0.00	9.72	0.94	0.00	0.00	0.02	0.01
9.74	0.89	0.00	0.00	0.02	0.01	9.76	0.87	0.00	0.00	0.02	0.01
9.78	0.84	0.00	0.00	0.02	0.02	9.80	0.86	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.88	0.00	0.00	0.02	0.01	9.84	0.88	0.00	0.00	0.02	0.01
9.86	0.93	0.00	0.00	0.02	0.01	9.88	0.91	0.00	0.00	0.02	0.01
9.90	0.96	0.00	0.00	0.02	0.00	9.92	0.83	0.00	0.00	0.02	0.02
9.94	0.86	0.00	0.00	0.02	0.01	9.96	0.91	0.00	0.00	0.02	0.01
9.98	0.97	0.00	0.00	0.02	0.00	10.00	1.03	0.00	0.00	0.02	0.00
10.02	0.88	0.00	0.00	0.02	0.01	10.04	0.94	0.00	0.00	0.02	0.01
10.06	1.21	0.00	0.00	0.02	0.00	10.08	1.22	0.00	0.00	0.02	0.00
10.10	1.19	0.00	0.00	0.02	0.00	10.12	1.16	0.00	0.00	0.02	0.00
10.14	1.09	0.00	0.00	0.02	0.00	10.16	1.00	0.00	0.00	0.02	0.00
10.18	0.94	0.00	0.00	0.02	0.01	10.20	0.93	0.00	0.00	0.02	0.01
10.22	0.93	0.00	0.00	0.02	0.01	10.24	0.92	0.00	0.00	0.02	0.01
10.26	0.90	0.00	0.00	0.02	0.01	10.28	0.89	0.00	0.00	0.02	0.01
10.30	0.89	0.00	0.00	0.02	0.01	10.32	0.90	0.00	0.00	0.02	0.01
10.34	0.91	0.00	0.00	0.02	0.01	10.36	0.90	0.00	0.00	0.02	0.01
10.38	0.87	0.00	0.00	0.02	0.01	10.40	0.89	0.00	0.00	0.02	0.01
10.42	0.88	0.00	0.00	0.02	0.01	10.44	0.89	0.00	0.00	0.02	0.01
10.46	0.91	0.00	0.00	0.02	0.01	10.48	0.96	0.00	0.00	0.02	0.00
10.50	1.01	0.00	0.00	0.02	0.00	10.52	1.06	0.00	0.00	0.02	0.00
10.54	1.11	0.00	0.00	0.02	0.00	10.56	1.19	0.00	0.00	0.02	0.00
10.58	1.27	0.00	0.00	0.02	0.00	10.60	1.34	0.00	0.00	0.02	0.00
10.62	1.41	0.00	0.00	0.02	0.00	10.64	1.44	0.00	0.00	0.02	0.00
10.66	1.48	0.00	0.00	0.02	0.00	10.68	1.49	0.00	0.00	0.02	0.00
10.70	1.44	0.00	0.00	0.02	0.00	10.72	1.37	0.00	0.00	0.02	0.00
10.74	1.27	0.00	0.00	0.02	0.00	10.76	1.19	0.00	0.00	0.02	0.00
10.78	1.15	0.00	0.00	0.02	0.00	10.80	1.09	0.00	0.00	0.02	0.00
10.82	1.02	0.00	0.00	0.02	0.00	10.84	0.98	0.00	0.00	0.02	0.00
10.86	0.96	0.00	0.00	0.02	0.00	10.88	0.93	0.00	0.00	0.02	0.01
10.90	0.91	0.00	0.00	0.02	0.01	10.92	0.89	0.00	0.00	0.02	0.01
10.94	0.85	0.00	0.00	0.02	0.01	10.96	0.80	0.00	0.00	0.02	0.02
10.98	0.81	0.00	0.00	0.02	0.02	11.00	0.83	0.00	0.00	0.02	0.01
11.02	0.81	0.00	0.00	0.02	0.02	11.04	0.78	0.00	0.00	0.02	0.02
11.06	0.78	0.00	0.00	0.02	0.02	11.08	0.77	0.00	0.00	0.02	0.02
11.10	0.78	0.00	0.00	0.02	0.02	11.12	0.78	0.00	0.00	0.02	0.02
11.14	0.82	0.00	0.00	0.02	0.02	11.16	0.83	0.00	0.00	0.02	0.02
11.18	0.84	0.00	0.00	0.02	0.01	11.20	0.96	0.00	0.00	0.02	0.00
11.22	1.06	0.00	0.00	0.02	0.00	11.24	1.07	0.00	0.00	0.02	0.00
11.26	1.17	0.00	0.00	0.02	0.00	11.28	1.25	0.00	0.00	0.02	0.00
11.30	1.24	0.00	0.00	0.02	0.00	11.32	1.17	0.00	0.00	0.02	0.00
11.34	1.14	0.00	0.00	0.02	0.00	11.36	1.09	0.00	0.00	0.02	0.00
11.38	0.92	0.00	0.00	0.02	0.01	11.40	0.96	0.00	0.00	0.02	0.00
11.42	0.99	0.00	0.00	0.02	0.00	11.44	0.98	0.00	0.00	0.02	0.00
11.46	0.99	0.00	0.00	0.02	0.00	11.48	1.00	0.00	0.00	0.02	0.00
11.50	1.02	0.00	0.00	0.02	0.00	11.52	1.04	0.00	0.00	0.02	0.00
11.54	1.05	0.00	0.00	0.02	0.00	11.56	1.00	0.00	0.00	0.02	0.00
11.58	0.95	0.00	0.00	0.02	0.00	11.60	0.92	0.00	0.00	0.02	0.01
11.62	0.91	0.00	0.00	0.02	0.01	11.64	0.92	0.00	0.00	0.02	0.01
11.66	0.96	0.00	0.00	0.02	0.00	11.68	1.05	0.00	0.00	0.02	0.00
11.70	1.18	0.00	0.00	0.02	0.00	11.72	1.38	0.00	0.00	0.02	0.00
11.74	1.59	0.00	0.00	0.02	0.00	11.76	1.66	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	1.77	0.00	0.00	0.02	0.00	11.80	1.67	0.00	0.00	0.02	0.00
11.82	1.62	0.00	0.00	0.02	0.00	11.84	1.63	0.00	0.00	0.02	0.00
11.86	1.63	0.00	0.00	0.02	0.00	11.88	1.59	0.00	0.00	0.02	0.00
11.90	1.52	0.00	0.00	0.02	0.00	11.92	1.48	0.00	0.00	0.02	0.00
11.94	1.44	0.00	0.00	0.02	0.00	11.96	1.44	0.00	0.00	0.02	0.00
11.98	1.49	0.00	0.00	0.02	0.00	12.00	1.47	0.00	0.00	0.02	0.00
12.02	1.49	0.00	0.00	0.02	0.00	12.04	1.53	0.00	0.00	0.02	0.00
12.06	1.62	0.00	0.00	0.02	0.00	12.08	1.72	0.00	0.00	0.02	0.00
12.10	1.75	0.00	0.00	0.02	0.00	12.12	1.73	0.00	0.00	0.02	0.00
12.14	1.72	0.00	0.00	0.02	0.00	12.16	1.65	0.00	0.00	0.02	0.00
12.18	1.58	0.00	0.00	0.02	0.00	12.20	1.45	0.00	0.00	0.02	0.00
12.22	1.30	0.00	0.00	0.02	0.00	12.24	1.22	0.00	0.00	0.02	0.00
12.26	1.14	0.00	0.00	0.02	0.00	12.28	1.10	0.00	0.00	0.02	0.00
12.30	1.04	0.00	0.00	0.02	0.00	12.32	0.98	0.00	0.00	0.02	0.00
12.34	0.91	0.00	0.00	0.02	0.01	12.36	0.87	0.00	0.00	0.02	0.01
12.38	0.86	0.00	0.00	0.02	0.01	12.40	0.85	0.00	0.00	0.02	0.01
12.42	0.87	0.00	0.00	0.02	0.01	12.44	0.92	0.00	0.00	0.02	0.01
12.46	0.98	0.00	0.00	0.02	0.00	12.48	1.00	0.00	0.00	0.02	0.00
12.50	0.99	0.00	0.00	0.02	0.00	12.52	0.95	0.00	0.00	0.02	0.00
12.54	0.92	0.00	0.00	0.02	0.01	12.56	0.89	0.00	0.00	0.02	0.01
12.58	0.90	0.00	0.00	0.02	0.01	12.60	0.94	0.00	0.00	0.02	0.00
12.62	0.97	0.00	0.00	0.02	0.00	12.64	1.03	0.00	0.00	0.02	0.00
12.66	1.08	0.00	0.00	0.02	0.00	12.68	1.15	0.00	0.00	0.02	0.00
12.70	1.19	0.00	0.00	0.02	0.00	12.72	1.21	0.00	0.00	0.02	0.00
12.74	1.20	0.00	0.00	0.02	0.00	12.76	1.20	0.00	0.00	0.02	0.00
12.78	1.20	0.00	0.00	0.02	0.00	12.80	1.24	0.00	0.00	0.02	0.00
12.82	1.26	0.00	0.00	0.02	0.00	12.84	1.26	0.00	0.00	0.02	0.00
12.86	1.30	0.00	0.00	0.02	0.00	12.88	1.37	0.00	0.00	0.02	0.00
12.90	1.42	0.00	0.00	0.02	0.00	12.92	1.41	0.00	0.00	0.02	0.00
12.94	1.41	0.00	0.00	0.02	0.00	12.96	1.46	0.00	0.00	0.02	0.00
12.98	1.49	0.00	0.00	0.02	0.00	13.00	1.54	0.00	0.00	0.02	0.00
13.02	1.59	0.00	0.00	0.02	0.00	13.04	1.64	0.00	0.00	0.02	0.00
13.06	1.69	0.00	0.00	0.02	0.00	13.08	1.66	0.00	0.00	0.02	0.00
13.10	1.60	0.00	0.00	0.02	0.00	13.12	1.42	0.00	0.00	0.02	0.00
13.14	1.38	0.00	0.00	0.02	0.00	13.16	1.33	0.00	0.00	0.02	0.00
13.18	1.28	0.00	0.00	0.02	0.00	13.20	1.17	0.00	0.00	0.02	0.00
13.22	1.08	0.00	0.00	0.02	0.00	13.24	1.02	0.00	0.00	0.02	0.00
13.26	0.97	0.00	0.00	0.02	0.00	13.28	0.97	0.00	0.00	0.02	0.00
13.30	0.98	0.00	0.00	0.02	0.00	13.32	0.97	0.00	0.00	0.02	0.00
13.34	0.97	0.00	0.00	0.02	0.00	13.36	1.00	0.00	0.00	0.02	0.00
13.38	1.00	0.00	0.00	0.02	0.00	13.40	1.02	0.00	0.00	0.02	0.00
13.42	1.05	0.00	0.00	0.02	0.00	13.44	1.09	0.00	0.00	0.02	0.00
13.46	1.13	0.00	0.00	0.02	0.00	13.48	1.16	0.00	0.00	0.02	0.00
13.50	1.27	0.00	0.00	0.02	0.00	13.52	1.37	0.00	0.00	0.02	0.00
13.54	1.36	0.00	0.00	0.02	0.00	13.56	1.38	0.00	0.00	0.02	0.00
13.58	1.47	0.00	0.00	0.02	0.00	13.60	1.44	0.00	0.00	0.02	0.00
13.62	1.38	0.00	0.00	0.02	0.00	13.64	1.37	0.00	0.00	0.02	0.00
13.66	1.23	0.00	0.00	0.02	0.00	13.68	1.11	0.00	0.00	0.02	0.00
13.70	1.04	0.00	0.00	0.02	0.00	13.72	0.99	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	0.95	0.00	0.00	0.02	0.00	13.76	0.93	0.00	0.00	0.02	0.00
13.78	0.93	0.00	0.00	0.02	0.00	13.80	0.95	0.00	0.00	0.02	0.00
13.82	0.95	0.00	0.00	0.02	0.00	13.84	0.97	0.00	0.00	0.02	0.00
13.86	0.96	0.00	0.00	0.02	0.00	13.88	0.94	0.00	0.00	0.02	0.00
13.90	0.95	0.00	0.00	0.02	0.00	13.92	0.98	0.00	0.00	0.02	0.00
13.94	1.03	0.00	0.00	0.02	0.00	13.96	1.07	0.00	0.00	0.02	0.00
13.98	1.11	0.00	0.00	0.02	0.00	14.00	1.15	0.00	0.00	0.02	0.00
14.02	1.21	0.00	0.00	0.02	0.00	14.04	1.19	0.00	0.00	0.02	0.00
14.06	1.13	0.00	0.00	0.02	0.00	14.08	1.11	0.00	0.00	0.02	0.00
14.10	1.10	0.00	0.00	0.02	0.00	14.12	1.17	0.00	0.00	0.02	0.00
14.14	1.24	0.00	0.00	0.02	0.00	14.16	1.29	0.00	0.00	0.02	0.00
14.18	1.34	0.00	0.00	0.02	0.00	14.20	1.22	0.00	0.00	0.02	0.00
14.22	1.11	0.00	0.00	0.02	0.00	14.24	1.01	0.00	0.00	0.02	0.00
14.26	0.95	0.00	0.00	0.02	0.00	14.28	1.07	0.00	0.00	0.02	0.00
14.30	1.11	0.00	0.00	0.02	0.00	14.32	1.11	0.00	0.00	0.02	0.00
14.34	1.07	0.00	0.00	0.02	0.00	14.36	1.04	0.00	0.00	0.02	0.00
14.38	0.99	0.00	0.00	0.02	0.00	14.40	0.96	0.00	0.00	0.02	0.00
14.42	0.92	0.00	0.00	0.02	0.00	14.44	0.90	0.00	0.00	0.02	0.01
14.46	0.86	0.00	0.00	0.02	0.01	14.48	0.85	0.00	0.00	0.02	0.01
14.50	0.82	0.00	0.00	0.02	0.01	14.52	0.78	0.00	0.00	0.02	0.01
14.54	0.76	0.00	0.00	0.02	0.01	14.56	0.75	0.00	0.00	0.02	0.01
14.58	0.78	0.00	0.00	0.02	0.01	14.60	0.84	0.00	0.00	0.02	0.01
14.62	0.95	0.00	0.00	0.02	0.00	14.64	1.05	0.00	0.00	0.02	0.00
14.66	0.93	0.00	0.00	0.02	0.00	14.68	1.11	0.00	0.00	0.02	0.00
14.70	1.07	0.00	0.00	0.02	0.00	14.72	0.97	0.00	0.00	0.02	0.00
14.74	0.91	0.00	0.00	0.02	0.00	14.76	0.88	0.00	0.00	0.02	0.01
14.78	0.88	0.00	0.00	0.02	0.01	14.80	0.89	0.00	0.00	0.02	0.01
14.82	0.94	0.00	0.00	0.02	0.00	14.84	0.94	0.00	0.00	0.02	0.00
14.86	1.05	0.00	0.00	0.02	0.00	14.88	1.00	0.00	0.00	0.02	0.00
14.90	0.93	0.00	0.00	0.02	0.00	14.92	0.90	0.00	0.00	0.02	0.01
14.94	0.90	0.00	0.00	0.02	0.01	14.96	0.95	0.00	0.00	0.02	0.00
14.98	0.93	0.00	0.00	0.02	0.00	15.00	0.87	0.00	0.00	0.02	0.01
15.02	0.84	0.00	0.00	0.02	0.01	15.04	0.84	0.00	0.00	0.02	0.01
15.06	0.88	0.00	0.00	0.02	0.01	15.08	0.92	0.00	0.00	0.02	0.00
15.10	1.03	0.00	0.00	0.02	0.00	15.12	1.07	0.00	0.00	0.02	0.00
15.14	1.07	0.00	0.00	0.02	0.00	15.16	1.04	0.00	0.00	0.02	0.00
15.18	1.02	0.00	0.00	0.02	0.00	15.20	0.97	0.00	0.00	0.02	0.00
15.22	0.97	0.00	0.00	0.02	0.00	15.24	1.01	0.00	0.00	0.02	0.00
15.26	1.01	0.00	0.00	0.02	0.00	15.28	1.01	0.00	0.00	0.02	0.00
15.30	1.00	0.00	0.00	0.02	0.00	15.32	0.98	0.00	0.00	0.02	0.00
15.34	0.94	0.00	0.00	0.02	0.00	15.36	0.89	0.00	0.00	0.02	0.01
15.38	0.86	0.00	0.00	0.02	0.01	15.40	0.85	0.00	0.00	0.02	0.01
15.42	0.87	0.00	0.00	0.02	0.01	15.44	0.86	0.00	0.00	0.02	0.01
15.46	0.89	0.00	0.00	0.02	0.00	15.48	0.91	0.00	0.00	0.02	0.00
15.50	0.92	0.00	0.00	0.02	0.00	15.52	0.91	0.00	0.00	0.02	0.00
15.54	0.90	0.00	0.00	0.02	0.00	15.56	0.91	0.00	0.00	0.02	0.00
15.58	0.92	0.00	0.00	0.02	0.00	15.60	0.95	0.00	0.00	0.02	0.00
15.62	1.00	0.00	0.00	0.02	0.00	15.64	1.04	0.00	0.00	0.02	0.00
15.66	1.05	0.00	0.00	0.02	0.00	15.68	1.05	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	1.05	0.00	0.00	0.02	0.00	15.72	0.99	0.00	0.00	0.02	0.00
15.74	0.96	0.00	0.00	0.02	0.00	15.76	0.94	0.00	0.00	0.02	0.00
15.78	0.93	0.00	0.00	0.02	0.00	15.80	0.88	0.00	0.00	0.02	0.01
15.82	0.86	0.00	0.00	0.02	0.01	15.84	0.86	0.00	0.00	0.02	0.01
15.86	0.88	0.00	0.00	0.02	0.00	15.88	0.91	0.00	0.00	0.02	0.00
15.90	0.93	0.00	0.00	0.02	0.00	15.92	0.95	0.00	0.00	0.02	0.00
15.94	0.97	0.00	0.00	0.02	0.00	15.96	0.98	0.00	0.00	0.02	0.00
15.98	0.98	0.00	0.00	0.02	0.00	16.00	0.97	0.00	0.00	0.02	0.00
16.02	0.95	0.00	0.00	0.02	0.00	16.04	0.93	0.00	0.00	0.02	0.00
16.06	0.93	0.00	0.00	0.02	0.00	16.08	0.92	0.00	0.00	0.02	0.00
16.10	0.93	0.00	0.00	0.02	0.00	16.12	0.94	0.00	0.00	0.02	0.00
16.14	0.93	0.00	0.00	0.02	0.00	16.16	0.94	0.00	0.00	0.02	0.00
16.18	0.95	0.00	0.00	0.02	0.00	16.20	0.94	0.00	0.00	0.02	0.00
16.22	0.93	0.00	0.00	0.02	0.00	16.24	0.93	0.00	0.00	0.02	0.00
16.26	0.95	0.00	0.00	0.02	0.00	16.28	0.97	0.00	0.00	0.02	0.00
16.30	1.01	0.00	0.00	0.02	0.00	16.32	1.03	0.00	0.00	0.02	0.00
16.34	1.06	0.00	0.00	0.02	0.00	16.36	1.06	0.00	0.00	0.02	0.00
16.38	1.05	0.00	0.00	0.02	0.00	16.40	1.03	0.00	0.00	0.02	0.00
16.42	1.01	0.00	0.00	0.02	0.00	16.44	1.01	0.00	0.00	0.02	0.00
16.46	1.01	0.00	0.00	0.02	0.00	16.48	1.02	0.00	0.00	0.02	0.00
16.50	1.01	0.00	0.00	0.02	0.00	16.52	1.00	0.00	0.00	0.02	0.00
16.54	1.00	0.00	0.00	0.02	0.00	16.56	1.00	0.00	0.00	0.02	0.00
16.58	1.00	0.00	0.00	0.02	0.00	16.60	0.99	0.00	0.00	0.02	0.00
16.62	0.98	0.00	0.00	0.02	0.00	16.64	0.97	0.00	0.00	0.02	0.00
16.66	0.97	0.00	0.00	0.02	0.00	16.68	0.98	0.00	0.00	0.02	0.00
16.70	1.02	0.00	0.00	0.02	0.00	16.72	1.04	0.00	0.00	0.02	0.00
16.74	1.05	0.00	0.00	0.02	0.00	16.76	1.07	0.00	0.00	0.02	0.00
16.78	1.10	0.00	0.00	0.02	0.00	16.80	1.11	0.00	0.00	0.02	0.00
16.82	1.11	0.00	0.00	0.02	0.00	16.84	1.10	0.00	0.00	0.02	0.00
16.86	1.09	0.00	0.00	0.02	0.00	16.88	1.07	0.00	0.00	0.02	0.00
16.90	1.05	0.00	0.00	0.02	0.00	16.92	1.02	0.00	0.00	0.02	0.00
16.94	0.97	0.00	0.00	0.02	0.00	16.96	0.95	0.00	0.00	0.02	0.00
16.98	0.94	0.00	0.00	0.02	0.00	17.00	0.94	0.00	0.00	0.02	0.00
17.02	0.94	0.00	0.00	0.02	0.00	17.04	0.93	0.00	0.00	0.02	0.00
17.06	0.92	0.00	0.00	0.02	0.00	17.08	0.92	0.00	0.00	0.02	0.00
17.10	1.08	0.00	0.00	0.02	0.00	17.12	1.09	0.00	0.00	0.02	0.00
17.14	1.00	0.00	0.00	0.02	0.00	17.16	0.93	0.00	0.00	0.02	0.00
17.18	0.88	0.00	0.00	0.02	0.00	17.20	1.00	0.00	0.00	0.02	0.00
17.22	1.16	0.00	0.00	0.02	0.00	17.24	1.17	0.00	0.00	0.02	0.00
17.26	1.01	0.00	0.00	0.02	0.00	17.28	0.96	0.00	0.00	0.02	0.00
17.30	0.89	0.00	0.00	0.02	0.00	17.32	0.93	0.00	0.00	0.02	0.00
17.34	0.95	0.00	0.00	0.02	0.00	17.36	0.97	0.00	0.00	0.02	0.00
17.38	0.98	0.00	0.00	0.02	0.00	17.40	0.98	0.00	0.00	0.02	0.00
17.42	0.95	0.00	0.00	0.02	0.00	17.44	1.00	0.00	0.00	0.02	0.00
17.46	0.99	0.00	0.00	0.02	0.00	17.48	0.98	0.00	0.00	0.02	0.00
17.50	0.99	0.00	0.00	0.02	0.00	17.52	0.94	0.00	0.00	0.02	0.00
17.54	0.93	0.00	0.00	0.02	0.00	17.56	0.97	0.00	0.00	0.02	0.00
17.58	0.96	0.00	0.00	0.02	0.00	17.60	0.97	0.00	0.00	0.02	0.00
17.62	1.01	0.00	0.00	0.02	0.00	17.64	1.03	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	1.01	0.00	0.00	0.02	0.00	17.68	1.03	0.00	0.00	0.02	0.00
17.70	1.03	0.00	0.00	0.02	0.00	17.72	1.00	0.00	0.00	0.02	0.00
17.74	1.00	0.00	0.00	0.02	0.00	17.76	1.04	0.00	0.00	0.02	0.00
17.78	1.05	0.00	0.00	0.02	0.00	17.80	1.04	0.00	0.00	0.02	0.00
17.82	1.07	0.00	0.00	0.02	0.00	17.84	1.13	0.00	0.00	0.02	0.00
17.86	1.50	0.00	0.00	0.02	0.00	17.88	1.46	0.00	0.00	0.02	0.00
17.90	1.97	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	1.91	0.00	0.00	0.02	0.00	18.12	1.86	0.00	0.00	0.02	0.00
18.14	1.80	0.00	0.00	0.02	0.00	18.16	1.84	0.00	0.00	0.02	0.00
18.18	1.84	0.00	0.00	0.02	0.00	18.20	1.90	0.00	0.00	0.02	0.00
18.22	1.89	0.00	0.00	0.02	0.00	18.24	1.81	0.00	0.00	0.02	0.00
18.26	1.81	0.00	0.00	0.02	0.00	18.28	1.69	0.00	0.00	0.02	0.00
18.30	1.57	0.00	0.00	0.02	0.00	18.32	1.43	0.00	0.00	0.02	0.00
18.34	1.32	0.00	0.00	0.02	0.00	18.36	1.24	0.00	0.00	0.02	0.00
18.38	1.12	0.00	0.00	0.02	0.00	18.40	1.17	0.00	0.00	0.02	0.00
18.42	1.19	0.00	0.00	0.02	0.00	18.44	1.26	0.00	0.00	0.02	0.00
18.46	1.24	0.00	0.00	0.02	0.00	18.48	1.30	0.00	0.00	0.02	0.00
18.50	1.34	0.00	0.00	0.02	0.00	18.52	1.40	0.00	0.00	0.02	0.00
18.54	1.44	0.00	0.00	0.02	0.00	18.56	1.47	0.00	0.00	0.02	0.00
18.58	1.50	0.00	0.00	0.02	0.00	18.60	1.57	0.00	0.00	0.02	0.00
18.62	1.56	0.00	0.00	0.02	0.00	18.64	1.63	0.00	0.00	0.02	0.00
18.66	1.69	0.00	0.00	0.02	0.00	18.68	1.74	0.00	0.00	0.02	0.00
18.70	1.79	0.00	0.00	0.02	0.00	18.72	1.88	0.00	0.00	0.02	0.00
18.74	1.97	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	1.97	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	1.99	0.00	0.00	0.02	0.00	18.84	1.94	0.00	0.00	0.02	0.00
18.86	1.88	0.00	0.00	0.02	0.00	18.88	1.77	0.00	0.00	0.02	0.00
18.90	1.73	0.00	0.00	0.02	0.00	18.92	1.71	0.00	0.00	0.02	0.00
18.94	1.62	0.00	0.00	0.02	0.00	18.96	1.43	0.00	0.00	0.02	0.00
18.98	1.33	0.00	0.00	0.02	0.00	19.00	1.25	0.00	0.00	0.02	0.00
19.02	1.23	0.00	0.00	0.02	0.00	19.04	1.19	0.00	0.00	0.02	0.00
19.06	1.17	0.00	0.00	0.02	0.00	19.08	1.17	0.00	0.00	0.02	0.00
19.10	1.16	0.00	0.00	0.02	0.00	19.12	1.35	0.00	0.00	0.02	0.00
19.14	1.13	0.00	0.00	0.02	0.00	19.16	1.14	0.00	0.00	0.02	0.00
19.18	1.19	0.00	0.00	0.02	0.00	19.20	1.22	0.00	0.00	0.02	0.00
19.22	1.26	0.00	0.00	0.02	0.00	19.24	1.30	0.00	0.00	0.02	0.00
19.26	1.35	0.00	0.00	0.02	0.00	19.28	1.43	0.00	0.00	0.02	0.00
19.30	1.51	0.00	0.00	0.02	0.00	19.32	1.61	0.00	0.00	0.02	0.00
19.34	1.69	0.00	0.00	0.02	0.00	19.36	1.91	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	1.99	0.00	0.00	0.02	0.00	19.60	1.91	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.87	0.00	0.00	0.02	0.00	19.64	1.87	0.00	0.00	0.02	0.00
19.66	1.74	0.00	0.00	0.02	0.00	19.68	1.61	0.00	0.00	0.02	0.00
19.70	1.51	0.00	0.00	0.02	0.00	19.72	1.47	0.00	0.00	0.02	0.00
19.74	1.45	0.00	0.00	0.02	0.00	19.76	1.44	0.00	0.00	0.02	0.00
19.78	1.48	0.00	0.00	0.02	0.00	19.80	1.46	0.00	0.00	0.02	0.00
19.82	1.64	0.00	0.00	0.02	0.00	19.84	1.61	0.00	0.00	0.02	0.00
19.86	1.69	0.00	0.00	0.02	0.00	19.88	1.74	0.00	0.00	0.02	0.00
19.90	1.88	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

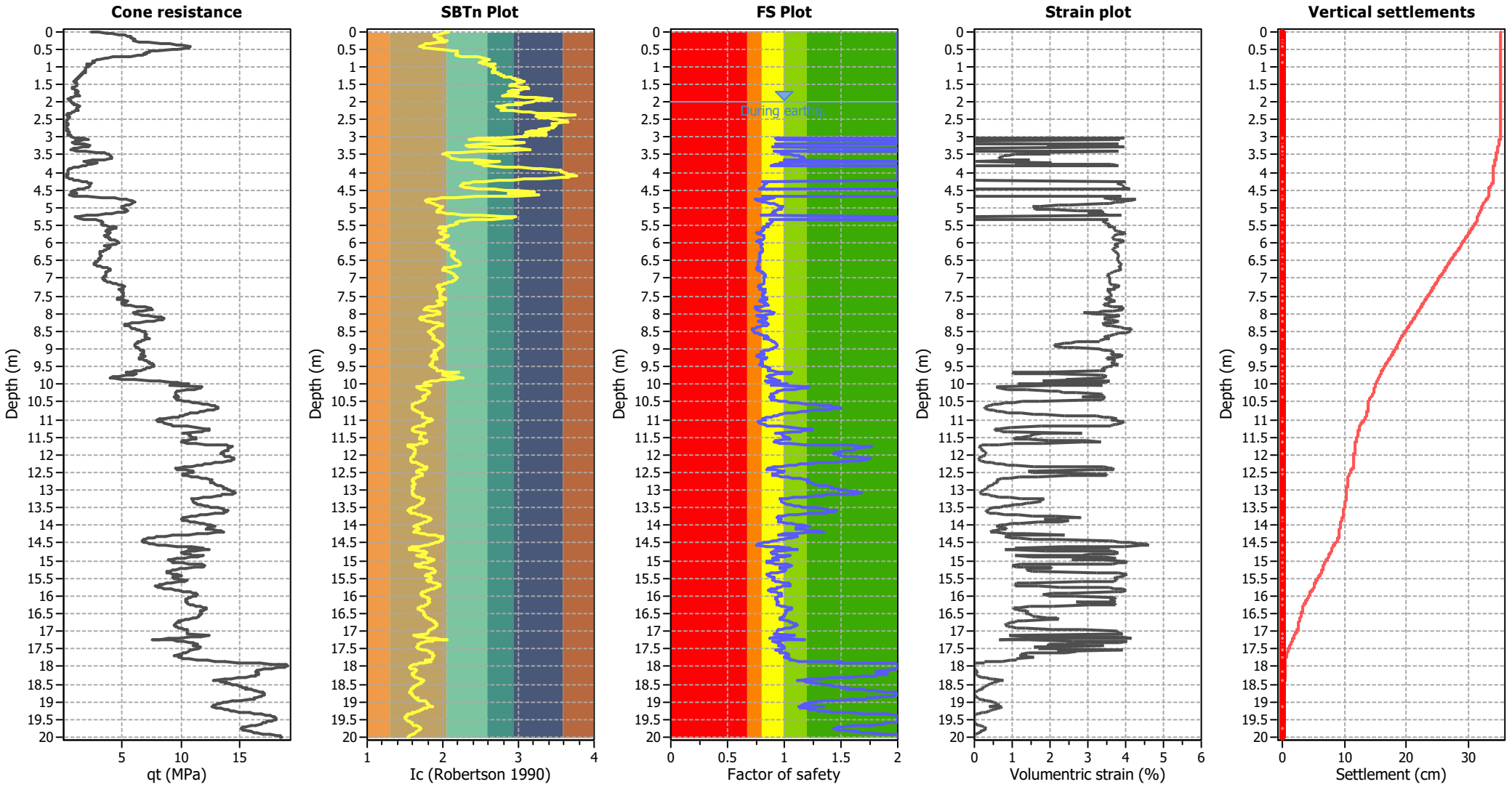
Overall liquefaction potential: 7.04

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.04	40.81	1.00	40.81	9	29052	0.11	0.000	0.00	3.58	0.00	0.000
0.04	2.07	50.02	1.38	69.11	15	37033	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.99	62.63	1.30	81.38	17	41769	0.10	0.000	0.00	3.58	0.00	0.000
0.08	2.00	68.16	1.30	88.92	18	45839	0.10	0.000	0.00	3.58	0.00	0.000
0.10	1.92	78.89	1.25	98.79	20	48337	0.10	0.000	0.00	3.58	0.00	0.000
0.12	1.89	88.46	1.23	108.74	22	51875	0.10	0.000	0.00	3.58	0.00	0.000
0.14	1.89	91.12	1.23	112.30	22	53746	0.10	0.000	0.00	3.58	0.00	0.000
0.16	1.92	95.13	1.25	118.70	24	57783	0.10	0.000	0.00	3.58	0.00	0.000
0.18	1.93	97.63	1.26	122.85	25	60514	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.98	96.12	1.29	124.12	26	63265	0.09	0.001	0.00	3.58	0.00	0.000
0.22	1.95	102.66	1.27	130.31	27	64974	0.09	0.001	0.00	3.58	0.00	0.000
0.24	2.01	100.64	1.31	132.30	28	68703	0.08	0.001	0.00	3.58	0.00	0.000
0.26	2.03	100.13	1.33	133.44	28	70085	0.08	0.001	0.00	3.58	0.00	0.000
0.28	2.05	99.45	1.35	134.59	29	71404	0.08	0.001	0.00	3.58	0.00	0.000
0.30	2.02	109.02	1.32	144.09	30	75183	0.08	0.001	0.00	3.58	0.00	0.000
0.32	1.95	120.78	1.27	153.04	31	76132	0.08	0.001	0.00	3.58	0.00	0.000
0.34	1.83	138.40	1.19	164.02	32	75523	0.08	0.001	0.00	3.58	0.00	0.000
0.36	1.78	151.14	1.12	169.75	33	76834	0.08	0.001	0.00	3.58	0.00	0.000
0.38	1.75	161.70	1.09	176.35	34	79928	0.08	0.001	0.00	3.58	0.00	0.000
0.40	1.75	168.08	1.09	182.82	35	82891	0.07	0.001	0.00	3.58	0.00	0.000
0.42	1.69	179.64	1.00	179.64	33	82057	0.07	0.001	0.00	3.58	0.00	0.000
0.44	1.72	180.98	1.03	185.92	35	85607	0.07	0.001	0.00	3.58	0.00	0.000
0.46	1.75	178.44	1.08	192.50	37	87401	0.07	0.001	0.00	3.58	0.00	0.000
0.48	1.79	175.92	1.14	200.85	39	91090	0.07	0.001	0.00	3.58	0.00	0.000
0.50	1.96	160.98	1.28	205.27	42	102992	0.07	0.001	0.00	3.58	0.00	0.000
0.52	1.98	155.42	1.29	200.32	41	101888	0.07	0.001	0.00	3.58	0.00	0.000
0.54	2.13	132.60	1.47	194.99	43	105826	0.07	0.001	0.00	3.58	0.00	0.000
0.56	2.19	122.03	1.59	194.30	44	104944	0.07	0.001	0.00	3.58	0.00	0.000
0.58	2.20	122.52	1.60	196.45	44	105989	0.07	0.001	0.00	3.58	0.00	0.000
0.60	2.20	118.81	1.61	190.88	43	102950	0.07	0.001	0.00	3.58	0.00	0.000
0.62	2.20	115.10	1.61	185.22	42	99870	0.07	0.001	0.00	3.58	0.00	0.000
0.64	2.16	119.16	1.53	182.54	41	99026	0.07	0.001	0.00	3.58	0.00	0.000
0.66	2.17	111.93	1.54	172.55	38	93559	0.07	0.001	0.00	3.58	0.00	0.000
0.68	2.17	104.87	1.55	162.30	36	87972	0.07	0.001	0.00	3.58	0.00	0.000
0.70	2.25	95.30	1.77	168.44	39	88821	0.08	0.002	0.00	3.58	0.00	0.000
0.72	2.37	83.55	2.20	184.12	45	89660	0.08	0.002	0.00	3.58	0.00	0.000
0.74	2.46	70.78	2.73	192.98	49	85738	0.09	0.002	0.00	3.58	0.00	0.000
0.76	2.53	62.05	3.21	199.49	52	82290	0.09	0.002	0.00	3.58	0.00	0.000
0.78	2.54	61.11	3.28	200.72	53	81995	0.09	0.002	0.00	3.58	0.00	0.000
0.80	2.62	50.46	3.94	199.03	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.82	2.60	48.10	3.75	180.19	49	69373	0.10	0.002	0.00	3.58	0.00	0.000
0.84	2.58	44.42	3.58	159.23	43	62530	0.10	0.003	0.00	3.58	0.00	0.000
0.86	2.54	42.53	3.27	139.01	37	56913	0.10	0.003	0.00	3.58	0.00	0.000
0.88	2.48	44.40	2.85	126.55	32	55118	0.10	0.003	0.00	3.58	0.00	0.000
0.90	2.50	42.71	2.96	126.32	33	54110	0.10	0.003	0.00	3.58	0.00	0.000
0.92	2.55	39.52	3.33	131.43	35	53389	0.10	0.003	0.00	3.58	0.00	0.000
0.94	2.68	32.46	4.55	147.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	2.60	37.53	3.79	142.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	2.66	34.44	4.26	146.69	0	0	0.10	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.63	36.30	4.02	145.77	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.02	2.67	34.50	4.41	152.16	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.04	2.70	31.70	4.71	149.44	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	2.67	32.24	4.43	142.71	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.08	2.66	31.72	4.35	137.95	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.10	2.67	31.03	4.35	135.11	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.12	2.66	31.20	4.26	132.94	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.14	2.70	29.16	4.69	136.66	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.16	2.66	31.01	4.27	132.37	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.18	2.72	27.64	4.95	136.93	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.20	2.73	27.13	5.08	137.82	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.22	2.77	25.78	5.53	142.60	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.24	2.77	25.95	5.47	142.00	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.26	2.81	24.09	5.98	143.99	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.28	2.81	24.08	6.03	145.19	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.30	2.89	21.05	7.12	149.98	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.32	2.93	20.03	7.59	152.08	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.34	2.96	19.02	8.06	153.36	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.36	2.98	18.18	8.38	152.25	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.38	2.97	18.33	8.25	151.28	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.40	3.01	16.98	9.02	153.21	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.42	3.06	15.81	9.83	155.36	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.44	3.08	15.47	10.23	158.24	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.46	3.00	17.81	8.70	154.98	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.48	2.98	18.13	8.46	153.28	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.50	2.95	18.30	8.04	147.21	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.52	2.90	19.29	7.22	139.22	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.54	2.88	19.45	6.97	135.57	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.56	2.94	17.94	7.76	139.18	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.58	3.04	15.41	9.42	145.11	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.60	3.11	13.56	10.91	147.89	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.62	3.14	13.05	11.49	149.99	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.64	3.07	14.97	10.06	150.62	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.66	3.02	16.30	9.08	147.94	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.68	2.93	18.44	7.68	141.69	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.70	2.86	20.61	6.64	136.94	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.72	2.89	19.07	7.08	135.13	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.74	2.94	17.22	7.83	134.88	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.76	2.99	16.04	8.65	138.67	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.78	2.95	17.79	7.97	141.73	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.80	2.84	21.28	6.34	134.97	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.82	2.79	22.11	5.78	127.78	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.84	2.92	17.56	7.49	131.48	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.86	3.09	13.34	10.34	137.96	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.88	3.23	10.31	13.45	138.62	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.90	3.43	7.62	18.84	143.56	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.92	3.45	7.37	19.56	144.07	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.94	3.38	8.03	17.31	139.03	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.96	3.23	10.04	13.35	134.06	0	0	0.11	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	3.19	10.53	12.44	131.06	0	0	0.11	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	10.40	2.00	0.00	1.00	0.00	2.02	13.25	2.00	0.00	1.00	0.00
2.04	15.60	2.00	0.00	1.00	0.00	2.06	14.09	2.00	0.00	1.00	0.00
2.08	16.27	2.00	0.00	1.00	0.00	2.10	19.63	2.00	0.00	1.00	0.00
2.12	22.99	2.00	0.00	1.00	0.00	2.14	23.66	2.00	0.00	1.00	0.00
2.16	22.15	2.00	0.00	1.00	0.00	2.18	20.13	2.00	0.00	1.00	0.00
2.20	19.46	2.00	0.00	1.00	0.00	2.22	20.13	2.00	0.00	1.00	0.00
2.24	22.05	2.00	0.00	1.00	0.00	2.26	17.62	2.00	0.00	1.00	0.00
2.28	14.26	2.00	0.00	1.00	0.00	2.30	12.25	2.00	0.00	1.00	0.00
2.32	10.57	2.00	0.00	1.00	0.00	2.34	6.71	2.00	0.00	1.00	0.00
2.36	5.37	2.00	0.00	1.00	0.00	2.38	4.70	2.00	0.00	1.00	0.00
2.40	7.38	2.00	0.00	1.00	0.00	2.42	9.06	2.00	0.00	1.00	0.00
2.44	7.89	2.00	0.00	1.00	0.00	2.46	6.71	2.00	0.00	1.00	0.00
2.48	6.04	2.00	0.00	1.00	0.00	2.50	5.70	2.00	0.00	1.00	0.00
2.52	4.87	2.00	0.00	1.00	0.00	2.54	4.87	2.00	0.00	1.00	0.00
2.56	4.87	2.00	0.00	1.00	0.00	2.58	5.03	2.00	0.00	1.00	0.00
2.60	5.54	2.00	0.00	1.00	0.00	2.62	5.87	2.00	0.00	1.00	0.00
2.64	5.70	2.00	0.00	1.00	0.00	2.66	5.37	2.00	0.00	1.00	0.00
2.68	5.20	2.00	0.00	1.00	0.00	2.70	5.20	2.00	0.00	1.00	0.00
2.72	5.20	2.00	0.00	1.00	0.00	2.74	5.37	2.00	0.00	1.00	0.00
2.76	6.52	2.00	0.00	1.00	0.00	2.78	5.36	2.00	0.00	1.00	0.00
2.80	5.35	2.00	0.00	1.00	0.00	2.82	5.18	2.00	0.00	1.00	0.00
2.84	6.80	2.00	0.00	1.00	0.00	2.86	8.08	2.00	0.00	1.00	0.00
2.88	8.07	2.00	0.00	1.00	0.00	2.90	6.77	2.00	0.00	1.00	0.00
2.92	6.43	2.00	0.00	1.00	0.00	2.94	6.42	2.00	0.00	1.00	0.00
2.96	10.07	2.00	0.00	1.00	0.00	2.98	9.73	2.00	0.00	1.00	0.00
3.00	10.81	2.00	0.00	1.00	0.00	3.02	15.91	2.00	0.00	1.00	0.00
3.04	81.23	0.92	3.95	1.00	0.08	3.06	87.10	0.97	2.15	1.00	0.04
3.08	83.39	0.93	3.85	1.00	0.08	3.10	21.19	2.00	0.00	1.00	0.00
3.12	16.64	2.00	0.00	1.00	0.00	3.14	14.03	2.00	0.00	1.00	0.00
3.16	12.34	2.00	0.00	1.00	0.00	3.18	16.25	2.00	0.00	1.00	0.00
3.20	84.28	0.93	3.81	1.00	0.08	3.22	89.43	0.98	1.92	1.00	0.04
3.24	88.80	0.97	2.14	1.00	0.04	3.26	86.90	0.95	3.08	1.00	0.06
3.28	81.29	0.89	3.95	1.00	0.08	3.30	18.03	2.00	0.00	1.00	0.00
3.32	13.21	2.00	0.00	1.00	0.00	3.34	10.93	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	11.82	2.00	0.00	1.00	0.00	3.38	18.20	2.00	0.00	1.00	0.00
3.40	84.51	0.91	3.80	1.00	0.08	3.42	94.78	1.02	1.33	1.00	0.03
3.44	94.49	1.01	1.38	1.00	0.03	3.46	91.10	0.97	2.00	1.00	0.04
3.48	94.26	1.00	1.44	1.00	0.03	3.50	97.93	1.05	1.10	1.00	0.02
3.52	101.21	1.09	0.90	1.00	0.02	3.54	103.79	1.12	0.78	1.00	0.02
3.56	105.13	1.14	0.73	1.00	0.01	3.58	106.89	1.17	0.67	1.00	0.01
3.60	107.23	1.17	0.66	1.00	0.01	3.62	107.67	1.18	0.65	1.00	0.01
3.64	104.76	1.13	0.77	1.00	0.02	3.66	95.35	1.00	1.47	1.00	0.03
3.68	27.66	2.00	0.00	1.00	0.00	3.70	24.82	2.00	0.00	1.00	0.00
3.72	92.60	0.96	2.05	1.00	0.04	3.74	100.08	1.05	1.06	1.00	0.02
3.76	93.18	0.97	1.96	1.00	0.04	3.78	88.72	0.92	3.62	1.00	0.07
3.80	84.79	0.88	3.79	1.00	0.08	3.82	23.97	2.00	0.00	1.00	0.00
3.84	18.30	2.00	0.00	1.00	0.00	3.86	13.15	2.00	0.00	1.00	0.00
3.88	9.82	2.00	0.00	1.00	0.00	3.90	8.50	2.00	0.00	1.00	0.00
3.92	6.29	2.00	0.00	1.00	0.00	3.94	5.99	2.00	0.00	1.00	0.00
3.96	5.98	2.00	0.00	1.00	0.00	3.98	5.82	2.00	0.00	1.00	0.00
4.00	5.37	2.00	0.00	1.00	0.00	4.02	5.22	2.00	0.00	1.00	0.00
4.04	5.21	2.00	0.00	1.00	0.00	4.06	4.76	2.00	0.00	1.00	0.00
4.08	4.17	2.00	0.00	1.00	0.00	4.10	4.60	2.00	0.00	1.00	0.00
4.12	4.74	2.00	0.00	1.00	0.00	4.14	4.73	2.00	0.00	1.00	0.00
4.16	5.16	2.00	0.00	1.00	0.00	4.18	7.32	2.00	0.00	1.00	0.00
4.20	10.29	2.00	0.00	1.00	0.00	4.22	12.94	2.00	0.00	1.00	0.00
4.24	17.25	2.00	0.00	1.00	0.00	4.26	80.33	0.81	3.99	1.00	0.08
4.28	83.13	0.83	3.86	1.00	0.08	4.30	84.07	0.84	3.82	1.00	0.08
4.32	84.81	0.85	3.79	1.00	0.08	4.34	82.48	0.83	3.89	1.00	0.08
4.36	81.80	0.82	3.92	1.00	0.08	4.38	81.75	0.82	3.93	1.00	0.08
4.40	81.83	0.82	3.92	1.00	0.08	4.42	81.30	0.81	3.95	1.00	0.08
4.44	80.74	0.81	3.97	1.00	0.08	4.46	77.99	0.78	4.11	1.00	0.08
4.48	17.65	2.00	0.00	1.00	0.00	4.50	14.74	2.00	0.00	1.00	0.00
4.52	12.79	2.00	0.00	1.00	0.00	4.54	9.62	2.00	0.00	1.00	0.00
4.56	12.89	2.00	0.00	1.00	0.00	4.58	15.86	2.00	0.00	1.00	0.00
4.60	13.26	2.00	0.00	1.00	0.00	4.62	9.42	2.00	0.00	1.00	0.00
4.64	8.17	2.00	0.00	1.00	0.00	4.66	12.53	2.00	0.00	1.00	0.00
4.68	82.49	0.81	3.89	1.00	0.08	4.70	92.71	0.90	3.47	1.00	0.07
4.72	93.56	0.91	3.44	1.00	0.07	4.74	87.71	0.85	3.67	1.00	0.07
4.76	74.74	0.75	4.28	1.00	0.09	4.78	77.73	0.77	4.12	1.00	0.08
4.80	80.16	0.79	4.00	1.00	0.08	4.82	82.13	0.80	3.91	1.00	0.08
4.84	83.50	0.81	3.85	1.00	0.08	4.86	86.14	0.83	3.73	1.00	0.07
4.88	90.14	0.87	3.57	1.00	0.07	4.90	94.06	0.91	3.42	1.00	0.07
4.92	96.42	0.93	2.50	1.00	0.05	4.94	97.25	0.94	2.24	1.00	0.04
4.96	99.60	0.97	1.73	1.00	0.03	4.98	100.82	0.98	1.55	1.00	0.03
5.00	100.27	0.97	1.64	1.00	0.03	5.02	100.79	0.98	1.57	1.00	0.03
5.04	100.49	0.98	1.62	1.00	0.03	5.06	98.30	0.95	2.05	1.00	0.04
5.08	96.24	0.92	2.73	1.00	0.05	5.10	94.67	0.91	3.40	1.00	0.07
5.12	94.51	0.90	3.40	1.00	0.07	5.14	93.59	0.89	3.44	1.00	0.07
5.16	95.85	0.92	3.00	1.00	0.06	5.18	95.27	0.91	3.38	1.00	0.07
5.20	90.70	0.86	3.55	1.00	0.07	5.22	82.80	0.79	3.88	1.00	0.08
5.24	17.18	2.00	0.00	1.00	0.00	5.26	14.18	2.00	0.00	1.00	0.00
5.28	15.97	2.00	0.00	1.00	0.00	5.30	17.22	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	23.44	2.00	0.00	1.00	0.00	5.34	91.34	0.87	3.52	1.00	0.07
5.36	94.84	0.90	3.39	1.00	0.07	5.38	94.75	0.90	3.39	1.00	0.07
5.40	93.10	0.88	3.45	1.00	0.07	5.42	93.09	0.88	3.45	1.00	0.07
5.44	91.62	0.87	3.51	1.00	0.07	5.46	89.97	0.85	3.57	1.00	0.07
5.48	89.60	0.85	3.59	1.00	0.07	5.50	90.68	0.85	3.55	1.00	0.07
5.52	91.30	0.86	3.52	1.00	0.07	5.54	90.46	0.85	3.55	1.00	0.07
5.56	87.48	0.82	3.67	1.00	0.07	5.58	85.89	0.81	3.74	1.00	0.07
5.60	87.00	0.82	3.69	1.00	0.07	5.62	87.42	0.82	3.68	1.00	0.07
5.64	86.78	0.82	3.70	1.00	0.07	5.66	85.54	0.80	3.76	1.00	0.08
5.68	84.18	0.79	3.82	1.00	0.08	5.70	82.11	0.78	3.91	1.00	0.08
5.72	80.15	0.76	4.00	1.00	0.08	5.74	81.31	0.77	3.95	1.00	0.08
5.76	84.03	0.79	3.82	1.00	0.08	5.78	86.63	0.81	3.71	1.00	0.07
5.80	87.14	0.81	3.69	1.00	0.07	5.82	87.36	0.82	3.68	1.00	0.07
5.84	87.63	0.82	3.67	1.00	0.07	5.86	88.14	0.82	3.65	1.00	0.07
5.88	87.70	0.82	3.67	1.00	0.07	5.90	86.01	0.80	3.74	1.00	0.07
5.92	82.72	0.78	3.88	1.00	0.08	5.94	80.74	0.76	3.97	1.00	0.08
5.96	81.57	0.77	3.93	1.00	0.08	5.98	83.77	0.78	3.83	1.00	0.08
6.00	84.71	0.79	3.79	1.00	0.08	6.02	85.63	0.80	3.75	1.00	0.08
6.04	87.16	0.81	3.69	1.00	0.07	6.06	84.86	0.79	3.79	1.00	0.08
6.08	84.72	0.79	3.79	1.00	0.08	6.10	84.87	0.79	3.79	1.00	0.08
6.12	86.14	0.80	3.73	1.00	0.07	6.14	87.16	0.81	3.69	1.00	0.07
6.16	87.68	0.81	3.67	1.00	0.07	6.18	87.90	0.81	3.66	1.00	0.07
6.20	87.48	0.81	3.67	1.00	0.07	6.22	87.12	0.81	3.69	1.00	0.07
6.24	86.46	0.80	3.72	1.00	0.07	6.26	86.08	0.80	3.73	1.00	0.07
6.28	85.55	0.79	3.76	1.00	0.08	6.30	84.82	0.79	3.79	1.00	0.08
6.32	84.51	0.78	3.80	1.00	0.08	6.34	84.30	0.78	3.81	1.00	0.08
6.36	84.35	0.78	3.81	1.00	0.08	6.38	84.44	0.78	3.80	1.00	0.08
6.40	84.18	0.78	3.82	1.00	0.08	6.42	84.77	0.78	3.79	1.00	0.08
6.44	85.01	0.78	3.78	1.00	0.08	6.46	84.79	0.78	3.79	1.00	0.08
6.48	84.83	0.78	3.79	1.00	0.08	6.50	84.64	0.78	3.80	1.00	0.08
6.52	84.38	0.78	3.81	1.00	0.08	6.54	83.99	0.78	3.82	1.00	0.08
6.56	83.53	0.77	3.84	1.00	0.08	6.58	83.01	0.77	3.87	1.00	0.08
6.60	82.69	0.76	3.88	1.00	0.08	6.62	82.97	0.77	3.87	1.00	0.08
6.64	83.22	0.77	3.86	1.00	0.08	6.66	83.87	0.77	3.83	1.00	0.08
6.68	84.28	0.78	3.81	1.00	0.08	6.70	82.68	0.76	3.88	1.00	0.08
6.72	83.28	0.77	3.86	1.00	0.08	6.74	82.67	0.76	3.88	1.00	0.08
6.76	83.78	0.77	3.83	1.00	0.08	6.78	85.01	0.78	3.78	1.00	0.08
6.80	86.90	0.80	3.70	1.00	0.07	6.82	88.04	0.81	3.65	1.00	0.07
6.84	88.59	0.81	3.63	1.00	0.07	6.86	89.68	0.82	3.59	1.00	0.07
6.88	90.68	0.83	3.55	1.00	0.07	6.90	91.35	0.83	3.52	1.00	0.07
6.92	91.49	0.84	3.51	1.00	0.07	6.94	91.02	0.83	3.53	1.00	0.07
6.96	90.49	0.83	3.55	1.00	0.07	6.98	90.37	0.82	3.56	1.00	0.07
7.00	89.99	0.82	3.57	1.00	0.07	7.02	89.69	0.82	3.59	1.00	0.07
7.04	89.75	0.82	3.58	1.00	0.07	7.06	89.73	0.82	3.58	1.00	0.07
7.08	89.57	0.82	3.59	1.00	0.07	7.10	89.43	0.81	3.60	1.00	0.07
7.12	89.83	0.82	3.58	1.00	0.07	7.14	90.35	0.82	3.56	1.00	0.07
7.16	89.98	0.82	3.57	1.00	0.07	7.18	87.82	0.80	3.66	1.00	0.07
7.20	85.38	0.78	3.76	1.00	0.08	7.22	83.71	0.77	3.84	1.00	0.08
7.24	83.96	0.77	3.83	1.00	0.08	7.26	86.33	0.79	3.72	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	87.85	0.80	3.66	1.00	0.07	7.30	86.23	0.79	3.73	1.00	0.07
7.32	92.09	0.84	3.49	1.00	0.07	7.34	89.17	0.81	3.61	1.00	0.07
7.36	90.63	0.82	3.55	1.00	0.07	7.38	90.98	0.83	3.53	1.00	0.07
7.40	89.52	0.81	3.59	1.00	0.07	7.42	89.82	0.82	3.58	1.00	0.07
7.44	89.25	0.81	3.60	1.00	0.07	7.46	88.50	0.80	3.63	1.00	0.07
7.48	88.77	0.81	3.62	1.00	0.07	7.50	89.04	0.81	3.61	1.00	0.07
7.52	89.94	0.82	3.58	1.00	0.07	7.54	92.05	0.84	3.49	1.00	0.07
7.56	93.01	0.85	3.46	1.00	0.07	7.58	92.47	0.84	3.48	1.00	0.07
7.60	90.54	0.82	3.55	1.00	0.07	7.62	87.86	0.80	3.66	1.00	0.07
7.64	87.18	0.79	3.69	1.00	0.07	7.66	86.55	0.79	3.71	1.00	0.07
7.68	91.34	0.83	3.52	1.00	0.07	7.70	89.55	0.81	3.59	1.00	0.07
7.72	92.11	0.84	3.49	1.00	0.07	7.74	93.47	0.85	3.44	1.00	0.07
7.76	93.92	0.85	3.42	1.00	0.07	7.78	92.27	0.84	3.49	1.00	0.07
7.80	87.64	0.80	3.67	1.00	0.07	7.82	81.46	0.75	3.94	1.00	0.08
7.84	83.64	0.76	3.84	1.00	0.08	7.86	81.36	0.75	3.94	1.00	0.08
7.88	84.55	0.77	3.80	1.00	0.08	7.90	82.07	0.75	3.91	1.00	0.08
7.92	87.66	0.80	3.67	1.00	0.07	7.94	95.06	0.87	3.38	1.00	0.07
7.96	97.98	0.90	3.28	1.00	0.07	7.98	99.02	0.91	2.88	1.00	0.06
8.00	98.42	0.90	3.18	1.00	0.06	8.02	95.22	0.87	3.38	1.00	0.07
8.04	88.99	0.81	3.61	1.00	0.07	8.06	83.37	0.76	3.85	1.00	0.08
8.08	86.66	0.79	3.71	1.00	0.07	8.10	91.43	0.83	3.52	1.00	0.07
8.12	93.45	0.85	3.44	1.00	0.07	8.14	93.68	0.85	3.43	1.00	0.07
8.16	92.01	0.84	3.49	1.00	0.07	8.18	88.87	0.81	3.62	1.00	0.07
8.20	84.60	0.77	3.80	1.00	0.08	8.22	83.95	0.77	3.83	1.00	0.08
8.24	88.24	0.80	3.64	1.00	0.07	8.26	93.52	0.85	3.44	1.00	0.07
8.28	94.48	0.86	3.40	1.00	0.07	8.30	94.15	0.86	3.42	1.00	0.07
8.32	94.02	0.86	3.42	1.00	0.07	8.34	92.99	0.85	3.46	1.00	0.07
8.36	88.79	0.81	3.62	1.00	0.07	8.38	83.65	0.77	3.84	1.00	0.08
8.40	82.63	0.76	3.89	1.00	0.08	8.42	80.99	0.75	3.96	1.00	0.08
8.44	77.33	0.72	4.14	1.00	0.08	8.46	77.17	0.72	4.15	1.00	0.08
8.48	77.67	0.72	4.12	1.00	0.08	8.50	78.22	0.73	4.10	1.00	0.08
8.52	78.12	0.72	4.10	1.00	0.08	8.54	80.31	0.74	3.99	1.00	0.08
8.56	84.41	0.77	3.81	1.00	0.08	8.58	85.98	0.78	3.74	1.00	0.07
8.60	86.62	0.79	3.71	1.00	0.07	8.62	89.66	0.82	3.59	1.00	0.07
8.64	92.28	0.84	3.48	1.00	0.07	8.66	93.72	0.85	3.43	1.00	0.07
8.68	91.68	0.84	3.51	1.00	0.07	8.70	89.49	0.82	3.59	1.00	0.07
8.72	93.11	0.85	3.45	1.00	0.07	8.74	96.51	0.88	3.33	1.00	0.07
8.76	97.01	0.89	3.31	1.00	0.07	8.78	97.63	0.90	3.29	1.00	0.07
8.80	99.23	0.91	2.69	1.00	0.05	8.82	99.59	0.92	2.55	1.00	0.05
8.84	100.08	0.92	2.38	1.00	0.05	8.86	100.73	0.93	2.19	1.00	0.04
8.88	100.98	0.94	2.12	1.00	0.04	8.90	101.03	0.94	2.11	1.00	0.04
8.92	101.00	0.94	2.11	1.00	0.04	8.94	100.13	0.93	2.35	1.00	0.05
8.96	99.74	0.92	2.47	1.00	0.05	8.98	99.17	0.92	2.67	1.00	0.05
9.00	97.46	0.90	3.30	1.00	0.07	9.02	96.74	0.89	3.32	1.00	0.07
9.04	93.89	0.86	3.42	1.00	0.07	9.06	90.19	0.82	3.57	1.00	0.07
9.08	88.08	0.81	3.65	1.00	0.07	9.10	87.43	0.80	3.68	1.00	0.07
9.12	88.31	0.81	3.64	1.00	0.07	9.14	89.21	0.82	3.60	1.00	0.07
9.16	89.24	0.82	3.60	1.00	0.07	9.18	82.72	0.76	3.88	1.00	0.08
9.20	81.47	0.75	3.94	1.00	0.08	9.22	82.33	0.76	3.90	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	86.03	0.79	3.74	1.00	0.07	9.26	91.84	0.84	3.50	1.00	0.07
9.28	91.63	0.84	3.51	1.00	0.07	9.30	88.51	0.81	3.63	1.00	0.07
9.32	86.44	0.79	3.72	1.00	0.07	9.34	87.00	0.80	3.69	1.00	0.07
9.36	87.15	0.80	3.69	1.00	0.07	9.38	87.58	0.80	3.67	1.00	0.07
9.40	88.53	0.81	3.63	1.00	0.07	9.42	85.77	0.79	3.75	1.00	0.07
9.44	84.62	0.78	3.80	1.00	0.08	9.46	88.48	0.81	3.63	1.00	0.07
9.48	88.23	0.81	3.64	1.00	0.07	9.50	90.88	0.83	3.54	1.00	0.07
9.52	93.15	0.86	3.45	1.00	0.07	9.54	94.51	0.87	3.40	1.00	0.07
9.56	95.03	0.88	3.38	1.00	0.07	9.58	93.64	0.86	3.43	1.00	0.07
9.60	92.91	0.86	3.46	1.00	0.07	9.62	96.88	0.90	3.32	1.00	0.07
9.64	101.52	0.95	1.89	1.00	0.04	9.66	107.29	1.03	1.16	1.00	0.02
9.68	109.67	1.06	0.99	1.00	0.02	9.70	108.70	1.05	1.05	1.00	0.02
9.72	100.43	0.94	2.11	1.00	0.04	9.74	96.50	0.89	3.33	1.00	0.07
9.76	94.24	0.87	3.41	1.00	0.07	9.78	91.48	0.84	3.52	1.00	0.07
9.80	92.89	0.86	3.46	1.00	0.07	9.82	94.75	0.88	3.39	1.00	0.07
9.84	95.53	0.88	3.37	1.00	0.07	9.86	99.24	0.93	2.42	1.00	0.05
9.88	97.91	0.91	2.95	1.00	0.06	9.90	101.78	0.96	1.80	1.00	0.04
9.92	89.81	0.83	3.58	1.00	0.07	9.94	93.18	0.86	3.45	1.00	0.07
9.96	98.00	0.91	2.87	1.00	0.06	9.98	102.67	0.97	1.64	1.00	0.03
10.00	107.07	1.03	1.15	1.00	0.02	10.02	95.15	0.88	3.38	1.00	0.07
10.04	100.35	0.94	2.06	1.00	0.04	10.06	117.86	1.21	0.60	1.00	0.01
10.08	118.16	1.22	0.59	1.00	0.01	10.10	116.67	1.19	0.64	1.00	0.01
10.12	115.09	1.16	0.70	1.00	0.01	10.14	111.11	1.09	0.88	1.00	0.02
10.16	104.56	1.00	1.37	1.00	0.03	10.18	100.37	0.94	2.02	1.00	0.04
10.20	99.46	0.93	2.25	1.00	0.04	10.22	99.15	0.93	2.33	1.00	0.05
10.24	98.10	0.92	2.69	1.00	0.05	10.26	96.11	0.90	3.35	1.00	0.07
10.28	95.21	0.89	3.38	1.00	0.07	10.30	95.01	0.89	3.38	1.00	0.07
10.32	95.90	0.90	3.35	1.00	0.07	10.34	97.61	0.91	2.86	1.00	0.06
10.36	96.14	0.90	3.34	1.00	0.07	10.38	93.30	0.87	3.45	1.00	0.07
10.40	94.98	0.89	3.39	1.00	0.07	10.42	94.24	0.88	3.41	1.00	0.07
10.44	94.93	0.89	3.39	1.00	0.07	10.46	97.01	0.91	3.10	1.00	0.06
10.48	101.47	0.96	1.74	1.00	0.03	10.50	105.04	1.01	1.28	1.00	0.03
10.52	108.31	1.06	1.02	1.00	0.02	10.54	111.98	1.11	0.81	1.00	0.02
10.56	116.23	1.19	0.63	1.00	0.01	10.58	120.28	1.27	0.50	1.00	0.01
10.60	123.24	1.34	0.41	1.00	0.01	10.62	126.01	1.41	0.34	1.00	0.01
10.64	126.90	1.44	0.32	1.00	0.01	10.66	128.37	1.48	0.28	1.00	0.01
10.68	128.87	1.49	0.27	1.00	0.01	10.70	126.81	1.44	0.32	1.00	0.01
10.72	124.15	1.37	0.39	1.00	0.01	10.74	119.93	1.27	0.50	1.00	0.01
10.76	116.10	1.19	0.63	1.00	0.01	10.78	113.75	1.15	0.72	1.00	0.01
10.80	110.33	1.09	0.88	1.00	0.02	10.82	105.24	1.02	1.22	1.00	0.02
10.84	102.11	0.98	1.57	1.00	0.03	10.86	100.36	0.96	1.85	1.00	0.04
10.88	98.23	0.93	2.38	1.00	0.05	10.90	96.29	0.91	3.22	1.00	0.06
10.92	94.25	0.89	3.41	1.00	0.07	10.94	89.88	0.85	3.58	1.00	0.07
10.96	84.82	0.80	3.79	1.00	0.08	10.98	85.93	0.81	3.74	1.00	0.07
11.00	88.46	0.83	3.63	1.00	0.07	11.02	85.79	0.81	3.75	1.00	0.07
11.04	82.33	0.78	3.90	1.00	0.08	11.06	81.43	0.78	3.94	1.00	0.08
11.08	81.19	0.77	3.95	1.00	0.08	11.10	82.41	0.78	3.90	1.00	0.08
11.12	82.33	0.78	3.90	1.00	0.08	11.14	86.14	0.82	3.73	1.00	0.07
11.16	87.53	0.83	3.67	1.00	0.07	11.18	88.91	0.84	3.62	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	100.40	0.96	1.77	1.00	0.04	11.22	107.81	1.06	0.99	1.00	0.02
11.24	108.22	1.07	0.97	1.00	0.02	11.26	114.46	1.17	0.67	1.00	0.01
11.28	118.37	1.25	0.53	1.00	0.01	11.30	117.79	1.24	0.55	1.00	0.01
11.32	114.20	1.17	0.68	1.00	0.01	11.34	112.66	1.14	0.74	1.00	0.01
11.36	109.18	1.09	0.90	1.00	0.02	11.38	96.43	0.92	2.85	1.00	0.06
11.40	99.90	0.96	1.81	1.00	0.04	11.42	101.95	0.99	1.49	1.00	0.03
11.44	101.58	0.98	1.54	1.00	0.03	11.46	101.99	0.99	1.48	1.00	0.03
11.48	102.58	1.00	1.40	1.00	0.03	11.50	104.44	1.02	1.22	1.00	0.02
11.52	106.10	1.04	1.08	1.00	0.02	11.54	106.69	1.05	1.04	1.00	0.02
11.56	102.45	1.00	1.41	1.00	0.03	11.58	98.91	0.95	1.96	1.00	0.04
11.60	95.90	0.92	2.96	1.00	0.06	11.62	95.21	0.91	3.34	1.00	0.07
11.64	96.11	0.92	2.83	1.00	0.06	11.66	99.55	0.96	1.81	1.00	0.04
11.68	106.40	1.05	1.04	1.00	0.02	11.70	114.33	1.18	0.65	1.00	0.01
11.72	123.71	1.38	0.37	1.00	0.01	11.74	130.79	1.59	0.20	1.00	0.00
11.76	133.02	1.66	0.16	1.00	0.00	11.78	135.83	1.77	0.10	1.00	0.00
11.80	133.03	1.67	0.16	1.00	0.00	11.82	131.77	1.62	0.18	1.00	0.00
11.84	131.97	1.63	0.18	1.00	0.00	11.86	131.88	1.63	0.18	1.00	0.00
11.88	130.72	1.59	0.20	1.00	0.00	11.90	128.41	1.52	0.25	1.00	0.01
11.92	126.87	1.48	0.29	1.00	0.01	11.94	125.71	1.44	0.31	1.00	0.01
11.96	125.43	1.44	0.32	1.00	0.01	11.98	127.17	1.49	0.28	1.00	0.01
12.00	126.60	1.47	0.29	1.00	0.01	12.02	127.19	1.49	0.28	1.00	0.01
12.04	128.45	1.53	0.25	1.00	0.00	12.06	131.25	1.62	0.19	1.00	0.00
12.08	134.15	1.72	0.13	1.00	0.00	12.10	135.02	1.75	0.11	1.00	0.00
12.12	134.54	1.73	0.12	1.00	0.00	12.14	134.07	1.72	0.13	1.00	0.00
12.16	132.24	1.65	0.16	1.00	0.00	12.18	129.94	1.58	0.21	1.00	0.00
12.20	125.62	1.45	0.31	1.00	0.01	12.22	119.59	1.30	0.46	1.00	0.01
12.24	115.58	1.22	0.58	1.00	0.01	12.26	111.19	1.14	0.74	1.00	0.01
12.28	108.34	1.10	0.87	1.00	0.02	12.30	104.65	1.04	1.09	1.00	0.02
12.32	99.81	0.98	1.59	1.00	0.03	12.34	93.84	0.91	3.43	1.00	0.07
12.36	89.72	0.87	3.58	1.00	0.07	12.38	87.99	0.86	3.65	1.00	0.07
12.40	87.52	0.85	3.67	1.00	0.07	12.42	89.52	0.87	3.59	1.00	0.07
12.44	94.26	0.92	3.18	1.00	0.06	12.46	99.30	0.98	1.63	1.00	0.03
12.48	100.93	1.00	1.41	1.00	0.03	12.50	99.91	0.99	1.53	1.00	0.03
12.52	96.73	0.95	2.14	1.00	0.04	12.54	94.01	0.92	3.24	1.00	0.06
12.56	91.58	0.89	3.51	1.00	0.07	12.58	92.17	0.90	3.49	1.00	0.07
12.60	95.50	0.94	2.48	1.00	0.05	12.62	98.73	0.97	1.68	1.00	0.03
12.64	102.90	1.03	1.19	1.00	0.02	12.66	106.42	1.08	0.94	1.00	0.02
12.68	110.70	1.15	0.73	1.00	0.01	12.70	113.47	1.19	0.62	1.00	0.01
12.72	114.34	1.21	0.59	1.00	0.01	12.74	113.70	1.20	0.61	1.00	0.01
12.76	113.62	1.20	0.62	1.00	0.01	12.78	113.73	1.20	0.61	1.00	0.01
12.80	115.83	1.24	0.54	1.00	0.01	12.82	116.79	1.26	0.51	1.00	0.01
12.84	116.71	1.26	0.51	1.00	0.01	12.86	118.62	1.30	0.46	1.00	0.01
12.88	121.39	1.37	0.38	1.00	0.01	12.90	123.58	1.42	0.33	1.00	0.01
12.92	123.03	1.41	0.34	1.00	0.01	12.94	123.04	1.41	0.34	1.00	0.01
12.96	124.95	1.46	0.30	1.00	0.01	12.98	126.10	1.49	0.27	1.00	0.01
13.00	127.63	1.54	0.24	1.00	0.00	13.02	129.35	1.59	0.20	1.00	0.00
13.04	130.97	1.64	0.17	1.00	0.00	13.06	132.12	1.69	0.14	1.00	0.00
13.08	131.37	1.66	0.16	1.00	0.00	13.10	129.67	1.60	0.19	1.00	0.00
13.12	123.05	1.42	0.34	1.00	0.01	13.14	121.45	1.38	0.37	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	119.48	1.33	0.42	1.00	0.01	13.18	117.04	1.28	0.49	1.00	0.01
13.20	111.50	1.17	0.66	1.00	0.01	13.22	105.70	1.08	0.92	1.00	0.02
13.24	101.51	1.02	1.21	1.00	0.02	13.26	96.69	0.97	1.85	1.00	0.04
13.28	97.09	0.97	1.77	1.00	0.04	13.30	97.57	0.98	1.68	1.00	0.03
13.32	97.04	0.97	1.77	1.00	0.04	13.34	97.15	0.97	1.74	1.00	0.03
13.36	98.94	1.00	1.46	1.00	0.03	13.38	99.61	1.00	1.38	1.00	0.03
13.40	100.94	1.02	1.24	1.00	0.02	13.42	102.91	1.05	1.08	1.00	0.02
13.44	105.92	1.09	0.89	1.00	0.02	13.46	108.28	1.13	0.77	1.00	0.02
13.48	110.35	1.16	0.69	1.00	0.01	13.50	116.18	1.27	0.50	1.00	0.01
13.52	120.70	1.37	0.38	1.00	0.01	13.54	120.34	1.36	0.38	1.00	0.01
13.56	120.83	1.38	0.37	1.00	0.01	13.58	124.32	1.47	0.29	1.00	0.01
13.60	123.12	1.44	0.32	1.00	0.01	13.62	121.07	1.38	0.36	1.00	0.01
13.64	120.33	1.37	0.38	1.00	0.01	13.66	113.51	1.23	0.57	1.00	0.01
13.68	106.92	1.11	0.82	1.00	0.02	13.70	101.45	1.04	1.15	1.00	0.02
13.72	97.79	0.99	1.53	1.00	0.03	13.74	94.60	0.95	2.15	1.00	0.04
13.76	92.78	0.93	2.81	1.00	0.06	13.78	92.72	0.93	2.82	1.00	0.06
13.80	93.88	0.95	2.33	1.00	0.05	13.82	94.47	0.95	2.14	1.00	0.04
13.84	95.68	0.97	1.85	1.00	0.04	13.86	94.99	0.96	1.99	1.00	0.04
13.88	93.30	0.94	2.49	1.00	0.05	13.90	93.86	0.95	2.28	1.00	0.05
13.92	96.27	0.98	1.70	1.00	0.03	13.94	100.51	1.03	1.18	1.00	0.02
13.96	103.20	1.07	0.99	1.00	0.02	13.98	106.19	1.11	0.82	1.00	0.02
14.00	108.80	1.15	0.71	1.00	0.01	14.02	112.16	1.21	0.59	1.00	0.01
14.04	110.97	1.19	0.63	1.00	0.01	14.06	107.01	1.13	0.78	1.00	0.02
14.08	105.65	1.11	0.84	1.00	0.02	14.10	105.21	1.10	0.86	1.00	0.02
14.12	109.29	1.17	0.68	1.00	0.01	14.14	113.57	1.24	0.54	1.00	0.01
14.16	115.82	1.29	0.47	1.00	0.01	14.18	118.25	1.34	0.41	1.00	0.01
14.20	112.42	1.22	0.57	1.00	0.01	14.22	105.43	1.11	0.83	1.00	0.02
14.24	97.93	1.01	1.38	1.00	0.03	14.26	92.85	0.95	2.39	1.00	0.05
14.28	102.49	1.07	0.99	1.00	0.02	14.30	105.33	1.11	0.83	1.00	0.02
14.32	105.63	1.11	0.81	1.00	0.02	14.34	102.43	1.07	0.98	1.00	0.02
14.36	99.98	1.04	1.16	1.00	0.02	14.38	96.48	0.99	1.53	1.00	0.03
14.40	93.31	0.96	2.16	1.00	0.04	14.42	89.98	0.92	3.57	1.00	0.07
14.44	88.00	0.90	3.65	1.00	0.07	14.46	83.72	0.86	3.84	1.00	0.08
14.48	81.59	0.85	3.93	1.00	0.08	14.50	78.07	0.82	4.10	1.00	0.08
14.52	73.60	0.78	4.34	1.00	0.09	14.54	70.83	0.76	4.50	1.00	0.09
14.56	68.75	0.75	4.63	1.00	0.09	14.58	72.24	0.78	4.42	1.00	0.09
14.60	80.91	0.84	3.97	1.00	0.08	14.62	92.38	0.95	2.34	1.00	0.05
14.64	100.49	1.05	1.08	1.00	0.02	14.66	89.82	0.93	3.58	1.00	0.07
14.68	104.84	1.11	0.82	1.00	0.02	14.70	101.76	1.07	0.98	1.00	0.02
14.72	93.80	0.97	1.90	1.00	0.04	14.74	88.24	0.91	3.64	1.00	0.07
14.76	85.18	0.88	3.77	1.00	0.08	14.78	84.59	0.88	3.80	1.00	0.08
14.80	85.87	0.89	3.74	1.00	0.07	14.82	90.42	0.94	3.07	1.00	0.06
14.84	90.81	0.94	2.83	1.00	0.06	14.86	99.79	1.05	1.10	1.00	0.02
14.88	95.67	1.00	1.51	1.00	0.03	14.90	89.75	0.93	3.44	1.00	0.07
14.92	86.11	0.90	3.73	1.00	0.07	14.94	86.46	0.90	3.72	1.00	0.07
14.96	91.14	0.95	2.57	1.00	0.05	14.98	89.63	0.93	3.42	1.00	0.07
15.00	82.88	0.87	3.87	1.00	0.08	15.02	79.91	0.84	4.01	1.00	0.08
15.04	79.46	0.84	4.04	1.00	0.08	15.06	84.07	0.88	3.82	1.00	0.08
15.08	87.94	0.92	3.66	1.00	0.07	15.10	97.59	1.03	1.24	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	100.67	1.07	1.00	1.00	0.02	15.14	100.61	1.07	1.00	1.00	0.02
15.16	98.75	1.04	1.13	1.00	0.02	15.18	96.62	1.02	1.32	1.00	0.03
15.20	92.26	0.97	2.04	1.00	0.04	15.22	92.25	0.97	2.03	1.00	0.04
15.24	95.97	1.01	1.38	1.00	0.03	15.26	95.81	1.01	1.39	1.00	0.03
15.28	95.96	1.01	1.37	1.00	0.03	15.30	94.72	1.00	1.52	1.00	0.03
15.32	93.64	0.98	1.69	1.00	0.03	15.34	89.19	0.94	3.24	1.00	0.06
15.36	84.21	0.89	3.81	1.00	0.08	15.38	80.57	0.86	3.98	1.00	0.08
15.40	79.33	0.85	4.04	1.00	0.08	15.42	81.64	0.87	3.93	1.00	0.08
15.44	81.01	0.86	3.96	1.00	0.08	15.46	84.44	0.89	3.80	1.00	0.08
15.48	86.56	0.91	3.71	1.00	0.07	15.50	86.65	0.92	3.71	1.00	0.07
15.52	85.48	0.91	3.76	1.00	0.08	15.54	84.96	0.90	3.78	1.00	0.08
15.56	86.17	0.91	3.73	1.00	0.07	15.58	87.12	0.92	3.69	1.00	0.07
15.60	89.35	0.95	2.83	1.00	0.06	15.62	94.38	1.00	1.47	1.00	0.03
15.64	97.81	1.04	1.12	1.00	0.02	15.66	98.33	1.05	1.07	1.00	0.02
15.68	98.43	1.05	1.06	1.00	0.02	15.70	98.44	1.05	1.06	1.00	0.02
15.72	92.80	0.99	1.69	1.00	0.03	15.74	90.37	0.96	2.28	1.00	0.05
15.76	87.95	0.94	3.58	1.00	0.07	15.78	87.40	0.93	3.68	1.00	0.07
15.80	81.87	0.88	3.92	1.00	0.08	15.82	79.85	0.86	4.02	1.00	0.08
15.84	79.82	0.86	4.02	1.00	0.08	15.86	81.80	0.88	3.92	1.00	0.08
15.88	84.57	0.91	3.80	1.00	0.08	15.90	86.71	0.93	3.71	1.00	0.07
15.92	89.39	0.95	2.51	1.00	0.05	15.94	90.65	0.97	2.07	1.00	0.04
15.96	91.66	0.98	1.81	1.00	0.04	15.98	91.33	0.98	1.87	1.00	0.04
16.00	90.83	0.97	1.98	1.00	0.04	16.02	88.84	0.95	2.67	1.00	0.05
16.04	86.81	0.93	3.70	1.00	0.07	16.06	86.39	0.93	3.72	1.00	0.07
16.08	85.96	0.92	3.74	1.00	0.07	16.10	86.94	0.93	3.70	1.00	0.07
16.12	87.26	0.94	3.56	1.00	0.07	16.14	86.38	0.93	3.72	1.00	0.07
16.16	86.80	0.94	3.70	1.00	0.07	16.18	88.44	0.95	2.70	1.00	0.05
16.20	87.41	0.94	3.30	1.00	0.07	16.22	86.47	0.93	3.72	1.00	0.07
16.24	86.40	0.93	3.72	1.00	0.07	16.26	87.69	0.95	3.02	1.00	0.06
16.28	89.92	0.97	2.07	1.00	0.04	16.30	93.03	1.01	1.45	1.00	0.03
16.32	95.47	1.03	1.18	1.00	0.02	16.34	97.34	1.06	1.03	1.00	0.02
16.36	97.28	1.06	1.03	1.00	0.02	16.38	96.17	1.05	1.11	1.00	0.02
16.40	94.70	1.03	1.24	1.00	0.02	16.42	93.38	1.01	1.37	1.00	0.03
16.44	93.06	1.01	1.41	1.00	0.03	16.46	93.00	1.01	1.41	1.00	0.03
16.48	93.47	1.02	1.35	1.00	0.03	16.50	92.79	1.01	1.42	1.00	0.03
16.52	92.30	1.00	1.48	1.00	0.03	16.54	92.16	1.00	1.50	1.00	0.03
16.56	91.81	1.00	1.54	1.00	0.03	16.58	91.76	1.00	1.54	1.00	0.03
16.60	91.18	0.99	1.63	1.00	0.03	16.62	89.69	0.98	1.93	1.00	0.04
16.64	88.66	0.97	2.21	1.00	0.04	16.66	88.58	0.97	2.22	1.00	0.04
16.68	89.34	0.98	1.98	1.00	0.04	16.70	93.22	1.02	1.32	1.00	0.03
16.72	95.15	1.04	1.13	1.00	0.02	16.74	95.61	1.05	1.09	1.00	0.02
16.76	97.20	1.07	0.98	1.00	0.02	16.78	99.06	1.10	0.87	1.00	0.02
16.80	99.75	1.11	0.83	1.00	0.02	16.82	100.19	1.11	0.81	1.00	0.02
16.84	99.32	1.10	0.85	1.00	0.02	16.86	98.80	1.09	0.87	1.00	0.02
16.88	97.02	1.07	0.97	1.00	0.02	16.90	95.09	1.05	1.10	1.00	0.02
16.92	92.29	1.02	1.36	1.00	0.03	16.94	88.47	0.97	2.06	1.00	0.04
16.96	86.47	0.95	2.86	1.00	0.06	16.98	85.04	0.94	3.78	1.00	0.08
17.00	84.94	0.94	3.78	1.00	0.08	17.02	84.84	0.94	3.79	1.00	0.08
17.04	83.79	0.93	3.83	1.00	0.08	17.06	82.62	0.92	3.89	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	82.16	0.92	3.91	1.00	0.08	17.10	97.43	1.08	0.91	1.00	0.02
17.12	97.55	1.09	0.90	1.00	0.02	17.14	90.69	1.00	1.51	1.00	0.03
17.16	83.13	0.93	3.86	1.00	0.08	17.18	77.32	0.88	4.14	1.00	0.08
17.20	90.19	1.00	1.56	1.00	0.03	17.22	102.66	1.16	0.67	1.00	0.01
17.24	103.53	1.17	0.64	1.00	0.01	17.26	91.13	1.01	1.41	1.00	0.03
17.28	86.26	0.96	2.61	1.00	0.05	17.30	79.04	0.89	4.06	1.00	0.08
17.32	83.32	0.93	3.85	1.00	0.08	17.34	85.41	0.95	3.02	1.00	0.06
17.36	86.56	0.97	2.40	1.00	0.05	17.38	87.71	0.98	2.00	1.00	0.04
17.40	87.92	0.98	1.93	1.00	0.04	17.42	84.69	0.95	3.44	1.00	0.07
17.44	89.62	1.00	1.57	1.00	0.03	17.46	88.54	0.99	1.76	1.00	0.04
17.48	87.80	0.98	1.92	1.00	0.04	17.50	88.87	0.99	1.68	1.00	0.03
17.52	84.01	0.94	3.82	1.00	0.08	17.54	82.17	0.93	3.91	1.00	0.08
17.56	86.63	0.97	2.21	1.00	0.04	17.58	85.48	0.96	2.68	1.00	0.05
17.60	86.00	0.97	2.42	1.00	0.05	17.62	90.18	1.01	1.42	1.00	0.03
17.64	91.94	1.03	1.22	1.00	0.02	17.66	90.37	1.01	1.38	1.00	0.03
17.68	91.88	1.03	1.21	1.00	0.02	17.70	91.89	1.03	1.21	1.00	0.02
17.72	89.15	1.00	1.53	1.00	0.03	17.74	88.80	1.00	1.58	1.00	0.03
17.76	92.60	1.04	1.13	1.00	0.02	17.78	92.91	1.05	1.10	1.00	0.02
17.80	92.60	1.04	1.12	1.00	0.02	17.82	94.72	1.07	0.97	1.00	0.02
17.84	99.26	1.13	0.74	1.00	0.01	17.86	118.69	1.50	0.26	1.00	0.01
17.88	117.09	1.46	0.29	1.00	0.01	17.90	133.15	1.97	0.01	1.00	0.00
17.92	141.52	2.00	0.00	1.00	0.00	17.94	147.29	2.00	0.00	1.00	0.00
17.96	153.01	2.00	0.00	1.00	0.00	17.98	154.22	2.00	0.00	1.00	0.00
18.00	152.85	2.00	0.00	1.00	0.00	18.02	151.75	2.00	0.00	1.00	0.00
18.04	145.71	2.00	0.00	1.00	0.00	18.06	141.53	2.00	0.00	1.00	0.00
18.08	135.91	2.00	0.00	1.00	0.00	18.10	131.23	1.91	0.04	1.00	0.00
18.12	129.99	1.86	0.06	1.00	0.00	18.14	128.49	1.80	0.08	1.00	0.00
18.16	129.49	1.84	0.06	1.00	0.00	18.18	129.51	1.84	0.06	1.00	0.00
18.20	131.06	1.90	0.04	1.00	0.00	18.22	130.72	1.89	0.04	1.00	0.00
18.24	128.58	1.81	0.08	1.00	0.00	18.26	128.34	1.81	0.08	1.00	0.00
18.28	124.96	1.69	0.13	1.00	0.00	18.30	120.62	1.57	0.21	1.00	0.00
18.32	114.81	1.43	0.31	1.00	0.01	18.34	109.57	1.32	0.41	1.00	0.01
18.36	105.32	1.24	0.51	1.00	0.01	18.38	96.92	1.12	0.78	1.00	0.02
18.40	100.68	1.17	0.64	1.00	0.01	18.42	101.65	1.19	0.61	1.00	0.01
18.44	106.21	1.26	0.48	1.00	0.01	18.46	105.02	1.24	0.51	1.00	0.01
18.48	108.00	1.30	0.44	1.00	0.01	18.50	110.47	1.34	0.39	1.00	0.01
18.52	113.21	1.40	0.33	1.00	0.01	18.54	114.99	1.44	0.30	1.00	0.01
18.56	116.16	1.47	0.28	1.00	0.01	18.58	117.24	1.50	0.26	1.00	0.01
18.60	120.09	1.57	0.21	1.00	0.00	18.62	119.58	1.56	0.21	1.00	0.00
18.64	122.26	1.63	0.17	1.00	0.00	18.66	124.06	1.69	0.14	1.00	0.00
18.68	125.68	1.74	0.11	1.00	0.00	18.70	127.30	1.79	0.08	1.00	0.00
18.72	129.74	1.88	0.05	1.00	0.00	18.74	131.90	1.97	0.01	1.00	0.00
18.76	132.82	2.00	0.00	1.00	0.00	18.78	131.86	1.97	0.01	1.00	0.00
18.80	132.50	2.00	0.00	1.00	0.00	18.82	132.25	1.99	0.00	1.00	0.00
18.84	131.11	1.94	0.02	1.00	0.00	18.86	129.52	1.88	0.05	1.00	0.00
18.88	126.34	1.77	0.09	1.00	0.00	18.90	124.94	1.73	0.12	1.00	0.00
18.92	124.52	1.71	0.12	1.00	0.00	18.94	121.27	1.62	0.18	1.00	0.00
18.96	113.66	1.43	0.31	1.00	0.01	18.98	108.65	1.33	0.40	1.00	0.01
19.00	104.23	1.25	0.50	1.00	0.01	19.02	102.63	1.23	0.53	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	100.48	1.19	0.59	1.00	0.01	19.06	99.20	1.17	0.63	1.00	0.01
19.08	98.53	1.17	0.65	1.00	0.01	19.10	97.83	1.16	0.67	1.00	0.01
19.12	109.36	1.35	0.38	1.00	0.01	19.14	95.83	1.13	0.73	1.00	0.01
19.16	96.84	1.14	0.69	1.00	0.01	19.18	99.78	1.19	0.60	1.00	0.01
19.20	102.16	1.22	0.53	1.00	0.01	19.22	104.54	1.26	0.48	1.00	0.01
19.24	106.63	1.30	0.43	1.00	0.01	19.26	109.25	1.35	0.38	1.00	0.01
19.28	113.09	1.43	0.30	1.00	0.01	19.30	116.60	1.51	0.24	1.00	0.00
19.32	120.21	1.61	0.18	1.00	0.00	19.34	123.14	1.69	0.13	1.00	0.00
19.36	129.53	1.91	0.03	1.00	0.00	19.38	132.31	2.00	0.00	1.00	0.00
19.40	135.28	2.00	0.00	1.00	0.00	19.42	137.72	2.00	0.00	1.00	0.00
19.44	138.55	2.00	0.00	1.00	0.00	19.46	139.65	2.00	0.00	1.00	0.00
19.48	139.50	2.00	0.00	1.00	0.00	19.50	138.98	2.00	0.00	1.00	0.00
19.52	137.84	2.00	0.00	1.00	0.00	19.54	135.89	2.00	0.00	1.00	0.00
19.56	132.79	2.00	0.00	1.00	0.00	19.58	131.30	1.99	0.00	1.00	0.00
19.60	129.19	1.91	0.03	1.00	0.00	19.62	127.98	1.87	0.05	1.00	0.00
19.64	128.00	1.87	0.05	1.00	0.00	19.66	124.23	1.74	0.11	1.00	0.00
19.68	119.87	1.61	0.18	1.00	0.00	19.70	115.80	1.51	0.24	1.00	0.00
19.72	114.18	1.47	0.27	1.00	0.01	19.74	112.91	1.45	0.29	1.00	0.01
19.76	112.59	1.44	0.29	1.00	0.01	19.78	114.51	1.48	0.26	1.00	0.01
19.80	113.24	1.46	0.28	1.00	0.01	19.82	120.48	1.64	0.16	1.00	0.00
19.84	119.45	1.61	0.18	1.00	0.00	19.86	122.27	1.69	0.13	1.00	0.00
19.88	123.87	1.74	0.11	1.00	0.00	19.90	127.85	1.88	0.05	1.00	0.00
19.92	133.27	2.00	0.00	1.00	0.00	19.94	138.82	2.00	0.00	1.00	0.00
19.96	140.90	2.00	0.00	1.00	0.00	19.98	141.85	2.00	0.00	1.00	0.00
20.00	141.87	2.00	0.00	1.00	0.00						

Total estimated settlement: 35.12

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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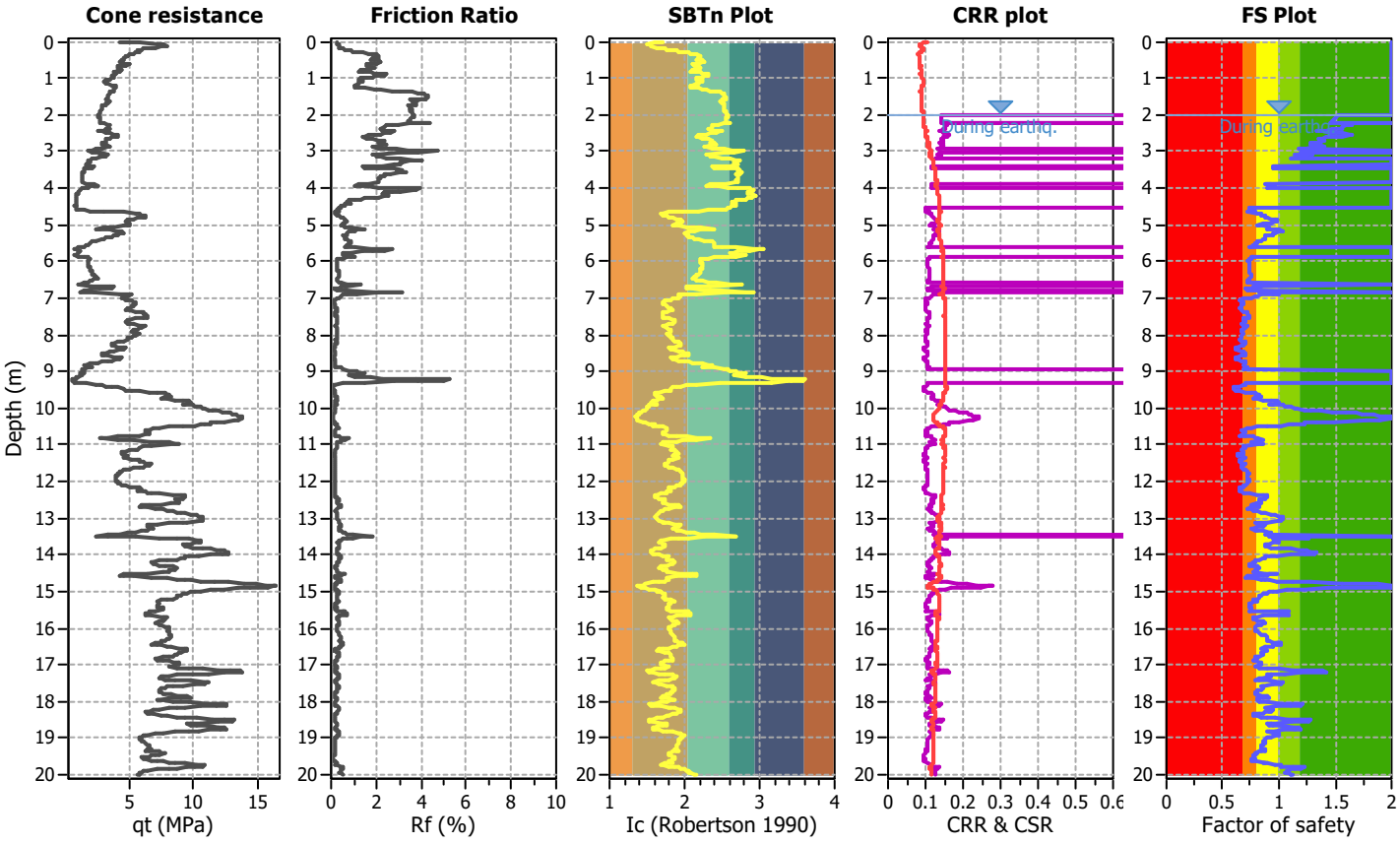
LIQUEFACTION ANALYSIS REPORT

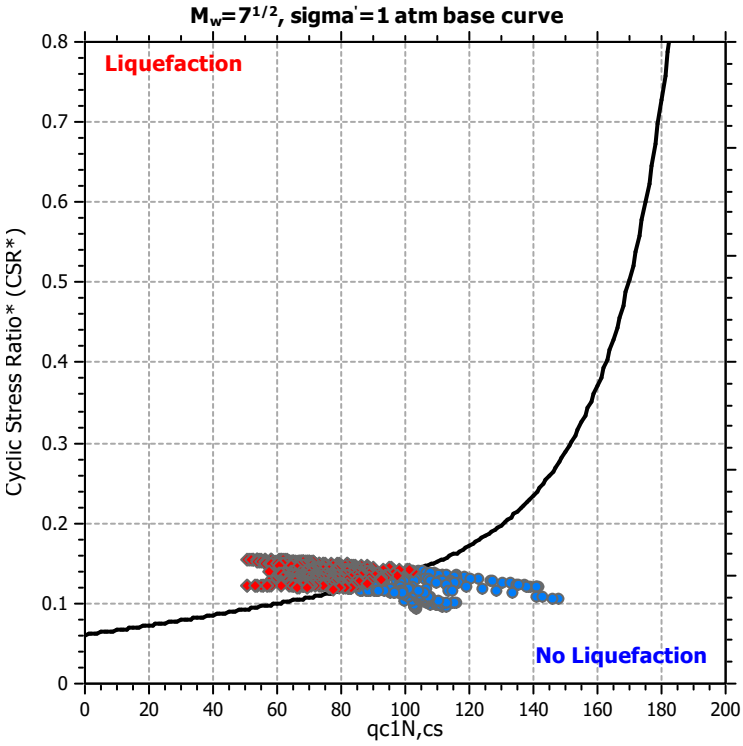
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

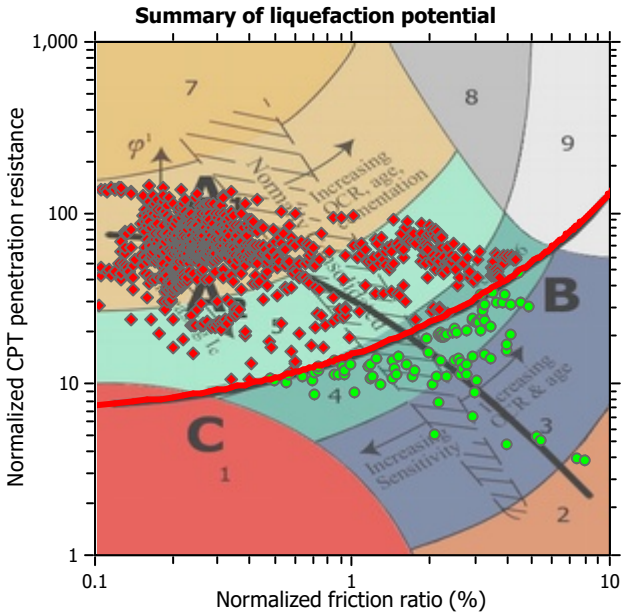
CPT file : P127

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

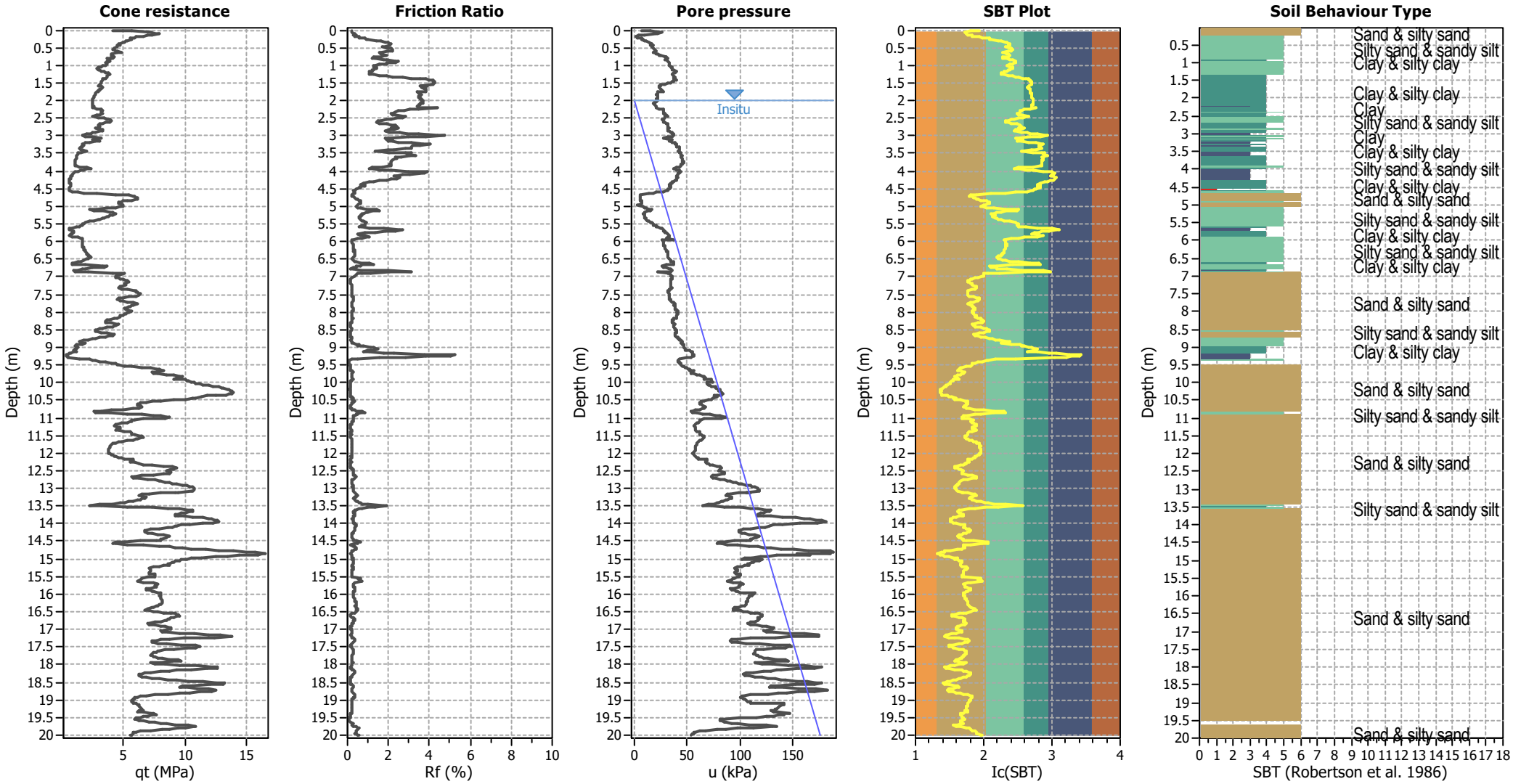






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



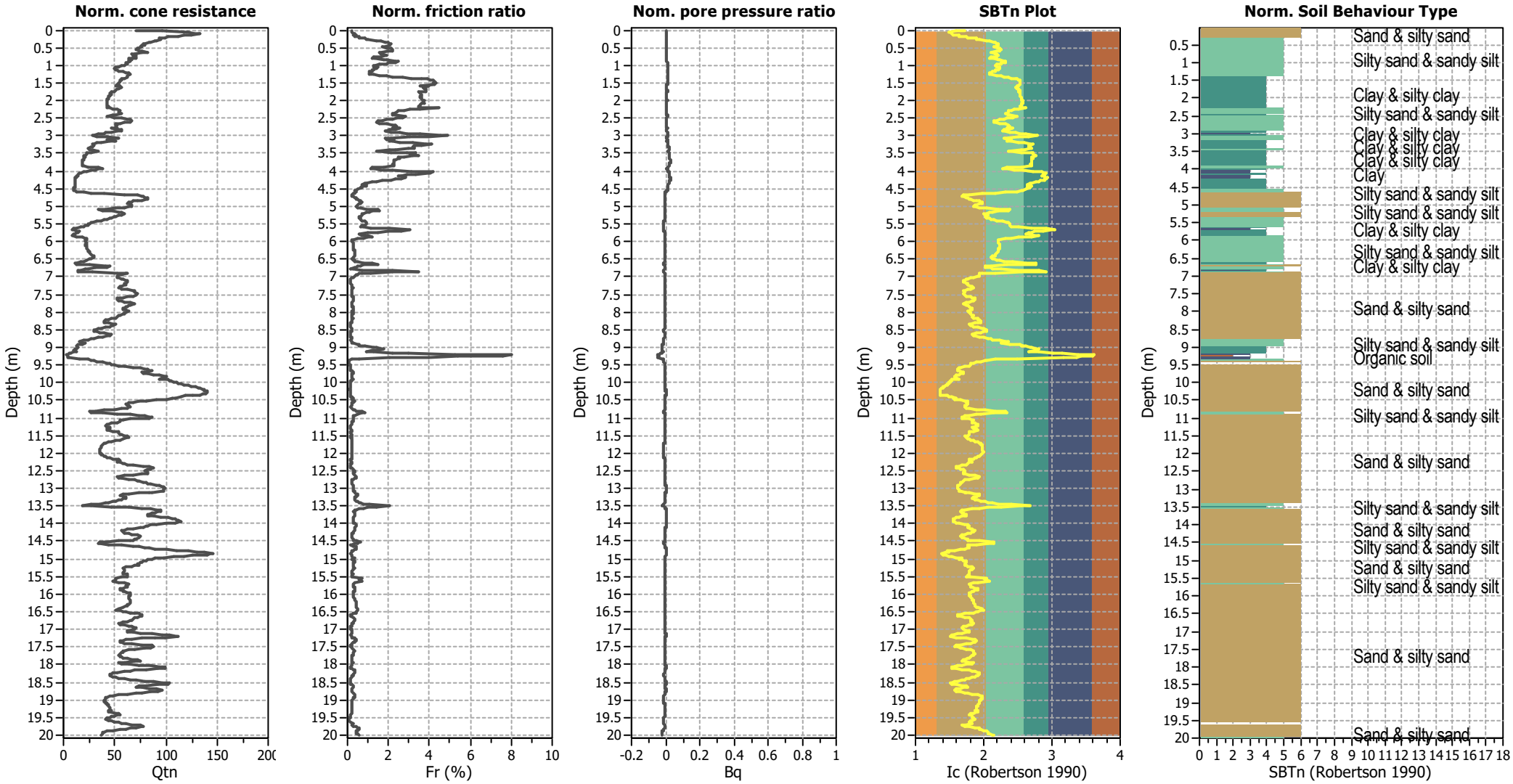
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



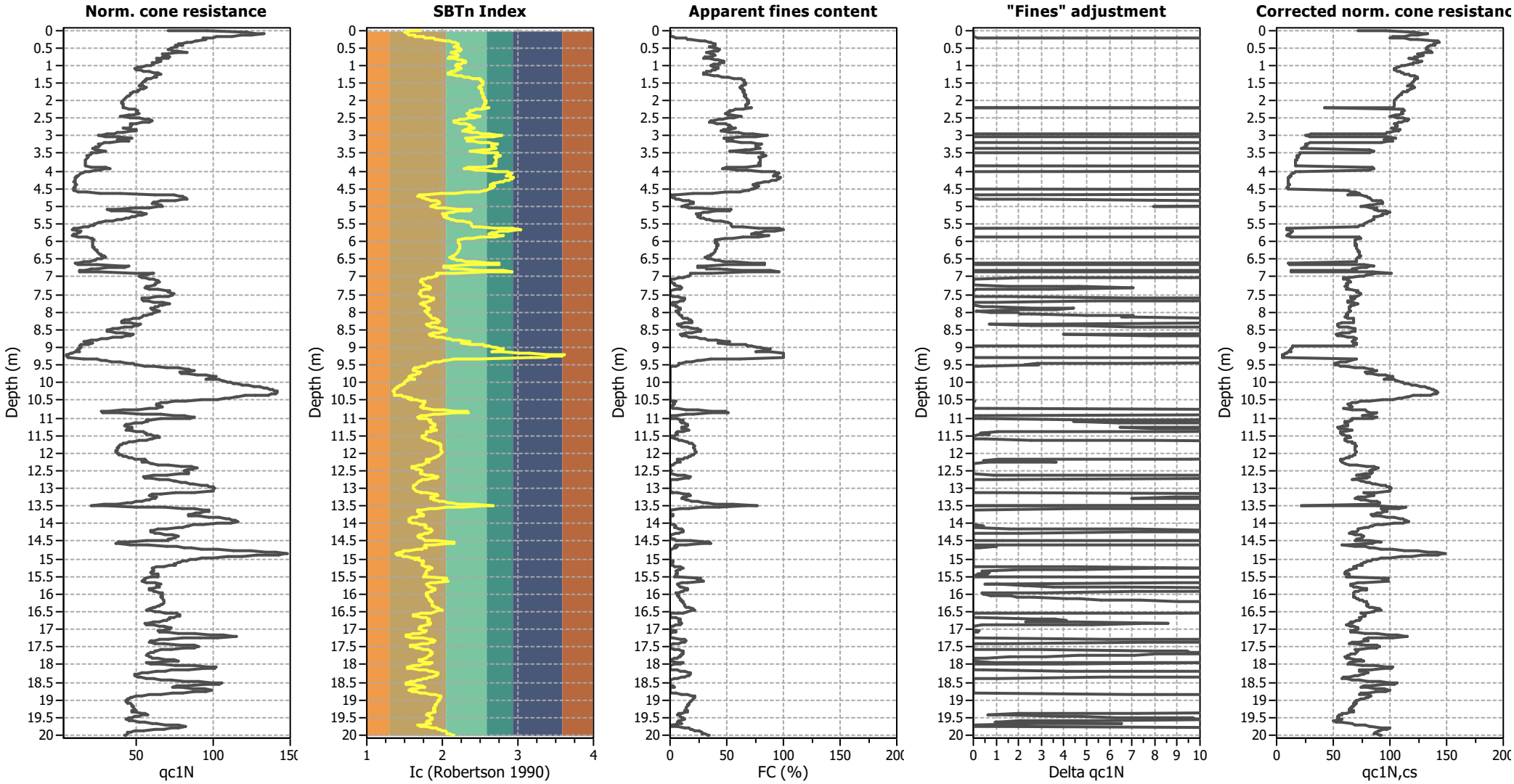
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

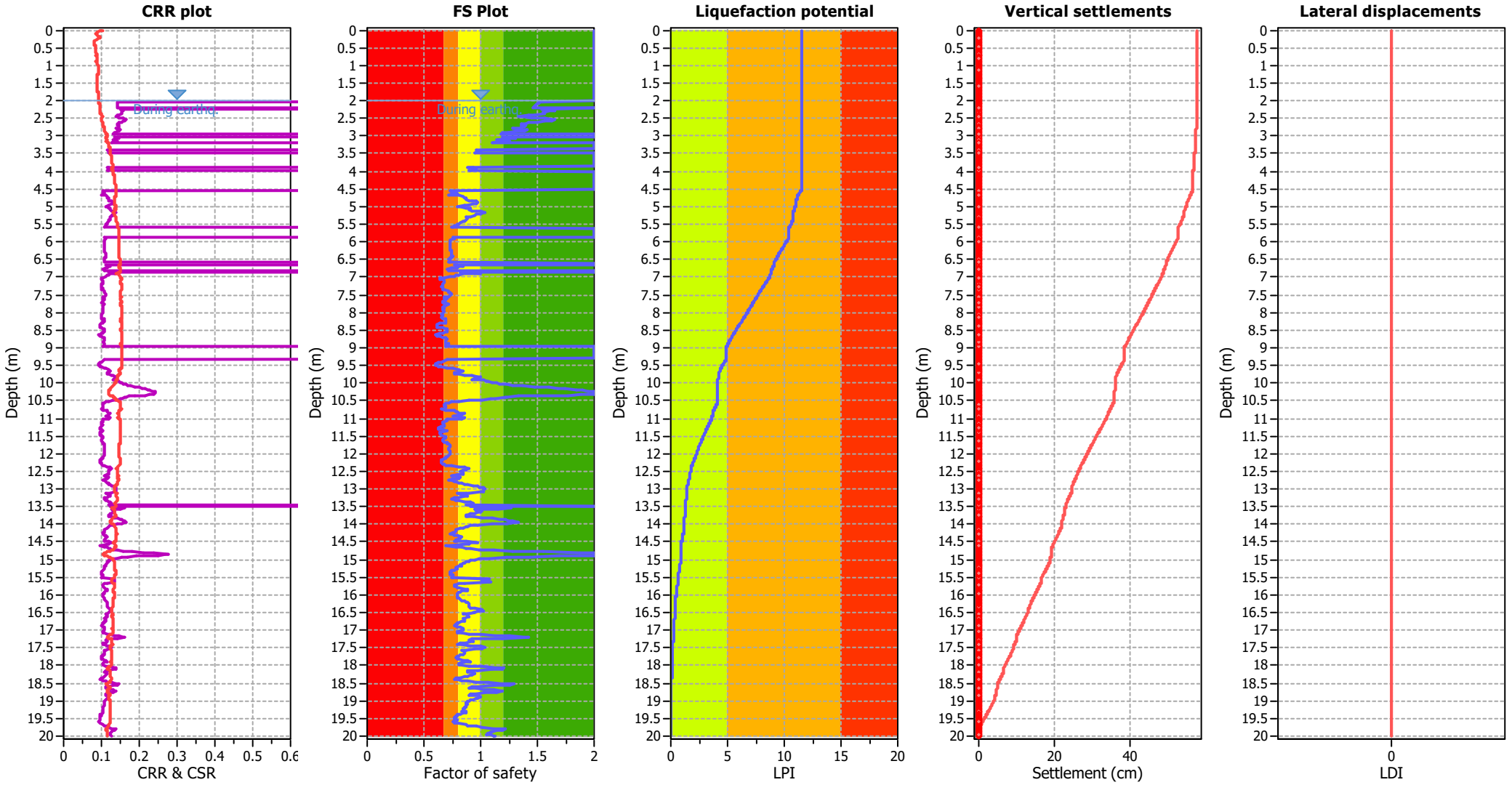
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

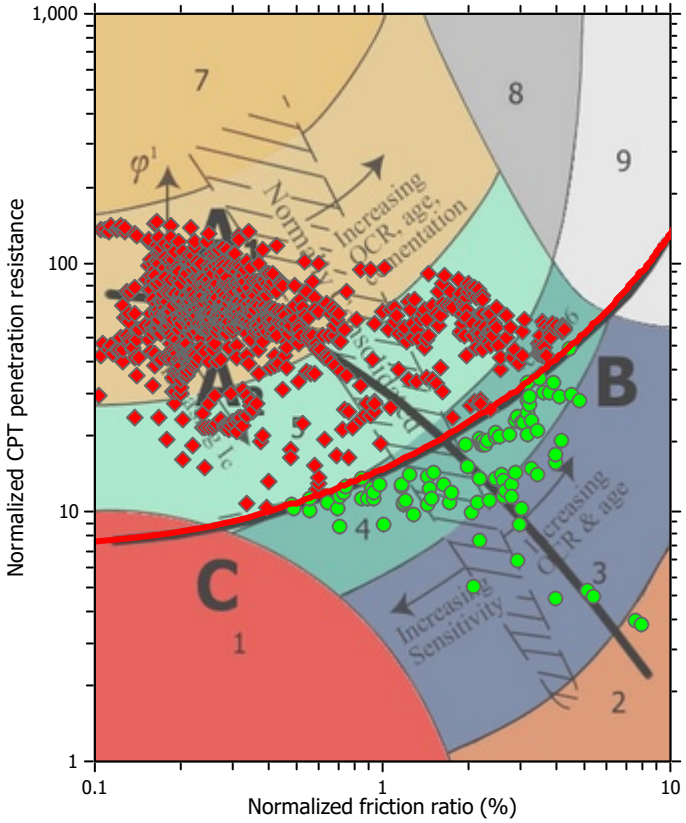
F.S. color scheme

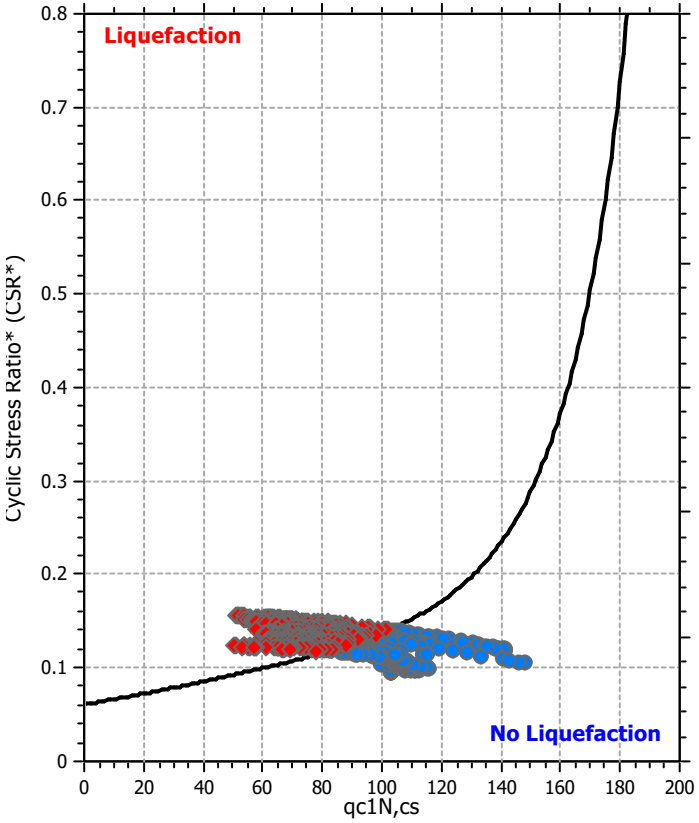
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

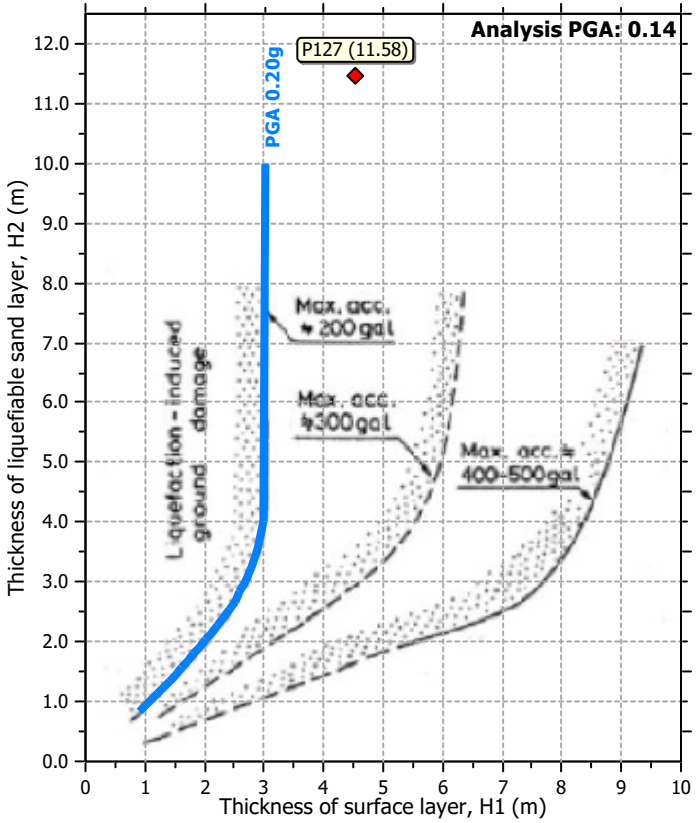
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



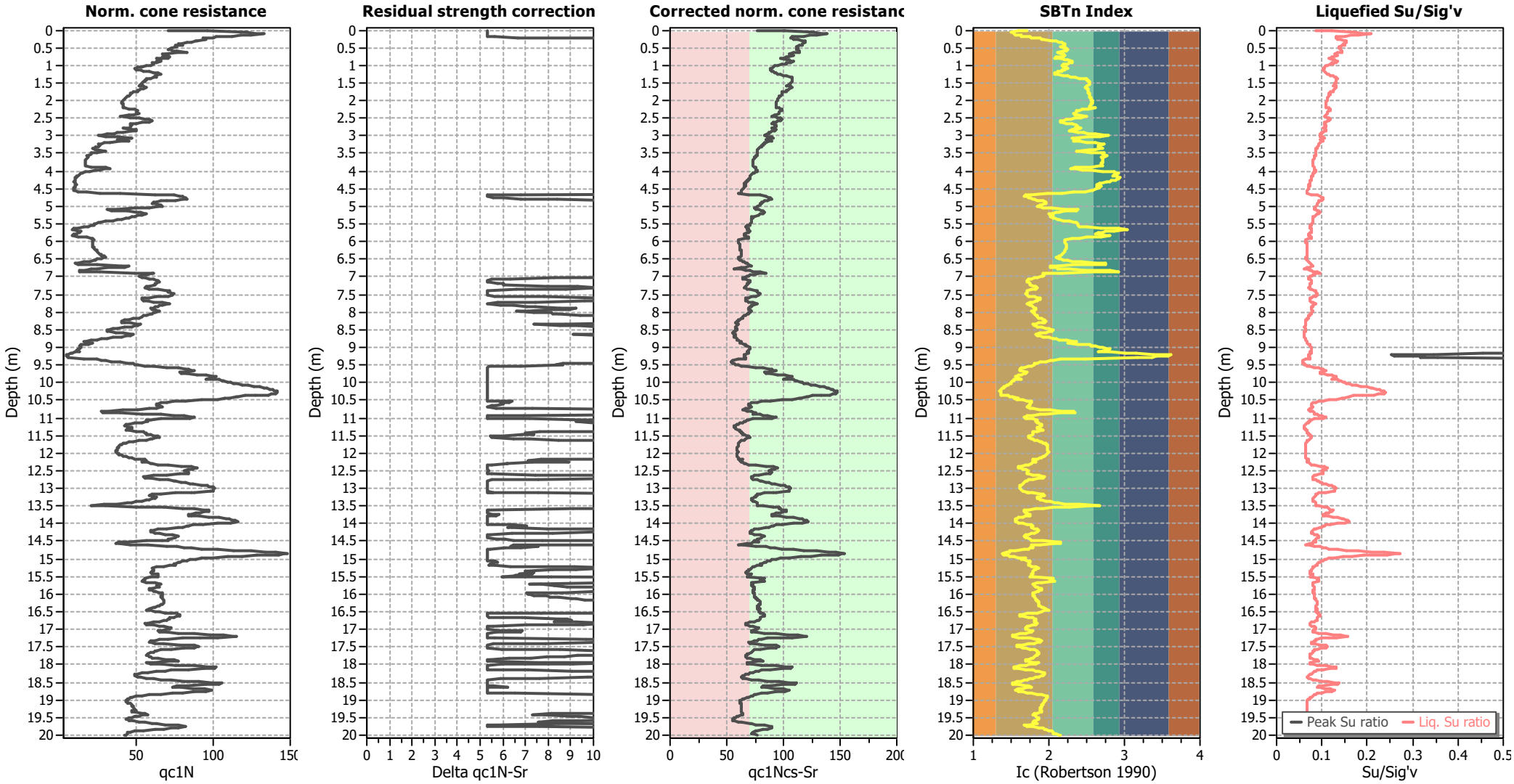




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.52	0.00	0.00	0.02	0.00	2.04	1.51	0.00	0.00	0.02	0.00
2.06	1.51	0.00	0.00	0.02	0.00	2.08	1.50	0.00	0.00	0.02	0.00
2.10	1.50	0.00	0.00	0.02	0.00	2.12	1.49	0.00	0.00	0.02	0.00
2.14	1.49	0.00	0.00	0.02	0.00	2.16	1.48	0.00	0.00	0.02	0.00
2.18	1.47	0.00	0.00	0.02	0.00	2.20	1.46	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	1.54	0.00	0.00	0.02	0.00
2.26	1.62	0.00	0.00	0.02	0.00	2.28	1.65	0.00	0.00	0.02	0.00
2.30	1.60	0.00	0.00	0.02	0.00	2.32	1.57	0.00	0.00	0.02	0.00
2.34	1.56	0.00	0.00	0.02	0.00	2.36	1.56	0.00	0.00	0.02	0.00
2.38	1.57	0.00	0.00	0.02	0.00	2.40	1.48	0.00	0.00	0.02	0.00
2.42	1.43	0.00	0.00	0.02	0.00	2.44	1.33	0.00	0.00	0.02	0.00
2.46	1.38	0.00	0.00	0.02	0.00	2.48	1.45	0.00	0.00	0.02	0.00
2.50	1.56	0.00	0.00	0.02	0.00	2.52	1.63	0.00	0.00	0.02	0.00
2.54	1.66	0.00	0.00	0.02	0.00	2.56	1.63	0.00	0.00	0.02	0.00
2.58	1.57	0.00	0.00	0.02	0.00	2.60	1.50	0.00	0.00	0.02	0.00
2.62	1.42	0.00	0.00	0.02	0.00	2.64	1.39	0.00	0.00	0.02	0.00
2.66	1.36	0.00	0.00	0.02	0.00	2.68	1.36	0.00	0.00	0.02	0.00
2.70	1.40	0.00	0.00	0.02	0.00	2.72	1.38	0.00	0.00	0.02	0.00
2.74	1.36	0.00	0.00	0.02	0.00	2.76	1.36	0.00	0.00	0.02	0.00
2.78	1.28	0.00	0.00	0.02	0.00	2.80	1.29	0.00	0.00	0.02	0.00
2.82	1.35	0.00	0.00	0.02	0.00	2.84	1.40	0.00	0.00	0.02	0.00
2.86	1.38	0.00	0.00	0.02	0.00	2.88	1.32	0.00	0.00	0.02	0.00
2.90	1.24	0.00	0.00	0.02	0.00	2.92	1.20	0.00	0.00	0.02	0.00
2.94	1.17	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	1.19	0.00	0.00	0.02	0.00
3.06	1.30	0.00	0.00	0.02	0.00	3.08	1.26	0.00	0.00	0.02	0.00
3.10	1.14	0.00	0.00	0.02	0.00	3.12	1.18	0.00	0.00	0.02	0.00
3.14	1.25	0.00	0.00	0.02	0.00	3.16	1.18	0.00	0.00	0.02	0.00
3.18	1.10	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	0.96	0.00	0.00	0.02	0.01	3.40	0.96	0.00	0.00	0.02	0.01
3.42	1.00	0.00	0.00	0.02	0.00	3.44	0.99	0.00	0.00	0.02	0.00
3.46	0.95	0.00	0.00	0.02	0.01	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	0.88	0.00	0.00	0.02	0.02
3.90	0.94	0.00	0.00	0.02	0.01	3.92	0.96	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	0.94	0.00	0.00	0.02	0.01	3.96	0.92	0.00	0.00	0.02	0.01
3.98	0.90	0.00	0.00	0.02	0.02	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	0.74	0.00	0.00	0.02	0.04	4.56	0.74	0.00	0.00	0.02	0.04
4.58	0.75	0.00	0.00	0.02	0.04	4.60	0.77	0.00	0.00	0.02	0.04
4.62	0.80	0.00	0.00	0.02	0.03	4.64	0.78	0.00	0.00	0.02	0.03
4.66	0.72	0.00	0.00	0.02	0.04	4.68	0.81	0.00	0.00	0.02	0.03
4.70	0.84	0.00	0.00	0.02	0.02	4.72	0.85	0.00	0.00	0.02	0.02
4.74	0.86	0.00	0.00	0.02	0.02	4.76	0.87	0.00	0.00	0.02	0.02
4.78	0.87	0.00	0.00	0.02	0.02	4.80	0.87	0.00	0.00	0.02	0.02
4.82	0.89	0.00	0.00	0.02	0.02	4.84	0.92	0.00	0.00	0.02	0.01
4.86	0.96	0.00	0.00	0.02	0.01	4.88	0.98	0.00	0.00	0.02	0.00
4.90	0.98	0.00	0.00	0.02	0.00	4.92	0.97	0.00	0.00	0.02	0.01
4.94	0.93	0.00	0.00	0.02	0.01	4.96	0.88	0.00	0.00	0.02	0.02
4.98	0.86	0.00	0.00	0.02	0.02	5.00	0.80	0.00	0.00	0.02	0.03
5.02	0.82	0.00	0.00	0.02	0.03	5.04	0.87	0.00	0.00	0.02	0.02
5.06	0.91	0.00	0.00	0.02	0.01	5.08	0.91	0.00	0.00	0.02	0.01
5.10	0.89	0.00	0.00	0.02	0.02	5.12	0.93	0.00	0.00	0.02	0.01
5.14	1.00	0.00	0.00	0.02	0.00	5.16	1.03	0.00	0.00	0.02	0.00
5.18	1.03	0.00	0.00	0.02	0.00	5.20	1.01	0.00	0.00	0.02	0.00
5.22	0.96	0.00	0.00	0.02	0.01	5.24	0.95	0.00	0.00	0.02	0.01
5.26	0.95	0.00	0.00	0.02	0.01	5.28	0.91	0.00	0.00	0.02	0.01
5.30	0.88	0.00	0.00	0.02	0.02	5.32	0.88	0.00	0.00	0.02	0.02
5.34	0.88	0.00	0.00	0.02	0.02	5.36	0.88	0.00	0.00	0.02	0.02
5.38	0.87	0.00	0.00	0.02	0.02	5.40	0.86	0.00	0.00	0.02	0.02
5.42	0.84	0.00	0.00	0.02	0.02	5.44	0.82	0.00	0.00	0.02	0.03
5.46	0.81	0.00	0.00	0.02	0.03	5.48	0.80	0.00	0.00	0.02	0.03
5.50	0.80	0.00	0.00	0.02	0.03	5.52	0.79	0.00	0.00	0.02	0.03
5.54	0.79	0.00	0.00	0.02	0.03	5.56	0.77	0.00	0.00	0.02	0.03
5.58	0.76	0.00	0.00	0.02	0.04	5.60	0.74	0.00	0.00	0.02	0.04
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	0.75	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.77	0.00	0.00	0.02	0.03	5.92	0.76	0.00	0.00	0.02	0.03
5.94	0.73	0.00	0.00	0.02	0.04	5.96	0.73	0.00	0.00	0.02	0.04
5.98	0.73	0.00	0.00	0.02	0.04	6.00	0.73	0.00	0.00	0.02	0.04
6.02	0.73	0.00	0.00	0.02	0.04	6.04	0.73	0.00	0.00	0.02	0.04
6.06	0.73	0.00	0.00	0.02	0.04	6.08	0.73	0.00	0.00	0.02	0.04
6.10	0.73	0.00	0.00	0.02	0.04	6.12	0.73	0.00	0.00	0.02	0.04
6.14	0.73	0.00	0.00	0.02	0.04	6.16	0.73	0.00	0.00	0.02	0.04
6.18	0.73	0.00	0.00	0.02	0.04	6.20	0.74	0.00	0.00	0.02	0.04
6.22	0.74	0.00	0.00	0.02	0.04	6.24	0.74	0.00	0.00	0.02	0.04
6.26	0.74	0.00	0.00	0.02	0.04	6.28	0.74	0.00	0.00	0.02	0.04
6.30	0.74	0.00	0.00	0.02	0.04	6.32	0.75	0.00	0.00	0.02	0.03
6.34	0.75	0.00	0.00	0.02	0.03	6.36	0.75	0.00	0.00	0.02	0.03
6.38	0.75	0.00	0.00	0.02	0.03	6.40	0.75	0.00	0.00	0.02	0.03
6.42	0.75	0.00	0.00	0.02	0.03	6.44	0.74	0.00	0.00	0.02	0.03
6.46	0.73	0.00	0.00	0.02	0.04	6.48	0.73	0.00	0.00	0.02	0.04
6.50	0.72	0.00	0.00	0.02	0.04	6.52	0.73	0.00	0.00	0.02	0.04
6.54	0.73	0.00	0.00	0.02	0.04	6.56	0.72	0.00	0.00	0.02	0.04
6.58	0.71	0.00	0.00	0.02	0.04	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	0.77	0.00	0.00	0.02	0.03	6.68	0.84	0.00	0.00	0.02	0.02
6.70	0.81	0.00	0.00	0.02	0.03	6.72	0.79	0.00	0.00	0.02	0.03
6.74	0.75	0.00	0.00	0.02	0.03	6.76	0.70	0.00	0.00	0.02	0.04
6.78	0.72	0.00	0.00	0.02	0.04	6.80	0.72	0.00	0.00	0.02	0.04
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	0.82	0.00	0.00	0.02	0.02	6.88	1.00	0.00	0.00	0.02	0.00
6.90	0.94	0.00	0.00	0.02	0.01	6.92	0.84	0.00	0.00	0.02	0.02
6.94	0.81	0.00	0.00	0.02	0.03	6.96	0.79	0.00	0.00	0.02	0.03
6.98	0.76	0.00	0.00	0.02	0.03	7.00	0.74	0.00	0.00	0.02	0.03
7.02	0.68	0.00	0.00	0.02	0.04	7.04	0.65	0.00	0.00	0.02	0.05
7.06	0.65	0.00	0.00	0.02	0.05	7.08	0.66	0.00	0.00	0.02	0.04
7.10	0.67	0.00	0.00	0.02	0.04	7.12	0.68	0.00	0.00	0.02	0.04
7.14	0.69	0.00	0.00	0.02	0.04	7.16	0.68	0.00	0.00	0.02	0.04
7.18	0.67	0.00	0.00	0.02	0.04	7.20	0.67	0.00	0.00	0.02	0.04
7.22	0.67	0.00	0.00	0.02	0.04	7.24	0.67	0.00	0.00	0.02	0.04
7.26	0.66	0.00	0.00	0.02	0.04	7.28	0.66	0.00	0.00	0.02	0.04
7.30	0.67	0.00	0.00	0.02	0.04	7.32	0.67	0.00	0.00	0.02	0.04
7.34	0.66	0.00	0.00	0.02	0.04	7.36	0.68	0.00	0.00	0.02	0.04
7.38	0.71	0.00	0.00	0.02	0.04	7.40	0.72	0.00	0.00	0.02	0.03
7.42	0.72	0.00	0.00	0.02	0.04	7.44	0.73	0.00	0.00	0.02	0.03
7.46	0.74	0.00	0.00	0.02	0.03	7.48	0.74	0.00	0.00	0.02	0.03
7.50	0.73	0.00	0.00	0.02	0.03	7.52	0.73	0.00	0.00	0.02	0.03
7.54	0.71	0.00	0.00	0.02	0.04	7.56	0.68	0.00	0.00	0.02	0.04
7.58	0.69	0.00	0.00	0.02	0.04	7.60	0.70	0.00	0.00	0.02	0.04
7.62	0.70	0.00	0.00	0.02	0.04	7.64	0.70	0.00	0.00	0.02	0.04
7.66	0.69	0.00	0.00	0.02	0.04	7.68	0.68	0.00	0.00	0.02	0.04
7.70	0.67	0.00	0.00	0.02	0.04	7.72	0.67	0.00	0.00	0.02	0.04
7.74	0.69	0.00	0.00	0.02	0.04	7.76	0.72	0.00	0.00	0.02	0.03
7.78	0.72	0.00	0.00	0.02	0.03	7.80	0.69	0.00	0.00	0.02	0.04
7.82	0.68	0.00	0.00	0.02	0.04	7.84	0.68	0.00	0.00	0.02	0.04

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.67	0.00	0.00	0.02	0.04	7.88	0.67	0.00	0.00	0.02	0.04
7.90	0.67	0.00	0.00	0.02	0.04	7.92	0.67	0.00	0.00	0.02	0.04
7.94	0.67	0.00	0.00	0.02	0.04	7.96	0.68	0.00	0.00	0.02	0.04
7.98	0.68	0.00	0.00	0.02	0.04	8.00	0.67	0.00	0.00	0.02	0.04
8.02	0.67	0.00	0.00	0.02	0.04	8.04	0.66	0.00	0.00	0.02	0.04
8.06	0.66	0.00	0.00	0.02	0.04	8.08	0.66	0.00	0.00	0.02	0.04
8.10	0.66	0.00	0.00	0.02	0.04	8.12	0.66	0.00	0.00	0.02	0.04
8.14	0.65	0.00	0.00	0.02	0.04	8.16	0.67	0.00	0.00	0.02	0.04
8.18	0.70	0.00	0.00	0.02	0.04	8.20	0.69	0.00	0.00	0.02	0.04
8.22	0.70	0.00	0.00	0.02	0.04	8.24	0.70	0.00	0.00	0.02	0.04
8.26	0.70	0.00	0.00	0.02	0.04	8.28	0.69	0.00	0.00	0.02	0.04
8.30	0.67	0.00	0.00	0.02	0.04	8.32	0.64	0.00	0.00	0.02	0.04
8.34	0.61	0.39	0.66	0.02	0.05	8.36	0.62	0.00	0.00	0.02	0.04
8.38	0.61	0.39	0.66	0.02	0.05	8.40	0.61	0.39	0.66	0.02	0.04
8.42	0.62	0.00	0.00	0.02	0.04	8.44	0.66	0.00	0.00	0.02	0.04
8.46	0.69	0.00	0.00	0.02	0.04	8.48	0.70	0.00	0.00	0.02	0.03
8.50	0.71	0.00	0.00	0.02	0.03	8.52	0.70	0.00	0.00	0.02	0.03
8.54	0.70	0.00	0.00	0.02	0.03	8.56	0.69	0.00	0.00	0.02	0.04
8.58	0.67	0.00	0.00	0.02	0.04	8.60	0.64	0.00	0.00	0.02	0.04
8.62	0.61	0.39	0.65	0.02	0.04	8.64	0.61	0.39	0.64	0.02	0.04
8.66	0.62	0.00	0.00	0.02	0.04	8.68	0.64	0.00	0.00	0.02	0.04
8.70	0.67	0.00	0.00	0.02	0.04	8.72	0.70	0.00	0.00	0.02	0.03
8.74	0.71	0.00	0.00	0.02	0.03	8.76	0.70	0.00	0.00	0.02	0.03
8.78	0.70	0.00	0.00	0.02	0.03	8.80	0.69	0.00	0.00	0.02	0.03
8.82	0.69	0.00	0.00	0.02	0.03	8.84	0.69	0.00	0.00	0.02	0.03
8.86	0.70	0.00	0.00	0.02	0.03	8.88	0.71	0.00	0.00	0.02	0.03
8.90	0.71	0.00	0.00	0.02	0.03	8.92	0.70	0.00	0.00	0.02	0.03
8.94	0.69	0.00	0.00	0.02	0.03	8.96	0.69	0.00	0.00	0.02	0.03
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	0.71	0.00	0.00	0.02	0.03
9.34	0.71	0.00	0.00	0.02	0.03	9.36	0.68	0.00	0.00	0.02	0.03
9.38	0.68	0.00	0.00	0.02	0.03	9.40	0.65	0.00	0.00	0.02	0.04
9.42	0.62	0.00	0.00	0.02	0.04	9.44	0.60	0.40	0.63	0.02	0.04
9.46	0.60	0.40	0.63	0.02	0.04	9.48	0.60	0.40	0.63	0.02	0.04
9.50	0.61	0.39	0.66	0.02	0.04	9.52	0.62	0.00	0.00	0.02	0.04
9.54	0.66	0.00	0.00	0.02	0.04	9.56	0.70	0.00	0.00	0.02	0.03
9.58	0.75	0.00	0.00	0.02	0.03	9.60	0.79	0.00	0.00	0.02	0.02
9.62	0.81	0.00	0.00	0.02	0.02	9.64	0.83	0.00	0.00	0.02	0.02
9.66	0.81	0.00	0.00	0.02	0.02	9.68	0.84	0.00	0.00	0.02	0.02
9.70	0.79	0.00	0.00	0.02	0.02	9.72	0.77	0.00	0.00	0.02	0.02
9.74	0.77	0.00	0.00	0.02	0.02	9.76	0.80	0.00	0.00	0.02	0.02
9.78	0.86	0.00	0.00	0.02	0.01	9.80	0.92	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.98	0.00	0.00	0.02	0.00	9.84	1.00	0.00	0.00	0.02	0.00
9.86	0.99	0.00	0.00	0.02	0.00	9.88	0.95	0.00	0.00	0.02	0.00
9.90	0.92	0.00	0.00	0.02	0.01	9.92	1.03	0.00	0.00	0.02	0.00
9.94	1.05	0.00	0.00	0.02	0.00	9.96	1.06	0.00	0.00	0.02	0.00
9.98	1.11	0.00	0.00	0.02	0.00	10.00	1.15	0.00	0.00	0.02	0.00
10.02	1.17	0.00	0.00	0.02	0.00	10.04	1.23	0.00	0.00	0.02	0.00
10.06	1.28	0.00	0.00	0.02	0.00	10.08	1.37	0.00	0.00	0.02	0.00
10.10	1.47	0.00	0.00	0.02	0.00	10.12	1.60	0.00	0.00	0.02	0.00
10.14	1.68	0.00	0.00	0.02	0.00	10.16	1.74	0.00	0.00	0.02	0.00
10.18	1.84	0.00	0.00	0.02	0.00	10.20	1.90	0.00	0.00	0.02	0.00
10.22	1.95	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	1.89	0.00	0.00	0.02	0.00
10.34	1.78	0.00	0.00	0.02	0.00	10.36	1.50	0.00	0.00	0.02	0.00
10.38	1.33	0.00	0.00	0.02	0.00	10.40	1.23	0.00	0.00	0.02	0.00
10.42	1.22	0.00	0.00	0.02	0.00	10.44	1.13	0.00	0.00	0.02	0.00
10.46	1.09	0.00	0.00	0.02	0.00	10.48	1.01	0.00	0.00	0.02	0.00
10.50	0.90	0.00	0.00	0.02	0.01	10.52	0.81	0.00	0.00	0.02	0.02
10.54	0.75	0.00	0.00	0.02	0.02	10.56	0.72	0.00	0.00	0.02	0.03
10.58	0.69	0.00	0.00	0.02	0.03	10.60	0.68	0.00	0.00	0.02	0.03
10.62	0.67	0.00	0.00	0.02	0.03	10.64	0.68	0.00	0.00	0.02	0.03
10.66	0.69	0.00	0.00	0.02	0.03	10.68	0.70	0.00	0.00	0.02	0.03
10.70	0.69	0.00	0.00	0.02	0.03	10.72	0.68	0.00	0.00	0.02	0.03
10.74	0.65	0.00	0.00	0.02	0.03	10.76	0.70	0.00	0.00	0.02	0.03
10.78	0.77	0.00	0.00	0.02	0.02	10.80	0.78	0.00	0.00	0.02	0.02
10.82	0.79	0.00	0.00	0.02	0.02	10.84	0.81	0.00	0.00	0.02	0.02
10.86	0.86	0.00	0.00	0.02	0.01	10.88	0.83	0.00	0.00	0.02	0.02
10.90	0.82	0.00	0.00	0.02	0.02	10.92	0.75	0.00	0.00	0.02	0.02
10.94	0.80	0.00	0.00	0.02	0.02	10.96	0.84	0.00	0.00	0.02	0.01
10.98	0.86	0.00	0.00	0.02	0.01	11.00	0.83	0.00	0.00	0.02	0.02
11.02	0.70	0.00	0.00	0.02	0.03	11.04	0.69	0.00	0.00	0.02	0.03
11.06	0.70	0.00	0.00	0.02	0.03	11.08	0.70	0.00	0.00	0.02	0.03
11.10	0.68	0.00	0.00	0.02	0.03	11.12	0.66	0.00	0.00	0.02	0.03
11.14	0.66	0.00	0.00	0.02	0.03	11.16	0.67	0.00	0.00	0.02	0.03
11.18	0.68	0.00	0.00	0.02	0.03	11.20	0.68	0.00	0.00	0.02	0.03
11.22	0.68	0.00	0.00	0.02	0.03	11.24	0.66	0.00	0.00	0.02	0.03
11.26	0.63	0.00	0.00	0.02	0.03	11.28	0.63	0.00	0.00	0.02	0.03
11.30	0.63	0.00	0.00	0.02	0.03	11.32	0.66	0.00	0.00	0.02	0.03
11.34	0.70	0.00	0.00	0.02	0.03	11.36	0.70	0.00	0.00	0.02	0.03
11.38	0.66	0.00	0.00	0.02	0.03	11.40	0.64	0.00	0.00	0.02	0.03
11.42	0.64	0.00	0.00	0.02	0.03	11.44	0.64	0.00	0.00	0.02	0.03
11.46	0.65	0.00	0.00	0.02	0.03	11.48	0.66	0.00	0.00	0.02	0.03
11.50	0.67	0.00	0.00	0.02	0.03	11.52	0.69	0.00	0.00	0.02	0.03
11.54	0.69	0.00	0.00	0.02	0.03	11.56	0.69	0.00	0.00	0.02	0.03
11.58	0.67	0.00	0.00	0.02	0.03	11.60	0.66	0.00	0.00	0.02	0.03
11.62	0.66	0.00	0.00	0.02	0.03	11.64	0.67	0.00	0.00	0.02	0.03
11.66	0.68	0.00	0.00	0.02	0.03	11.68	0.70	0.00	0.00	0.02	0.02
11.70	0.71	0.00	0.00	0.02	0.02	11.72	0.72	0.00	0.00	0.02	0.02
11.74	0.72	0.00	0.00	0.02	0.02	11.76	0.73	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	0.73	0.00	0.00	0.02	0.02	11.80	0.73	0.00	0.00	0.02	0.02
11.82	0.73	0.00	0.00	0.02	0.02	11.84	0.72	0.00	0.00	0.02	0.02
11.86	0.72	0.00	0.00	0.02	0.02	11.88	0.72	0.00	0.00	0.02	0.02
11.90	0.72	0.00	0.00	0.02	0.02	11.92	0.73	0.00	0.00	0.02	0.02
11.94	0.72	0.00	0.00	0.02	0.02	11.96	0.73	0.00	0.00	0.02	0.02
11.98	0.73	0.00	0.00	0.02	0.02	12.00	0.73	0.00	0.00	0.02	0.02
12.02	0.73	0.00	0.00	0.02	0.02	12.04	0.72	0.00	0.00	0.02	0.02
12.06	0.72	0.00	0.00	0.02	0.02	12.08	0.71	0.00	0.00	0.02	0.02
12.10	0.70	0.00	0.00	0.02	0.02	12.12	0.69	0.00	0.00	0.02	0.02
12.14	0.68	0.00	0.00	0.02	0.03	12.16	0.67	0.00	0.00	0.02	0.03
12.18	0.65	0.00	0.00	0.02	0.03	12.20	0.65	0.00	0.00	0.02	0.03
12.22	0.65	0.00	0.00	0.02	0.03	12.24	0.66	0.00	0.00	0.02	0.03
12.26	0.66	0.00	0.00	0.02	0.03	12.28	0.67	0.00	0.00	0.02	0.03
12.30	0.68	0.00	0.00	0.02	0.02	12.32	0.70	0.00	0.00	0.02	0.02
12.34	0.74	0.00	0.00	0.02	0.02	12.36	0.81	0.00	0.00	0.02	0.01
12.38	0.85	0.00	0.00	0.02	0.01	12.40	0.89	0.00	0.00	0.02	0.01
12.42	0.89	0.00	0.00	0.02	0.01	12.44	0.88	0.00	0.00	0.02	0.01
12.46	0.87	0.00	0.00	0.02	0.01	12.48	0.85	0.00	0.00	0.02	0.01
12.50	0.82	0.00	0.00	0.02	0.01	12.52	0.83	0.00	0.00	0.02	0.01
12.54	0.84	0.00	0.00	0.02	0.01	12.56	0.85	0.00	0.00	0.02	0.01
12.58	0.84	0.00	0.00	0.02	0.01	12.60	0.80	0.00	0.00	0.02	0.01
12.62	0.75	0.00	0.00	0.02	0.02	12.64	0.78	0.00	0.00	0.02	0.02
12.66	0.82	0.00	0.00	0.02	0.01	12.68	0.83	0.00	0.00	0.02	0.01
12.70	0.81	0.00	0.00	0.02	0.01	12.72	0.76	0.00	0.00	0.02	0.02
12.74	0.72	0.00	0.00	0.02	0.02	12.76	0.75	0.00	0.00	0.02	0.02
12.78	0.77	0.00	0.00	0.02	0.02	12.80	0.78	0.00	0.00	0.02	0.02
12.82	0.81	0.00	0.00	0.02	0.01	12.84	0.83	0.00	0.00	0.02	0.01
12.86	0.86	0.00	0.00	0.02	0.01	12.88	0.88	0.00	0.00	0.02	0.01
12.90	0.93	0.00	0.00	0.02	0.01	12.92	0.97	0.00	0.00	0.02	0.00
12.94	0.99	0.00	0.00	0.02	0.00	12.96	1.02	0.00	0.00	0.02	0.00
12.98	1.03	0.00	0.00	0.02	0.00	13.00	1.03	0.00	0.00	0.02	0.00
13.02	1.03	0.00	0.00	0.02	0.00	13.04	1.03	0.00	0.00	0.02	0.00
13.06	1.02	0.00	0.00	0.02	0.00	13.08	1.00	0.00	0.00	0.02	0.00
13.10	0.89	0.00	0.00	0.02	0.01	13.12	0.87	0.00	0.00	0.02	0.01
13.14	0.79	0.00	0.00	0.02	0.01	13.16	0.84	0.00	0.00	0.02	0.01
13.18	0.88	0.00	0.00	0.02	0.01	13.20	0.88	0.00	0.00	0.02	0.01
13.22	0.86	0.00	0.00	0.02	0.01	13.24	0.81	0.00	0.00	0.02	0.01
13.26	0.77	0.00	0.00	0.02	0.02	13.28	0.75	0.00	0.00	0.02	0.02
13.30	0.76	0.00	0.00	0.02	0.02	13.32	0.78	0.00	0.00	0.02	0.01
13.34	0.81	0.00	0.00	0.02	0.01	13.36	0.86	0.00	0.00	0.02	0.01
13.38	0.90	0.00	0.00	0.02	0.01	13.40	0.93	0.00	0.00	0.02	0.00
13.42	0.93	0.00	0.00	0.02	0.00	13.44	0.91	0.00	0.00	0.02	0.01
13.46	0.87	0.00	0.00	0.02	0.01	13.48	2.00	0.00	0.00	0.02	0.00
13.50	0.91	0.00	0.00	0.02	0.01	13.52	1.12	0.00	0.00	0.02	0.00
13.54	1.27	0.00	0.00	0.02	0.00	13.56	1.15	0.00	0.00	0.02	0.00
13.58	0.95	0.00	0.00	0.02	0.00	13.60	0.96	0.00	0.00	0.02	0.00
13.62	1.01	0.00	0.00	0.02	0.00	13.64	1.00	0.00	0.00	0.02	0.00
13.66	0.98	0.00	0.00	0.02	0.00	13.68	0.94	0.00	0.00	0.02	0.00
13.70	0.92	0.00	0.00	0.02	0.01	13.72	0.89	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	0.87	0.00	0.00	0.02	0.01	13.76	0.87	0.00	0.00	0.02	0.01
13.78	0.89	0.00	0.00	0.02	0.01	13.80	0.93	0.00	0.00	0.02	0.00
13.82	1.01	0.00	0.00	0.02	0.00	13.84	1.10	0.00	0.00	0.02	0.00
13.86	1.17	0.00	0.00	0.02	0.00	13.88	1.22	0.00	0.00	0.02	0.00
13.90	1.25	0.00	0.00	0.02	0.00	13.92	1.29	0.00	0.00	0.02	0.00
13.94	1.33	0.00	0.00	0.02	0.00	13.96	1.31	0.00	0.00	0.02	0.00
13.98	1.23	0.00	0.00	0.02	0.00	14.00	1.10	0.00	0.00	0.02	0.00
14.02	0.97	0.00	0.00	0.02	0.00	14.04	0.91	0.00	0.00	0.02	0.01
14.06	0.89	0.00	0.00	0.02	0.01	14.08	0.87	0.00	0.00	0.02	0.01
14.10	0.85	0.00	0.00	0.02	0.01	14.12	0.83	0.00	0.00	0.02	0.01
14.14	0.78	0.00	0.00	0.02	0.01	14.16	0.78	0.00	0.00	0.02	0.01
14.18	0.78	0.00	0.00	0.02	0.01	14.20	0.78	0.00	0.00	0.02	0.01
14.22	0.77	0.00	0.00	0.02	0.01	14.24	0.75	0.00	0.00	0.02	0.01
14.26	0.73	0.00	0.00	0.02	0.02	14.28	0.74	0.00	0.00	0.02	0.01
14.30	0.76	0.00	0.00	0.02	0.01	14.32	0.80	0.00	0.00	0.02	0.01
14.34	0.83	0.00	0.00	0.02	0.01	14.36	0.82	0.00	0.00	0.02	0.01
14.38	0.82	0.00	0.00	0.02	0.01	14.40	0.81	0.00	0.00	0.02	0.01
14.42	0.79	0.00	0.00	0.02	0.01	14.44	0.78	0.00	0.00	0.02	0.01
14.46	0.78	0.00	0.00	0.02	0.01	14.48	0.77	0.00	0.00	0.02	0.01
14.50	0.88	0.00	0.00	0.02	0.01	14.52	0.98	0.00	0.00	0.02	0.00
14.54	0.92	0.00	0.00	0.02	0.00	14.56	0.89	0.00	0.00	0.02	0.01
14.58	0.86	0.00	0.00	0.02	0.01	14.60	0.73	0.00	0.00	0.02	0.01
14.62	0.70	0.00	0.00	0.02	0.02	14.64	0.78	0.00	0.00	0.02	0.01
14.66	0.84	0.00	0.00	0.02	0.01	14.68	0.87	0.00	0.00	0.02	0.01
14.70	0.91	0.00	0.00	0.02	0.00	14.72	0.98	0.00	0.00	0.02	0.00
14.74	1.11	0.00	0.00	0.02	0.00	14.76	1.28	0.00	0.00	0.02	0.00
14.78	1.55	0.00	0.00	0.02	0.00	14.80	1.87	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	1.69	0.00	0.00	0.02	0.00	14.92	1.43	0.00	0.00	0.02	0.00
14.94	1.23	0.00	0.00	0.02	0.00	14.96	1.08	0.00	0.00	0.02	0.00
14.98	0.98	0.00	0.00	0.02	0.00	15.00	0.95	0.00	0.00	0.02	0.00
15.02	0.91	0.00	0.00	0.02	0.00	15.04	0.89	0.00	0.00	0.02	0.01
15.06	0.87	0.00	0.00	0.02	0.01	15.08	0.86	0.00	0.00	0.02	0.01
15.10	0.84	0.00	0.00	0.02	0.01	15.12	0.83	0.00	0.00	0.02	0.01
15.14	0.82	0.00	0.00	0.02	0.01	15.16	0.83	0.00	0.00	0.02	0.01
15.18	0.82	0.00	0.00	0.02	0.01	15.20	0.80	0.00	0.00	0.02	0.01
15.22	0.78	0.00	0.00	0.02	0.01	15.24	0.78	0.00	0.00	0.02	0.01
15.26	0.80	0.00	0.00	0.02	0.01	15.28	0.78	0.00	0.00	0.02	0.01
15.30	0.76	0.00	0.00	0.02	0.01	15.32	0.75	0.00	0.00	0.02	0.01
15.34	0.74	0.00	0.00	0.02	0.01	15.36	0.73	0.00	0.00	0.02	0.01
15.38	0.73	0.00	0.00	0.02	0.01	15.40	0.73	0.00	0.00	0.02	0.01
15.42	0.73	0.00	0.00	0.02	0.01	15.44	0.76	0.00	0.00	0.02	0.01
15.46	0.76	0.00	0.00	0.02	0.01	15.48	0.76	0.00	0.00	0.02	0.01
15.50	0.76	0.00	0.00	0.02	0.01	15.52	0.74	0.00	0.00	0.02	0.01
15.54	1.08	0.00	0.00	0.02	0.00	15.56	1.01	0.00	0.00	0.02	0.00
15.58	1.02	0.00	0.00	0.02	0.00	15.60	1.06	0.00	0.00	0.02	0.00
15.62	1.08	0.00	0.00	0.02	0.00	15.64	1.08	0.00	0.00	0.02	0.00
15.66	0.86	0.00	0.00	0.02	0.01	15.68	0.81	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	0.78	0.00	0.00	0.02	0.01	15.72	0.77	0.00	0.00	0.02	0.01
15.74	0.77	0.00	0.00	0.02	0.01	15.76	0.78	0.00	0.00	0.02	0.01
15.78	0.79	0.00	0.00	0.02	0.01	15.80	0.81	0.00	0.00	0.02	0.01
15.82	0.86	0.00	0.00	0.02	0.01	15.84	0.89	0.00	0.00	0.02	0.00
15.86	0.88	0.00	0.00	0.02	0.00	15.88	0.87	0.00	0.00	0.02	0.01
15.90	0.84	0.00	0.00	0.02	0.01	15.92	0.82	0.00	0.00	0.02	0.01
15.94	0.80	0.00	0.00	0.02	0.01	15.96	0.79	0.00	0.00	0.02	0.01
15.98	0.79	0.00	0.00	0.02	0.01	16.00	0.79	0.00	0.00	0.02	0.01
16.02	0.79	0.00	0.00	0.02	0.01	16.04	0.79	0.00	0.00	0.02	0.01
16.06	0.79	0.00	0.00	0.02	0.01	16.08	0.80	0.00	0.00	0.02	0.01
16.10	0.81	0.00	0.00	0.02	0.01	16.12	0.82	0.00	0.00	0.02	0.01
16.14	0.83	0.00	0.00	0.02	0.01	16.16	0.84	0.00	0.00	0.02	0.01
16.18	0.85	0.00	0.00	0.02	0.01	16.20	0.87	0.00	0.00	0.02	0.00
16.22	0.89	0.00	0.00	0.02	0.00	16.24	0.90	0.00	0.00	0.02	0.00
16.26	0.89	0.00	0.00	0.02	0.00	16.28	0.90	0.00	0.00	0.02	0.00
16.30	0.90	0.00	0.00	0.02	0.00	16.32	0.90	0.00	0.00	0.02	0.00
16.34	0.89	0.00	0.00	0.02	0.00	16.36	0.91	0.00	0.00	0.02	0.00
16.38	0.95	0.00	0.00	0.02	0.00	16.40	1.01	0.00	0.00	0.02	0.00
16.42	0.97	0.00	0.00	0.02	0.00	16.44	1.02	0.00	0.00	0.02	0.00
16.46	0.98	0.00	0.00	0.02	0.00	16.48	0.94	0.00	0.00	0.02	0.00
16.50	0.95	0.00	0.00	0.02	0.00	16.52	0.88	0.00	0.00	0.02	0.00
16.54	0.85	0.00	0.00	0.02	0.01	16.56	0.87	0.00	0.00	0.02	0.00
16.58	0.88	0.00	0.00	0.02	0.00	16.60	0.89	0.00	0.00	0.02	0.00
16.62	0.89	0.00	0.00	0.02	0.00	16.64	0.88	0.00	0.00	0.02	0.00
16.66	0.86	0.00	0.00	0.02	0.00	16.68	0.84	0.00	0.00	0.02	0.01
16.70	0.86	0.00	0.00	0.02	0.00	16.72	0.86	0.00	0.00	0.02	0.00
16.74	0.85	0.00	0.00	0.02	0.00	16.76	0.83	0.00	0.00	0.02	0.01
16.78	0.81	0.00	0.00	0.02	0.01	16.80	0.80	0.00	0.00	0.02	0.01
16.82	0.80	0.00	0.00	0.02	0.01	16.84	0.78	0.00	0.00	0.02	0.01
16.86	0.77	0.00	0.00	0.02	0.01	16.88	0.77	0.00	0.00	0.02	0.01
16.90	0.79	0.00	0.00	0.02	0.01	16.92	0.82	0.00	0.00	0.02	0.01
16.94	0.84	0.00	0.00	0.02	0.00	16.96	0.85	0.00	0.00	0.02	0.00
16.98	0.84	0.00	0.00	0.02	0.00	17.00	0.83	0.00	0.00	0.02	0.01
17.02	0.81	0.00	0.00	0.02	0.01	17.04	0.79	0.00	0.00	0.02	0.01
17.06	0.80	0.00	0.00	0.02	0.01	17.08	0.83	0.00	0.00	0.02	0.00
17.10	0.90	0.00	0.00	0.02	0.00	17.12	1.00	0.00	0.00	0.02	0.00
17.14	1.13	0.00	0.00	0.02	0.00	17.16	1.25	0.00	0.00	0.02	0.00
17.18	1.39	0.00	0.00	0.02	0.00	17.20	1.42	0.00	0.00	0.02	0.00
17.22	1.19	0.00	0.00	0.02	0.00	17.24	1.04	0.00	0.00	0.02	0.00
17.26	0.92	0.00	0.00	0.02	0.00	17.28	0.89	0.00	0.00	0.02	0.00
17.30	0.92	0.00	0.00	0.02	0.00	17.32	0.93	0.00	0.00	0.02	0.00
17.34	0.91	0.00	0.00	0.02	0.00	17.36	0.87	0.00	0.00	0.02	0.00
17.38	0.82	0.00	0.00	0.02	0.00	17.40	0.79	0.00	0.00	0.02	0.01
17.42	0.83	0.00	0.00	0.02	0.00	17.44	0.91	0.00	0.00	0.02	0.00
17.46	1.01	0.00	0.00	0.02	0.00	17.48	1.04	0.00	0.00	0.02	0.00
17.50	1.03	0.00	0.00	0.02	0.00	17.52	1.01	0.00	0.00	0.02	0.00
17.54	0.94	0.00	0.00	0.02	0.00	17.56	0.87	0.00	0.00	0.02	0.00
17.58	0.84	0.00	0.00	0.02	0.00	17.60	0.85	0.00	0.00	0.02	0.00
17.62	0.86	0.00	0.00	0.02	0.00	17.64	0.85	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	0.86	0.00	0.00	0.02	0.00	17.68	0.84	0.00	0.00	0.02	0.00
17.70	0.82	0.00	0.00	0.02	0.00	17.72	0.81	0.00	0.00	0.02	0.00
17.74	0.79	0.00	0.00	0.02	0.00	17.76	0.79	0.00	0.00	0.02	0.00
17.78	0.78	0.00	0.00	0.02	0.00	17.80	0.79	0.00	0.00	0.02	0.00
17.82	0.81	0.00	0.00	0.02	0.00	17.84	0.84	0.00	0.00	0.02	0.00
17.86	0.89	0.00	0.00	0.02	0.00	17.88	0.91	0.00	0.00	0.02	0.00
17.90	0.86	0.00	0.00	0.02	0.00	17.92	0.81	0.00	0.00	0.02	0.00
17.94	0.82	0.00	0.00	0.02	0.00	17.96	0.83	0.00	0.00	0.02	0.00
17.98	0.81	0.00	0.00	0.02	0.00	18.00	0.82	0.00	0.00	0.02	0.00
18.02	0.90	0.00	0.00	0.02	0.00	18.04	1.02	0.00	0.00	0.02	0.00
18.06	1.12	0.00	0.00	0.02	0.00	18.08	1.21	0.00	0.00	0.02	0.00
18.10	1.20	0.00	0.00	0.02	0.00	18.12	1.10	0.00	0.00	0.02	0.00
18.14	0.98	0.00	0.00	0.02	0.00	18.16	0.89	0.00	0.00	0.02	0.00
18.18	0.88	0.00	0.00	0.02	0.00	18.20	0.92	0.00	0.00	0.02	0.00
18.22	0.95	0.00	0.00	0.02	0.00	18.24	0.95	0.00	0.00	0.02	0.00
18.26	0.92	0.00	0.00	0.02	0.00	18.28	0.91	0.00	0.00	0.02	0.00
18.30	0.88	0.00	0.00	0.02	0.00	18.32	0.85	0.00	0.00	0.02	0.00
18.34	0.82	0.00	0.00	0.02	0.00	18.36	0.78	0.00	0.00	0.02	0.00
18.38	0.77	0.00	0.00	0.02	0.00	18.40	0.80	0.00	0.00	0.02	0.00
18.42	0.84	0.00	0.00	0.02	0.00	18.44	0.89	0.00	0.00	0.02	0.00
18.46	0.96	0.00	0.00	0.02	0.00	18.48	1.07	0.00	0.00	0.02	0.00
18.50	1.18	0.00	0.00	0.02	0.00	18.52	1.29	0.00	0.00	0.02	0.00
18.54	1.26	0.00	0.00	0.02	0.00	18.56	1.13	0.00	0.00	0.02	0.00
18.58	0.99	0.00	0.00	0.02	0.00	18.60	0.93	0.00	0.00	0.02	0.00
18.62	0.90	0.00	0.00	0.02	0.00	18.64	0.92	0.00	0.00	0.02	0.00
18.66	0.96	0.00	0.00	0.02	0.00	18.68	1.02	0.00	0.00	0.02	0.00
18.70	1.12	0.00	0.00	0.02	0.00	18.72	1.18	0.00	0.00	0.02	0.00
18.74	1.19	0.00	0.00	0.02	0.00	18.76	1.14	0.00	0.00	0.02	0.00
18.78	1.04	0.00	0.00	0.02	0.00	18.80	0.97	0.00	0.00	0.02	0.00
18.82	0.91	0.00	0.00	0.02	0.00	18.84	0.90	0.00	0.00	0.02	0.00
18.86	0.97	0.00	0.00	0.02	0.00	18.88	1.00	0.00	0.00	0.02	0.00
18.90	1.00	0.00	0.00	0.02	0.00	18.92	0.98	0.00	0.00	0.02	0.00
18.94	0.96	0.00	0.00	0.02	0.00	18.96	0.93	0.00	0.00	0.02	0.00
18.98	0.91	0.00	0.00	0.02	0.00	19.00	0.90	0.00	0.00	0.02	0.00
19.02	0.88	0.00	0.00	0.02	0.00	19.04	0.87	0.00	0.00	0.02	0.00
19.06	0.87	0.00	0.00	0.02	0.00	19.08	0.87	0.00	0.00	0.02	0.00
19.10	0.88	0.00	0.00	0.02	0.00	19.12	0.87	0.00	0.00	0.02	0.00
19.14	0.87	0.00	0.00	0.02	0.00	19.16	0.87	0.00	0.00	0.02	0.00
19.18	0.86	0.00	0.00	0.02	0.00	19.20	0.85	0.00	0.00	0.02	0.00
19.22	0.85	0.00	0.00	0.02	0.00	19.24	0.85	0.00	0.00	0.02	0.00
19.26	0.84	0.00	0.00	0.02	0.00	19.28	0.85	0.00	0.00	0.02	0.00
19.30	0.84	0.00	0.00	0.02	0.00	19.32	0.87	0.00	0.00	0.02	0.00
19.34	0.87	0.00	0.00	0.02	0.00	19.36	0.85	0.00	0.00	0.02	0.00
19.38	0.82	0.00	0.00	0.02	0.00	19.40	0.80	0.00	0.00	0.02	0.00
19.42	0.80	0.00	0.00	0.02	0.00	19.44	0.78	0.00	0.00	0.02	0.00
19.46	0.78	0.00	0.00	0.02	0.00	19.48	0.77	0.00	0.00	0.02	0.00
19.50	0.77	0.00	0.00	0.02	0.00	19.52	0.78	0.00	0.00	0.02	0.00
19.54	0.77	0.00	0.00	0.02	0.00	19.56	0.80	0.00	0.00	0.02	0.00
19.58	0.75	0.00	0.00	0.02	0.00	19.60	0.75	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	0.77	0.00	0.00	0.02	0.00	19.64	0.79	0.00	0.00	0.02	0.00
19.66	0.87	0.00	0.00	0.02	0.00	19.68	0.87	0.00	0.00	0.02	0.00
19.70	0.89	0.00	0.00	0.02	0.00	19.72	0.96	0.00	0.00	0.02	0.00
19.74	1.01	0.00	0.00	0.02	0.00	19.76	1.02	0.00	0.00	0.02	0.00
19.78	1.12	0.00	0.00	0.02	0.00	19.80	1.22	0.00	0.00	0.02	0.00
19.82	1.19	0.00	0.00	0.02	0.00	19.84	1.14	0.00	0.00	0.02	0.00
19.86	1.10	0.00	0.00	0.02	0.00	19.88	1.09	0.00	0.00	0.02	0.00
19.90	1.07	0.00	0.00	0.02	0.00	19.92	1.06	0.00	0.00	0.02	0.00
19.94	1.06	0.00	0.00	0.02	0.00	19.96	1.08	0.00	0.00	0.02	0.00
19.98	1.11	0.00	0.00	0.02	0.00	20.00	1.12	0.00	0.00	0.02	0.00

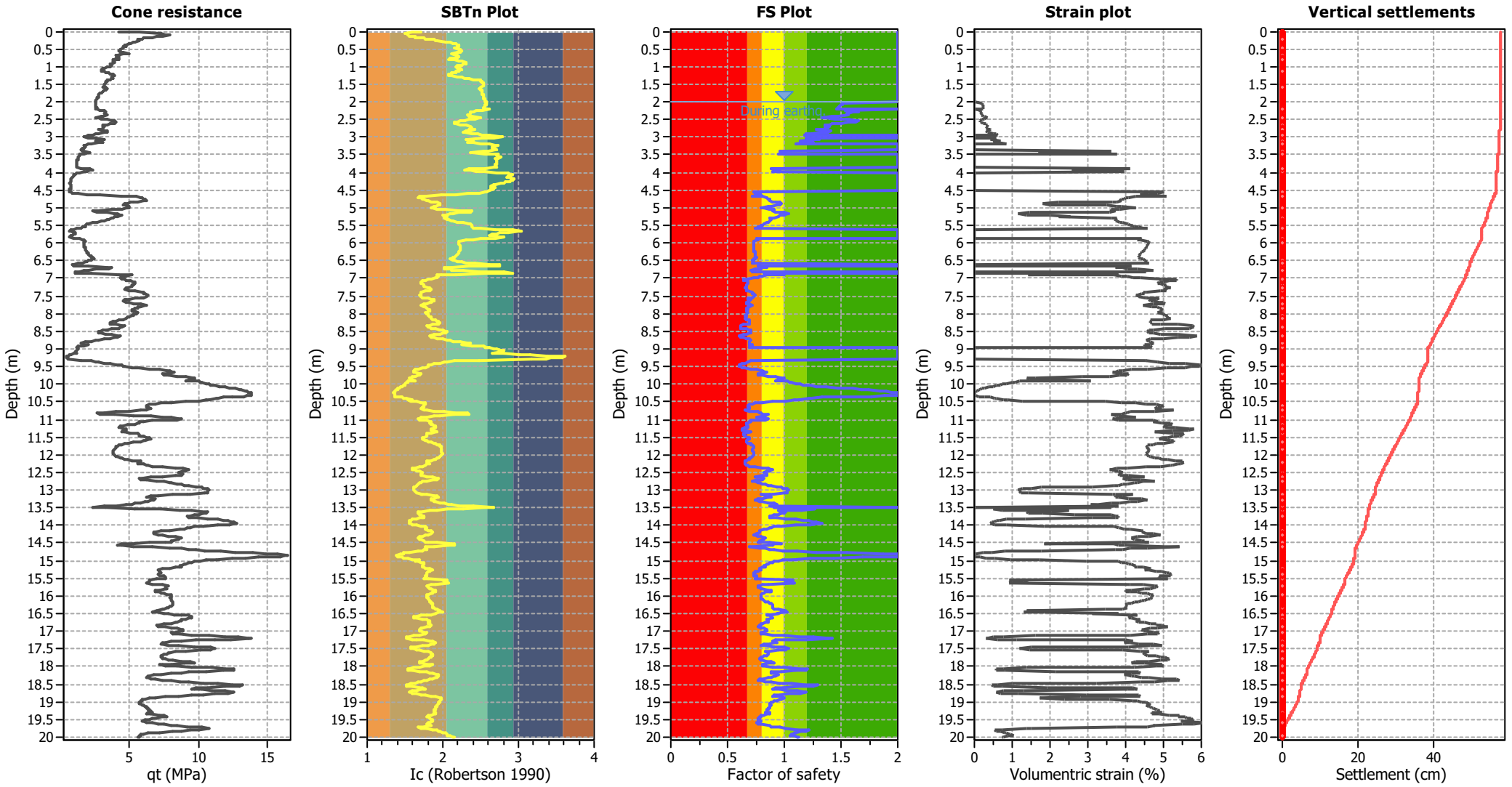
Overall liquefaction potential: 11.58

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.72	71.34	1.00	71.34	13	33792	0.10	0.000	0.00	3.58	0.00	0.000
0.04	1.59	96.21	1.00	96.21	17	38865	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.50	121.08	1.00	121.08	21	43353	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.51	121.94	1.00	121.94	21	44429	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.54	127.78	1.00	127.78	23	48264	0.09	0.000	0.00	3.58	0.00	0.000
0.12	1.54	133.30	1.00	133.30	24	50316	0.08	0.000	0.00	3.58	0.00	0.000
0.14	1.55	124.34	1.00	124.34	22	47637	0.09	0.000	0.00	3.58	0.00	0.000
0.16	1.64	118.10	1.00	118.10	22	50327	0.09	0.001	0.00	3.58	0.00	0.000
0.18	1.63	112.20	1.00	112.20	20	47590	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.74	101.97	1.07	109.18	21	49649	0.10	0.001	0.00	3.58	0.00	0.000
0.22	1.78	99.95	1.12	112.25	22	50806	0.10	0.001	0.00	3.58	0.00	0.000
0.24	1.89	93.59	1.23	114.96	23	54790	0.09	0.001	0.00	3.58	0.00	0.000
0.26	1.90	94.26	1.24	116.78	23	56283	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.93	95.25	1.26	119.64	24	58788	0.09	0.001	0.00	3.58	0.00	0.000
0.30	2.05	90.23	1.35	122.04	26	64723	0.08	0.001	0.00	3.58	0.00	0.000
0.32	2.09	88.72	1.41	124.73	27	67218	0.08	0.001	0.00	3.58	0.00	0.000
0.34	2.14	85.71	1.48	127.06	28	68982	0.08	0.001	0.00	3.58	0.00	0.000
0.36	2.17	83.35	1.54	128.34	29	69595	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.20	79.34	1.61	127.93	29	68957	0.08	0.001	0.00	3.58	0.00	0.000
0.40	2.21	77.82	1.65	128.40	29	68898	0.08	0.001	0.00	3.58	0.00	0.000
0.42	2.19	79.99	1.59	126.88	28	68571	0.08	0.001	0.00	3.58	0.00	0.000
0.44	2.21	75.97	1.64	124.89	28	67067	0.08	0.001	0.00	3.58	0.00	0.000
0.46	2.18	75.62	1.57	118.64	27	64212	0.08	0.001	0.00	3.58	0.00	0.000
0.48	2.15	76.62	1.51	115.58	26	62745	0.08	0.001	0.00	3.58	0.00	0.000
0.50	2.20	73.10	1.62	118.75	27	63919	0.08	0.001	0.00	3.58	0.00	0.000
0.52	2.23	72.59	1.70	123.26	28	65708	0.08	0.001	0.00	3.58	0.00	0.000
0.54	2.25	70.91	1.77	125.24	29	66056	0.08	0.001	0.00	3.58	0.00	0.000
0.56	2.24	72.58	1.73	125.55	29	66608	0.08	0.001	0.00	3.58	0.00	0.000
0.58	2.24	73.60	1.72	126.75	29	67320	0.08	0.001	0.00	3.58	0.00	0.000
0.60	2.20	76.43	1.60	122.50	28	66096	0.08	0.002	0.00	3.58	0.00	0.000
0.62	2.11	82.96	1.43	118.52	26	64105	0.08	0.002	0.00	3.58	0.00	0.000
0.64	2.12	76.75	1.46	111.77	24	60612	0.09	0.002	0.00	3.58	0.00	0.000
0.66	2.17	69.04	1.54	106.52	24	57752	0.09	0.002	0.00	3.58	0.00	0.000
0.68	2.19	67.36	1.60	107.61	24	58093	0.09	0.002	0.00	3.58	0.00	0.000
0.70	2.21	68.55	1.65	113.18	26	60726	0.09	0.002	0.00	3.58	0.00	0.000
0.72	2.21	70.22	1.65	115.59	26	62055	0.09	0.002	0.00	3.58	0.00	0.000
0.74	2.20	70.72	1.62	114.35	26	61604	0.09	0.002	0.00	3.58	0.00	0.000
0.76	2.18	67.39	1.57	106.02	24	57359	0.09	0.002	0.00	3.58	0.00	0.000
0.78	2.10	71.40	1.41	100.89	22	54445	0.09	0.003	0.00	3.58	0.00	0.000
0.80	2.09	70.39	1.40	98.53	21	53033	0.09	0.003	0.00	3.58	0.00	0.000
0.82	2.15	63.18	1.51	95.33	21	51751	0.09	0.003	0.00	3.58	0.00	0.000
0.84	2.20	66.18	1.63	107.63	24	57922	0.09	0.003	0.00	3.58	0.00	0.000
0.86	2.24	64.50	1.74	111.98	26	59349	0.09	0.003	0.00	3.58	0.00	0.000
0.88	2.30	63.17	1.94	122.65	29	62719	0.09	0.002	0.00	3.58	0.00	0.000
0.90	2.31	65.67	1.96	128.64	30	65572	0.09	0.002	0.00	3.58	0.00	0.000
0.92	2.31	62.82	1.96	123.16	29	62762	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.26	60.80	1.80	109.36	25	57366	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.25	61.80	1.75	108.28	25	57241	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.20	61.46	1.61	99.17	22	53445	0.09	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.17	59.78	1.53	91.72	20	49753	0.09	0.004	0.00	3.58	0.00	0.000
1.02	2.17	56.58	1.54	87.05	19	47207	0.09	0.004	0.00	3.58	0.00	0.000
1.04	2.20	53.57	1.60	85.87	19	46332	0.09	0.004	0.00	3.58	0.00	0.000
1.06	2.24	51.05	1.72	87.96	20	46712	0.09	0.004	0.00	3.58	0.00	0.000
1.08	2.24	49.70	1.73	86.01	20	45625	0.09	0.004	0.00	3.58	0.00	0.000
1.10	2.23	49.53	1.69	83.54	19	44603	0.09	0.005	0.00	3.58	0.00	0.000
1.12	2.21	50.36	1.64	82.43	19	44308	0.09	0.005	0.01	3.58	0.00	0.000
1.14	2.18	52.55	1.56	82.07	18	44441	0.09	0.005	0.01	3.58	0.00	0.000
1.16	2.17	54.57	1.53	83.76	19	45430	0.09	0.005	0.01	3.58	0.00	0.000
1.18	2.12	58.59	1.45	84.67	18	45879	0.09	0.005	0.01	3.58	0.00	0.000
1.20	2.11	61.09	1.43	87.39	19	47277	0.09	0.005	0.00	3.58	0.00	0.000
1.22	2.08	64.43	1.39	89.35	19	47944	0.09	0.005	0.00	3.58	0.00	0.000
1.24	2.08	65.60	1.39	91.05	20	48870	0.09	0.005	0.00	3.58	0.00	0.000
1.26	2.11	65.42	1.44	94.27	21	51057	0.09	0.004	0.00	3.58	0.00	0.000
1.28	2.19	62.57	1.58	98.90	22	53476	0.09	0.004	0.00	3.58	0.00	0.000
1.30	2.25	62.40	1.75	108.98	25	57664	0.09	0.004	0.00	3.58	0.00	0.000
1.32	2.29	63.06	1.89	119.23	28	61540	0.09	0.004	0.00	3.58	0.00	0.000
1.34	2.35	61.72	2.15	132.89	32	65326	0.09	0.004	0.00	3.58	0.00	0.000
1.36	2.41	59.53	2.43	144.58	36	67587	0.09	0.004	0.00	3.58	0.00	0.000
1.38	2.46	58.01	2.73	158.41	40	70329	0.09	0.003	0.00	3.58	0.00	0.000
1.40	2.49	56.67	2.93	166.09	43	71436	0.09	0.003	0.00	3.58	0.00	0.000
1.42	2.51	56.33	3.03	170.81	44	72349	0.09	0.003	0.00	3.58	0.00	0.000
1.44	2.52	55.81	3.14	175.17	46	73047	0.09	0.003	0.00	3.58	0.00	0.000
1.46	2.53	55.13	3.18	175.46	46	72707	0.09	0.004	0.00	3.58	0.00	0.000
1.48	2.54	54.78	3.23	177.17	46	72886	0.09	0.004	0.00	3.58	0.00	0.000
1.50	2.54	53.76	3.29	176.69	46	72162	0.09	0.004	0.00	3.58	0.00	0.000
1.52	2.54	53.41	3.25	173.42	45	71211	0.09	0.004	0.00	3.58	0.00	0.000
1.54	2.54	53.21	3.26	173.58	46	71131	0.09	0.004	0.00	3.58	0.00	0.000
1.56	2.54	52.85	3.29	173.66	46	70930	0.09	0.004	0.00	3.58	0.00	0.000
1.58	2.50	51.33	2.96	151.83	39	65034	0.09	0.004	0.00	3.58	0.00	0.000
1.60	2.51	54.68	3.04	166.40	43	70364	0.09	0.004	0.00	3.58	0.00	0.000
1.62	2.49	55.34	2.93	162.12	42	69745	0.09	0.004	0.00	3.58	0.00	0.000
1.64	2.48	56.34	2.83	159.27	41	69626	0.09	0.004	0.00	3.58	0.00	0.000
1.66	2.50	54.33	2.97	161.17	42	68942	0.09	0.004	0.00	3.58	0.00	0.000
1.68	2.51	52.81	3.06	161.69	42	68187	0.09	0.004	0.00	3.58	0.00	0.000
1.70	2.52	51.64	3.12	160.85	42	67304	0.09	0.004	0.00	3.58	0.00	0.000
1.72	2.52	50.79	3.15	159.89	42	66585	0.09	0.005	0.00	3.58	0.00	0.000
1.74	2.53	50.29	3.18	159.68	42	66238	0.09	0.005	0.00	3.58	0.00	0.000
1.76	2.51	47.40	3.07	145.54	38	61295	0.09	0.005	0.00	3.58	0.00	0.000
1.78	2.52	46.72	3.14	146.54	38	61126	0.09	0.005	0.00	3.58	0.00	0.000
1.80	2.53	46.04	3.20	147.22	39	60877	0.09	0.005	0.00	3.58	0.00	0.000
1.82	2.53	46.37	3.20	148.31	39	61317	0.09	0.005	0.00	3.58	0.00	0.000
1.84	2.54	45.69	3.26	148.99	39	61066	0.09	0.005	0.00	3.58	0.00	0.000
1.86	2.54	45.19	3.26	147.20	39	60359	0.09	0.006	0.00	3.58	0.00	0.000
1.88	2.54	44.51	3.25	144.66	38	59380	0.09	0.006	0.00	3.58	0.00	0.000
1.90	2.54	43.83	3.29	144.27	38	58881	0.09	0.006	0.00	3.58	0.00	0.000
1.92	2.55	43.66	3.35	146.10	39	59181	0.09	0.006	0.00	3.58	0.00	0.000
1.94	2.56	43.31	3.38	146.59	39	59076	0.09	0.006	0.00	3.58	0.00	0.000
1.96	2.56	42.80	3.42	146.35	39	58709	0.09	0.006	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.56	42.63	3.45	146.95	39	58737	0.09	0.006	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	103.75	2.00	0.00	1.00	0.00	2.02	103.45	1.52	0.20	1.00	0.00
2.04	103.33	1.51	0.21	1.00	0.00	2.06	103.42	1.51	0.21	1.00	0.00
2.08	103.52	1.50	0.21	1.00	0.00	2.10	103.52	1.50	0.22	1.00	0.00
2.12	103.40	1.49	0.23	1.00	0.00	2.14	103.77	1.49	0.23	1.00	0.00
2.16	103.63	1.48	0.23	1.00	0.00	2.18	103.59	1.47	0.24	1.00	0.00
2.20	103.15	1.46	0.25	1.00	0.00	2.22	42.52	2.00	0.00	1.00	0.00
2.24	107.93	1.54	0.20	1.00	0.00	2.26	111.70	1.62	0.16	1.00	0.00
2.28	113.05	1.65	0.14	1.00	0.00	2.30	111.51	1.60	0.17	1.00	0.00
2.32	110.16	1.57	0.19	1.00	0.00	2.34	109.97	1.56	0.20	1.00	0.00
2.36	110.42	1.56	0.19	1.00	0.00	2.38	111.02	1.57	0.19	1.00	0.00
2.40	107.08	1.48	0.25	1.00	0.00	2.42	104.83	1.43	0.28	1.00	0.01
2.44	99.93	1.33	0.36	1.00	0.01	2.46	102.67	1.38	0.32	1.00	0.01
2.48	107.01	1.45	0.26	1.00	0.01	2.50	112.13	1.56	0.20	1.00	0.00
2.52	115.19	1.63	0.16	1.00	0.00	2.54	116.41	1.66	0.15	1.00	0.00
2.56	115.47	1.63	0.16	1.00	0.00	2.58	113.30	1.57	0.19	1.00	0.00
2.60	110.74	1.50	0.24	1.00	0.00	2.62	107.07	1.42	0.29	1.00	0.01
2.64	105.67	1.39	0.32	1.00	0.01	2.66	104.08	1.36	0.35	1.00	0.01
2.68	104.69	1.36	0.34	1.00	0.01	2.70	106.65	1.40	0.32	1.00	0.01
2.72	106.00	1.38	0.33	1.00	0.01	2.74	105.13	1.36	0.35	1.00	0.01
2.76	105.37	1.36	0.35	1.00	0.01	2.78	101.16	1.28	0.43	1.00	0.01
2.80	101.53	1.29	0.43	1.00	0.01	2.82	105.65	1.35	0.36	1.00	0.01
2.84	108.44	1.40	0.32	1.00	0.01	2.86	107.42	1.38	0.34	1.00	0.01
2.88	104.07	1.32	0.40	1.00	0.01	2.90	99.71	1.24	0.49	1.00	0.01
2.92	97.01	1.20	0.56	1.00	0.01	2.94	95.64	1.17	0.60	1.00	0.01
2.96	31.10	2.00	0.00	1.00	0.00	2.98	27.04	2.00	0.00	1.00	0.00
3.00	25.84	2.00	0.00	1.00	0.00	3.02	30.07	2.00	0.00	1.00	0.00
3.04	98.03	1.19	0.57	1.00	0.01	3.06	105.02	1.30	0.42	1.00	0.01
3.08	102.78	1.26	0.47	1.00	0.01	3.10	95.05	1.14	0.68	1.00	0.01
3.12	97.91	1.18	0.60	1.00	0.01	3.14	102.85	1.25	0.49	1.00	0.01
3.16	98.53	1.18	0.60	1.00	0.01	3.18	92.19	1.10	0.84	1.00	0.02
3.20	29.51	2.00	0.00	1.00	0.00	3.22	27.05	2.00	0.00	1.00	0.00
3.24	26.02	2.00	0.00	1.00	0.00	3.26	26.83	2.00	0.00	1.00	0.00
3.28	26.24	2.00	0.00	1.00	0.00	3.30	25.23	2.00	0.00	1.00	0.00
3.32	24.06	2.00	0.00	1.00	0.00	3.34	22.48	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	21.74	2.00	0.00	1.00	0.00	3.38	81.23	0.96	3.61	1.00	0.07
3.40	82.16	0.96	2.97	1.00	0.06	3.42	85.66	1.00	1.71	1.00	0.03
3.44	84.89	0.99	1.93	1.00	0.04	3.46	81.72	0.95	3.77	1.00	0.08
3.48	20.84	2.00	0.00	1.00	0.00	3.50	20.79	2.00	0.00	1.00	0.00
3.52	20.76	2.00	0.00	1.00	0.00	3.54	20.59	2.00	0.00	1.00	0.00
3.56	19.15	2.00	0.00	1.00	0.00	3.58	18.42	2.00	0.00	1.00	0.00
3.60	18.54	2.00	0.00	1.00	0.00	3.62	18.81	2.00	0.00	1.00	0.00
3.64	18.07	2.00	0.00	1.00	0.00	3.66	17.91	2.00	0.00	1.00	0.00
3.68	17.47	2.00	0.00	1.00	0.00	3.70	16.88	2.00	0.00	1.00	0.00
3.72	16.86	2.00	0.00	1.00	0.00	3.74	16.83	2.00	0.00	1.00	0.00
3.76	16.95	2.00	0.00	1.00	0.00	3.78	17.20	2.00	0.00	1.00	0.00
3.80	17.18	2.00	0.00	1.00	0.00	3.82	16.87	2.00	0.00	1.00	0.00
3.84	16.85	2.00	0.00	1.00	0.00	3.86	17.52	2.00	0.00	1.00	0.00
3.88	77.50	0.88	4.13	1.00	0.08	3.90	84.04	0.94	3.82	1.00	0.08
3.92	86.44	0.96	2.59	1.00	0.05	3.94	84.13	0.94	3.82	1.00	0.08
3.96	82.21	0.92	3.91	1.00	0.08	3.98	80.66	0.90	3.98	1.00	0.08
4.00	20.04	2.00	0.00	1.00	0.00	4.02	16.99	2.00	0.00	1.00	0.00
4.04	15.18	2.00	0.00	1.00	0.00	4.06	14.06	2.00	0.00	1.00	0.00
4.08	13.36	2.00	0.00	1.00	0.00	4.10	13.06	2.00	0.00	1.00	0.00
4.12	12.64	2.00	0.00	1.00	0.00	4.14	12.34	2.00	0.00	1.00	0.00
4.16	11.63	2.00	0.00	1.00	0.00	4.18	11.20	2.00	0.00	1.00	0.00
4.20	10.49	2.00	0.00	1.00	0.00	4.22	10.48	2.00	0.00	1.00	0.00
4.24	10.19	2.00	0.00	1.00	0.00	4.26	10.04	2.00	0.00	1.00	0.00
4.28	10.04	2.00	0.00	1.00	0.00	4.30	9.89	2.00	0.00	1.00	0.00
4.32	10.03	2.00	0.00	1.00	0.00	4.34	10.30	2.00	0.00	1.00	0.00
4.36	10.43	2.00	0.00	1.00	0.00	4.38	10.98	2.00	0.00	1.00	0.00
4.40	10.82	2.00	0.00	1.00	0.00	4.42	10.40	2.00	0.00	1.00	0.00
4.44	10.53	2.00	0.00	1.00	0.00	4.46	10.11	2.00	0.00	1.00	0.00
4.48	9.55	2.00	0.00	1.00	0.00	4.50	9.69	2.00	0.00	1.00	0.00
4.52	9.95	2.00	0.00	1.00	0.00	4.54	63.39	0.74	4.98	1.00	0.10
4.56	63.29	0.74	4.99	1.00	0.10	4.58	65.24	0.75	4.85	1.00	0.10
4.60	68.91	0.77	4.62	1.00	0.09	4.62	72.72	0.80	4.39	1.00	0.09
4.64	70.57	0.78	4.51	1.00	0.09	4.66	62.19	0.72	5.07	1.00	0.10
4.68	74.72	0.81	4.28	1.00	0.09	4.70	78.77	0.84	4.07	1.00	0.08
4.72	79.88	0.85	4.01	1.00	0.08	4.74	81.23	0.86	3.95	1.00	0.08
4.76	82.69	0.87	3.88	1.00	0.08	4.78	83.15	0.87	3.86	1.00	0.08
4.80	83.07	0.87	3.87	1.00	0.08	4.82	85.17	0.89	3.77	1.00	0.08
4.84	88.36	0.92	3.64	1.00	0.07	4.86	92.03	0.96	2.22	1.00	0.04
4.88	93.71	0.98	1.81	1.00	0.04	4.90	93.85	0.98	1.80	1.00	0.04
4.92	92.97	0.97	2.01	1.00	0.04	4.94	89.75	0.93	3.48	1.00	0.07
4.96	85.06	0.88	3.78	1.00	0.08	4.98	82.51	0.86	3.89	1.00	0.08
5.00	74.95	0.80	4.27	1.00	0.09	5.02	77.84	0.82	4.12	1.00	0.08
5.04	83.28	0.87	3.86	1.00	0.08	5.06	88.48	0.91	3.63	1.00	0.07
5.08	88.50	0.91	3.63	1.00	0.07	5.10	86.44	0.89	3.72	1.00	0.07
5.12	90.06	0.93	3.57	1.00	0.07	5.14	96.78	1.00	1.45	1.00	0.03
5.16	99.51	1.03	1.17	1.00	0.02	5.18	99.13	1.03	1.21	1.00	0.02
5.20	97.35	1.01	1.40	1.00	0.03	5.22	93.81	0.96	2.02	1.00	0.04
5.24	92.27	0.95	2.52	1.00	0.05	5.26	93.16	0.95	2.23	1.00	0.04
5.28	88.84	0.91	3.62	1.00	0.07	5.30	85.58	0.88	3.75	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	86.40	0.88	3.72	1.00	0.07	5.34	86.10	0.88	3.73	1.00	0.07
5.36	85.75	0.88	3.75	1.00	0.07	5.38	84.95	0.87	3.78	1.00	0.08
5.40	83.77	0.86	3.83	1.00	0.08	5.42	82.03	0.84	3.91	1.00	0.08
5.44	79.40	0.82	4.04	1.00	0.08	5.46	78.86	0.81	4.06	1.00	0.08
5.48	77.52	0.80	4.13	1.00	0.08	5.50	76.64	0.80	4.18	1.00	0.08
5.52	76.37	0.79	4.19	1.00	0.08	5.54	75.44	0.79	4.24	1.00	0.08
5.56	73.51	0.77	4.35	1.00	0.09	5.58	71.51	0.76	4.46	1.00	0.09
5.60	69.74	0.74	4.56	1.00	0.09	5.62	12.03	2.00	0.00	1.00	0.00
5.64	9.32	2.00	0.00	1.00	0.00	5.66	8.54	2.00	0.00	1.00	0.00
5.68	9.68	2.00	0.00	1.00	0.00	5.70	12.20	2.00	0.00	1.00	0.00
5.72	13.96	2.00	0.00	1.00	0.00	5.74	13.45	2.00	0.00	1.00	0.00
5.76	12.19	2.00	0.00	1.00	0.00	5.78	11.06	2.00	0.00	1.00	0.00
5.80	9.91	2.00	0.00	1.00	0.00	5.82	8.62	2.00	0.00	1.00	0.00
5.84	8.73	2.00	0.00	1.00	0.00	5.86	12.26	2.00	0.00	1.00	0.00
5.88	72.44	0.75	4.41	1.00	0.09	5.90	74.25	0.77	4.30	1.00	0.09
5.92	73.13	0.76	4.37	1.00	0.09	5.94	69.62	0.73	4.57	1.00	0.09
5.96	68.90	0.73	4.62	1.00	0.09	5.98	68.88	0.73	4.62	1.00	0.09
6.00	69.03	0.73	4.61	1.00	0.09	6.02	69.33	0.73	4.59	1.00	0.09
6.04	69.50	0.73	4.58	1.00	0.09	6.06	69.65	0.73	4.57	1.00	0.09
6.08	69.88	0.73	4.56	1.00	0.09	6.10	69.81	0.73	4.56	1.00	0.09
6.12	70.29	0.73	4.53	1.00	0.09	6.14	70.29	0.73	4.53	1.00	0.09
6.16	70.58	0.73	4.51	1.00	0.09	6.18	70.63	0.73	4.51	1.00	0.09
6.20	70.89	0.74	4.50	1.00	0.09	6.22	71.22	0.74	4.48	1.00	0.09
6.24	71.38	0.74	4.47	1.00	0.09	6.26	71.91	0.74	4.44	1.00	0.09
6.28	71.93	0.74	4.43	1.00	0.09	6.30	72.48	0.74	4.40	1.00	0.09
6.32	72.77	0.75	4.39	1.00	0.09	6.34	72.94	0.75	4.38	1.00	0.09
6.36	73.17	0.75	4.36	1.00	0.09	6.38	73.47	0.75	4.35	1.00	0.09
6.40	73.63	0.75	4.34	1.00	0.09	6.42	73.81	0.75	4.33	1.00	0.09
6.44	72.89	0.74	4.38	1.00	0.09	6.46	71.55	0.73	4.46	1.00	0.09
6.48	70.85	0.73	4.50	1.00	0.09	6.50	70.02	0.72	4.55	1.00	0.09
6.52	70.36	0.73	4.53	1.00	0.09	6.54	70.89	0.73	4.50	1.00	0.09
6.56	70.45	0.72	4.52	1.00	0.09	6.58	68.94	0.71	4.61	1.00	0.09
6.60	12.46	2.00	0.00	1.00	0.00	6.62	10.85	2.00	0.00	1.00	0.00
6.64	11.93	2.00	0.00	1.00	0.00	6.66	77.17	0.77	4.15	1.00	0.08
6.68	85.83	0.84	3.74	1.00	0.07	6.70	82.09	0.81	3.91	1.00	0.08
6.72	79.72	0.79	4.02	1.00	0.08	6.74	74.26	0.75	4.30	1.00	0.09
6.76	66.93	0.70	4.74	1.00	0.09	6.78	70.11	0.72	4.54	1.00	0.09
6.80	70.42	0.72	4.52	1.00	0.09	6.82	13.02	2.00	0.00	1.00	0.00
6.84	13.35	2.00	0.00	1.00	0.00	6.86	84.20	0.82	3.82	1.00	0.08
6.88	100.89	1.00	1.43	1.00	0.03	6.90	96.49	0.94	2.27	1.00	0.05
6.92	86.72	0.84	3.71	1.00	0.07	6.94	82.34	0.81	3.90	1.00	0.08
6.96	79.66	0.79	4.03	1.00	0.08	6.98	76.71	0.76	4.17	1.00	0.08
7.00	72.94	0.74	4.38	1.00	0.09	7.02	63.56	0.68	4.97	1.00	0.10
7.04	58.43	0.65	5.36	1.00	0.11	7.06	58.43	0.65	5.36	1.00	0.11
7.08	61.07	0.66	5.15	1.00	0.10	7.10	63.28	0.67	4.99	1.00	0.10
7.12	64.69	0.68	4.89	1.00	0.10	7.14	65.31	0.69	4.85	1.00	0.10
7.16	64.45	0.68	4.91	1.00	0.10	7.18	63.15	0.67	5.00	1.00	0.10
7.20	62.08	0.67	5.08	1.00	0.10	7.22	62.47	0.67	5.05	1.00	0.10
7.24	62.41	0.67	5.05	1.00	0.10	7.26	60.52	0.66	5.19	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	61.37	0.66	5.13	1.00	0.10	7.30	62.82	0.67	5.02	1.00	0.10
7.32	63.19	0.67	5.00	1.00	0.10	7.34	62.06	0.66	5.08	1.00	0.10
7.36	64.05	0.68	4.94	1.00	0.10	7.38	70.23	0.71	4.54	1.00	0.09
7.40	71.60	0.72	4.45	1.00	0.09	7.42	71.09	0.72	4.48	1.00	0.09
7.44	72.12	0.73	4.42	1.00	0.09	7.46	74.15	0.74	4.31	1.00	0.09
7.48	74.63	0.74	4.28	1.00	0.09	7.50	73.01	0.73	4.37	1.00	0.09
7.52	73.38	0.73	4.35	1.00	0.09	7.54	70.44	0.71	4.52	1.00	0.09
7.56	65.05	0.68	4.87	1.00	0.10	7.58	65.92	0.69	4.81	1.00	0.10
7.60	68.38	0.70	4.65	1.00	0.09	7.62	68.94	0.70	4.61	1.00	0.09
7.64	68.07	0.70	4.67	1.00	0.09	7.66	67.17	0.69	4.73	1.00	0.09
7.68	64.91	0.68	4.88	1.00	0.10	7.70	63.18	0.67	5.00	1.00	0.10
7.72	62.68	0.67	5.03	1.00	0.10	7.74	67.02	0.69	4.74	1.00	0.09
7.76	71.67	0.72	4.45	1.00	0.09	7.78	71.17	0.72	4.48	1.00	0.09
7.80	67.49	0.69	4.71	1.00	0.09	7.82	65.62	0.68	4.83	1.00	0.10
7.84	64.74	0.68	4.89	1.00	0.10	7.86	63.60	0.67	4.97	1.00	0.10
7.88	63.76	0.67	4.96	1.00	0.10	7.90	64.26	0.67	4.92	1.00	0.10
7.92	63.90	0.67	4.95	1.00	0.10	7.94	63.94	0.67	4.94	1.00	0.10
7.96	65.18	0.68	4.86	1.00	0.10	7.98	65.15	0.68	4.86	1.00	0.10
8.00	63.41	0.67	4.98	1.00	0.10	8.02	63.10	0.67	5.00	1.00	0.10
8.04	62.68	0.66	5.03	1.00	0.10	8.06	61.76	0.66	5.10	1.00	0.10
8.08	61.96	0.66	5.09	1.00	0.10	8.10	62.22	0.66	5.07	1.00	0.10
8.12	61.18	0.66	5.14	1.00	0.10	8.14	60.62	0.65	5.19	1.00	0.10
8.16	62.96	0.67	5.01	1.00	0.10	8.18	68.15	0.70	4.66	1.00	0.09
8.20	67.75	0.69	4.69	1.00	0.09	8.22	68.07	0.70	4.67	1.00	0.09
8.24	68.17	0.70	4.66	1.00	0.09	8.26	67.96	0.70	4.67	1.00	0.09
8.28	67.49	0.69	4.71	1.00	0.09	8.30	64.00	0.67	4.94	1.00	0.10
8.32	58.21	0.64	5.38	1.00	0.11	8.34	53.59	0.61	5.78	1.00	0.12
8.36	53.90	0.62	5.75	1.00	0.12	8.38	53.45	0.61	5.79	1.00	0.12
8.40	53.69	0.61	5.77	1.00	0.12	8.42	54.72	0.62	5.68	1.00	0.11
8.44	62.60	0.66	5.04	1.00	0.10	8.46	67.36	0.69	4.71	1.00	0.09
8.48	69.18	0.70	4.60	1.00	0.09	8.50	69.69	0.71	4.57	1.00	0.09
8.52	69.38	0.70	4.59	1.00	0.09	8.54	69.18	0.70	4.60	1.00	0.09
8.56	67.20	0.69	4.72	1.00	0.09	8.58	63.97	0.67	4.94	1.00	0.10
8.60	58.28	0.64	5.37	1.00	0.11	8.62	52.79	0.61	5.86	1.00	0.12
8.64	52.37	0.61	5.90	1.00	0.12	8.66	54.39	0.62	5.71	1.00	0.11
8.68	58.05	0.64	5.39	1.00	0.11	8.70	63.27	0.67	4.99	1.00	0.10
8.72	68.17	0.70	4.66	1.00	0.09	8.74	69.88	0.71	4.56	1.00	0.09
8.76	69.61	0.70	4.57	1.00	0.09	8.78	68.62	0.70	4.63	1.00	0.09
8.80	68.04	0.69	4.67	1.00	0.09	8.82	67.10	0.69	4.73	1.00	0.09
8.84	67.11	0.69	4.73	1.00	0.09	8.86	68.34	0.70	4.65	1.00	0.09
8.88	70.94	0.71	4.49	1.00	0.09	8.90	71.00	0.71	4.49	1.00	0.09
8.92	68.55	0.70	4.64	1.00	0.09	8.94	67.41	0.69	4.71	1.00	0.09
8.96	68.08	0.69	4.67	1.00	0.09	8.98	14.19	2.00	0.00	1.00	0.00
9.00	14.60	2.00	0.00	1.00	0.00	9.02	14.37	2.00	0.00	1.00	0.00
9.04	13.38	2.00	0.00	1.00	0.00	9.06	12.49	2.00	0.00	1.00	0.00
9.08	12.05	2.00	0.00	1.00	0.00	9.10	11.39	2.00	0.00	1.00	0.00
9.12	13.23	2.00	0.00	1.00	0.00	9.14	10.61	2.00	0.00	1.00	0.00
9.16	8.64	2.00	0.00	1.00	0.00	9.18	7.44	2.00	0.00	1.00	0.00
9.20	6.01	2.00	0.00	1.00	0.00	9.22	4.81	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	4.92	2.00	0.00	1.00	0.00	9.26	5.78	2.00	0.00	1.00	0.00
9.28	5.67	2.00	0.00	1.00	0.00	9.30	6.21	2.00	0.00	1.00	0.00
9.32	70.09	0.71	4.54	1.00	0.09	9.34	69.90	0.71	4.56	1.00	0.09
9.36	65.49	0.68	4.84	1.00	0.10	9.38	65.28	0.68	4.85	1.00	0.10
9.40	61.29	0.65	5.14	1.00	0.10	9.42	55.95	0.62	5.57	1.00	0.11
9.44	51.52	0.60	5.98	1.00	0.12	9.46	50.87	0.60	6.05	1.00	0.12
9.48	51.66	0.60	5.97	1.00	0.12	9.50	54.03	0.61	5.74	1.00	0.11
9.52	55.99	0.62	5.56	1.00	0.11	9.54	61.85	0.66	5.09	1.00	0.10
9.56	69.75	0.70	4.56	1.00	0.09	9.58	77.08	0.75	4.15	1.00	0.08
9.60	82.00	0.79	3.91	1.00	0.08	9.62	84.52	0.81	3.80	1.00	0.08
9.64	86.20	0.83	3.73	1.00	0.07	9.66	83.65	0.81	3.84	1.00	0.08
9.68	87.91	0.84	3.66	1.00	0.07	9.70	81.75	0.79	3.93	1.00	0.08
9.72	78.48	0.77	4.08	1.00	0.08	9.74	79.65	0.77	4.03	1.00	0.08
9.76	83.29	0.80	3.86	1.00	0.08	9.78	89.70	0.86	3.58	1.00	0.07
9.80	95.78	0.92	2.85	1.00	0.06	9.82	100.51	0.98	1.60	1.00	0.03
9.84	102.26	1.00	1.38	1.00	0.03	9.86	101.36	0.99	1.48	1.00	0.03
9.88	98.32	0.95	1.99	1.00	0.04	9.90	95.28	0.92	3.07	1.00	0.06
9.92	104.28	1.03	1.18	1.00	0.02	9.94	105.52	1.05	1.08	1.00	0.02
9.96	106.66	1.06	1.00	1.00	0.02	9.98	109.63	1.11	0.83	1.00	0.02
10.00	111.88	1.15	0.73	1.00	0.01	10.02	113.01	1.17	0.69	1.00	0.01
10.04	116.37	1.23	0.57	1.00	0.01	10.06	119.02	1.28	0.48	1.00	0.01
10.08	122.87	1.37	0.38	1.00	0.01	10.10	126.72	1.47	0.29	1.00	0.01
10.12	130.86	1.60	0.20	1.00	0.00	10.14	133.19	1.68	0.15	1.00	0.00
10.16	134.81	1.74	0.11	1.00	0.00	10.18	137.33	1.84	0.07	1.00	0.00
10.20	138.65	1.90	0.04	1.00	0.00	10.22	139.66	1.95	0.02	1.00	0.00
10.24	141.48	2.00	0.00	1.00	0.00	10.26	141.28	2.00	0.00	1.00	0.00
10.28	141.69	2.00	0.00	1.00	0.00	10.30	141.10	2.00	0.00	1.00	0.00
10.32	138.30	1.89	0.05	1.00	0.00	10.34	135.60	1.78	0.10	1.00	0.00
10.36	127.38	1.50	0.27	1.00	0.01	10.38	120.86	1.33	0.43	1.00	0.01
10.40	116.35	1.23	0.56	1.00	0.01	10.42	115.66	1.22	0.58	1.00	0.01
10.44	110.54	1.13	0.77	1.00	0.02	10.46	108.15	1.09	0.89	1.00	0.02
10.48	102.73	1.01	1.27	1.00	0.03	10.50	92.98	0.90	3.46	1.00	0.07
10.52	82.61	0.81	3.89	1.00	0.08	10.54	74.92	0.75	4.27	1.00	0.09
10.56	70.07	0.72	4.54	1.00	0.09	10.58	66.14	0.69	4.79	1.00	0.10
10.60	64.17	0.68	4.93	1.00	0.10	10.62	63.41	0.67	4.98	1.00	0.10
10.64	63.55	0.68	4.97	1.00	0.10	10.66	65.22	0.69	4.85	1.00	0.10
10.68	66.78	0.70	4.75	1.00	0.10	10.70	65.92	0.69	4.81	1.00	0.10
10.72	63.55	0.68	4.97	1.00	0.10	10.74	59.52	0.65	5.27	1.00	0.11
10.76	66.67	0.70	4.76	1.00	0.10	10.78	77.80	0.77	4.12	1.00	0.08
10.80	79.41	0.78	4.04	1.00	0.08	10.82	79.99	0.79	4.01	1.00	0.08
10.84	82.37	0.81	3.90	1.00	0.08	10.86	88.55	0.86	3.63	1.00	0.07
10.88	84.95	0.83	3.78	1.00	0.08	10.90	83.99	0.82	3.82	1.00	0.08
10.92	75.23	0.75	4.25	1.00	0.09	10.94	81.07	0.80	3.96	1.00	0.08
10.96	85.89	0.84	3.74	1.00	0.07	10.98	88.12	0.86	3.65	1.00	0.07
11.00	84.65	0.83	3.80	1.00	0.08	11.02	67.01	0.70	4.74	1.00	0.09
11.04	65.20	0.69	4.86	1.00	0.10	11.06	67.00	0.70	4.74	1.00	0.09
11.08	67.11	0.70	4.73	1.00	0.09	11.10	63.75	0.68	4.96	1.00	0.10
11.12	60.74	0.66	5.18	1.00	0.10	11.14	60.19	0.66	5.22	1.00	0.10
11.16	61.80	0.67	5.10	1.00	0.10	11.18	62.64	0.68	5.04	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	63.21	0.68	5.00	1.00	0.10	11.22	62.72	0.68	5.03	1.00	0.10
11.24	59.00	0.66	5.31	1.00	0.11	11.26	54.60	0.63	5.69	1.00	0.11
11.28	53.46	0.63	5.79	1.00	0.12	11.30	55.01	0.63	5.65	1.00	0.11
11.32	60.13	0.66	5.22	1.00	0.10	11.34	66.01	0.70	4.80	1.00	0.10
11.36	66.36	0.70	4.78	1.00	0.10	11.38	59.43	0.66	5.28	1.00	0.11
11.40	56.16	0.64	5.55	1.00	0.11	11.42	56.57	0.64	5.52	1.00	0.11
11.44	56.81	0.64	5.49	1.00	0.11	11.46	57.55	0.65	5.43	1.00	0.11
11.48	59.38	0.66	5.28	1.00	0.11	11.50	61.68	0.67	5.11	1.00	0.10
11.52	63.90	0.69	4.95	1.00	0.10	11.54	64.93	0.69	4.87	1.00	0.10
11.56	63.80	0.69	4.95	1.00	0.10	11.58	60.56	0.67	5.19	1.00	0.10
11.60	59.78	0.66	5.25	1.00	0.11	11.62	59.65	0.66	5.26	1.00	0.11
11.64	60.26	0.67	5.21	1.00	0.10	11.66	63.24	0.68	4.99	1.00	0.10
11.68	66.09	0.70	4.80	1.00	0.10	11.70	66.81	0.71	4.75	1.00	0.09
11.72	68.35	0.72	4.65	1.00	0.09	11.74	69.44	0.72	4.58	1.00	0.09
11.76	69.63	0.73	4.57	1.00	0.09	11.78	69.80	0.73	4.56	1.00	0.09
11.80	70.04	0.73	4.55	1.00	0.09	11.82	69.67	0.73	4.57	1.00	0.09
11.84	68.91	0.72	4.62	1.00	0.09	11.86	68.67	0.72	4.63	1.00	0.09
11.88	69.06	0.72	4.61	1.00	0.09	11.90	68.93	0.72	4.61	1.00	0.09
11.92	69.74	0.73	4.56	1.00	0.09	11.94	69.30	0.72	4.59	1.00	0.09
11.96	70.32	0.73	4.53	1.00	0.09	11.98	70.34	0.73	4.53	1.00	0.09
12.00	69.73	0.73	4.57	1.00	0.09	12.02	69.54	0.73	4.58	1.00	0.09
12.04	68.64	0.72	4.63	1.00	0.09	12.06	68.13	0.72	4.66	1.00	0.09
12.08	66.76	0.71	4.75	1.00	0.10	12.10	64.55	0.70	4.90	1.00	0.10
12.12	63.88	0.69	4.95	1.00	0.10	12.14	61.59	0.68	5.11	1.00	0.10
12.16	59.23	0.67	5.30	1.00	0.11	12.18	56.92	0.65	5.48	1.00	0.11
12.20	56.78	0.65	5.50	1.00	0.11	12.22	56.13	0.65	5.55	1.00	0.11
12.24	57.29	0.66	5.45	1.00	0.11	12.26	57.99	0.66	5.40	1.00	0.11
12.28	59.86	0.67	5.25	1.00	0.10	12.30	60.79	0.68	5.17	1.00	0.10
12.32	64.11	0.70	4.93	1.00	0.10	12.34	70.45	0.74	4.52	1.00	0.09
12.36	79.71	0.81	4.02	1.00	0.08	12.38	85.57	0.85	3.76	1.00	0.08
12.40	89.00	0.89	3.61	1.00	0.07	12.42	89.52	0.89	3.59	1.00	0.07
12.44	88.29	0.88	3.64	1.00	0.07	12.46	87.06	0.87	3.69	1.00	0.07
12.48	84.28	0.85	3.81	1.00	0.08	12.50	81.70	0.82	3.93	1.00	0.08
12.52	82.41	0.83	3.90	1.00	0.08	12.54	83.89	0.84	3.83	1.00	0.08
12.56	84.60	0.85	3.80	1.00	0.08	12.58	83.66	0.84	3.84	1.00	0.08
12.60	78.77	0.80	4.07	1.00	0.08	12.62	71.02	0.75	4.49	1.00	0.09
12.64	76.09	0.78	4.21	1.00	0.08	12.66	81.02	0.82	3.96	1.00	0.08
12.68	81.60	0.83	3.93	1.00	0.08	12.70	79.78	0.81	4.02	1.00	0.08
12.72	72.74	0.76	4.39	1.00	0.09	12.74	66.51	0.72	4.77	1.00	0.10
12.76	71.19	0.75	4.48	1.00	0.09	12.78	74.49	0.77	4.29	1.00	0.09
12.80	75.97	0.78	4.21	1.00	0.08	12.82	79.27	0.81	4.04	1.00	0.08
12.84	82.19	0.83	3.91	1.00	0.08	12.86	84.62	0.86	3.80	1.00	0.08
12.88	87.34	0.88	3.68	1.00	0.07	12.90	92.18	0.93	3.10	1.00	0.06
12.92	96.05	0.97	1.78	1.00	0.04	12.94	97.72	0.99	1.51	1.00	0.03
12.96	99.86	1.02	1.26	1.00	0.03	12.98	100.94	1.03	1.16	1.00	0.02
13.00	100.38	1.03	1.20	1.00	0.02	13.02	100.21	1.03	1.22	1.00	0.02
13.04	100.33	1.03	1.20	1.00	0.02	13.06	99.97	1.02	1.23	1.00	0.02
13.08	98.17	1.00	1.42	1.00	0.03	13.10	87.94	0.89	3.66	1.00	0.07
13.12	85.96	0.87	3.74	1.00	0.07	13.14	76.30	0.79	4.19	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	81.69	0.84	3.93	1.00	0.08	13.18	85.97	0.88	3.74	1.00	0.07
13.20	86.46	0.88	3.72	1.00	0.07	13.22	84.37	0.86	3.81	1.00	0.08
13.24	78.55	0.81	4.08	1.00	0.08	13.26	72.21	0.77	4.42	1.00	0.09
13.28	69.75	0.75	4.56	1.00	0.09	13.30	71.12	0.76	4.48	1.00	0.09
13.32	74.38	0.78	4.30	1.00	0.09	13.34	78.01	0.81	4.11	1.00	0.08
13.36	83.53	0.86	3.84	1.00	0.08	13.38	88.65	0.90	3.63	1.00	0.07
13.40	91.09	0.93	3.27	1.00	0.07	13.42	91.38	0.93	3.06	1.00	0.06
13.44	89.17	0.91	3.61	1.00	0.07	13.46	84.70	0.87	3.79	1.00	0.08
13.48	21.17	2.00	0.00	1.00	0.00	13.50	88.62	0.91	3.63	1.00	0.07
13.52	106.14	1.12	0.79	1.00	0.02	13.54	114.28	1.27	0.50	1.00	0.01
13.56	107.78	1.15	0.71	1.00	0.01	13.58	92.26	0.95	2.49	1.00	0.05
13.60	93.60	0.96	2.05	1.00	0.04	13.62	97.52	1.01	1.37	1.00	0.03
13.64	97.07	1.00	1.42	1.00	0.03	13.66	94.63	0.98	1.79	1.00	0.04
13.68	91.72	0.94	2.64	1.00	0.05	13.70	88.91	0.92	3.62	1.00	0.07
13.72	86.11	0.89	3.73	1.00	0.07	13.74	83.97	0.87	3.83	1.00	0.08
13.76	84.19	0.87	3.82	1.00	0.08	13.78	85.82	0.89	3.74	1.00	0.07
13.80	90.56	0.93	3.13	1.00	0.06	13.82	97.20	1.01	1.36	1.00	0.03
13.84	103.95	1.10	0.86	1.00	0.02	13.86	108.34	1.17	0.67	1.00	0.01
13.88	111.02	1.22	0.58	1.00	0.01	13.90	112.75	1.25	0.53	1.00	0.01
13.92	114.67	1.29	0.47	1.00	0.01	13.94	116.59	1.33	0.42	1.00	0.01
13.96	115.84	1.31	0.44	1.00	0.01	13.98	111.68	1.23	0.55	1.00	0.01
14.00	103.46	1.10	0.87	1.00	0.02	14.02	93.68	0.97	1.84	1.00	0.04
14.04	87.37	0.91	3.68	1.00	0.07	14.06	84.80	0.89	3.79	1.00	0.08
14.08	83.07	0.87	3.87	1.00	0.08	14.10	80.79	0.85	3.97	1.00	0.08
14.12	77.61	0.83	4.13	1.00	0.08	14.14	72.02	0.78	4.43	1.00	0.09
14.16	71.73	0.78	4.45	1.00	0.09	14.18	72.03	0.78	4.43	1.00	0.09
14.20	71.78	0.78	4.44	1.00	0.09	14.22	69.89	0.77	4.56	1.00	0.09
14.24	67.23	0.75	4.72	1.00	0.09	14.26	64.28	0.73	4.92	1.00	0.10
14.28	65.16	0.74	4.86	1.00	0.10	14.30	69.01	0.76	4.61	1.00	0.09
14.32	73.95	0.80	4.32	1.00	0.09	14.34	77.41	0.83	4.14	1.00	0.08
14.36	76.90	0.82	4.16	1.00	0.08	14.38	75.64	0.82	4.23	1.00	0.08
14.40	75.22	0.81	4.25	1.00	0.09	14.42	72.21	0.79	4.42	1.00	0.09
14.44	71.06	0.78	4.49	1.00	0.09	14.46	70.81	0.78	4.50	1.00	0.09
14.48	68.61	0.77	4.63	1.00	0.09	14.50	82.66	0.88	3.88	1.00	0.08
14.52	92.62	0.98	1.86	1.00	0.04	14.54	86.85	0.92	3.70	1.00	0.07
14.56	84.34	0.89	3.81	1.00	0.08	14.58	80.66	0.86	3.98	1.00	0.08
14.60	62.51	0.73	5.05	1.00	0.10	14.62	57.74	0.70	5.42	1.00	0.11
14.64	69.69	0.78	4.57	1.00	0.09	14.66	77.64	0.84	4.13	1.00	0.08
14.68	81.73	0.87	3.93	1.00	0.08	14.70	86.23	0.91	3.73	1.00	0.07
14.72	92.74	0.98	1.76	1.00	0.04	14.74	103.09	1.11	0.81	1.00	0.02
14.76	113.14	1.28	0.47	1.00	0.01	14.78	124.46	1.55	0.22	1.00	0.00
14.80	133.84	1.87	0.05	1.00	0.00	14.82	140.98	2.00	0.00	1.00	0.00
14.84	148.34	2.00	0.00	1.00	0.00	14.86	146.54	2.00	0.00	1.00	0.00
14.88	142.93	2.00	0.00	1.00	0.00	14.90	128.63	1.69	0.14	1.00	0.00
14.92	119.51	1.43	0.32	1.00	0.01	14.94	110.06	1.23	0.55	1.00	0.01
14.96	99.84	1.08	0.95	1.00	0.02	14.98	92.27	0.98	1.74	1.00	0.03
15.00	88.61	0.95	2.96	1.00	0.06	15.02	84.78	0.91	3.79	1.00	0.08
15.04	82.98	0.89	3.87	1.00	0.08	15.06	80.36	0.87	3.99	1.00	0.08
15.08	78.66	0.86	4.07	1.00	0.08	15.10	77.33	0.84	4.14	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	75.36	0.83	4.24	1.00	0.08	15.14	74.67	0.82	4.28	1.00	0.09
15.16	75.35	0.83	4.25	1.00	0.08	15.18	74.30	0.82	4.30	1.00	0.09
15.20	71.53	0.80	4.46	1.00	0.09	15.22	68.08	0.78	4.67	1.00	0.09
15.24	68.16	0.78	4.66	1.00	0.09	15.26	71.06	0.80	4.49	1.00	0.09
15.28	68.90	0.78	4.62	1.00	0.09	15.30	65.88	0.76	4.81	1.00	0.10
15.32	63.57	0.75	4.97	1.00	0.10	15.34	62.25	0.74	5.06	1.00	0.10
15.36	61.28	0.73	5.14	1.00	0.10	15.38	60.59	0.73	5.19	1.00	0.10
15.40	60.48	0.73	5.20	1.00	0.10	15.42	60.78	0.73	5.17	1.00	0.10
15.44	64.62	0.76	4.90	1.00	0.10	15.46	64.18	0.76	4.93	1.00	0.10
15.48	64.54	0.76	4.90	1.00	0.10	15.50	64.54	0.76	4.90	1.00	0.10
15.52	61.33	0.74	5.13	1.00	0.10	15.54	98.89	1.08	0.93	1.00	0.02
15.56	93.13	1.01	1.42	1.00	0.03	15.58	93.89	1.02	1.32	1.00	0.03
15.60	97.55	1.06	1.01	1.00	0.02	15.62	98.59	1.08	0.94	1.00	0.02
15.64	99.02	1.08	0.91	1.00	0.02	15.66	77.51	0.86	4.13	1.00	0.08
15.68	71.56	0.81	4.46	1.00	0.09	15.70	66.55	0.78	4.77	1.00	0.10
15.72	65.61	0.77	4.83	1.00	0.10	15.74	65.80	0.77	4.82	1.00	0.10
15.76	66.60	0.78	4.76	1.00	0.10	15.78	68.31	0.79	4.65	1.00	0.09
15.80	70.94	0.81	4.49	1.00	0.09	15.82	77.02	0.86	4.16	1.00	0.08
15.84	80.09	0.89	4.00	1.00	0.08	15.86	79.95	0.88	4.01	1.00	0.08
15.88	77.82	0.87	4.12	1.00	0.08	15.90	74.00	0.84	4.32	1.00	0.09
15.92	72.29	0.82	4.41	1.00	0.09	15.94	69.70	0.80	4.57	1.00	0.09
15.96	68.04	0.79	4.67	1.00	0.09	15.98	67.37	0.79	4.71	1.00	0.09
16.00	67.60	0.79	4.70	1.00	0.09	16.02	67.80	0.79	4.69	1.00	0.09
16.04	67.73	0.79	4.69	1.00	0.09	16.06	67.95	0.79	4.68	1.00	0.09
16.08	68.51	0.80	4.64	1.00	0.09	16.10	69.41	0.81	4.58	1.00	0.09
16.12	70.97	0.82	4.49	1.00	0.09	16.14	71.97	0.83	4.43	1.00	0.09
16.16	73.50	0.84	4.35	1.00	0.09	16.18	75.48	0.85	4.24	1.00	0.08
16.20	77.29	0.87	4.14	1.00	0.08	16.22	79.23	0.89	4.05	1.00	0.08
16.24	80.05	0.90	4.01	1.00	0.08	16.26	79.54	0.89	4.03	1.00	0.08
16.28	80.32	0.90	3.99	1.00	0.08	16.30	80.08	0.90	4.01	1.00	0.08
16.32	79.90	0.90	4.01	1.00	0.08	16.34	79.73	0.89	4.02	1.00	0.08
16.36	81.81	0.91	3.92	1.00	0.08	16.38	85.15	0.95	3.48	1.00	0.07
16.40	91.46	1.01	1.38	1.00	0.03	16.42	87.78	0.97	2.08	1.00	0.04
16.44	91.97	1.02	1.31	1.00	0.03	16.46	88.62	0.98	1.84	1.00	0.04
16.48	84.10	0.94	3.82	1.00	0.08	16.50	85.36	0.95	3.11	1.00	0.06
16.52	77.70	0.88	4.12	1.00	0.08	16.54	73.85	0.85	4.33	1.00	0.09
16.56	76.34	0.87	4.19	1.00	0.08	16.58	77.53	0.88	4.13	1.00	0.08
16.60	78.19	0.89	4.10	1.00	0.08	16.62	78.50	0.89	4.08	1.00	0.08
16.64	77.04	0.88	4.16	1.00	0.08	16.66	74.52	0.86	4.29	1.00	0.09
16.68	72.55	0.84	4.40	1.00	0.09	16.70	74.30	0.86	4.30	1.00	0.09
16.72	74.80	0.86	4.27	1.00	0.09	16.74	73.63	0.85	4.34	1.00	0.09
16.76	70.74	0.83	4.50	1.00	0.09	16.78	68.00	0.81	4.67	1.00	0.09
16.80	65.67	0.80	4.82	1.00	0.10	16.82	66.18	0.80	4.79	1.00	0.10
16.84	63.84	0.78	4.95	1.00	0.10	16.86	62.44	0.77	5.05	1.00	0.10
16.88	61.57	0.77	5.11	1.00	0.10	16.90	65.30	0.79	4.85	1.00	0.10
16.92	68.39	0.82	4.65	1.00	0.09	16.94	71.49	0.84	4.46	1.00	0.09
16.96	72.41	0.85	4.41	1.00	0.09	16.98	71.66	0.84	4.45	1.00	0.09
17.00	69.88	0.83	4.56	1.00	0.09	17.02	67.05	0.81	4.73	1.00	0.09
17.04	64.84	0.79	4.88	1.00	0.10	17.06	65.45	0.80	4.84	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	69.78	0.83	4.56	1.00	0.09	17.10	77.61	0.90	4.13	1.00	0.08
17.12	88.16	1.00	1.63	1.00	0.03	17.14	98.65	1.13	0.76	1.00	0.02
17.16	106.88	1.25	0.50	1.00	0.01	17.18	113.81	1.39	0.35	1.00	0.01
17.20	115.20	1.42	0.32	1.00	0.01	17.22	102.62	1.19	0.61	1.00	0.01
17.24	92.01	1.04	1.12	1.00	0.02	17.26	80.19	0.92	4.00	1.00	0.08
17.28	76.59	0.89	4.18	1.00	0.08	17.30	79.65	0.92	4.03	1.00	0.08
17.32	80.83	0.93	3.97	1.00	0.08	17.34	78.02	0.91	4.11	1.00	0.08
17.36	73.36	0.87	4.35	1.00	0.09	17.38	66.99	0.82	4.74	1.00	0.09
17.40	63.51	0.79	4.97	1.00	0.10	17.42	68.31	0.83	4.65	1.00	0.09
17.44	78.43	0.91	4.09	1.00	0.08	17.46	88.05	1.01	1.51	1.00	0.03
17.48	90.74	1.04	1.18	1.00	0.02	17.50	90.16	1.03	1.23	1.00	0.02
17.52	88.16	1.01	1.47	1.00	0.03	17.54	81.69	0.94	3.93	1.00	0.08
17.56	72.93	0.87	4.38	1.00	0.09	17.58	69.07	0.84	4.61	1.00	0.09
17.60	71.10	0.85	4.48	1.00	0.09	17.62	71.39	0.86	4.47	1.00	0.09
17.64	70.84	0.85	4.50	1.00	0.09	17.66	71.05	0.86	4.49	1.00	0.09
17.68	69.46	0.84	4.58	1.00	0.09	17.70	65.65	0.82	4.83	1.00	0.10
17.72	64.30	0.81	4.92	1.00	0.10	17.74	62.37	0.79	5.06	1.00	0.10
17.76	61.51	0.79	5.12	1.00	0.10	17.78	60.81	0.78	5.17	1.00	0.10
17.80	61.56	0.79	5.12	1.00	0.10	17.82	64.07	0.81	4.93	1.00	0.10
17.84	69.04	0.84	4.61	1.00	0.09	17.86	74.67	0.89	4.28	1.00	0.09
17.88	77.31	0.91	4.14	1.00	0.08	17.90	71.14	0.86	4.48	1.00	0.09
17.92	63.56	0.81	4.97	1.00	0.10	17.94	65.54	0.82	4.83	1.00	0.10
17.96	67.11	0.83	4.73	1.00	0.09	17.98	63.41	0.81	4.98	1.00	0.10
18.00	65.80	0.82	4.82	1.00	0.10	18.02	75.44	0.90	4.24	1.00	0.08
18.04	87.65	1.02	1.37	1.00	0.03	18.06	96.41	1.12	0.75	1.00	0.02
18.08	102.00	1.21	0.57	1.00	0.01	18.10	101.41	1.20	0.58	1.00	0.01
18.12	94.67	1.10	0.82	1.00	0.02	18.14	83.73	0.98	2.14	1.00	0.04
18.16	73.54	0.89	4.34	1.00	0.09	18.18	72.69	0.88	4.39	1.00	0.09
18.20	77.10	0.92	4.15	1.00	0.08	18.22	80.61	0.95	3.98	1.00	0.08
18.24	79.84	0.95	4.02	1.00	0.08	18.26	77.17	0.92	4.15	1.00	0.08
18.28	75.61	0.91	4.23	1.00	0.08	18.30	72.19	0.88	4.42	1.00	0.09
18.32	68.75	0.85	4.63	1.00	0.09	18.34	63.79	0.82	4.95	1.00	0.10
18.36	58.49	0.78	5.35	1.00	0.11	18.38	57.46	0.77	5.44	1.00	0.11
18.40	61.37	0.80	5.13	1.00	0.10	18.42	66.64	0.84	4.76	1.00	0.10
18.44	72.80	0.89	4.39	1.00	0.09	18.46	80.99	0.96	3.22	1.00	0.06
18.48	90.67	1.07	0.99	1.00	0.02	18.50	99.66	1.18	0.61	1.00	0.01
18.52	106.08	1.29	0.45	1.00	0.01	18.54	104.42	1.26	0.48	1.00	0.01
18.56	95.30	1.13	0.74	1.00	0.01	18.58	83.38	0.99	1.93	1.00	0.04
18.60	76.62	0.93	4.18	1.00	0.08	18.62	74.04	0.90	4.32	1.00	0.09
18.64	75.50	0.92	4.24	1.00	0.08	18.66	79.74	0.96	4.02	1.00	0.08
18.68	86.59	1.02	1.30	1.00	0.03	18.70	94.28	1.12	0.77	1.00	0.02
18.72	99.06	1.18	0.60	1.00	0.01	18.74	99.53	1.19	0.59	1.00	0.01
18.76	95.73	1.14	0.71	1.00	0.01	18.78	87.89	1.04	1.14	1.00	0.02
18.80	80.51	0.97	2.97	1.00	0.06	18.82	73.73	0.91	4.33	1.00	0.09
18.84	73.11	0.90	4.37	1.00	0.09	18.86	80.62	0.97	2.81	1.00	0.06
18.88	83.43	1.00	1.73	1.00	0.03	18.90	83.37	1.00	1.73	1.00	0.03
18.92	81.24	0.98	2.40	1.00	0.05	18.94	79.49	0.96	3.58	1.00	0.07
18.96	76.44	0.93	4.19	1.00	0.08	18.98	74.17	0.91	4.31	1.00	0.09
19.00	72.17	0.90	4.42	1.00	0.09	19.02	70.44	0.88	4.52	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	68.76	0.87	4.63	1.00	0.09	19.06	68.95	0.87	4.61	1.00	0.09
19.08	68.33	0.87	4.65	1.00	0.09	19.10	69.99	0.88	4.55	1.00	0.09
19.12	68.93	0.87	4.61	1.00	0.09	19.14	68.29	0.87	4.65	1.00	0.09
19.16	67.86	0.87	4.68	1.00	0.09	19.18	66.96	0.86	4.74	1.00	0.09
19.20	66.06	0.85	4.80	1.00	0.10	19.22	65.36	0.85	4.85	1.00	0.10
19.24	65.07	0.85	4.87	1.00	0.10	19.26	64.52	0.84	4.90	1.00	0.10
19.28	64.97	0.85	4.87	1.00	0.10	19.30	63.66	0.84	4.96	1.00	0.10
19.32	67.94	0.87	4.68	1.00	0.09	19.34	67.98	0.87	4.67	1.00	0.09
19.36	64.88	0.85	4.88	1.00	0.10	19.38	61.24	0.82	5.14	1.00	0.10
19.40	57.52	0.80	5.43	1.00	0.11	19.42	57.91	0.80	5.40	1.00	0.11
19.44	55.74	0.78	5.59	1.00	0.11	19.46	55.60	0.78	5.60	1.00	0.11
19.48	53.99	0.77	5.74	1.00	0.11	19.50	53.92	0.77	5.75	1.00	0.12
19.52	54.84	0.78	5.67	1.00	0.11	19.54	53.43	0.77	5.80	1.00	0.12
19.56	57.17	0.80	5.46	1.00	0.11	19.58	50.79	0.75	6.05	1.00	0.12
19.60	50.59	0.75	6.07	1.00	0.12	19.62	53.14	0.77	5.82	1.00	0.12
19.64	56.74	0.79	5.50	1.00	0.11	19.66	66.81	0.87	4.75	1.00	0.09
19.68	66.44	0.87	4.77	1.00	0.10	19.70	69.45	0.89	4.58	1.00	0.09
19.72	77.70	0.96	3.76	1.00	0.08	19.74	82.65	1.01	1.50	1.00	0.03
19.76	83.27	1.02	1.39	1.00	0.03	19.78	91.98	1.12	0.75	1.00	0.01
19.80	99.48	1.22	0.52	1.00	0.01	19.82	96.92	1.19	0.58	1.00	0.01
19.84	93.80	1.14	0.68	1.00	0.01	19.86	90.44	1.10	0.80	1.00	0.02
19.88	89.48	1.09	0.84	1.00	0.02	19.90	87.88	1.07	0.93	1.00	0.02
19.92	87.01	1.06	0.98	1.00	0.02	19.94	86.30	1.06	1.02	1.00	0.02
19.96	88.64	1.08	0.87	1.00	0.02	19.98	91.00	1.11	0.76	1.00	0.02
20.00	91.69	1.12	0.73	1.00	0.01						

Total estimated settlement: 57.52

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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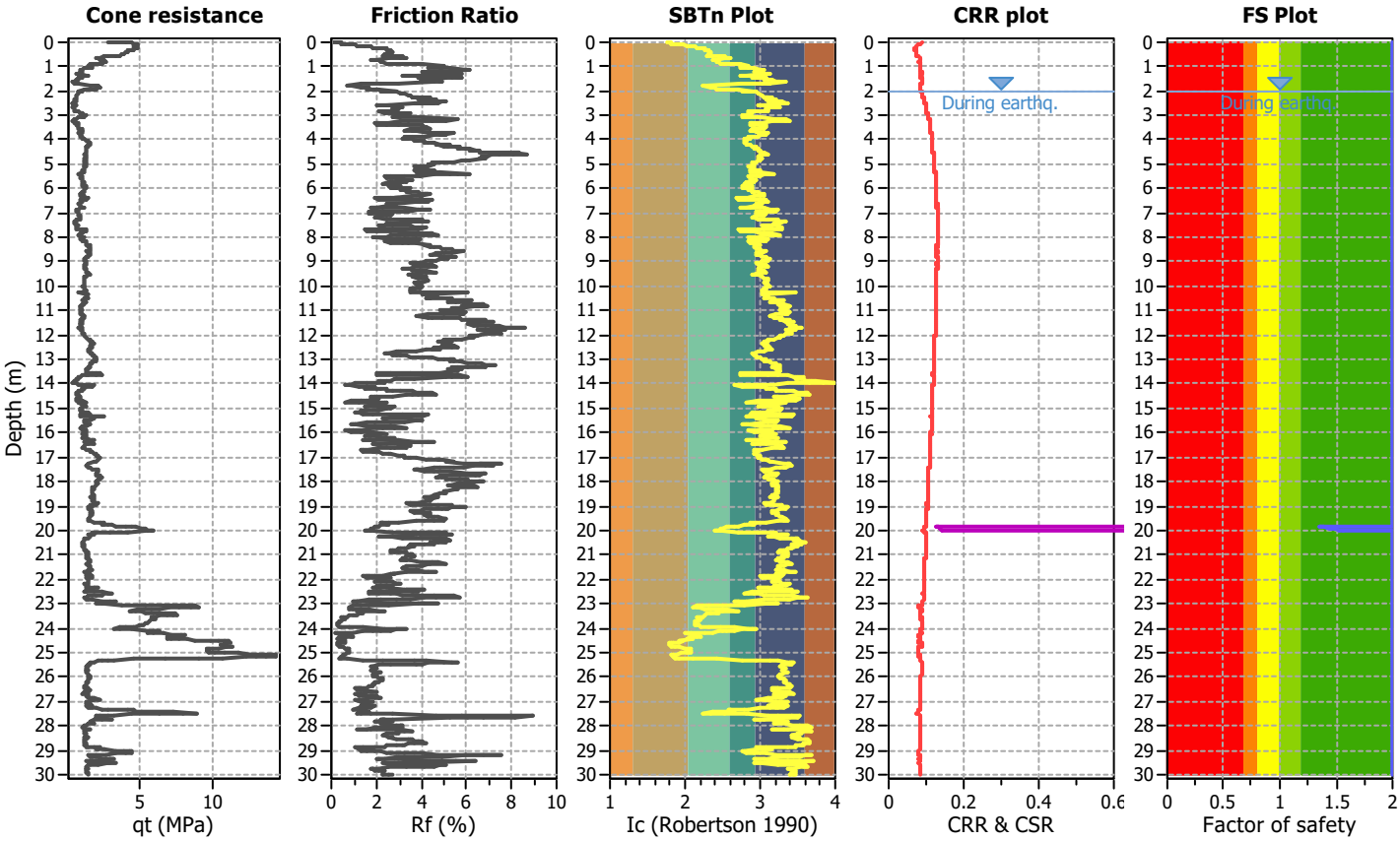
LIQUEFACTION ANALYSIS REPORT

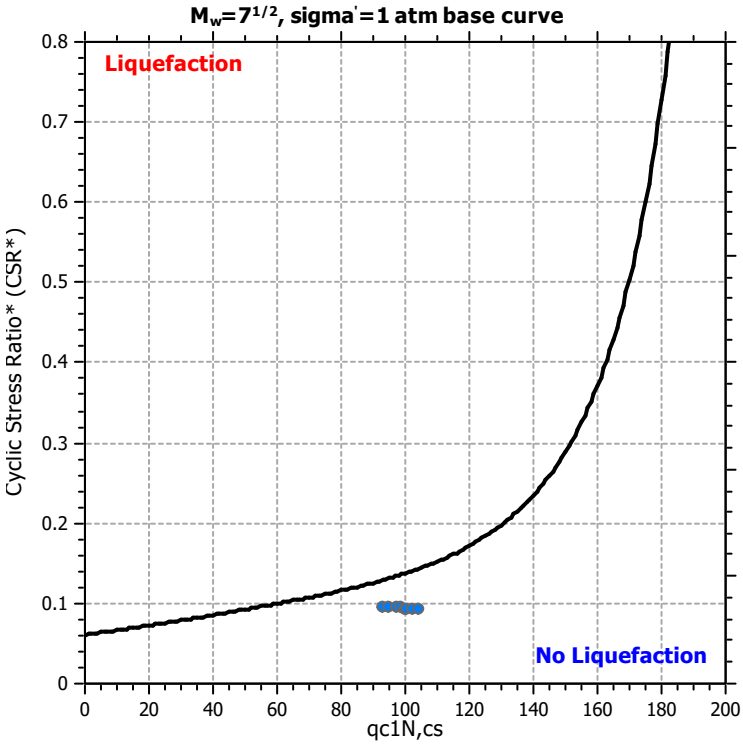
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

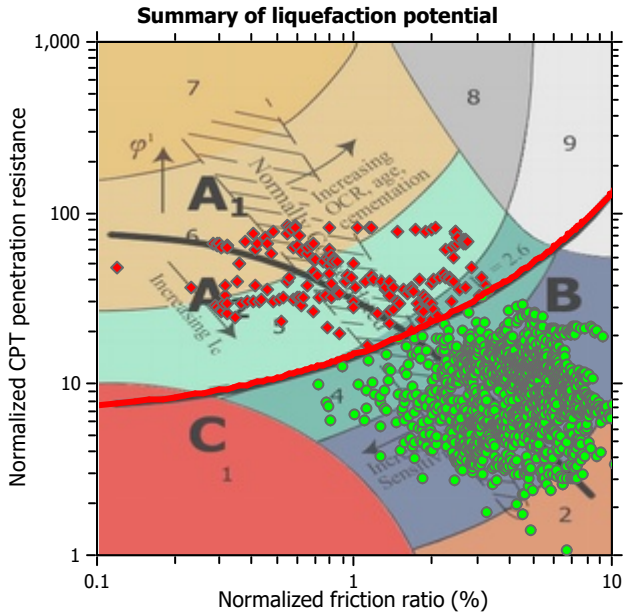
CPT file : P262

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

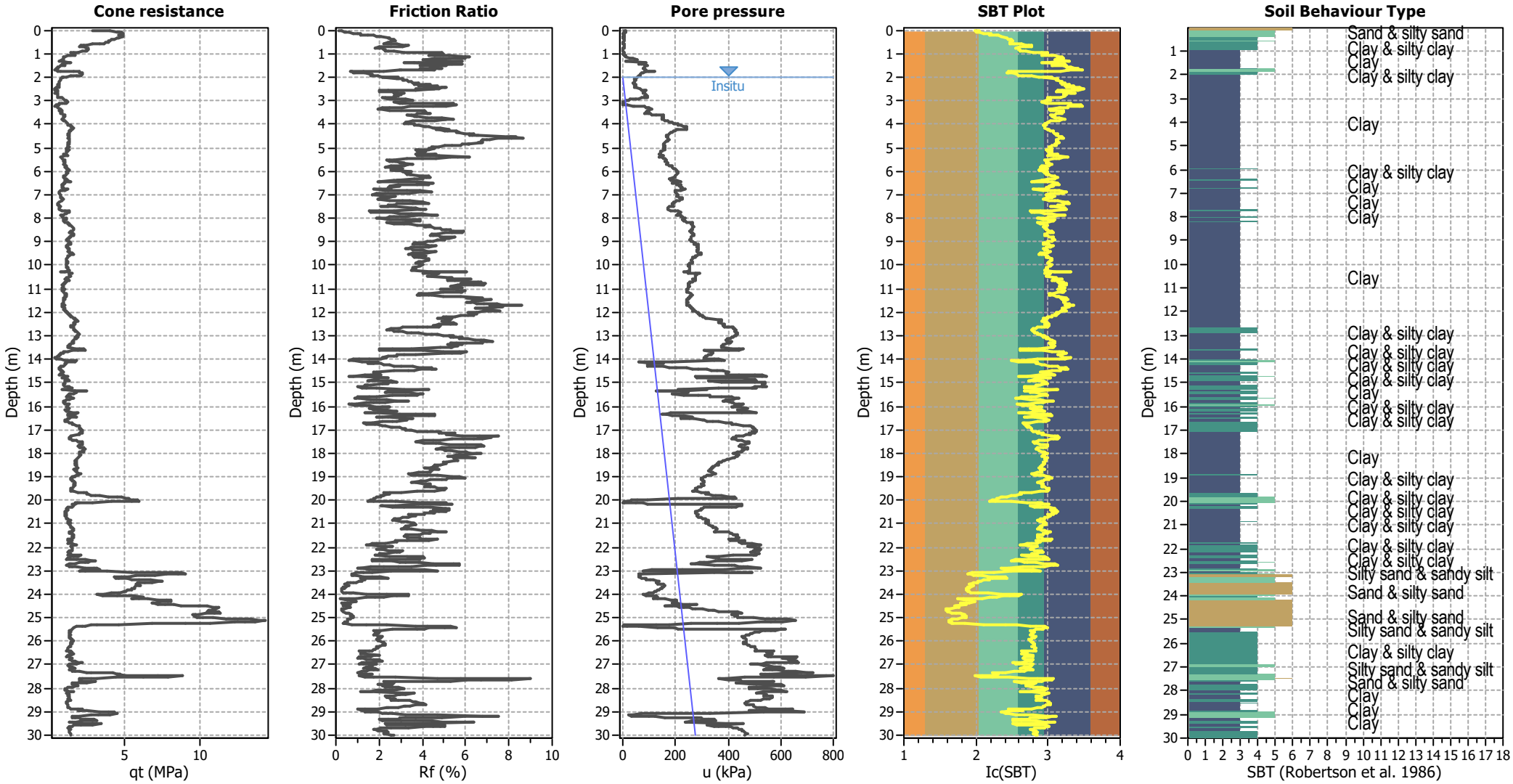






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



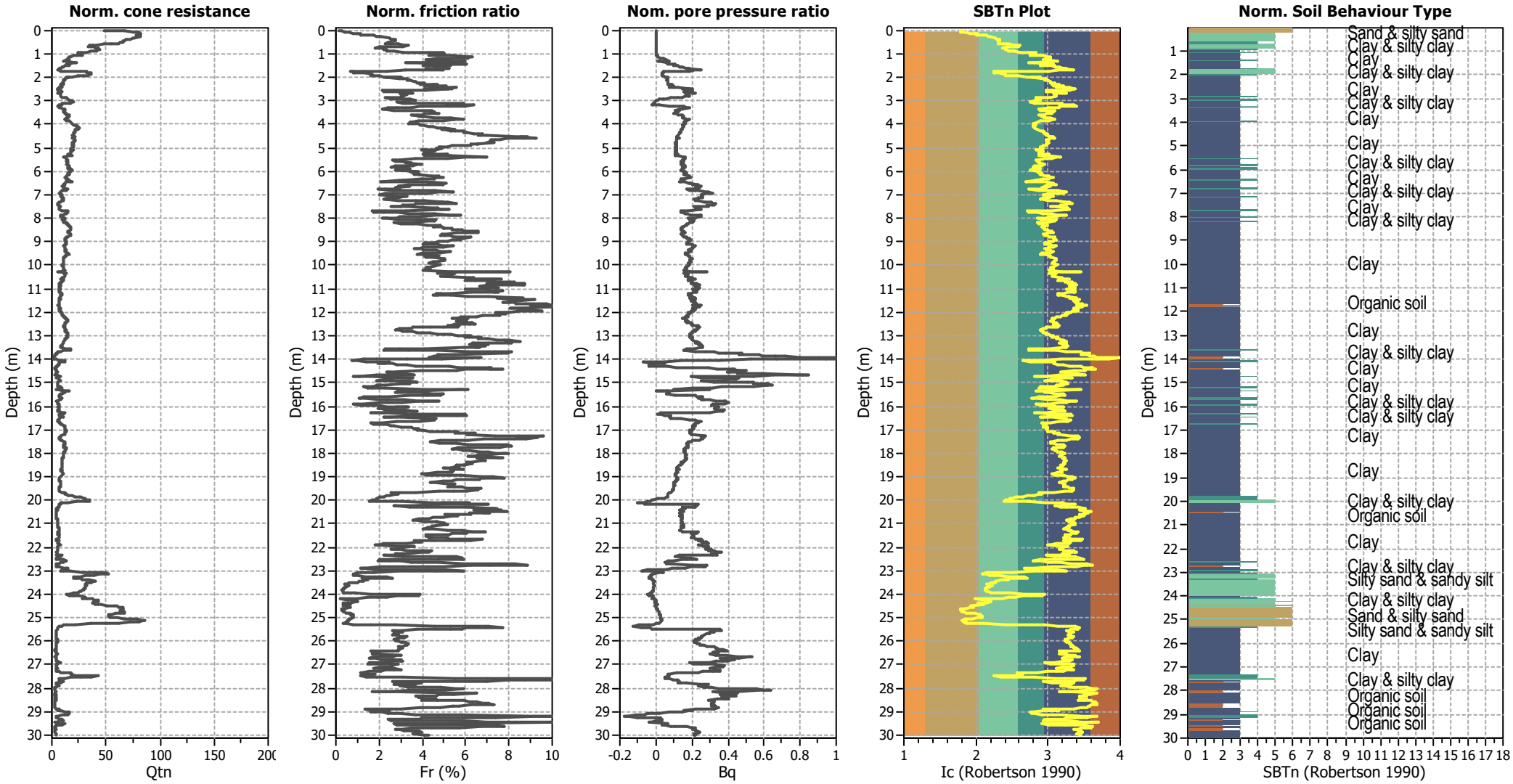
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



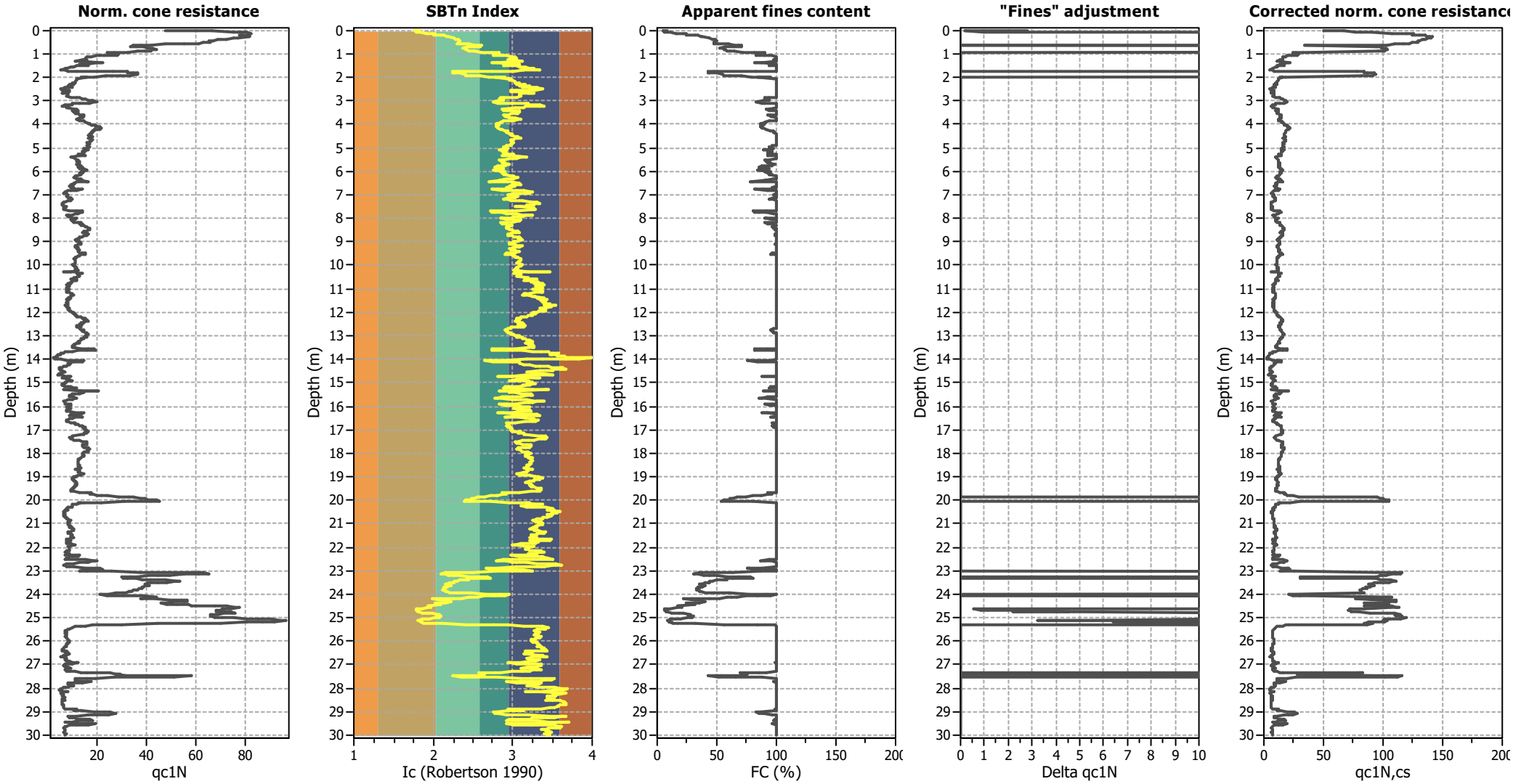
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

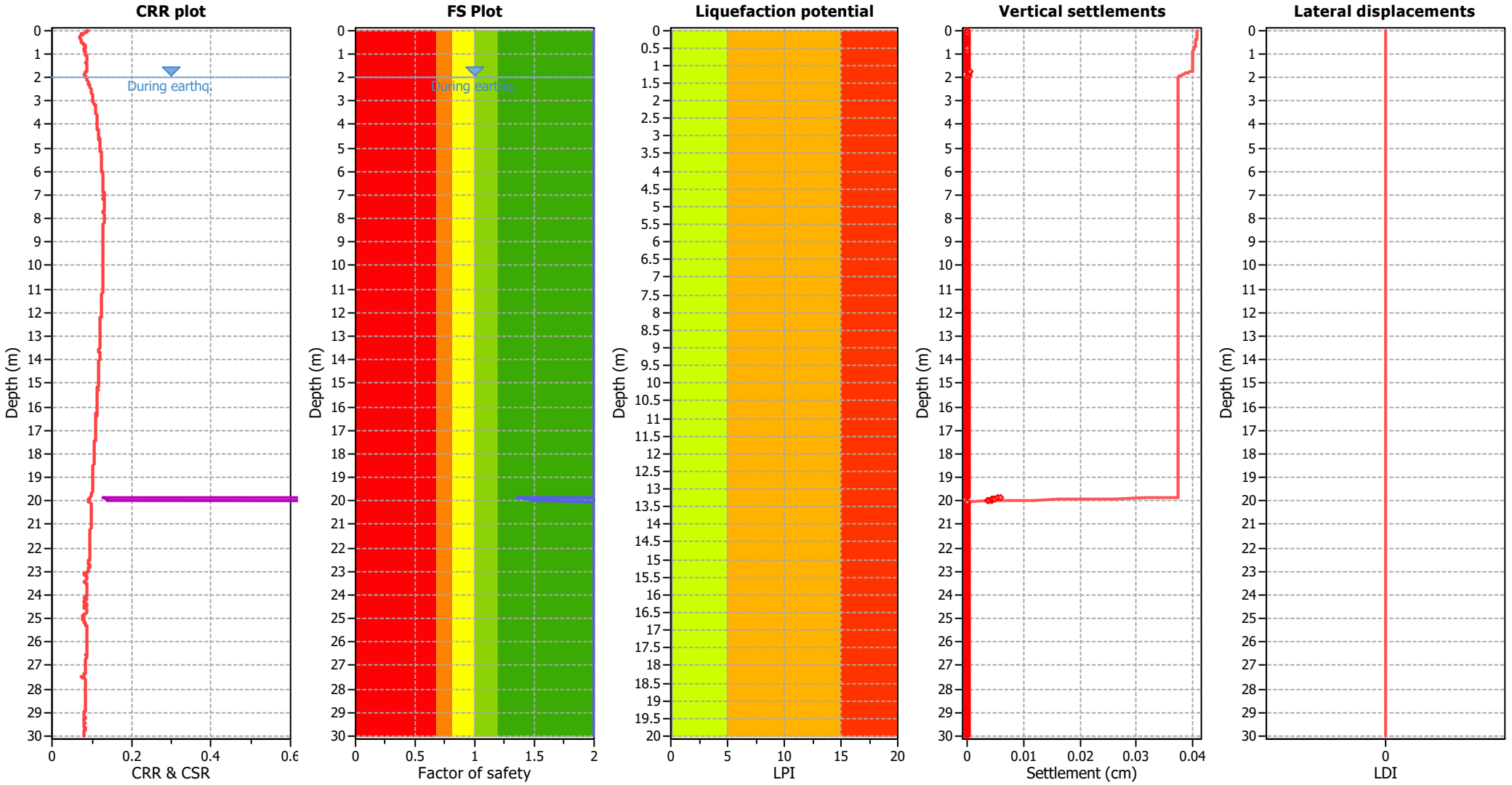
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

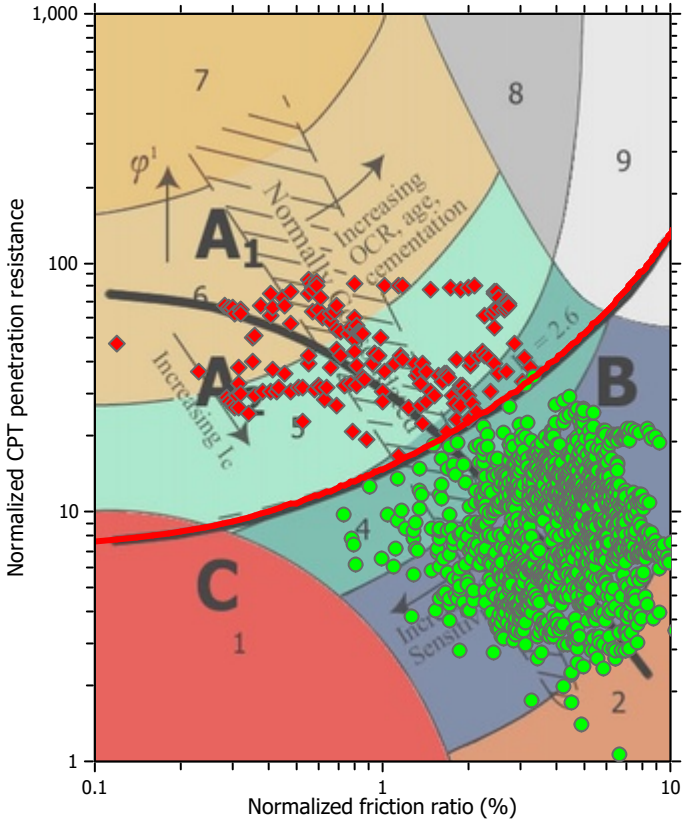
F.S. color scheme

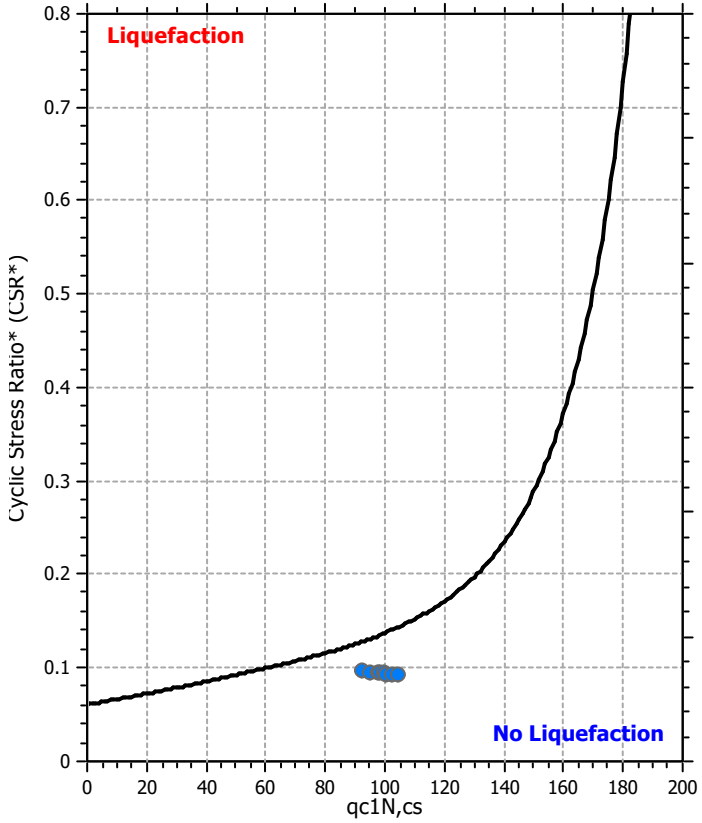
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

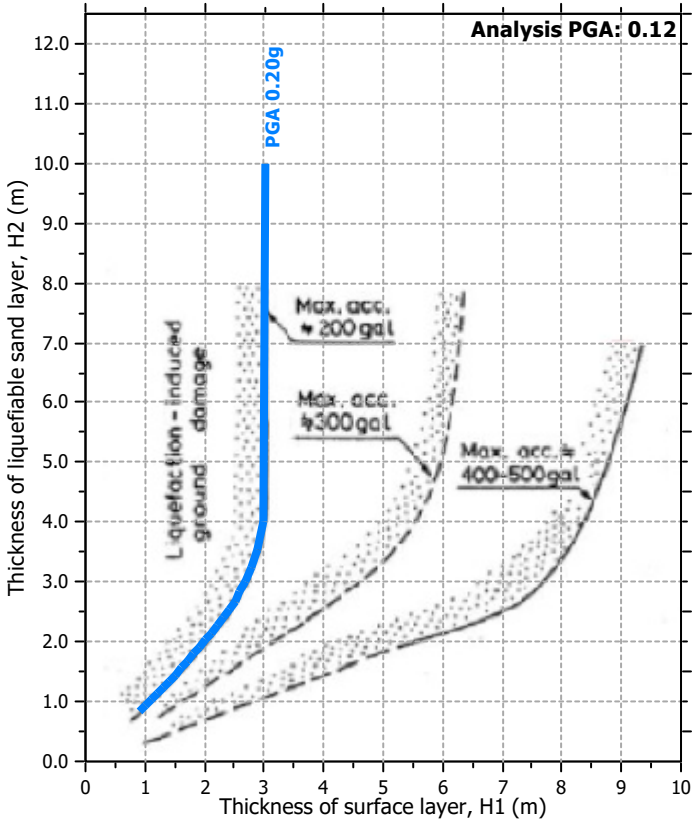
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



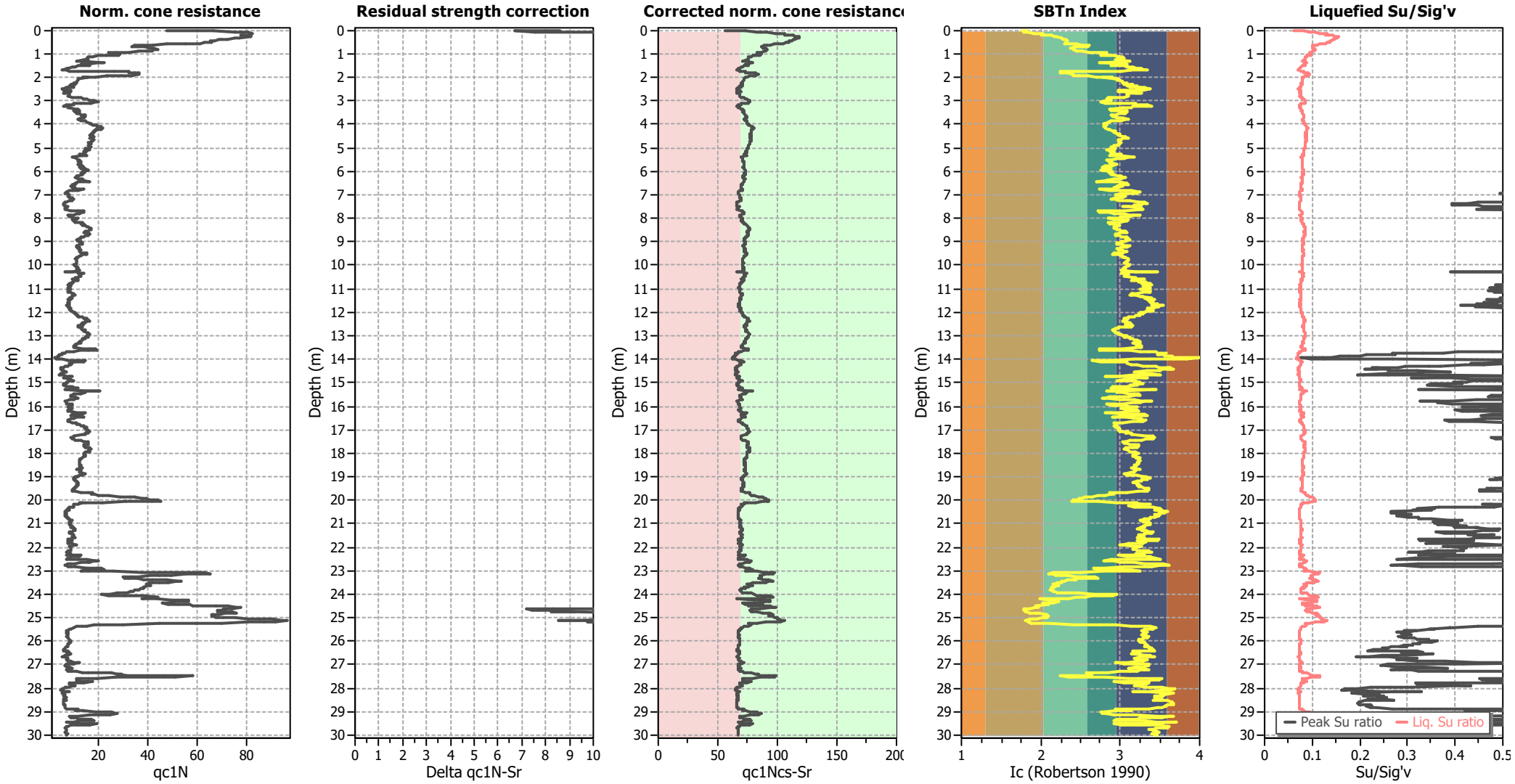




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	1.35	0.00	0.00	0.02	0.00	19.88	1.39	0.00	0.00	0.02	0.00
19.90	1.43	0.00	0.00	0.02	0.00	19.92	1.45	0.00	0.00	0.02	0.00
19.94	1.47	0.00	0.00	0.02	0.00	19.96	1.49	0.00	0.00	0.02	0.00
19.98	1.53	0.00	0.00	0.02	0.00	20.00	1.57	0.00	0.00	0.02	0.00

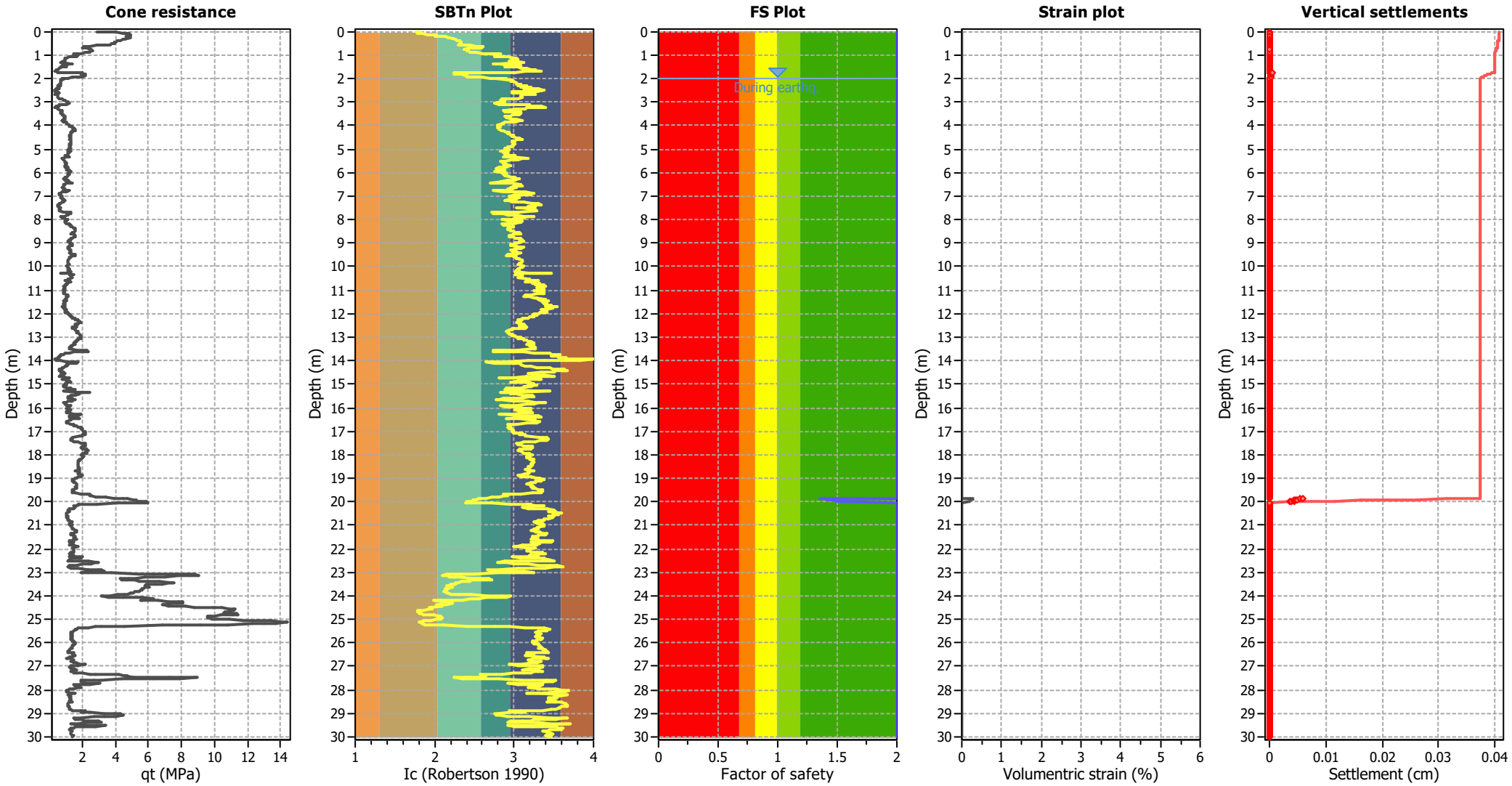
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.81	47.85	1.00	47.85	9	25557	0.09	0.000	0.00	3.58	0.00	0.000
0.04	1.78	66.98	1.00	66.98	13	34063	0.09	0.000	0.00	3.58	0.00	0.000
0.06	1.79	75.55	1.00	75.55	15	39336	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.82	77.37	1.00	77.37	15	41634	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.85	81.08	1.20	97.17	19	45121	0.08	0.000	0.00	3.58	0.00	0.000
0.12	1.92	82.39	1.25	102.83	21	50072	0.08	0.000	0.00	3.58	0.00	0.000
0.14	1.99	81.18	1.30	105.24	22	53883	0.08	0.000	0.00	3.58	0.00	0.000
0.16	2.02	81.67	1.33	108.35	23	56715	0.07	0.000	0.00	3.58	0.00	0.000
0.18	2.01	81.86	1.32	108.05	23	56318	0.08	0.000	0.00	3.58	0.00	0.000
0.20	2.10	77.81	1.42	110.62	24	59778	0.07	0.000	0.00	3.58	0.00	0.000
0.22	2.14	79.32	1.49	118.03	26	64085	0.07	0.000	0.00	3.58	0.00	0.000
0.24	2.17	78.64	1.54	121.35	27	65793	0.07	0.001	0.00	3.58	0.00	0.000
0.26	2.18	80.12	1.57	125.61	28	67992	0.07	0.001	0.00	3.58	0.00	0.000
0.28	2.19	81.81	1.58	129.62	29	70061	0.07	0.001	0.00	3.58	0.00	0.000
0.30	2.26	77.11	1.78	137.42	32	72288	0.07	0.001	0.00	3.58	0.00	0.000
0.32	2.26	77.10	1.79	137.95	32	72481	0.07	0.001	0.00	3.58	0.00	0.000
0.34	2.26	75.41	1.80	135.63	31	71151	0.07	0.001	0.00	3.58	0.00	0.000
0.36	2.29	72.24	1.88	135.86	32	70252	0.07	0.001	0.00	3.58	0.00	0.000
0.38	2.31	70.21	1.96	137.38	32	70058	0.07	0.001	0.00	3.58	0.00	0.000
0.40	2.32	69.86	1.98	138.56	33	70310	0.07	0.001	0.00	3.58	0.00	0.000
0.42	2.32	68.87	2.02	139.04	33	70085	0.07	0.001	0.00	3.58	0.00	0.000
0.44	2.33	67.17	2.06	138.53	33	69263	0.07	0.001	0.00	3.58	0.00	0.000
0.46	2.33	66.33	2.06	136.48	33	68302	0.07	0.001	0.00	3.58	0.00	0.000
0.48	2.33	65.48	2.05	134.05	32	67213	0.07	0.001	0.00	3.58	0.00	0.000
0.50	2.31	65.95	1.98	130.48	31	66273	0.07	0.001	0.00	3.58	0.00	0.000
0.52	2.31	65.12	1.96	127.64	30	65047	0.07	0.001	0.00	3.58	0.00	0.000
0.54	2.31	62.93	1.98	124.51	29	63237	0.08	0.001	0.00	3.58	0.00	0.000
0.56	2.30	61.41	1.93	118.66	28	60783	0.08	0.001	0.00	3.58	0.00	0.000
0.58	2.36	55.21	2.17	120.06	29	58784	0.08	0.001	0.00	3.58	0.00	0.000
0.60	2.45	47.67	2.68	127.72	32	57188	0.08	0.002	0.00	3.58	0.00	0.000
0.62	2.52	41.63	3.14	130.88	34	54535	0.08	0.002	0.00	3.58	0.00	0.000
0.64	2.56	37.76	3.46	130.72	35	52147	0.08	0.002	0.00	3.58	0.00	0.000
0.66	2.60	34.40	3.79	130.35	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.68	2.59	33.22	3.68	122.11	33	47412	0.08	0.002	0.00	3.58	0.00	0.000
0.70	2.51	35.71	3.07	109.68	28	46186	0.08	0.002	0.00	3.58	0.00	0.000
0.72	2.42	38.57	2.49	96.12	24	44431	0.08	0.002	0.00	3.58	0.00	0.000
0.74	2.37	40.73	2.24	91.15	22	44109	0.08	0.003	0.00	3.58	0.00	0.000
0.76	2.40	41.05	2.40	98.33	24	46239	0.08	0.003	0.00	3.58	0.00	0.000
0.78	2.41	42.39	2.42	102.49	25	48003	0.08	0.002	0.00	3.58	0.00	0.000
0.80	2.41	43.72	2.42	105.98	26	49580	0.08	0.002	0.00	3.58	0.00	0.000
0.82	2.43	42.03	2.56	107.68	27	49178	0.08	0.003	0.00	3.58	0.00	0.000
0.84	2.43	42.19	2.51	106.08	26	48849	0.08	0.003	0.00	3.58	0.00	0.000
0.86	2.44	41.36	2.60	107.42	27	48763	0.08	0.003	0.00	3.58	0.00	0.000
0.88	2.47	39.51	2.78	109.66	28	48330	0.08	0.003	0.00	3.58	0.00	0.000
0.90	2.52	36.48	3.13	114.17	30	47672	0.08	0.003	0.00	3.58	0.00	0.000
0.92	2.61	32.12	3.84	123.34	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.94	2.74	26.76	5.14	137.69	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.96	2.84	23.90	6.30	150.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.83	24.40	6.30	153.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.82	25.38	6.14	155.76	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.02	2.75	28.73	5.25	150.74	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.04	2.75	27.72	5.23	144.99	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.06	2.85	22.91	6.44	147.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.88	20.89	6.97	145.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.92	19.50	7.55	147.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	3.00	17.50	8.74	152.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	3.03	16.33	9.27	151.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	3.03	15.80	9.33	147.43	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	3.04	15.22	9.54	145.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	3.00	15.27	8.87	135.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.97	15.28	8.25	126.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.93	15.71	7.65	120.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.95	14.67	7.91	116.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.97	13.81	8.35	115.31	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	3.13	10.80	11.17	120.58	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	3.01	15.09	9.03	136.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	3.08	13.44	10.19	136.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.80	21.22	5.90	125.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.73	22.54	5.06	113.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.82	19.76	6.05	119.51	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.42	2.97	15.70	8.36	131.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.44	3.08	13.39	10.23	136.95	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.46	3.06	13.11	9.92	130.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.48	2.89	16.71	7.11	118.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.50	3.09	11.61	10.45	121.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.52	3.05	12.11	9.74	117.96	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	3.09	10.41	10.40	108.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	3.10	10.07	10.65	107.19	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	3.15	9.21	11.64	107.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	3.21	7.86	13.08	102.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	3.26	7.01	14.21	99.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	3.16	7.86	11.95	93.89	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	3.35	5.33	16.48	87.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	3.11	7.70	10.73	82.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	3.14	7.04	11.40	80.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	3.02	8.05	9.10	73.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.74	12.14	5.18	62.91	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.30	26.67	1.93	51.55	12	26403	0.09	0.011	0.02	3.58	0.01	0.000
1.78	2.25	32.52	1.75	56.98	13	30124	0.08	0.010	0.02	3.58	0.01	0.000
1.80	2.26	32.46	1.78	57.94	13	30466	0.08	0.010	0.02	3.58	0.01	0.000
1.82	2.25	34.94	1.74	60.79	14	32199	0.08	0.009	0.01	3.58	0.01	0.000
1.84	2.33	36.45	2.06	75.08	18	37559	0.08	0.008	0.01	3.58	0.00	0.000
1.86	2.39	35.91	2.34	84.17	21	39947	0.08	0.007	0.01	3.58	0.00	0.000
1.88	2.39	36.23	2.34	84.83	21	40279	0.08	0.007	0.01	3.58	0.00	0.000
1.90	2.40	35.55	2.38	84.61	21	39898	0.08	0.007	0.01	3.58	0.00	0.000
1.92	2.41	33.70	2.44	82.09	20	38322	0.08	0.008	0.01	3.58	0.00	0.000
1.94	2.48	29.32	2.84	83.38	21	36349	0.08	0.008	0.01	3.58	0.00	0.000
1.96	2.59	23.58	3.67	86.42	23	33599	0.08	0.009	0.01	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.70	18.35	4.73	86.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	13.42	2.00	0.00	1.00	0.00	2.02	15.94	2.00	0.00	1.00	0.00
2.04	12.25	2.00	0.00	1.00	0.00	2.06	12.25	2.00	0.00	1.00	0.00
2.08	11.91	2.00	0.00	1.00	0.00	2.10	11.74	2.00	0.00	1.00	0.00
2.12	12.08	2.00	0.00	1.00	0.00	2.14	11.74	2.00	0.00	1.00	0.00
2.16	10.91	2.00	0.00	1.00	0.00	2.18	10.91	2.00	0.00	1.00	0.00
2.20	11.07	2.00	0.00	1.00	0.00	2.22	11.07	2.00	0.00	1.00	0.00
2.24	10.74	2.00	0.00	1.00	0.00	2.26	9.90	2.00	0.00	1.00	0.00
2.28	10.74	2.00	0.00	1.00	0.00	2.30	9.06	2.00	0.00	1.00	0.00
2.32	9.23	2.00	0.00	1.00	0.00	2.34	10.23	2.00	0.00	1.00	0.00
2.36	9.90	2.00	0.00	1.00	0.00	2.38	8.22	2.00	0.00	1.00	0.00
2.40	9.73	2.00	0.00	1.00	0.00	2.42	8.05	2.00	0.00	1.00	0.00
2.44	7.89	2.00	0.00	1.00	0.00	2.46	6.88	2.00	0.00	1.00	0.00
2.48	5.87	2.00	0.00	1.00	0.00	2.50	7.21	2.00	0.00	1.00	0.00
2.52	5.37	2.00	0.00	1.00	0.00	2.54	5.87	2.00	0.00	1.00	0.00
2.56	8.22	2.00	0.00	1.00	0.00	2.58	8.72	2.00	0.00	1.00	0.00
2.60	9.06	2.00	0.00	1.00	0.00	2.62	7.21	2.00	0.00	1.00	0.00
2.64	6.38	2.00	0.00	1.00	0.00	2.66	6.38	2.00	0.00	1.00	0.00
2.68	5.70	2.00	0.00	1.00	0.00	2.70	8.22	2.00	0.00	1.00	0.00
2.72	8.05	2.00	0.00	1.00	0.00	2.74	8.05	2.00	0.00	1.00	0.00
2.76	8.39	2.00	0.00	1.00	0.00	2.78	8.05	2.00	0.00	1.00	0.00
2.80	7.89	2.00	0.00	1.00	0.00	2.82	7.89	2.00	0.00	1.00	0.00
2.84	9.23	2.00	0.00	1.00	0.00	2.86	12.03	2.00	0.00	1.00	0.00
2.88	13.14	2.00	0.00	1.00	0.00	2.90	14.38	2.00	0.00	1.00	0.00
2.92	15.61	2.00	0.00	1.00	0.00	2.94	15.41	2.00	0.00	1.00	0.00
2.96	16.47	2.00	0.00	1.00	0.00	2.98	17.99	2.00	0.00	1.00	0.00
3.00	18.43	2.00	0.00	1.00	0.00	3.02	20.09	2.00	0.00	1.00	0.00
3.04	19.29	2.00	0.00	1.00	0.00	3.06	19.11	2.00	0.00	1.00	0.00
3.08	17.38	2.00	0.00	1.00	0.00	3.10	16.58	2.00	0.00	1.00	0.00
3.12	12.97	2.00	0.00	1.00	0.00	3.14	9.97	2.00	0.00	1.00	0.00
3.16	9.95	2.00	0.00	1.00	0.00	3.18	9.46	2.00	0.00	1.00	0.00
3.20	7.06	2.00	0.00	1.00	0.00	3.22	5.93	2.00	0.00	1.00	0.00
3.24	6.24	2.00	0.00	1.00	0.00	3.26	7.82	2.00	0.00	1.00	0.00
3.28	7.49	2.00	0.00	1.00	0.00	3.30	8.59	2.00	0.00	1.00	0.00
3.32	8.10	2.00	0.00	1.00	0.00	3.34	10.76	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	10.58	2.00	0.00	1.00	0.00	3.38	11.65	2.00	0.00	1.00	0.00
3.40	12.40	2.00	0.00	1.00	0.00	3.42	12.36	2.00	0.00	1.00	0.00
3.44	10.19	2.00	0.00	1.00	0.00	3.46	10.48	2.00	0.00	1.00	0.00
3.48	11.23	2.00	0.00	1.00	0.00	3.50	12.27	2.00	0.00	1.00	0.00
3.52	11.49	2.00	0.00	1.00	0.00	3.54	11.32	2.00	0.00	1.00	0.00
3.56	12.51	2.00	0.00	1.00	0.00	3.58	13.09	2.00	0.00	1.00	0.00
3.60	14.27	2.00	0.00	1.00	0.00	3.62	14.55	2.00	0.00	1.00	0.00
3.64	13.47	2.00	0.00	1.00	0.00	3.66	14.50	2.00	0.00	1.00	0.00
3.68	14.47	2.00	0.00	1.00	0.00	3.70	13.99	2.00	0.00	1.00	0.00
3.72	14.12	2.00	0.00	1.00	0.00	3.74	13.06	2.00	0.00	1.00	0.00
3.76	11.70	2.00	0.00	1.00	0.00	3.78	12.57	2.00	0.00	1.00	0.00
3.80	12.69	2.00	0.00	1.00	0.00	3.82	11.79	2.00	0.00	1.00	0.00
3.84	12.80	2.00	0.00	1.00	0.00	3.86	13.22	2.00	0.00	1.00	0.00
3.88	14.66	2.00	0.00	1.00	0.00	3.90	15.52	2.00	0.00	1.00	0.00
3.92	15.35	2.00	0.00	1.00	0.00	3.94	15.18	2.00	0.00	1.00	0.00
3.96	17.03	2.00	0.00	1.00	0.00	3.98	16.71	2.00	0.00	1.00	0.00
4.00	16.97	2.00	0.00	1.00	0.00	4.02	17.65	2.00	0.00	1.00	0.00
4.04	18.47	2.00	0.00	1.00	0.00	4.06	19.71	2.00	0.00	1.00	0.00
4.08	19.67	2.00	0.00	1.00	0.00	4.10	20.62	2.00	0.00	1.00	0.00
4.12	21.00	2.00	0.00	1.00	0.00	4.14	21.38	2.00	0.00	1.00	0.00
4.16	22.03	2.00	0.00	1.00	0.00	4.18	21.99	2.00	0.00	1.00	0.00
4.20	21.11	2.00	0.00	1.00	0.00	4.22	19.01	2.00	0.00	1.00	0.00
4.24	19.53	2.00	0.00	1.00	0.00	4.26	18.38	2.00	0.00	1.00	0.00
4.28	18.76	2.00	0.00	1.00	0.00	4.30	18.03	2.00	0.00	1.00	0.00
4.32	17.72	2.00	0.00	1.00	0.00	4.34	18.25	2.00	0.00	1.00	0.00
4.36	18.21	2.00	0.00	1.00	0.00	4.38	17.63	2.00	0.00	1.00	0.00
4.40	17.46	2.00	0.00	1.00	0.00	4.42	16.88	2.00	0.00	1.00	0.00
4.44	17.54	2.00	0.00	1.00	0.00	4.46	17.37	2.00	0.00	1.00	0.00
4.48	16.79	2.00	0.00	1.00	0.00	4.50	16.77	2.00	0.00	1.00	0.00
4.52	18.23	2.00	0.00	1.00	0.00	4.54	17.25	2.00	0.00	1.00	0.00
4.56	17.76	2.00	0.00	1.00	0.00	4.58	16.24	2.00	0.00	1.00	0.00
4.60	16.76	2.00	0.00	1.00	0.00	4.62	17.54	2.00	0.00	1.00	0.00
4.64	17.78	2.00	0.00	1.00	0.00	4.66	18.02	2.00	0.00	1.00	0.00
4.68	17.99	2.00	0.00	1.00	0.00	4.70	17.69	2.00	0.00	1.00	0.00
4.72	17.93	2.00	0.00	1.00	0.00	4.74	17.36	2.00	0.00	1.00	0.00
4.76	17.34	2.00	0.00	1.00	0.00	4.78	17.31	2.00	0.00	1.00	0.00
4.80	16.21	2.00	0.00	1.00	0.00	4.82	16.85	2.00	0.00	1.00	0.00
4.84	16.29	2.00	0.00	1.00	0.00	4.86	16.27	2.00	0.00	1.00	0.00
4.88	15.71	2.00	0.00	1.00	0.00	4.90	16.08	2.00	0.00	1.00	0.00
4.92	16.46	2.00	0.00	1.00	0.00	4.94	16.44	2.00	0.00	1.00	0.00
4.96	16.82	2.00	0.00	1.00	0.00	4.98	16.39	2.00	0.00	1.00	0.00
5.00	16.10	2.00	0.00	1.00	0.00	5.02	15.95	2.00	0.00	1.00	0.00
5.04	14.86	2.00	0.00	1.00	0.00	5.06	14.84	2.00	0.00	1.00	0.00
5.08	16.68	2.00	0.00	1.00	0.00	5.10	15.47	2.00	0.00	1.00	0.00
5.12	15.31	2.00	0.00	1.00	0.00	5.14	15.42	2.00	0.00	1.00	0.00
5.16	14.21	2.00	0.00	1.00	0.00	5.18	14.19	2.00	0.00	1.00	0.00
5.20	14.17	2.00	0.00	1.00	0.00	5.22	14.94	2.00	0.00	1.00	0.00
5.24	14.13	2.00	0.00	1.00	0.00	5.26	14.64	2.00	0.00	1.00	0.00
5.28	12.25	2.00	0.00	1.00	0.00	5.30	12.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	15.23	2.00	0.00	1.00	0.00	5.34	13.50	2.00	0.00	1.00	0.00
5.36	12.96	2.00	0.00	1.00	0.00	5.38	9.67	2.00	0.00	1.00	0.00
5.40	10.45	2.00	0.00	1.00	0.00	5.42	10.30	2.00	0.00	1.00	0.00
5.44	10.94	2.00	0.00	1.00	0.00	5.46	10.93	2.00	0.00	1.00	0.00
5.48	10.91	2.00	0.00	1.00	0.00	5.50	11.69	2.00	0.00	1.00	0.00
5.52	11.80	2.00	0.00	1.00	0.00	5.54	12.18	2.00	0.00	1.00	0.00
5.56	11.77	2.00	0.00	1.00	0.00	5.58	12.15	2.00	0.00	1.00	0.00
5.60	12.77	2.00	0.00	1.00	0.00	5.62	12.50	2.00	0.00	1.00	0.00
5.64	12.48	2.00	0.00	1.00	0.00	5.66	12.98	2.00	0.00	1.00	0.00
5.68	11.93	2.00	0.00	1.00	0.00	5.70	13.07	2.00	0.00	1.00	0.00
5.72	12.03	2.00	0.00	1.00	0.00	5.74	12.27	2.00	0.00	1.00	0.00
5.76	12.25	2.00	0.00	1.00	0.00	5.78	13.65	2.00	0.00	1.00	0.00
5.80	14.02	2.00	0.00	1.00	0.00	5.82	12.98	2.00	0.00	1.00	0.00
5.84	12.32	2.00	0.00	1.00	0.00	5.86	13.07	2.00	0.00	1.00	0.00
5.88	13.05	2.00	0.00	1.00	0.00	5.90	14.30	2.00	0.00	1.00	0.00
5.92	14.79	2.00	0.00	1.00	0.00	5.94	16.03	2.00	0.00	1.00	0.00
5.96	15.12	2.00	0.00	1.00	0.00	5.98	15.73	2.00	0.00	1.00	0.00
6.00	13.82	2.00	0.00	1.00	0.00	6.02	13.56	2.00	0.00	1.00	0.00
6.04	14.54	2.00	0.00	1.00	0.00	6.06	14.15	2.00	0.00	1.00	0.00
6.08	14.13	2.00	0.00	1.00	0.00	6.10	13.11	2.00	0.00	1.00	0.00
6.12	13.72	2.00	0.00	1.00	0.00	6.14	13.08	2.00	0.00	1.00	0.00
6.16	13.81	2.00	0.00	1.00	0.00	6.18	11.92	2.00	0.00	1.00	0.00
6.20	11.16	2.00	0.00	1.00	0.00	6.22	11.89	2.00	0.00	1.00	0.00
6.24	11.26	2.00	0.00	1.00	0.00	6.26	10.50	2.00	0.00	1.00	0.00
6.28	10.36	2.00	0.00	1.00	0.00	6.30	11.58	2.00	0.00	1.00	0.00
6.32	12.19	2.00	0.00	1.00	0.00	6.34	13.28	2.00	0.00	1.00	0.00
6.36	14.13	2.00	0.00	1.00	0.00	6.38	12.39	2.00	0.00	1.00	0.00
6.40	13.61	2.00	0.00	1.00	0.00	6.42	16.30	2.00	0.00	1.00	0.00
6.44	16.03	2.00	0.00	1.00	0.00	6.46	11.96	2.00	0.00	1.00	0.00
6.48	10.35	2.00	0.00	1.00	0.00	6.50	10.46	2.00	0.00	1.00	0.00
6.52	11.06	2.00	0.00	1.00	0.00	6.54	11.29	2.00	0.00	1.00	0.00
6.56	9.57	2.00	0.00	1.00	0.00	6.58	10.41	2.00	0.00	1.00	0.00
6.60	9.79	2.00	0.00	1.00	0.00	6.62	9.78	2.00	0.00	1.00	0.00
6.64	8.91	2.00	0.00	1.00	0.00	6.66	9.03	2.00	0.00	1.00	0.00
6.68	10.48	2.00	0.00	1.00	0.00	6.70	9.86	2.00	0.00	1.00	0.00
6.72	9.48	2.00	0.00	1.00	0.00	6.74	10.20	2.00	0.00	1.00	0.00
6.76	12.37	2.00	0.00	1.00	0.00	6.78	13.93	2.00	0.00	1.00	0.00
6.80	11.74	2.00	0.00	1.00	0.00	6.82	9.43	2.00	0.00	1.00	0.00
6.84	8.45	2.00	0.00	1.00	0.00	6.86	7.35	2.00	0.00	1.00	0.00
6.88	7.10	2.00	0.00	1.00	0.00	6.90	7.09	2.00	0.00	1.00	0.00
6.92	6.60	2.00	0.00	1.00	0.00	6.94	7.32	2.00	0.00	1.00	0.00
6.96	7.43	2.00	0.00	1.00	0.00	6.98	8.39	2.00	0.00	1.00	0.00
7.00	8.14	2.00	0.00	1.00	0.00	7.02	8.37	2.00	0.00	1.00	0.00
7.04	7.88	2.00	0.00	1.00	0.00	7.06	8.12	2.00	0.00	1.00	0.00
7.08	8.47	2.00	0.00	1.00	0.00	7.10	8.46	2.00	0.00	1.00	0.00
7.12	9.40	2.00	0.00	1.00	0.00	7.14	9.51	2.00	0.00	1.00	0.00
7.16	10.10	2.00	0.00	1.00	0.00	7.18	10.09	2.00	0.00	1.00	0.00
7.20	9.25	2.00	0.00	1.00	0.00	7.22	9.36	2.00	0.00	1.00	0.00
7.24	9.46	2.00	0.00	1.00	0.00	7.26	8.62	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	8.50	2.00	0.00	1.00	0.00	7.30	7.18	2.00	0.00	1.00	0.00
7.32	7.18	2.00	0.00	1.00	0.00	7.34	6.22	2.00	0.00	1.00	0.00
7.36	5.98	2.00	0.00	1.00	0.00	7.38	5.62	2.00	0.00	1.00	0.00
7.40	5.61	2.00	0.00	1.00	0.00	7.42	5.60	2.00	0.00	1.00	0.00
7.44	5.84	2.00	0.00	1.00	0.00	7.46	6.30	2.00	0.00	1.00	0.00
7.48	6.41	2.00	0.00	1.00	0.00	7.50	7.82	2.00	0.00	1.00	0.00
7.52	7.81	2.00	0.00	1.00	0.00	7.54	6.86	2.00	0.00	1.00	0.00
7.56	6.50	2.00	0.00	1.00	0.00	7.58	6.85	2.00	0.00	1.00	0.00
7.60	7.08	2.00	0.00	1.00	0.00	7.62	6.83	2.00	0.00	1.00	0.00
7.64	6.36	2.00	0.00	1.00	0.00	7.66	9.03	2.00	0.00	1.00	0.00
7.68	11.57	2.00	0.00	1.00	0.00	7.70	13.99	2.00	0.00	1.00	0.00
7.72	13.98	2.00	0.00	1.00	0.00	7.74	14.30	2.00	0.00	1.00	0.00
7.76	13.59	2.00	0.00	1.00	0.00	7.78	12.31	2.00	0.00	1.00	0.00
7.80	11.84	2.00	0.00	1.00	0.00	7.82	11.25	2.00	0.00	1.00	0.00
7.84	9.86	2.00	0.00	1.00	0.00	7.86	9.05	2.00	0.00	1.00	0.00
7.88	7.66	2.00	0.00	1.00	0.00	7.90	8.34	2.00	0.00	1.00	0.00
7.92	8.33	2.00	0.00	1.00	0.00	7.94	9.01	2.00	0.00	1.00	0.00
7.96	9.00	2.00	0.00	1.00	0.00	7.98	9.79	2.00	0.00	1.00	0.00
8.00	11.61	2.00	0.00	1.00	0.00	8.02	11.82	2.00	0.00	1.00	0.00
8.04	11.47	2.00	0.00	1.00	0.00	8.06	10.43	2.00	0.00	1.00	0.00
8.08	9.63	2.00	0.00	1.00	0.00	8.10	10.07	2.00	0.00	1.00	0.00
8.12	10.06	2.00	0.00	1.00	0.00	8.14	10.16	2.00	0.00	1.00	0.00
8.16	10.83	2.00	0.00	1.00	0.00	8.18	12.40	2.00	0.00	1.00	0.00
8.20	13.29	2.00	0.00	1.00	0.00	8.22	13.49	2.00	0.00	1.00	0.00
8.24	13.25	2.00	0.00	1.00	0.00	8.26	13.91	2.00	0.00	1.00	0.00
8.28	14.12	2.00	0.00	1.00	0.00	8.30	13.76	2.00	0.00	1.00	0.00
8.32	14.64	2.00	0.00	1.00	0.00	8.34	15.40	2.00	0.00	1.00	0.00
8.36	16.16	2.00	0.00	1.00	0.00	8.38	15.81	2.00	0.00	1.00	0.00
8.40	16.46	2.00	0.00	1.00	0.00	8.42	16.99	2.00	0.00	1.00	0.00
8.44	16.42	2.00	0.00	1.00	0.00	8.46	16.95	2.00	0.00	1.00	0.00
8.48	16.93	2.00	0.00	1.00	0.00	8.50	16.47	2.00	0.00	1.00	0.00
8.52	15.79	2.00	0.00	1.00	0.00	8.54	15.89	2.00	0.00	1.00	0.00
8.56	14.88	2.00	0.00	1.00	0.00	8.58	14.64	2.00	0.00	1.00	0.00
8.60	13.86	2.00	0.00	1.00	0.00	8.62	14.83	2.00	0.00	1.00	0.00
8.64	15.69	2.00	0.00	1.00	0.00	8.66	16.22	2.00	0.00	1.00	0.00
8.68	16.09	2.00	0.00	1.00	0.00	8.70	16.29	2.00	0.00	1.00	0.00
8.72	16.16	2.00	0.00	1.00	0.00	8.74	15.60	2.00	0.00	1.00	0.00
8.76	14.93	2.00	0.00	1.00	0.00	8.78	14.37	2.00	0.00	1.00	0.00
8.80	14.25	2.00	0.00	1.00	0.00	8.82	13.15	2.00	0.00	1.00	0.00
8.84	13.13	2.00	0.00	1.00	0.00	8.86	12.36	2.00	0.00	1.00	0.00
8.88	12.13	2.00	0.00	1.00	0.00	8.90	11.47	2.00	0.00	1.00	0.00
8.92	11.46	2.00	0.00	1.00	0.00	8.94	11.44	2.00	0.00	1.00	0.00
8.96	11.86	2.00	0.00	1.00	0.00	8.98	12.50	2.00	0.00	1.00	0.00
9.00	13.02	2.00	0.00	1.00	0.00	9.02	13.01	2.00	0.00	1.00	0.00
9.04	13.75	2.00	0.00	1.00	0.00	9.06	13.74	2.00	0.00	1.00	0.00
9.08	13.72	2.00	0.00	1.00	0.00	9.10	13.49	2.00	0.00	1.00	0.00
9.12	12.41	2.00	0.00	1.00	0.00	9.14	11.97	2.00	0.00	1.00	0.00
9.16	11.42	2.00	0.00	1.00	0.00	9.18	11.09	2.00	0.00	1.00	0.00
9.20	11.40	2.00	0.00	1.00	0.00	9.22	11.92	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	12.12	2.00	0.00	1.00	0.00	9.26	11.90	2.00	0.00	1.00	0.00
9.28	11.88	2.00	0.00	1.00	0.00	9.30	12.62	2.00	0.00	1.00	0.00
9.32	12.18	2.00	0.00	1.00	0.00	9.34	13.12	2.00	0.00	1.00	0.00
9.36	12.47	2.00	0.00	1.00	0.00	9.38	12.57	2.00	0.00	1.00	0.00
9.40	12.55	2.00	0.00	1.00	0.00	9.42	12.12	2.00	0.00	1.00	0.00
9.44	12.53	2.00	0.00	1.00	0.00	9.46	13.04	2.00	0.00	1.00	0.00
9.48	13.87	2.00	0.00	1.00	0.00	9.50	15.23	2.00	0.00	1.00	0.00
9.52	15.53	2.00	0.00	1.00	0.00	9.54	14.46	2.00	0.00	1.00	0.00
9.56	13.82	2.00	0.00	1.00	0.00	9.58	13.17	2.00	0.00	1.00	0.00
9.60	12.95	2.00	0.00	1.00	0.00	9.62	12.10	2.00	0.00	1.00	0.00
9.64	11.88	2.00	0.00	1.00	0.00	9.66	11.45	2.00	0.00	1.00	0.00
9.68	11.65	2.00	0.00	1.00	0.00	9.70	10.80	2.00	0.00	1.00	0.00
9.72	11.11	2.00	0.00	1.00	0.00	9.74	10.99	2.00	0.00	1.00	0.00
9.76	11.08	2.00	0.00	1.00	0.00	9.78	11.07	2.00	0.00	1.00	0.00
9.80	10.96	2.00	0.00	1.00	0.00	9.82	11.26	2.00	0.00	1.00	0.00
9.84	11.25	2.00	0.00	1.00	0.00	9.86	10.93	2.00	0.00	1.00	0.00
9.88	11.33	2.00	0.00	1.00	0.00	9.90	11.01	2.00	0.00	1.00	0.00
9.92	11.00	2.00	0.00	1.00	0.00	9.94	10.99	2.00	0.00	1.00	0.00
9.96	10.67	2.00	0.00	1.00	0.00	9.98	10.45	2.00	0.00	1.00	0.00
10.00	10.24	2.00	0.00	1.00	0.00	10.02	10.64	2.00	0.00	1.00	0.00
10.04	10.94	2.00	0.00	1.00	0.00	10.06	11.13	2.00	0.00	1.00	0.00
10.08	11.43	2.00	0.00	1.00	0.00	10.10	11.11	2.00	0.00	1.00	0.00
10.12	11.72	2.00	0.00	1.00	0.00	10.14	11.81	2.00	0.00	1.00	0.00
10.16	11.19	2.00	0.00	1.00	0.00	10.18	11.79	2.00	0.00	1.00	0.00
10.20	12.19	2.00	0.00	1.00	0.00	10.22	11.97	2.00	0.00	1.00	0.00
10.24	12.16	2.00	0.00	1.00	0.00	10.26	9.30	2.00	0.00	1.00	0.00
10.28	6.33	2.00	0.00	1.00	0.00	10.30	12.03	2.00	0.00	1.00	0.00
10.32	12.02	2.00	0.00	1.00	0.00	10.34	14.03	2.00	0.00	1.00	0.00
10.36	12.10	2.00	0.00	1.00	0.00	10.38	12.19	2.00	0.00	1.00	0.00
10.40	12.68	2.00	0.00	1.00	0.00	10.42	12.36	2.00	0.00	1.00	0.00
10.44	12.66	2.00	0.00	1.00	0.00	10.46	13.05	2.00	0.00	1.00	0.00
10.48	13.04	2.00	0.00	1.00	0.00	10.50	11.01	2.00	0.00	1.00	0.00
10.52	10.90	2.00	0.00	1.00	0.00	10.54	10.58	2.00	0.00	1.00	0.00
10.56	11.18	2.00	0.00	1.00	0.00	10.58	9.16	2.00	0.00	1.00	0.00
10.60	10.86	2.00	0.00	1.00	0.00	10.62	11.55	2.00	0.00	1.00	0.00
10.64	11.94	2.00	0.00	1.00	0.00	10.66	11.23	2.00	0.00	1.00	0.00
10.68	10.11	2.00	0.00	1.00	0.00	10.70	10.30	2.00	0.00	1.00	0.00
10.72	9.50	2.00	0.00	1.00	0.00	10.74	9.19	2.00	0.00	1.00	0.00
10.76	9.18	2.00	0.00	1.00	0.00	10.78	8.27	2.00	0.00	1.00	0.00
10.80	9.56	2.00	0.00	1.00	0.00	10.82	7.86	2.00	0.00	1.00	0.00
10.84	7.75	2.00	0.00	1.00	0.00	10.86	8.64	2.00	0.00	1.00	0.00
10.88	8.63	2.00	0.00	1.00	0.00	10.90	8.33	2.00	0.00	1.00	0.00
10.92	8.42	2.00	0.00	1.00	0.00	10.94	7.62	2.00	0.00	1.00	0.00
10.96	8.21	2.00	0.00	1.00	0.00	10.98	8.10	2.00	0.00	1.00	0.00
11.00	7.80	2.00	0.00	1.00	0.00	11.02	8.97	2.00	0.00	1.00	0.00
11.04	8.18	2.00	0.00	1.00	0.00	11.06	8.17	2.00	0.00	1.00	0.00
11.08	7.67	2.00	0.00	1.00	0.00	11.10	7.86	2.00	0.00	1.00	0.00
11.12	8.05	2.00	0.00	1.00	0.00	11.14	7.85	2.00	0.00	1.00	0.00
11.16	8.62	2.00	0.00	1.00	0.00	11.18	9.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	10.27	2.00	0.00	1.00	0.00	11.22	10.07	2.00	0.00	1.00	0.00
11.24	9.77	2.00	0.00	1.00	0.00	11.26	10.35	2.00	0.00	1.00	0.00
11.28	9.36	2.00	0.00	1.00	0.00	11.30	9.84	2.00	0.00	1.00	0.00
11.32	9.25	2.00	0.00	1.00	0.00	11.34	9.24	2.00	0.00	1.00	0.00
11.36	9.72	2.00	0.00	1.00	0.00	11.38	8.06	2.00	0.00	1.00	0.00
11.40	9.21	2.00	0.00	1.00	0.00	11.42	9.40	2.00	0.00	1.00	0.00
11.44	8.91	2.00	0.00	1.00	0.00	11.46	8.90	2.00	0.00	1.00	0.00
11.48	7.73	2.00	0.00	1.00	0.00	11.50	8.21	2.00	0.00	1.00	0.00
11.52	8.39	2.00	0.00	1.00	0.00	11.54	8.48	2.00	0.00	1.00	0.00
11.56	7.90	2.00	0.00	1.00	0.00	11.58	7.98	2.00	0.00	1.00	0.00
11.60	7.69	2.00	0.00	1.00	0.00	11.62	8.07	2.00	0.00	1.00	0.00
11.64	7.96	2.00	0.00	1.00	0.00	11.66	7.48	2.00	0.00	1.00	0.00
11.68	7.66	2.00	0.00	1.00	0.00	11.70	6.98	2.00	0.00	1.00	0.00
11.72	8.51	2.00	0.00	1.00	0.00	11.74	7.83	2.00	0.00	1.00	0.00
11.76	8.02	2.00	0.00	1.00	0.00	11.78	7.44	2.00	0.00	1.00	0.00
11.80	8.48	2.00	0.00	1.00	0.00	11.82	8.95	2.00	0.00	1.00	0.00
11.84	8.47	2.00	0.00	1.00	0.00	11.86	8.36	2.00	0.00	1.00	0.00
11.88	9.12	2.00	0.00	1.00	0.00	11.90	8.92	2.00	0.00	1.00	0.00
11.92	8.63	2.00	0.00	1.00	0.00	11.94	9.47	2.00	0.00	1.00	0.00
11.96	9.65	2.00	0.00	1.00	0.00	11.98	9.46	2.00	0.00	1.00	0.00
12.00	9.92	2.00	0.00	1.00	0.00	12.02	10.67	2.00	0.00	1.00	0.00
12.04	10.28	2.00	0.00	1.00	0.00	12.06	10.46	2.00	0.00	1.00	0.00
12.08	10.83	2.00	0.00	1.00	0.00	12.10	11.20	2.00	0.00	1.00	0.00
12.12	11.10	2.00	0.00	1.00	0.00	12.14	11.46	2.00	0.00	1.00	0.00
12.16	11.92	2.00	0.00	1.00	0.00	12.18	11.91	2.00	0.00	1.00	0.00
12.20	12.66	2.00	0.00	1.00	0.00	12.22	13.40	2.00	0.00	1.00	0.00
12.24	14.05	2.00	0.00	1.00	0.00	12.26	15.16	2.00	0.00	1.00	0.00
12.28	14.30	2.00	0.00	1.00	0.00	12.30	15.04	2.00	0.00	1.00	0.00
12.32	15.31	2.00	0.00	1.00	0.00	12.34	15.86	2.00	0.00	1.00	0.00
12.36	16.41	2.00	0.00	1.00	0.00	12.38	14.90	2.00	0.00	1.00	0.00
12.40	15.35	2.00	0.00	1.00	0.00	12.42	14.96	2.00	0.00	1.00	0.00
12.44	14.20	2.00	0.00	1.00	0.00	12.46	13.82	2.00	0.00	1.00	0.00
12.48	13.34	2.00	0.00	1.00	0.00	12.50	13.24	2.00	0.00	1.00	0.00
12.52	14.16	2.00	0.00	1.00	0.00	12.54	13.77	2.00	0.00	1.00	0.00
12.56	13.48	2.00	0.00	1.00	0.00	12.58	11.71	2.00	0.00	1.00	0.00
12.60	11.88	2.00	0.00	1.00	0.00	12.62	12.15	2.00	0.00	1.00	0.00
12.64	12.33	2.00	0.00	1.00	0.00	12.66	13.43	2.00	0.00	1.00	0.00
12.68	13.23	2.00	0.00	1.00	0.00	12.70	13.22	2.00	0.00	1.00	0.00
12.72	13.21	2.00	0.00	1.00	0.00	12.74	13.66	2.00	0.00	1.00	0.00
12.76	13.93	2.00	0.00	1.00	0.00	12.78	14.56	2.00	0.00	1.00	0.00
12.80	14.18	2.00	0.00	1.00	0.00	12.82	14.72	2.00	0.00	1.00	0.00
12.84	14.99	2.00	0.00	1.00	0.00	12.86	15.53	2.00	0.00	1.00	0.00
12.88	15.70	2.00	0.00	1.00	0.00	12.90	15.78	2.00	0.00	1.00	0.00
12.92	16.50	2.00	0.00	1.00	0.00	12.94	16.31	2.00	0.00	1.00	0.00
12.96	16.20	2.00	0.00	1.00	0.00	12.98	16.19	2.00	0.00	1.00	0.00
13.00	15.35	2.00	0.00	1.00	0.00	13.02	16.07	2.00	0.00	1.00	0.00
13.04	16.06	2.00	0.00	1.00	0.00	13.06	15.68	2.00	0.00	1.00	0.00
13.08	14.48	2.00	0.00	1.00	0.00	13.10	14.65	2.00	0.00	1.00	0.00
13.12	13.72	2.00	0.00	1.00	0.00	13.14	13.89	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	13.52	2.00	0.00	1.00	0.00	13.18	13.33	2.00	0.00	1.00	0.00
13.20	13.32	2.00	0.00	1.00	0.00	13.22	12.40	2.00	0.00	1.00	0.00
13.24	12.75	2.00	0.00	1.00	0.00	13.26	12.74	2.00	0.00	1.00	0.00
13.28	11.83	2.00	0.00	1.00	0.00	13.30	12.72	2.00	0.00	1.00	0.00
13.32	12.89	2.00	0.00	1.00	0.00	13.34	12.34	2.00	0.00	1.00	0.00
13.36	10.62	2.00	0.00	1.00	0.00	13.38	11.24	2.00	0.00	1.00	0.00
13.40	11.23	2.00	0.00	1.00	0.00	13.42	10.50	2.00	0.00	1.00	0.00
13.44	10.05	2.00	0.00	1.00	0.00	13.46	10.04	2.00	0.00	1.00	0.00
13.48	10.39	2.00	0.00	1.00	0.00	13.50	10.02	2.00	0.00	1.00	0.00
13.52	10.37	2.00	0.00	1.00	0.00	13.54	13.49	2.00	0.00	1.00	0.00
13.56	16.44	2.00	0.00	1.00	0.00	13.58	18.93	2.00	0.00	1.00	0.00
13.60	19.37	2.00	0.00	1.00	0.00	13.62	15.78	2.00	0.00	1.00	0.00
13.64	12.11	2.00	0.00	1.00	0.00	13.66	10.05	2.00	0.00	1.00	0.00
13.68	8.36	2.00	0.00	1.00	0.00	13.70	7.20	2.00	0.00	1.00	0.00
13.72	6.76	2.00	0.00	1.00	0.00	13.74	6.13	2.00	0.00	1.00	0.00
13.76	5.16	2.00	0.00	1.00	0.00	13.78	5.25	2.00	0.00	1.00	0.00
13.80	5.16	2.00	0.00	1.00	0.00	13.82	4.36	2.00	0.00	1.00	0.00
13.84	4.19	2.00	0.00	1.00	0.00	13.86	3.83	2.00	0.00	1.00	0.00
13.88	3.57	2.00	0.00	1.00	0.00	13.90	3.31	2.00	0.00	1.00	0.00
13.92	3.04	2.00	0.00	1.00	0.00	13.94	2.34	2.00	0.00	1.00	0.00
13.96	2.69	2.00	0.00	1.00	0.00	13.98	3.04	2.00	0.00	1.00	0.00
14.00	4.08	2.00	0.00	1.00	0.00	14.02	5.13	2.00	0.00	1.00	0.00
14.04	7.66	2.00	0.00	1.00	0.00	14.06	11.50	2.00	0.00	1.00	0.00
14.08	14.57	2.00	0.00	1.00	0.00	14.10	14.31	2.00	0.00	1.00	0.00
14.12	10.62	2.00	0.00	1.00	0.00	14.14	9.47	2.00	0.00	1.00	0.00
14.16	8.85	2.00	0.00	1.00	0.00	14.18	8.32	2.00	0.00	1.00	0.00
14.20	9.72	2.00	0.00	1.00	0.00	14.22	8.92	2.00	0.00	1.00	0.00
14.24	8.31	2.00	0.00	1.00	0.00	14.26	8.30	2.00	0.00	1.00	0.00
14.28	7.51	2.00	0.00	1.00	0.00	14.30	7.07	2.00	0.00	1.00	0.00
14.32	6.20	2.00	0.00	1.00	0.00	14.34	5.94	2.00	0.00	1.00	0.00
14.36	4.98	2.00	0.00	1.00	0.00	14.38	5.07	2.00	0.00	1.00	0.00
14.40	4.98	2.00	0.00	1.00	0.00	14.42	4.54	2.00	0.00	1.00	0.00
14.44	5.23	2.00	0.00	1.00	0.00	14.46	5.14	2.00	0.00	1.00	0.00
14.48	5.14	2.00	0.00	1.00	0.00	14.50	5.99	2.00	0.00	1.00	0.00
14.52	7.02	2.00	0.00	1.00	0.00	14.54	6.85	2.00	0.00	1.00	0.00
14.56	5.98	2.00	0.00	1.00	0.00	14.58	6.15	2.00	0.00	1.00	0.00
14.60	5.72	2.00	0.00	1.00	0.00	14.62	4.94	2.00	0.00	1.00	0.00
14.64	4.00	2.00	0.00	1.00	0.00	14.66	4.08	2.00	0.00	1.00	0.00
14.68	4.68	2.00	0.00	1.00	0.00	14.70	5.96	2.00	0.00	1.00	0.00
14.72	7.24	2.00	0.00	1.00	0.00	14.74	9.21	2.00	0.00	1.00	0.00
14.76	8.01	2.00	0.00	1.00	0.00	14.78	6.46	2.00	0.00	1.00	0.00
14.80	6.03	2.00	0.00	1.00	0.00	14.82	6.97	2.00	0.00	1.00	0.00
14.84	7.56	2.00	0.00	1.00	0.00	14.86	7.81	2.00	0.00	1.00	0.00
14.88	8.66	2.00	0.00	1.00	0.00	14.90	9.51	2.00	0.00	1.00	0.00
14.92	10.11	2.00	0.00	1.00	0.00	14.94	8.05	2.00	0.00	1.00	0.00
14.96	7.70	2.00	0.00	1.00	0.00	14.98	6.93	2.00	0.00	1.00	0.00
15.00	7.10	2.00	0.00	1.00	0.00	15.02	7.09	2.00	0.00	1.00	0.00
15.04	6.15	2.00	0.00	1.00	0.00	15.06	6.15	2.00	0.00	1.00	0.00
15.08	5.98	2.00	0.00	1.00	0.00	15.10	6.65	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	6.05	2.00	0.00	1.00	0.00	15.14	6.98	2.00	0.00	1.00	0.00
15.16	8.42	2.00	0.00	1.00	0.00	15.18	9.43	2.00	0.00	1.00	0.00
15.20	10.36	2.00	0.00	1.00	0.00	15.22	11.55	2.00	0.00	1.00	0.00
15.24	11.12	2.00	0.00	1.00	0.00	15.26	8.48	2.00	0.00	1.00	0.00
15.28	6.62	2.00	0.00	1.00	0.00	15.30	6.61	2.00	0.00	1.00	0.00
15.32	13.65	2.00	0.00	1.00	0.00	15.34	20.76	2.00	0.00	1.00	0.00
15.36	12.52	2.00	0.00	1.00	0.00	15.38	13.28	2.00	0.00	1.00	0.00
15.40	13.44	2.00	0.00	1.00	0.00	15.42	13.35	2.00	0.00	1.00	0.00
15.44	14.45	2.00	0.00	1.00	0.00	15.46	12.82	2.00	0.00	1.00	0.00
15.48	11.46	2.00	0.00	1.00	0.00	15.50	10.18	2.00	0.00	1.00	0.00
15.52	9.42	2.00	0.00	1.00	0.00	15.54	8.99	2.00	0.00	1.00	0.00
15.56	8.81	2.00	0.00	1.00	0.00	15.58	8.73	2.00	0.00	1.00	0.00
15.60	8.97	2.00	0.00	1.00	0.00	15.62	10.56	2.00	0.00	1.00	0.00
15.64	11.31	2.00	0.00	1.00	0.00	15.66	11.97	2.00	0.00	1.00	0.00
15.68	11.30	2.00	0.00	1.00	0.00	15.70	9.95	2.00	0.00	1.00	0.00
15.72	10.11	2.00	0.00	1.00	0.00	15.74	8.18	2.00	0.00	1.00	0.00
15.76	7.35	2.00	0.00	1.00	0.00	15.78	6.34	2.00	0.00	1.00	0.00
15.80	6.92	2.00	0.00	1.00	0.00	15.82	6.92	2.00	0.00	1.00	0.00
15.84	7.00	2.00	0.00	1.00	0.00	15.86	6.83	2.00	0.00	1.00	0.00
15.88	7.32	2.00	0.00	1.00	0.00	15.90	8.39	2.00	0.00	1.00	0.00
15.92	9.30	2.00	0.00	1.00	0.00	15.94	9.13	2.00	0.00	1.00	0.00
15.96	8.72	2.00	0.00	1.00	0.00	15.98	8.46	2.00	0.00	1.00	0.00
16.00	8.21	2.00	0.00	1.00	0.00	16.02	7.71	2.00	0.00	1.00	0.00
16.04	7.87	2.00	0.00	1.00	0.00	16.06	8.36	2.00	0.00	1.00	0.00
16.08	8.93	2.00	0.00	1.00	0.00	16.10	9.34	2.00	0.00	1.00	0.00
16.12	9.34	2.00	0.00	1.00	0.00	16.14	8.84	2.00	0.00	1.00	0.00
16.16	8.17	2.00	0.00	1.00	0.00	16.18	7.42	2.00	0.00	1.00	0.00
16.20	7.67	2.00	0.00	1.00	0.00	16.22	7.83	2.00	0.00	1.00	0.00
16.24	8.89	2.00	0.00	1.00	0.00	16.26	10.95	2.00	0.00	1.00	0.00
16.28	13.84	2.00	0.00	1.00	0.00	16.30	15.01	2.00	0.00	1.00	0.00
16.32	13.67	2.00	0.00	1.00	0.00	16.34	11.75	2.00	0.00	1.00	0.00
16.36	9.52	2.00	0.00	1.00	0.00	16.38	9.10	2.00	0.00	1.00	0.00
16.40	9.26	2.00	0.00	1.00	0.00	16.42	10.90	2.00	0.00	1.00	0.00
16.44	14.11	2.00	0.00	1.00	0.00	16.46	14.10	2.00	0.00	1.00	0.00
16.48	11.04	2.00	0.00	1.00	0.00	16.50	9.88	2.00	0.00	1.00	0.00
16.52	8.98	2.00	0.00	1.00	0.00	16.54	9.05	2.00	0.00	1.00	0.00
16.56	8.47	2.00	0.00	1.00	0.00	16.58	7.98	2.00	0.00	1.00	0.00
16.60	7.57	2.00	0.00	1.00	0.00	16.62	7.65	2.00	0.00	1.00	0.00
16.64	7.72	2.00	0.00	1.00	0.00	16.66	8.45	2.00	0.00	1.00	0.00
16.68	9.67	2.00	0.00	1.00	0.00	16.70	10.80	2.00	0.00	1.00	0.00
16.72	10.96	2.00	0.00	1.00	0.00	16.74	11.04	2.00	0.00	1.00	0.00
16.76	11.03	2.00	0.00	1.00	0.00	16.78	11.60	2.00	0.00	1.00	0.00
16.80	12.08	2.00	0.00	1.00	0.00	16.82	12.98	2.00	0.00	1.00	0.00
16.84	13.21	2.00	0.00	1.00	0.00	16.86	14.35	2.00	0.00	1.00	0.00
16.88	14.67	2.00	0.00	1.00	0.00	16.90	15.07	2.00	0.00	1.00	0.00
16.92	14.41	2.00	0.00	1.00	0.00	16.94	14.81	2.00	0.00	1.00	0.00
16.96	14.64	2.00	0.00	1.00	0.00	16.98	15.12	2.00	0.00	1.00	0.00
17.00	15.19	2.00	0.00	1.00	0.00	17.02	15.76	2.00	0.00	1.00	0.00
17.04	16.16	2.00	0.00	1.00	0.00	17.06	16.31	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	16.14	2.00	0.00	1.00	0.00	17.10	15.14	2.00	0.00	1.00	0.00
17.12	15.95	2.00	0.00	1.00	0.00	17.14	15.61	2.00	0.00	1.00	0.00
17.16	14.78	2.00	0.00	1.00	0.00	17.18	14.61	2.00	0.00	1.00	0.00
17.20	13.79	2.00	0.00	1.00	0.00	17.22	13.45	2.00	0.00	1.00	0.00
17.24	10.05	2.00	0.00	1.00	0.00	17.26	9.97	2.00	0.00	1.00	0.00
17.28	9.88	2.00	0.00	1.00	0.00	17.30	10.03	2.00	0.00	1.00	0.00
17.32	9.31	2.00	0.00	1.00	0.00	17.34	9.06	2.00	0.00	1.00	0.00
17.36	9.21	2.00	0.00	1.00	0.00	17.38	9.29	2.00	0.00	1.00	0.00
17.40	9.68	2.00	0.00	1.00	0.00	17.42	9.91	2.00	0.00	1.00	0.00
17.44	10.55	2.00	0.00	1.00	0.00	17.46	11.50	2.00	0.00	1.00	0.00
17.48	12.78	2.00	0.00	1.00	0.00	17.50	14.06	2.00	0.00	1.00	0.00
17.52	14.61	2.00	0.00	1.00	0.00	17.54	15.73	2.00	0.00	1.00	0.00
17.56	15.88	2.00	0.00	1.00	0.00	17.58	15.95	2.00	0.00	1.00	0.00
17.60	15.86	2.00	0.00	1.00	0.00	17.62	15.69	2.00	0.00	1.00	0.00
17.64	14.87	2.00	0.00	1.00	0.00	17.66	14.30	2.00	0.00	1.00	0.00
17.68	14.05	2.00	0.00	1.00	0.00	17.70	14.04	2.00	0.00	1.00	0.00
17.72	14.35	2.00	0.00	1.00	0.00	17.74	14.50	2.00	0.00	1.00	0.00
17.76	15.21	2.00	0.00	1.00	0.00	17.78	16.73	2.00	0.00	1.00	0.00
17.80	16.80	2.00	0.00	1.00	0.00	17.82	17.11	2.00	0.00	1.00	0.00
17.84	16.62	2.00	0.00	1.00	0.00	17.86	15.88	2.00	0.00	1.00	0.00
17.88	16.03	2.00	0.00	1.00	0.00	17.90	16.34	2.00	0.00	1.00	0.00
17.92	16.25	2.00	0.00	1.00	0.00	17.94	15.12	2.00	0.00	1.00	0.00
17.96	14.63	2.00	0.00	1.00	0.00	17.98	14.38	2.00	0.00	1.00	0.00
18.00	14.06	2.00	0.00	1.00	0.00	18.02	14.37	2.00	0.00	1.00	0.00
18.04	14.51	2.00	0.00	1.00	0.00	18.06	14.66	2.00	0.00	1.00	0.00
18.08	14.18	2.00	0.00	1.00	0.00	18.10	14.80	2.00	0.00	1.00	0.00
18.12	14.56	2.00	0.00	1.00	0.00	18.14	14.47	2.00	0.00	1.00	0.00
18.16	14.22	2.00	0.00	1.00	0.00	18.18	13.82	2.00	0.00	1.00	0.00
18.20	13.57	2.00	0.00	1.00	0.00	18.22	13.32	2.00	0.00	1.00	0.00
18.24	12.45	2.00	0.00	1.00	0.00	18.26	12.60	2.00	0.00	1.00	0.00
18.28	12.83	2.00	0.00	1.00	0.00	18.30	12.35	2.00	0.00	1.00	0.00
18.32	12.42	2.00	0.00	1.00	0.00	18.34	12.33	2.00	0.00	1.00	0.00
18.36	12.25	2.00	0.00	1.00	0.00	18.38	12.08	2.00	0.00	1.00	0.00
18.40	12.54	2.00	0.00	1.00	0.00	18.42	12.30	2.00	0.00	1.00	0.00
18.44	12.61	2.00	0.00	1.00	0.00	18.46	12.13	2.00	0.00	1.00	0.00
18.48	12.59	2.00	0.00	1.00	0.00	18.50	12.35	2.00	0.00	1.00	0.00
18.52	12.73	2.00	0.00	1.00	0.00	18.54	12.88	2.00	0.00	1.00	0.00
18.56	13.10	2.00	0.00	1.00	0.00	18.58	12.55	2.00	0.00	1.00	0.00
18.60	13.01	2.00	0.00	1.00	0.00	18.62	12.92	2.00	0.00	1.00	0.00
18.64	13.38	2.00	0.00	1.00	0.00	18.66	11.36	2.00	0.00	1.00	0.00
18.68	12.82	2.00	0.00	1.00	0.00	18.70	12.82	2.00	0.00	1.00	0.00
18.72	12.81	2.00	0.00	1.00	0.00	18.74	12.57	2.00	0.00	1.00	0.00
18.76	12.25	2.00	0.00	1.00	0.00	18.78	12.55	2.00	0.00	1.00	0.00
18.80	12.54	2.00	0.00	1.00	0.00	18.82	12.61	2.00	0.00	1.00	0.00
18.84	13.07	2.00	0.00	1.00	0.00	18.86	14.22	2.00	0.00	1.00	0.00
18.88	14.60	2.00	0.00	1.00	0.00	18.90	14.59	2.00	0.00	1.00	0.00
18.92	13.73	2.00	0.00	1.00	0.00	18.94	12.49	2.00	0.00	1.00	0.00
18.96	12.41	2.00	0.00	1.00	0.00	18.98	11.48	2.00	0.00	1.00	0.00
19.00	11.62	2.00	0.00	1.00	0.00	19.02	10.78	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	10.16	2.00	0.00	1.00	0.00	19.06	10.61	2.00	0.00	1.00	0.00
19.08	10.00	2.00	0.00	1.00	0.00	19.10	10.07	2.00	0.00	1.00	0.00
19.12	9.83	2.00	0.00	1.00	0.00	19.14	10.51	2.00	0.00	1.00	0.00
19.16	10.50	2.00	0.00	1.00	0.00	19.18	11.03	2.00	0.00	1.00	0.00
19.20	11.10	2.00	0.00	1.00	0.00	19.22	11.85	2.00	0.00	1.00	0.00
19.24	11.77	2.00	0.00	1.00	0.00	19.26	11.92	2.00	0.00	1.00	0.00
19.28	11.53	2.00	0.00	1.00	0.00	19.30	11.29	2.00	0.00	1.00	0.00
19.32	11.52	2.00	0.00	1.00	0.00	19.34	11.74	2.00	0.00	1.00	0.00
19.36	11.73	2.00	0.00	1.00	0.00	19.38	11.04	2.00	0.00	1.00	0.00
19.40	11.34	2.00	0.00	1.00	0.00	19.42	10.95	2.00	0.00	1.00	0.00
19.44	10.87	2.00	0.00	1.00	0.00	19.46	10.79	2.00	0.00	1.00	0.00
19.48	10.56	2.00	0.00	1.00	0.00	19.50	10.02	2.00	0.00	1.00	0.00
19.52	9.87	2.00	0.00	1.00	0.00	19.54	10.16	2.00	0.00	1.00	0.00
19.56	10.16	2.00	0.00	1.00	0.00	19.58	9.63	2.00	0.00	1.00	0.00
19.60	9.62	2.00	0.00	1.00	0.00	19.62	9.61	2.00	0.00	1.00	0.00
19.64	10.81	2.00	0.00	1.00	0.00	19.66	13.21	2.00	0.00	1.00	0.00
19.68	15.79	2.00	0.00	1.00	0.00	19.70	17.61	2.00	0.00	1.00	0.00
19.72	17.90	2.00	0.00	1.00	0.00	19.74	17.36	2.00	0.00	1.00	0.00
19.76	18.27	2.00	0.00	1.00	0.00	19.78	19.86	2.00	0.00	1.00	0.00
19.80	21.54	2.00	0.00	1.00	0.00	19.82	24.46	2.00	0.00	1.00	0.00
19.84	28.81	2.00	0.00	1.00	0.00	19.86	92.92	1.35	0.30	1.00	0.01
19.88	95.04	1.39	0.28	1.00	0.01	19.90	97.73	1.43	0.25	1.00	0.00
19.92	98.77	1.45	0.24	1.00	0.00	19.94	99.98	1.47	0.22	1.00	0.00
19.96	100.87	1.49	0.21	1.00	0.00	19.98	102.74	1.53	0.20	1.00	0.00
20.00	104.54	1.57	0.18	1.00	0.00						

Total estimated settlement: 0.04

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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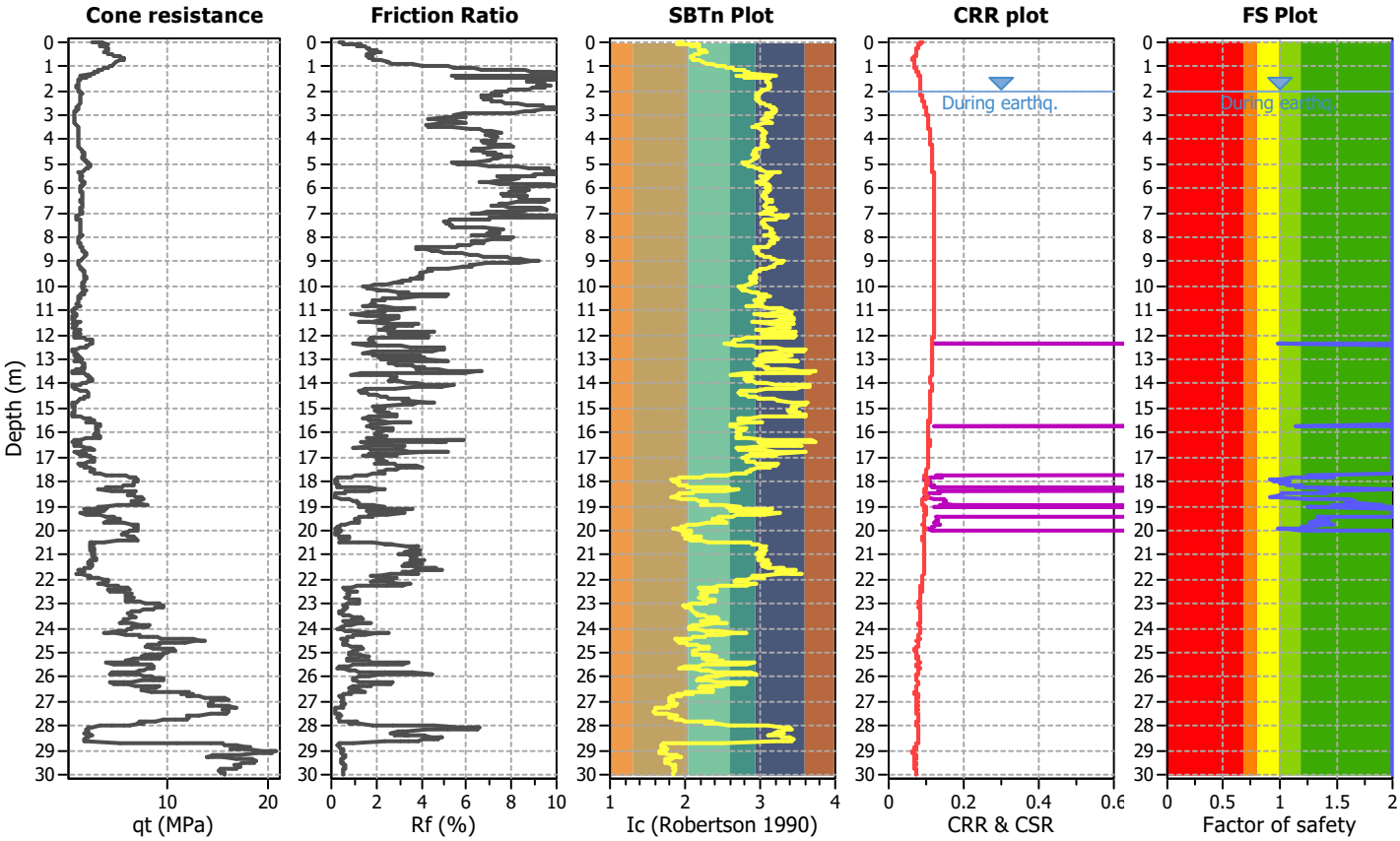
LIQUEFACTION ANALYSIS REPORT

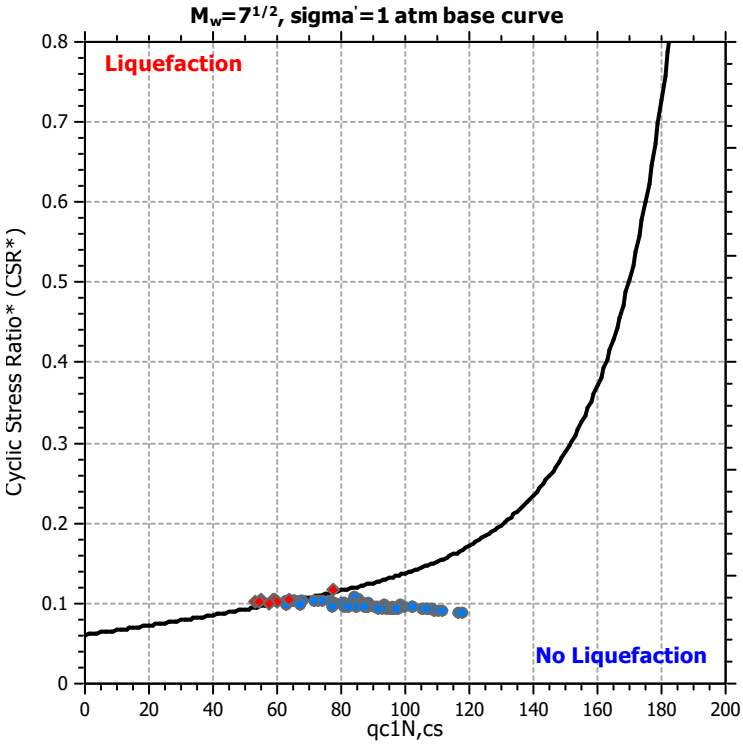
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

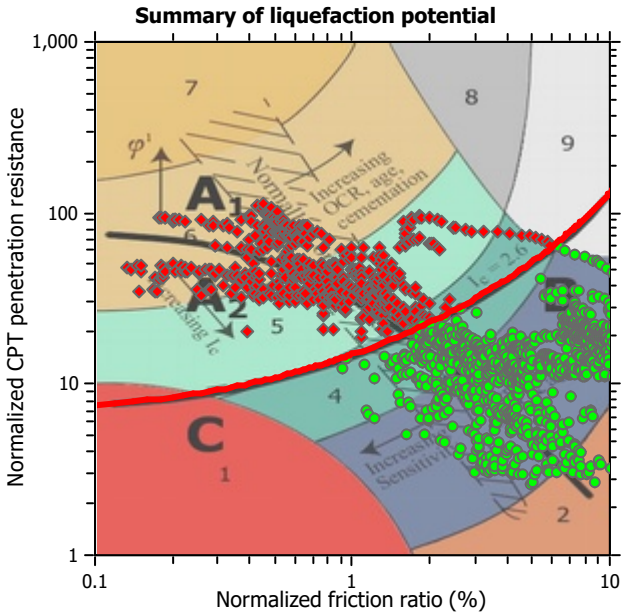
CPT file : P263

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

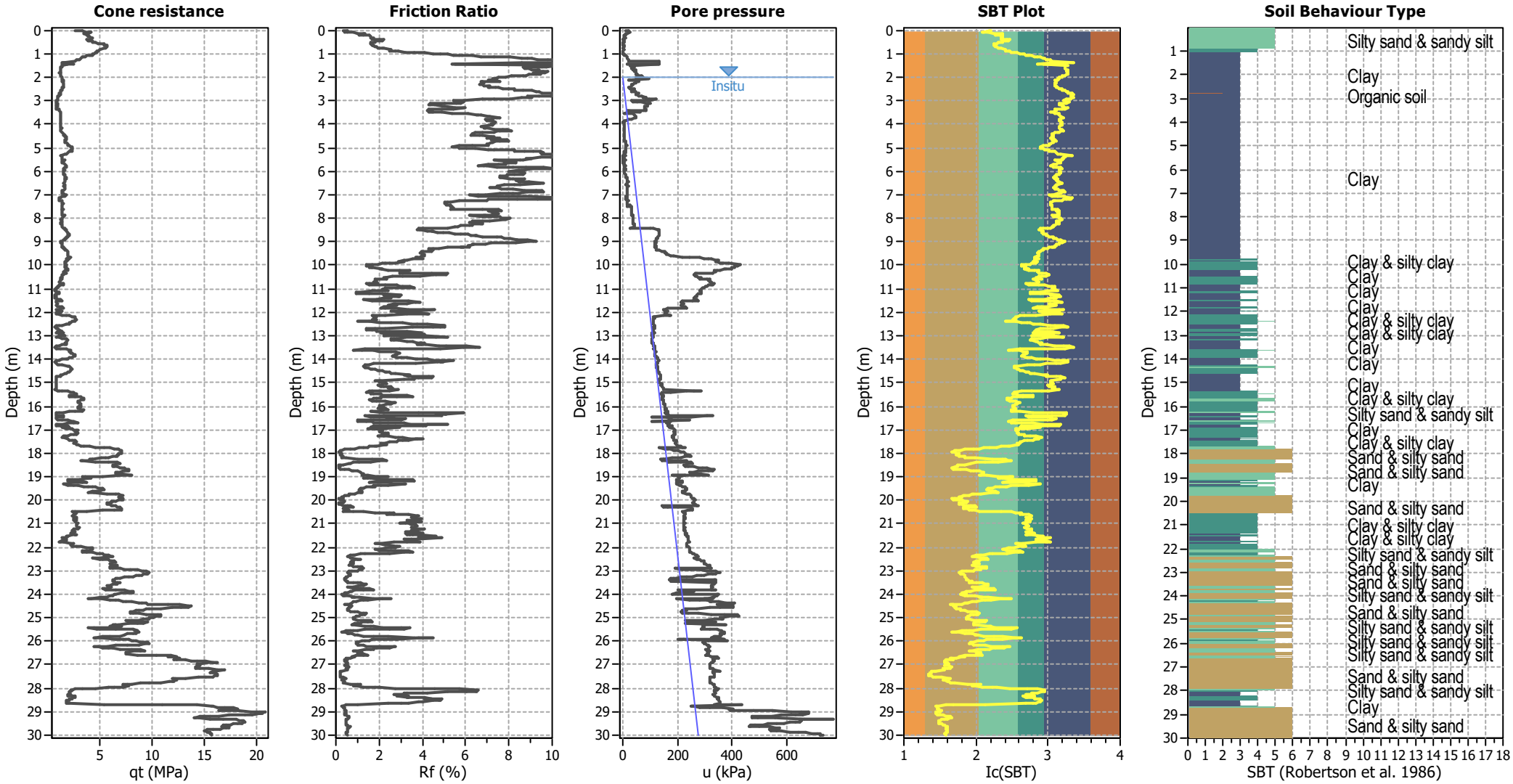






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



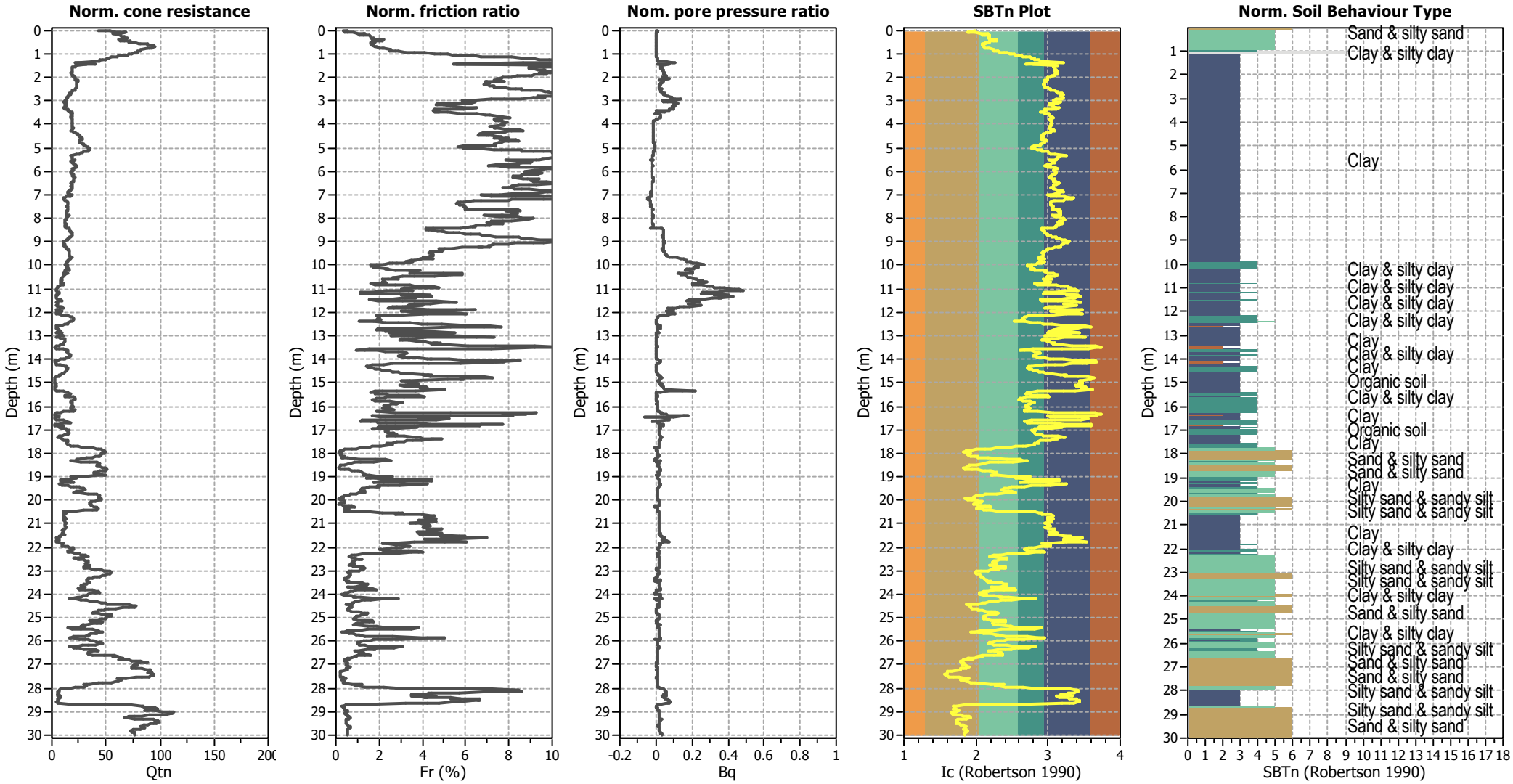
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



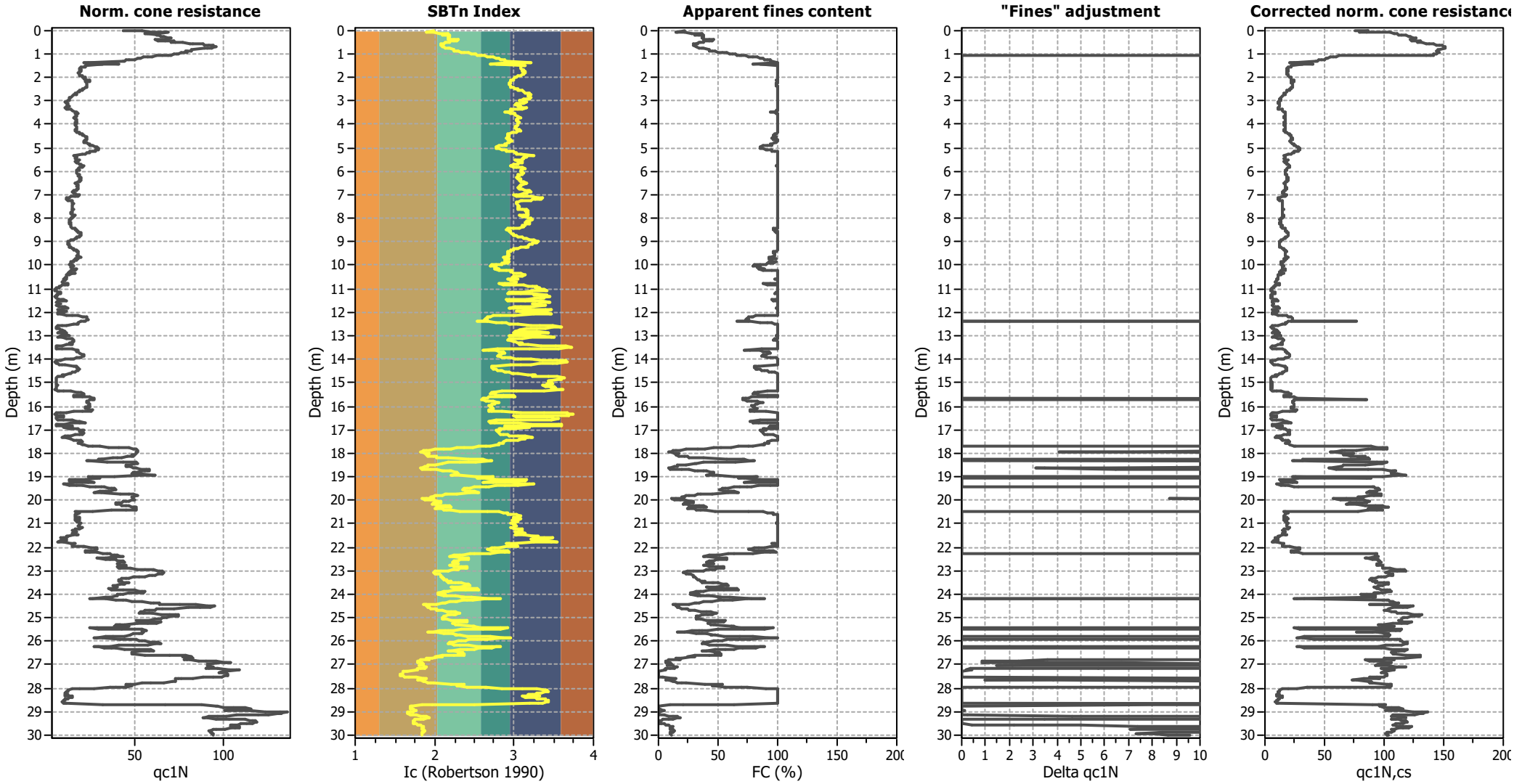
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

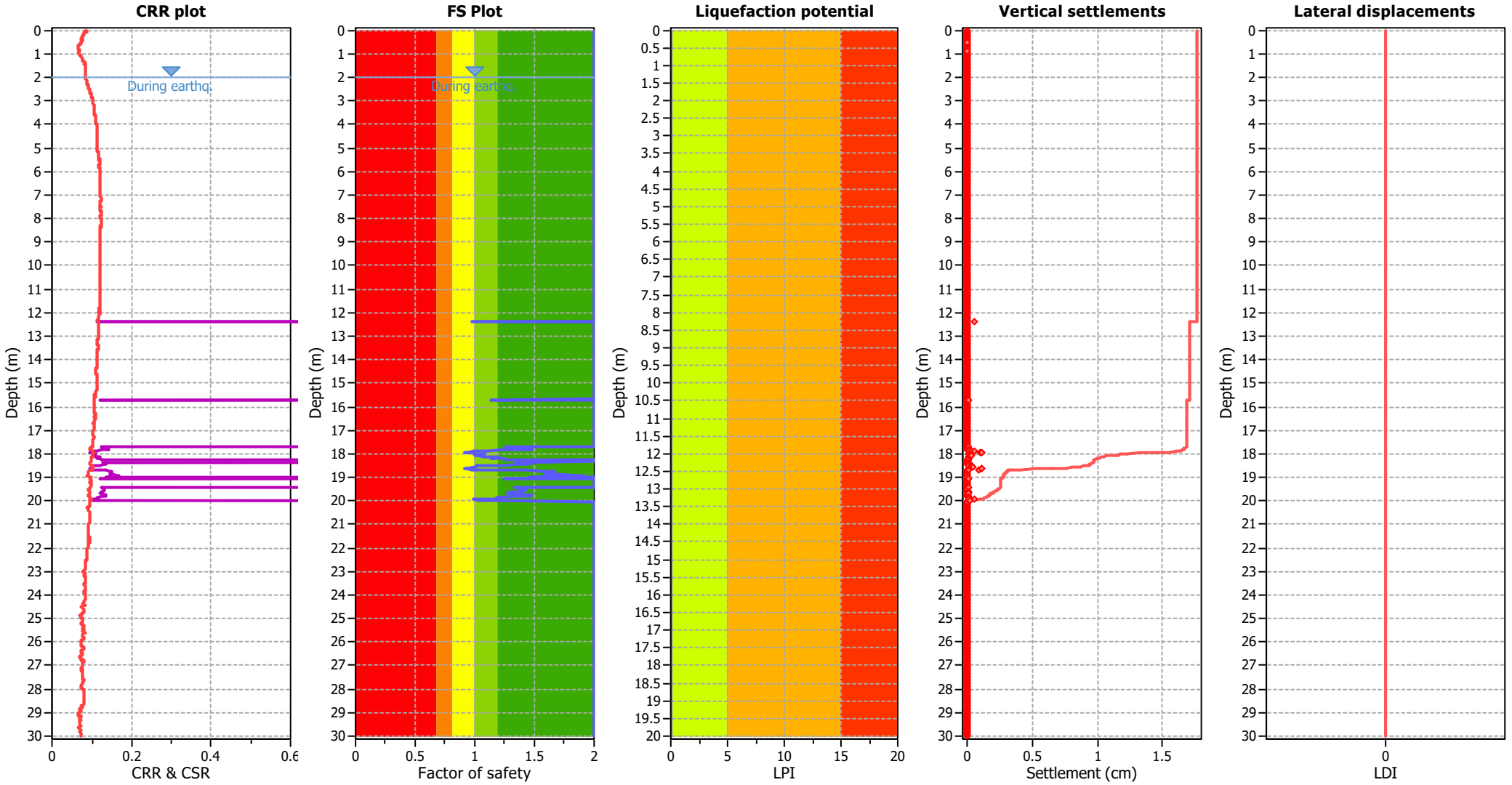
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

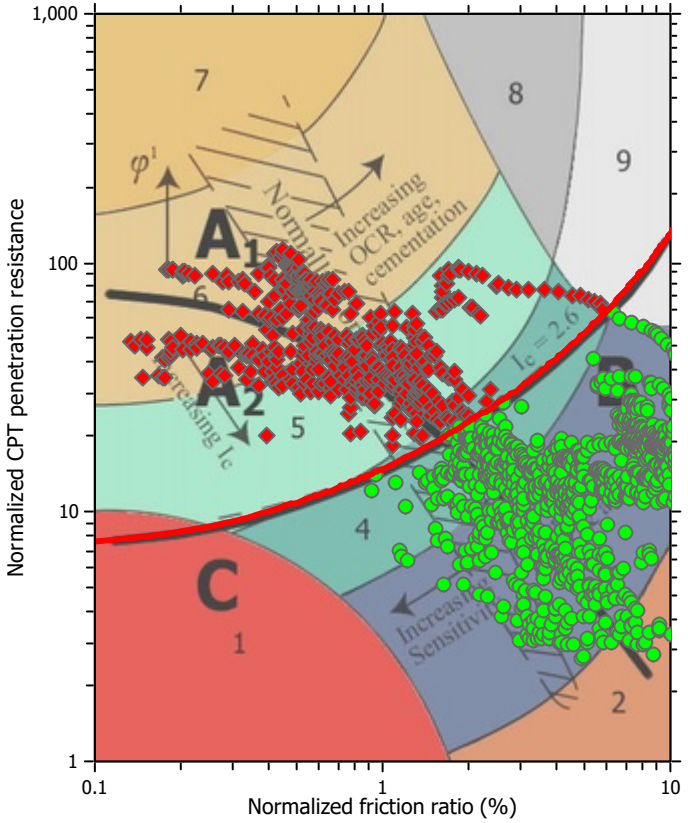
F.S. color scheme

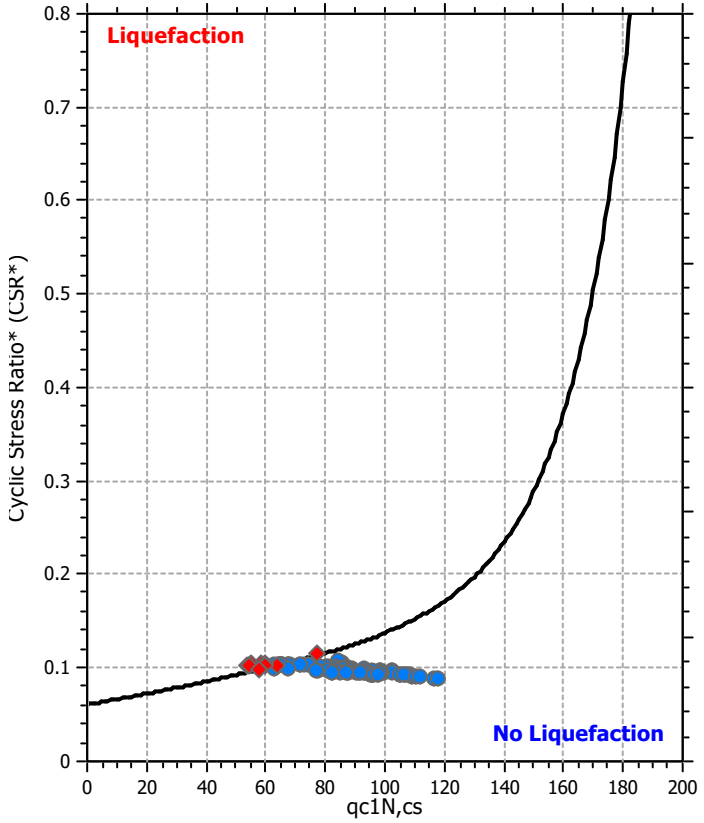
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

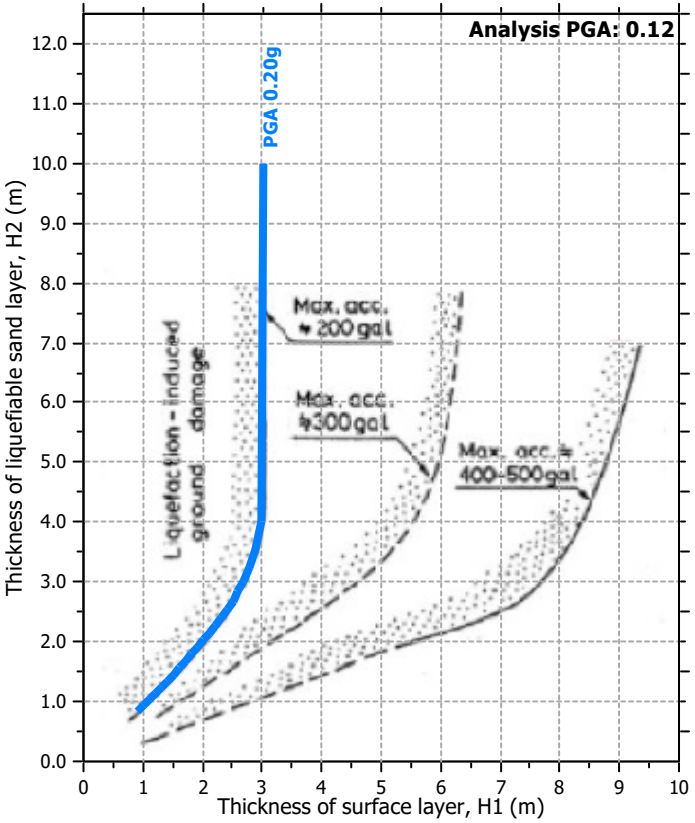
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



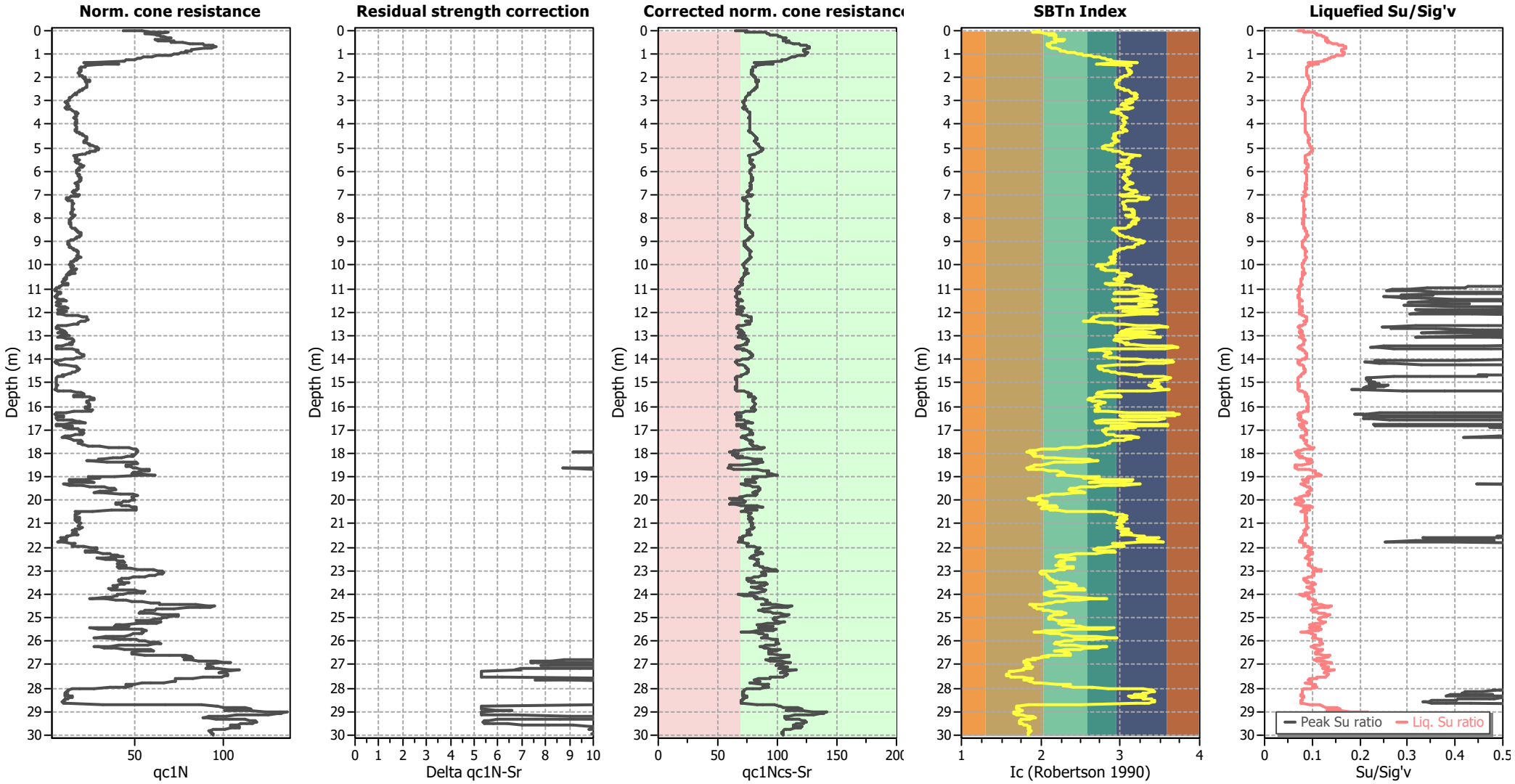




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	0.98	0.02	20054.46	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	1.14	0.00	0.00	0.02	0.00	15.72	1.13	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	1.25	0.00	0.00	0.02	0.00
17.74	1.32	0.00	0.00	0.02	0.00	17.76	1.41	0.00	0.00	0.02	0.00
17.78	1.47	0.00	0.00	0.02	0.00	17.80	1.48	0.00	0.00	0.02	0.00
17.82	1.41	0.00	0.00	0.02	0.00	17.84	1.23	0.00	0.00	0.02	0.00
17.86	1.11	0.00	0.00	0.02	0.00	17.88	1.02	0.00	0.00	0.02	0.00
17.90	0.99	0.01	270812643.44	0.02	0.00	17.92	0.94	0.06	33.09	0.02	0.00
17.94	0.92	0.08	9.60	0.02	0.00	17.96	0.95	0.05	61.88	0.02	0.00
17.98	1.01	0.00	0.00	0.02	0.00	18.00	1.08	0.00	0.00	0.02	0.00
18.02	1.09	0.00	0.00	0.02	0.00	18.04	1.06	0.00	0.00	0.02	0.00
18.06	1.03	0.00	0.00	0.02	0.00	18.08	1.01	0.00	0.00	0.02	0.00
18.10	1.03	0.00	0.00	0.02	0.00	18.12	1.07	0.00	0.00	0.02	0.00
18.14	1.17	0.00	0.00	0.02	0.00	18.16	1.20	0.00	0.00	0.02	0.00
18.18	1.16	0.00	0.00	0.02	0.00	18.20	1.14	0.00	0.00	0.02	0.00
18.22	1.24	0.00	0.00	0.02	0.00	18.24	1.26	0.00	0.00	0.02	0.00
18.26	1.26	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	1.34	0.00	0.00	0.02	0.00
18.38	1.45	0.00	0.00	0.02	0.00	18.40	1.50	0.00	0.00	0.02	0.00
18.42	1.43	0.00	0.00	0.02	0.00	18.44	1.42	0.00	0.00	0.02	0.00
18.46	1.39	0.00	0.00	0.02	0.00	18.48	1.21	0.00	0.00	0.02	0.00
18.50	1.02	0.00	0.00	0.02	0.00	18.52	1.02	0.00	0.00	0.02	0.00
18.54	1.01	0.00	0.00	0.02	0.00	18.56	1.02	0.00	0.00	0.02	0.00
18.58	1.00	0.00	0.00	0.02	0.00	18.60	0.93	0.07	15.09	0.02	0.00
18.62	0.92	0.08	10.40	0.02	0.00	18.64	0.93	0.07	13.23	0.02	0.00
18.66	0.97	0.03	1530.22	0.02	0.00	18.68	1.25	0.00	0.00	0.02	0.00
18.70	1.44	0.00	0.00	0.02	0.00	18.72	1.57	0.00	0.00	0.02	0.00
18.74	1.62	0.00	0.00	0.02	0.00	18.76	1.67	0.00	0.00	0.02	0.00
18.78	1.65	0.00	0.00	0.02	0.00	18.80	1.63	0.00	0.00	0.02	0.00
18.82	1.60	0.00	0.00	0.02	0.00	18.84	1.58	0.00	0.00	0.02	0.00
18.86	1.58	0.00	0.00	0.02	0.00	18.88	1.61	0.00	0.00	0.02	0.00
18.90	1.70	0.00	0.00	0.02	0.00	18.92	1.87	0.00	0.00	0.02	0.00
18.94	1.92	0.00	0.00	0.02	0.00	18.96	1.74	0.00	0.00	0.02	0.00
18.98	1.45	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	1.24	0.00	0.00	0.02	0.00
19.06	1.30	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	1.33	0.00	0.00	0.02	0.00
19.46	1.35	0.00	0.00	0.02	0.00	19.48	1.38	0.00	0.00	0.02	0.00
19.50	1.40	0.00	0.00	0.02	0.00	19.52	1.42	0.00	0.00	0.02	0.00
19.54	1.43	0.00	0.00	0.02	0.00	19.56	1.43	0.00	0.00	0.02	0.00
19.58	1.42	0.00	0.00	0.02	0.00	19.60	1.39	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.35	0.00	0.00	0.02	0.00	19.64	1.31	0.00	0.00	0.02	0.00
19.66	1.26	0.00	0.00	0.02	0.00	19.68	1.27	0.00	0.00	0.02	0.00
19.70	1.31	0.00	0.00	0.02	0.00	19.72	1.44	0.00	0.00	0.02	0.00
19.74	1.45	0.00	0.00	0.02	0.00	19.76	1.47	0.00	0.00	0.02	0.00
19.78	1.47	0.00	0.00	0.02	0.00	19.80	1.37	0.00	0.00	0.02	0.00
19.82	1.30	0.00	0.00	0.02	0.00	19.84	1.22	0.00	0.00	0.02	0.00
19.86	1.19	0.00	0.00	0.02	0.00	19.88	1.24	0.00	0.00	0.02	0.00
19.90	1.23	0.00	0.00	0.02	0.00	19.92	1.08	0.00	0.00	0.02	0.00
19.94	0.99	0.01	15527054.70	0.02	0.00	19.96	1.04	0.00	0.00	0.02	0.00
19.98	1.19	0.00	0.00	0.02	0.00	20.00	1.25	0.00	0.00	0.02	0.00

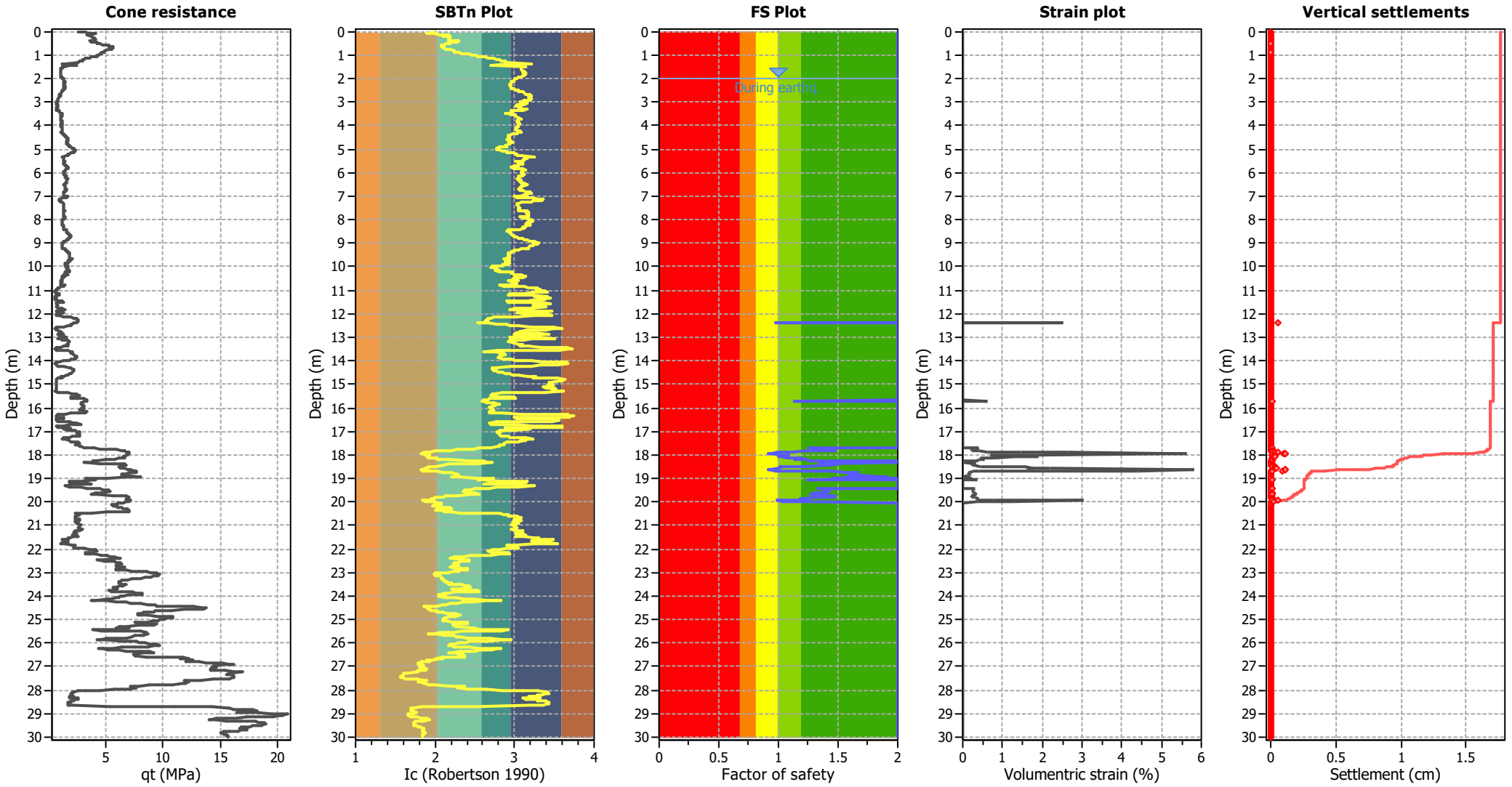
Overall liquefaction potential: 0.01

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.98	43.35	1.00	43.35	9	28660	0.09	0.000	0.00	3.58	0.00	0.000
0.04	1.98	53.79	1.29	69.44	14	35385	0.09	0.000	0.00	3.58	0.00	0.000
0.06	1.90	58.82	1.00	58.82	12	35138	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.89	67.37	1.23	82.82	17	39512	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.98	69.07	1.29	89.32	18	45603	0.08	0.000	0.00	3.58	0.00	0.000
0.12	2.07	62.81	1.37	86.27	18	46113	0.08	0.000	0.00	3.58	0.00	0.000
0.14	2.17	55.90	1.56	86.93	19	47098	0.08	0.000	0.00	3.58	0.00	0.000
0.16	2.18	56.88	1.56	88.58	20	47982	0.08	0.000	0.00	3.58	0.00	0.000
0.18	2.09	63.60	1.40	89.33	19	48129	0.08	0.001	0.00	3.58	0.00	0.000
0.20	2.14	62.59	1.48	92.43	20	50174	0.08	0.001	0.00	3.58	0.00	0.000
0.22	2.18	63.39	1.57	99.40	22	53801	0.08	0.001	0.00	3.58	0.00	0.000
0.24	2.19	64.57	1.58	102.22	23	55257	0.08	0.001	0.00	3.58	0.00	0.000
0.26	2.19	64.56	1.59	102.61	23	55436	0.08	0.001	0.00	3.58	0.00	0.000
0.28	2.18	66.56	1.56	103.56	23	56103	0.08	0.001	0.00	3.58	0.00	0.000
0.30	2.17	68.41	1.56	106.40	24	57644	0.08	0.001	0.00	3.58	0.00	0.000
0.32	2.18	70.41	1.57	110.22	25	59669	0.07	0.001	0.00	3.58	0.00	0.000
0.34	2.18	69.56	1.58	109.71	25	59338	0.07	0.001	0.00	3.58	0.00	0.000
0.36	2.18	68.35	1.57	106.99	24	57923	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.25	65.66	1.76	115.27	27	60901	0.07	0.001	0.00	3.58	0.00	0.000
0.40	2.25	65.68	1.76	115.77	27	61096	0.07	0.001	0.00	3.58	0.00	0.000
0.42	2.29	61.64	1.90	117.26	28	60394	0.08	0.001	0.00	3.58	0.00	0.000
0.44	2.28	63.14	1.85	116.69	27	60689	0.08	0.001	0.00	3.58	0.00	0.000
0.46	2.24	66.65	1.73	115.32	26	61174	0.07	0.001	0.00	3.58	0.00	0.000
0.48	2.19	72.03	1.59	114.41	26	61820	0.07	0.001	0.00	3.58	0.00	0.000
0.50	2.19	70.67	1.59	112.30	25	60672	0.07	0.001	0.00	3.58	0.00	0.000
0.52	2.15	72.49	1.51	109.20	24	59288	0.07	0.001	0.00	3.58	0.00	0.000
0.54	2.14	76.52	1.48	113.02	25	61353	0.07	0.001	0.00	3.58	0.00	0.000
0.56	2.12	80.70	1.44	116.43	25	63071	0.07	0.001	0.00	3.58	0.00	0.000
0.58	2.12	82.37	1.45	119.20	26	64598	0.07	0.001	0.00	3.58	0.00	0.000
0.60	2.08	88.58	1.40	123.63	27	66480	0.07	0.001	0.00	3.58	0.00	0.000
0.62	2.10	88.74	1.42	126.00	27	68069	0.07	0.001	0.00	3.58	0.00	0.000
0.64	2.10	91.42	1.41	129.18	28	69706	0.07	0.001	0.00	3.58	0.00	0.000
0.66	2.08	94.28	1.40	131.58	28	70754	0.07	0.001	0.00	3.58	0.00	0.000
0.68	2.11	93.26	1.43	133.68	29	72348	0.07	0.001	0.00	3.58	0.00	0.000
0.70	2.10	95.28	1.42	135.57	29	73272	0.07	0.001	0.00	3.58	0.00	0.000
0.72	2.11	94.43	1.44	135.73	30	73490	0.07	0.001	0.00	3.58	0.00	0.000
0.74	2.13	92.90	1.48	137.09	30	74412	0.07	0.001	0.00	3.58	0.00	0.000
0.76	2.17	90.55	1.54	139.03	31	75408	0.07	0.001	0.00	3.58	0.00	0.000
0.78	2.18	89.20	1.57	140.26	31	75892	0.07	0.002	0.00	3.58	0.00	0.000
0.80	2.25	81.98	1.75	143.49	33	75879	0.07	0.002	0.00	3.58	0.00	0.000
0.82	2.24	81.64	1.73	141.55	33	75047	0.07	0.002	0.00	3.58	0.00	0.000
0.84	2.24	81.80	1.73	141.88	33	75215	0.07	0.002	0.00	3.58	0.00	0.000
0.86	2.24	81.28	1.74	141.23	32	74833	0.07	0.002	0.00	3.58	0.00	0.000
0.88	2.28	79.43	1.86	148.03	35	76778	0.07	0.002	0.00	3.58	0.00	0.000
0.90	2.30	78.59	1.94	152.56	36	78020	0.07	0.002	0.00	3.58	0.00	0.000
0.92	2.34	78.75	2.08	163.62	39	81574	0.07	0.002	0.00	3.58	0.00	0.000
0.94	2.38	77.57	2.28	176.58	43	84843	0.07	0.002	0.00	3.58	0.00	0.000
0.96	2.42	76.22	2.50	190.91	47	88054	0.07	0.002	0.00	3.58	0.00	0.000
0.98	2.47	74.19	2.76	204.63	52	90446	0.07	0.002	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.49	73.35	2.92	214.17	55	92276	0.07	0.002	0.00	3.58	0.00	0.000
1.02	2.52	71.51	3.12	223.20	58	93307	0.07	0.002	0.00	3.58	0.00	0.000
1.04	2.54	70.33	3.29	231.17	61	94408	0.07	0.002	0.00	3.58	0.00	0.000
1.06	2.57	68.32	3.47	237.21	63	94501	0.07	0.002	0.00	3.58	0.00	0.000
1.08	2.59	65.32	3.63	237.15	64	92598	0.07	0.002	0.00	3.58	0.00	0.000
1.10	2.63	62.31	3.98	248.29	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.12	2.66	59.79	4.28	256.10	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.14	2.70	56.94	4.71	268.21	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.16	2.74	54.60	5.19	283.59	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.18	2.78	52.58	5.59	293.77	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.20	2.79	52.07	5.73	298.22	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.22	2.80	51.06	5.89	300.87	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.24	2.82	49.38	6.13	302.79	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.26	2.85	46.69	6.55	305.95	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.28	2.88	44.84	6.90	309.54	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.30	2.89	43.67	7.08	308.98	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.32	2.90	42.66	7.22	308.13	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.34	2.90	43.29	7.14	308.94	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.36	3.21	24.15	13.03	314.80	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.38	3.21	21.30	13.07	278.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.93	31.19	7.60	237.08	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.42	2.70	40.91	4.67	190.89	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.44	3.09	22.45	10.39	233.29	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.46	2.78	31.84	5.64	179.49	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.48	3.13	21.90	11.25	246.26	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.50	3.12	21.34	11.09	236.62	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.52	3.09	21.66	10.46	226.47	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.54	3.08	21.35	10.29	219.60	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.56	3.08	21.22	10.18	216.08	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.58	3.08	19.01	10.29	195.58	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	3.09	18.48	10.48	193.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	3.09	18.96	10.39	196.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	3.09	18.99	10.46	198.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	3.10	18.82	10.63	199.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	3.12	18.36	11.02	202.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	3.11	18.83	10.79	203.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	3.10	19.17	10.62	203.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	3.12	18.68	10.96	204.84	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	3.12	18.67	11.03	205.93	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	3.13	18.34	11.27	206.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	3.13	18.17	11.26	204.51	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	3.12	17.66	11.08	195.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.84	3.13	17.82	11.15	198.64	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.86	3.13	18.16	11.12	201.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	3.12	18.14	11.02	199.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	3.10	18.65	10.61	197.80	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.92	3.09	18.68	10.50	196.17	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.94	3.09	18.86	10.34	195.04	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.96	3.05	19.74	9.74	192.33	0	0	0.08	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	3.04	20.27	9.41	190.62	0	0	0.08	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	20.47	2.00	0.00	1.00	0.00	2.02	21.81	2.00	0.00	1.00	0.00
2.04	21.98	2.00	0.00	1.00	0.00	2.06	21.94	2.00	0.00	1.00	0.00
2.08	21.42	2.00	0.00	1.00	0.00	2.10	22.15	2.00	0.00	1.00	0.00
2.12	22.72	2.00	0.00	1.00	0.00	2.14	24.36	2.00	0.00	1.00	0.00
2.16	24.15	2.00	0.00	1.00	0.00	2.18	22.26	2.00	0.00	1.00	0.00
2.20	22.21	2.00	0.00	1.00	0.00	2.22	22.78	2.00	0.00	1.00	0.00
2.24	22.42	2.00	0.00	1.00	0.00	2.26	22.98	2.00	0.00	1.00	0.00
2.28	22.94	2.00	0.00	1.00	0.00	2.30	23.04	2.00	0.00	1.00	0.00
2.32	22.99	2.00	0.00	1.00	0.00	2.34	23.09	2.00	0.00	1.00	0.00
2.36	22.74	2.00	0.00	1.00	0.00	2.38	22.99	2.00	0.00	1.00	0.00
2.40	22.79	2.00	0.00	1.00	0.00	2.42	22.44	2.00	0.00	1.00	0.00
2.44	21.79	2.00	0.00	1.00	0.00	2.46	21.90	2.00	0.00	1.00	0.00
2.48	21.40	2.00	0.00	1.00	0.00	2.50	21.06	2.00	0.00	1.00	0.00
2.52	20.41	2.00	0.00	1.00	0.00	2.54	20.37	2.00	0.00	1.00	0.00
2.56	19.58	2.00	0.00	1.00	0.00	2.58	18.78	2.00	0.00	1.00	0.00
2.60	18.29	2.00	0.00	1.00	0.00	2.62	17.95	2.00	0.00	1.00	0.00
2.64	17.76	2.00	0.00	1.00	0.00	2.66	17.28	2.00	0.00	1.00	0.00
2.68	16.34	2.00	0.00	1.00	0.00	2.70	15.85	2.00	0.00	1.00	0.00
2.72	17.32	2.00	0.00	1.00	0.00	2.74	15.63	2.00	0.00	1.00	0.00
2.76	15.30	2.00	0.00	1.00	0.00	2.78	14.81	2.00	0.00	1.00	0.00
2.80	14.63	2.00	0.00	1.00	0.00	2.82	14.60	2.00	0.00	1.00	0.00
2.84	13.67	2.00	0.00	1.00	0.00	2.86	13.04	2.00	0.00	1.00	0.00
2.88	12.86	2.00	0.00	1.00	0.00	2.90	12.69	2.00	0.00	1.00	0.00
2.92	12.82	2.00	0.00	1.00	0.00	2.94	12.94	2.00	0.00	1.00	0.00
2.96	13.22	2.00	0.00	1.00	0.00	2.98	12.74	2.00	0.00	1.00	0.00
3.00	12.12	2.00	0.00	1.00	0.00	3.02	11.65	2.00	0.00	1.00	0.00
3.04	11.03	2.00	0.00	1.00	0.00	3.06	10.71	2.00	0.00	1.00	0.00
3.08	11.44	2.00	0.00	1.00	0.00	3.10	11.72	2.00	0.00	1.00	0.00
3.12	11.85	2.00	0.00	1.00	0.00	3.14	12.27	2.00	0.00	1.00	0.00
3.16	12.25	2.00	0.00	1.00	0.00	3.18	11.93	2.00	0.00	1.00	0.00
3.20	11.91	2.00	0.00	1.00	0.00	3.22	11.60	2.00	0.00	1.00	0.00
3.24	11.87	2.00	0.00	1.00	0.00	3.26	12.59	2.00	0.00	1.00	0.00
3.28	11.54	2.00	0.00	1.00	0.00	3.30	10.93	2.00	0.00	1.00	0.00
3.32	10.76	2.00	0.00	1.00	0.00	3.34	11.48	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	12.33	2.00	0.00	1.00	0.00	3.38	14.05	2.00	0.00	1.00	0.00
3.40	14.31	2.00	0.00	1.00	0.00	3.42	14.29	2.00	0.00	1.00	0.00
3.44	14.26	2.00	0.00	1.00	0.00	3.46	15.96	2.00	0.00	1.00	0.00
3.48	17.35	2.00	0.00	1.00	0.00	3.50	17.31	2.00	0.00	1.00	0.00
3.52	17.56	2.00	0.00	1.00	0.00	3.54	16.54	2.00	0.00	1.00	0.00
3.56	16.93	2.00	0.00	1.00	0.00	3.58	16.90	2.00	0.00	1.00	0.00
3.60	16.88	2.00	0.00	1.00	0.00	3.62	17.12	2.00	0.00	1.00	0.00
3.64	16.68	2.00	0.00	1.00	0.00	3.66	16.51	2.00	0.00	1.00	0.00
3.68	16.34	2.00	0.00	1.00	0.00	3.70	15.76	2.00	0.00	1.00	0.00
3.72	16.28	2.00	0.00	1.00	0.00	3.74	16.53	2.00	0.00	1.00	0.00
3.76	16.50	2.00	0.00	1.00	0.00	3.78	16.48	2.00	0.00	1.00	0.00
3.80	17.00	2.00	0.00	1.00	0.00	3.82	17.11	2.00	0.00	1.00	0.00
3.84	16.94	2.00	0.00	1.00	0.00	3.86	17.05	2.00	0.00	1.00	0.00
3.88	16.88	2.00	0.00	1.00	0.00	3.90	16.72	2.00	0.00	1.00	0.00
3.92	16.42	2.00	0.00	1.00	0.00	3.94	16.66	2.00	0.00	1.00	0.00
3.96	16.63	2.00	0.00	1.00	0.00	3.98	16.60	2.00	0.00	1.00	0.00
4.00	16.31	2.00	0.00	1.00	0.00	4.02	16.55	2.00	0.00	1.00	0.00
4.04	16.25	2.00	0.00	1.00	0.00	4.06	16.22	2.00	0.00	1.00	0.00
4.08	16.74	2.00	0.00	1.00	0.00	4.10	16.84	2.00	0.00	1.00	0.00
4.12	16.82	2.00	0.00	1.00	0.00	4.14	17.06	2.00	0.00	1.00	0.00
4.16	17.16	2.00	0.00	1.00	0.00	4.18	17.13	2.00	0.00	1.00	0.00
4.20	16.97	2.00	0.00	1.00	0.00	4.22	16.68	2.00	0.00	1.00	0.00
4.24	16.39	2.00	0.00	1.00	0.00	4.26	15.83	2.00	0.00	1.00	0.00
4.28	16.60	2.00	0.00	1.00	0.00	4.30	16.84	2.00	0.00	1.00	0.00
4.32	17.07	2.00	0.00	1.00	0.00	4.34	17.70	2.00	0.00	1.00	0.00
4.36	18.33	2.00	0.00	1.00	0.00	4.38	18.96	2.00	0.00	1.00	0.00
4.40	19.71	2.00	0.00	1.00	0.00	4.42	20.20	2.00	0.00	1.00	0.00
4.44	20.69	2.00	0.00	1.00	0.00	4.46	20.26	2.00	0.00	1.00	0.00
4.48	20.88	2.00	0.00	1.00	0.00	4.50	21.49	2.00	0.00	1.00	0.00
4.52	21.71	2.00	0.00	1.00	0.00	4.54	21.80	2.00	0.00	1.00	0.00
4.56	22.53	2.00	0.00	1.00	0.00	4.58	23.14	2.00	0.00	1.00	0.00
4.60	22.46	2.00	0.00	1.00	0.00	4.62	22.68	2.00	0.00	1.00	0.00
4.64	22.90	2.00	0.00	1.00	0.00	4.66	22.61	2.00	0.00	1.00	0.00
4.68	21.56	2.00	0.00	1.00	0.00	4.70	20.89	2.00	0.00	1.00	0.00
4.72	21.24	2.00	0.00	1.00	0.00	4.74	21.33	2.00	0.00	1.00	0.00
4.76	21.43	2.00	0.00	1.00	0.00	4.78	22.02	2.00	0.00	1.00	0.00
4.80	22.49	2.00	0.00	1.00	0.00	4.82	23.34	2.00	0.00	1.00	0.00
4.84	24.18	2.00	0.00	1.00	0.00	4.86	24.64	2.00	0.00	1.00	0.00
4.88	24.47	2.00	0.00	1.00	0.00	4.90	25.44	2.00	0.00	1.00	0.00
4.92	26.15	2.00	0.00	1.00	0.00	4.94	27.35	2.00	0.00	1.00	0.00
4.96	27.92	2.00	0.00	1.00	0.00	4.98	28.12	2.00	0.00	1.00	0.00
5.00	28.93	2.00	0.00	1.00	0.00	5.02	28.64	2.00	0.00	1.00	0.00
5.04	29.32	2.00	0.00	1.00	0.00	5.06	29.03	2.00	0.00	1.00	0.00
5.08	29.35	2.00	0.00	1.00	0.00	5.10	27.72	2.00	0.00	1.00	0.00
5.12	27.80	2.00	0.00	1.00	0.00	5.14	26.78	2.00	0.00	1.00	0.00
5.16	26.01	2.00	0.00	1.00	0.00	5.18	24.76	2.00	0.00	1.00	0.00
5.20	24.12	2.00	0.00	1.00	0.00	5.22	23.36	2.00	0.00	1.00	0.00
5.24	22.59	2.00	0.00	1.00	0.00	5.26	22.20	2.00	0.00	1.00	0.00
5.28	21.80	2.00	0.00	1.00	0.00	5.30	20.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	15.26	2.00	0.00	1.00	0.00	5.34	17.08	2.00	0.00	1.00	0.00
5.36	16.93	2.00	0.00	1.00	0.00	5.38	16.91	2.00	0.00	1.00	0.00
5.40	16.52	2.00	0.00	1.00	0.00	5.42	16.74	2.00	0.00	1.00	0.00
5.44	16.84	2.00	0.00	1.00	0.00	5.46	16.93	2.00	0.00	1.00	0.00
5.48	16.42	2.00	0.00	1.00	0.00	5.50	16.64	2.00	0.00	1.00	0.00
5.52	16.74	2.00	0.00	1.00	0.00	5.54	19.01	2.00	0.00	1.00	0.00
5.56	17.17	2.00	0.00	1.00	0.00	5.58	16.55	2.00	0.00	1.00	0.00
5.60	16.40	2.00	0.00	1.00	0.00	5.62	16.62	2.00	0.00	1.00	0.00
5.64	17.32	2.00	0.00	1.00	0.00	5.66	17.89	2.00	0.00	1.00	0.00
5.68	18.59	2.00	0.00	1.00	0.00	5.70	19.27	2.00	0.00	1.00	0.00
5.72	19.84	2.00	0.00	1.00	0.00	5.74	20.64	2.00	0.00	1.00	0.00
5.76	20.14	2.00	0.00	1.00	0.00	5.78	20.82	2.00	0.00	1.00	0.00
5.80	20.56	2.00	0.00	1.00	0.00	5.82	20.06	2.00	0.00	1.00	0.00
5.84	19.80	2.00	0.00	1.00	0.00	5.86	18.94	2.00	0.00	1.00	0.00
5.88	18.21	2.00	0.00	1.00	0.00	5.90	17.72	2.00	0.00	1.00	0.00
5.92	18.16	2.00	0.00	1.00	0.00	5.94	18.37	2.00	0.00	1.00	0.00
5.96	17.76	2.00	0.00	1.00	0.00	5.98	17.03	2.00	0.00	1.00	0.00
6.00	16.89	2.00	0.00	1.00	0.00	6.02	16.75	2.00	0.00	1.00	0.00
6.04	16.73	2.00	0.00	1.00	0.00	6.06	16.71	2.00	0.00	1.00	0.00
6.08	17.15	2.00	0.00	1.00	0.00	6.10	17.36	2.00	0.00	1.00	0.00
6.12	17.57	2.00	0.00	1.00	0.00	6.14	18.13	2.00	0.00	1.00	0.00
6.16	18.45	2.00	0.00	1.00	0.00	6.18	18.20	2.00	0.00	1.00	0.00
6.20	18.06	2.00	0.00	1.00	0.00	6.22	18.61	2.00	0.00	1.00	0.00
6.24	18.59	2.00	0.00	1.00	0.00	6.26	18.33	2.00	0.00	1.00	0.00
6.28	19.69	2.00	0.00	1.00	0.00	6.30	19.20	2.00	0.00	1.00	0.00
6.32	19.29	2.00	0.00	1.00	0.00	6.34	18.47	2.00	0.00	1.00	0.00
6.36	18.56	2.00	0.00	1.00	0.00	6.38	18.76	2.00	0.00	1.00	0.00
6.40	19.08	2.00	0.00	1.00	0.00	6.42	18.37	2.00	0.00	1.00	0.00
6.44	18.46	2.00	0.00	1.00	0.00	6.46	17.53	2.00	0.00	1.00	0.00
6.48	16.59	2.00	0.00	1.00	0.00	6.50	16.57	2.00	0.00	1.00	0.00
6.52	16.89	2.00	0.00	1.00	0.00	6.54	16.41	2.00	0.00	1.00	0.00
6.56	17.53	2.00	0.00	1.00	0.00	6.58	17.50	2.00	0.00	1.00	0.00
6.60	17.48	2.00	0.00	1.00	0.00	6.62	17.46	2.00	0.00	1.00	0.00
6.64	17.10	2.00	0.00	1.00	0.00	6.66	17.08	2.00	0.00	1.00	0.00
6.68	17.51	2.00	0.00	1.00	0.00	6.70	18.16	2.00	0.00	1.00	0.00
6.72	18.25	2.00	0.00	1.00	0.00	6.74	18.12	2.00	0.00	1.00	0.00
6.76	17.76	2.00	0.00	1.00	0.00	6.78	17.40	2.00	0.00	1.00	0.00
6.80	16.82	2.00	0.00	1.00	0.00	6.82	15.90	2.00	0.00	1.00	0.00
6.84	15.32	2.00	0.00	1.00	0.00	6.86	14.86	2.00	0.00	1.00	0.00
6.88	15.29	2.00	0.00	1.00	0.00	6.90	15.27	2.00	0.00	1.00	0.00
6.92	15.25	2.00	0.00	1.00	0.00	6.94	15.23	2.00	0.00	1.00	0.00
6.96	15.99	2.00	0.00	1.00	0.00	6.98	17.08	2.00	0.00	1.00	0.00
7.00	17.94	2.00	0.00	1.00	0.00	7.02	18.81	2.00	0.00	1.00	0.00
7.04	17.46	2.00	0.00	1.00	0.00	7.06	15.89	2.00	0.00	1.00	0.00
7.08	14.11	2.00	0.00	1.00	0.00	7.10	12.65	2.00	0.00	1.00	0.00
7.12	11.53	2.00	0.00	1.00	0.00	7.14	11.18	2.00	0.00	1.00	0.00
7.16	11.28	2.00	0.00	1.00	0.00	7.18	11.27	2.00	0.00	1.00	0.00
7.20	11.81	2.00	0.00	1.00	0.00	7.22	11.35	2.00	0.00	1.00	0.00
7.24	12.00	2.00	0.00	1.00	0.00	7.26	14.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	14.27	2.00	0.00	1.00	0.00	7.30	14.91	2.00	0.00	1.00	0.00
7.32	14.79	2.00	0.00	1.00	0.00	7.34	14.88	2.00	0.00	1.00	0.00
7.36	14.87	2.00	0.00	1.00	0.00	7.38	14.96	2.00	0.00	1.00	0.00
7.40	15.05	2.00	0.00	1.00	0.00	7.42	14.71	2.00	0.00	1.00	0.00
7.44	14.48	2.00	0.00	1.00	0.00	7.46	14.46	2.00	0.00	1.00	0.00
7.48	14.44	2.00	0.00	1.00	0.00	7.50	14.21	2.00	0.00	1.00	0.00
7.52	14.63	2.00	0.00	1.00	0.00	7.54	14.61	2.00	0.00	1.00	0.00
7.56	14.60	2.00	0.00	1.00	0.00	7.58	14.80	2.00	0.00	1.00	0.00
7.60	14.67	2.00	0.00	1.00	0.00	7.62	15.62	2.00	0.00	1.00	0.00
7.64	14.75	2.00	0.00	1.00	0.00	7.66	14.30	2.00	0.00	1.00	0.00
7.68	14.39	2.00	0.00	1.00	0.00	7.70	14.70	2.00	0.00	1.00	0.00
7.72	14.36	2.00	0.00	1.00	0.00	7.74	14.13	2.00	0.00	1.00	0.00
7.76	14.12	2.00	0.00	1.00	0.00	7.78	14.10	2.00	0.00	1.00	0.00
7.80	14.19	2.00	0.00	1.00	0.00	7.82	14.18	2.00	0.00	1.00	0.00
7.84	14.16	2.00	0.00	1.00	0.00	7.86	14.78	2.00	0.00	1.00	0.00
7.88	14.98	2.00	0.00	1.00	0.00	7.90	16.34	2.00	0.00	1.00	0.00
7.92	15.26	2.00	0.00	1.00	0.00	7.94	15.78	2.00	0.00	1.00	0.00
7.96	14.70	2.00	0.00	1.00	0.00	7.98	14.47	2.00	0.00	1.00	0.00
8.00	14.35	2.00	0.00	1.00	0.00	8.02	13.60	2.00	0.00	1.00	0.00
8.04	13.58	2.00	0.00	1.00	0.00	8.06	13.04	2.00	0.00	1.00	0.00
8.08	12.71	2.00	0.00	1.00	0.00	8.10	13.12	2.00	0.00	1.00	0.00
8.12	13.00	2.00	0.00	1.00	0.00	8.14	13.30	2.00	0.00	1.00	0.00
8.16	12.97	2.00	0.00	1.00	0.00	8.18	13.48	2.00	0.00	1.00	0.00
8.20	12.63	2.00	0.00	1.00	0.00	8.22	12.72	2.00	0.00	1.00	0.00
8.24	12.71	2.00	0.00	1.00	0.00	8.26	13.64	2.00	0.00	1.00	0.00
8.28	13.62	2.00	0.00	1.00	0.00	8.30	13.82	2.00	0.00	1.00	0.00
8.32	14.11	2.00	0.00	1.00	0.00	8.34	14.10	2.00	0.00	1.00	0.00
8.36	13.67	2.00	0.00	1.00	0.00	8.38	13.66	2.00	0.00	1.00	0.00
8.40	14.26	2.00	0.00	1.00	0.00	8.42	15.91	2.00	0.00	1.00	0.00
8.44	16.61	2.00	0.00	1.00	0.00	8.46	16.60	2.00	0.00	1.00	0.00
8.48	16.89	2.00	0.00	1.00	0.00	8.50	16.67	2.00	0.00	1.00	0.00
8.52	16.75	2.00	0.00	1.00	0.00	8.54	16.84	2.00	0.00	1.00	0.00
8.56	17.13	2.00	0.00	1.00	0.00	8.58	17.94	2.00	0.00	1.00	0.00
8.60	18.02	2.00	0.00	1.00	0.00	8.62	18.82	2.00	0.00	1.00	0.00
8.64	19.11	2.00	0.00	1.00	0.00	8.66	19.19	2.00	0.00	1.00	0.00
8.68	19.58	2.00	0.00	1.00	0.00	8.70	19.56	2.00	0.00	1.00	0.00
8.72	19.84	2.00	0.00	1.00	0.00	8.74	19.32	2.00	0.00	1.00	0.00
8.76	18.99	2.00	0.00	1.00	0.00	8.78	18.56	2.00	0.00	1.00	0.00
8.80	17.53	2.00	0.00	1.00	0.00	8.82	17.41	2.00	0.00	1.00	0.00
8.84	16.99	2.00	0.00	1.00	0.00	8.86	16.36	2.00	0.00	1.00	0.00
8.88	16.14	2.00	0.00	1.00	0.00	8.90	15.21	2.00	0.00	1.00	0.00
8.92	14.90	2.00	0.00	1.00	0.00	8.94	13.77	2.00	0.00	1.00	0.00
8.96	12.85	2.00	0.00	1.00	0.00	8.98	12.43	2.00	0.00	1.00	0.00
9.00	11.91	2.00	0.00	1.00	0.00	9.02	12.10	2.00	0.00	1.00	0.00
9.04	11.99	2.00	0.00	1.00	0.00	9.06	12.48	2.00	0.00	1.00	0.00
9.08	12.17	2.00	0.00	1.00	0.00	9.10	12.56	2.00	0.00	1.00	0.00
9.12	12.34	2.00	0.00	1.00	0.00	9.14	12.53	2.00	0.00	1.00	0.00
9.16	12.52	2.00	0.00	1.00	0.00	9.18	12.61	2.00	0.00	1.00	0.00
9.20	12.60	2.00	0.00	1.00	0.00	9.22	13.48	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	12.97	2.00	0.00	1.00	0.00	9.26	13.95	2.00	0.00	1.00	0.00
9.28	14.24	2.00	0.00	1.00	0.00	9.30	14.92	2.00	0.00	1.00	0.00
9.32	15.41	2.00	0.00	1.00	0.00	9.34	15.79	2.00	0.00	1.00	0.00
9.36	16.07	2.00	0.00	1.00	0.00	9.38	17.15	2.00	0.00	1.00	0.00
9.40	17.72	2.00	0.00	1.00	0.00	9.42	17.31	2.00	0.00	1.00	0.00
9.44	17.59	2.00	0.00	1.00	0.00	9.46	17.58	2.00	0.00	1.00	0.00
9.48	17.66	2.00	0.00	1.00	0.00	9.50	17.54	2.00	0.00	1.00	0.00
9.52	17.63	2.00	0.00	1.00	0.00	9.54	17.61	2.00	0.00	1.00	0.00
9.56	17.50	2.00	0.00	1.00	0.00	9.58	17.38	2.00	0.00	1.00	0.00
9.60	17.46	2.00	0.00	1.00	0.00	9.62	17.55	2.00	0.00	1.00	0.00
9.64	19.39	2.00	0.00	1.00	0.00	9.66	19.47	2.00	0.00	1.00	0.00
9.68	18.77	2.00	0.00	1.00	0.00	9.70	16.41	2.00	0.00	1.00	0.00
9.72	17.96	2.00	0.00	1.00	0.00	9.74	16.77	2.00	0.00	1.00	0.00
9.76	16.66	2.00	0.00	1.00	0.00	9.78	16.15	2.00	0.00	1.00	0.00
9.80	15.75	2.00	0.00	1.00	0.00	9.82	15.74	2.00	0.00	1.00	0.00
9.84	14.75	2.00	0.00	1.00	0.00	9.86	13.87	2.00	0.00	1.00	0.00
9.88	13.85	2.00	0.00	1.00	0.00	9.90	14.04	2.00	0.00	1.00	0.00
9.92	13.93	2.00	0.00	1.00	0.00	9.94	13.82	2.00	0.00	1.00	0.00
9.96	13.23	2.00	0.00	1.00	0.00	9.98	13.99	2.00	0.00	1.00	0.00
10.00	14.94	2.00	0.00	1.00	0.00	10.02	15.42	2.00	0.00	1.00	0.00
10.04	14.63	2.00	0.00	1.00	0.00	10.06	14.04	2.00	0.00	1.00	0.00
10.08	14.03	2.00	0.00	1.00	0.00	10.10	14.70	2.00	0.00	1.00	0.00
10.12	14.88	2.00	0.00	1.00	0.00	10.14	14.96	2.00	0.00	1.00	0.00
10.16	16.10	2.00	0.00	1.00	0.00	10.18	17.05	2.00	0.00	1.00	0.00
10.20	16.56	2.00	0.00	1.00	0.00	10.22	15.11	2.00	0.00	1.00	0.00
10.24	13.66	2.00	0.00	1.00	0.00	10.26	13.55	2.00	0.00	1.00	0.00
10.28	13.25	2.00	0.00	1.00	0.00	10.30	12.76	2.00	0.00	1.00	0.00
10.32	12.28	2.00	0.00	1.00	0.00	10.34	16.08	2.00	0.00	1.00	0.00
10.36	14.45	2.00	0.00	1.00	0.00	10.38	13.10	2.00	0.00	1.00	0.00
10.40	12.33	2.00	0.00	1.00	0.00	10.42	11.46	2.00	0.00	1.00	0.00
10.44	11.36	2.00	0.00	1.00	0.00	10.46	11.54	2.00	0.00	1.00	0.00
10.48	11.34	2.00	0.00	1.00	0.00	10.50	11.05	2.00	0.00	1.00	0.00
10.52	10.66	2.00	0.00	1.00	0.00	10.54	11.13	2.00	0.00	1.00	0.00
10.56	9.51	2.00	0.00	1.00	0.00	10.58	10.35	2.00	0.00	1.00	0.00
10.60	10.91	2.00	0.00	1.00	0.00	10.62	10.53	2.00	0.00	1.00	0.00
10.64	10.14	2.00	0.00	1.00	0.00	10.66	9.76	2.00	0.00	1.00	0.00
10.68	9.28	2.00	0.00	1.00	0.00	10.70	9.09	2.00	0.00	1.00	0.00
10.72	8.80	2.00	0.00	1.00	0.00	10.74	8.89	2.00	0.00	1.00	0.00
10.76	9.35	2.00	0.00	1.00	0.00	10.78	11.03	2.00	0.00	1.00	0.00
10.80	12.43	2.00	0.00	1.00	0.00	10.82	11.86	2.00	0.00	1.00	0.00
10.84	10.26	2.00	0.00	1.00	0.00	10.86	9.03	2.00	0.00	1.00	0.00
10.88	8.09	2.00	0.00	1.00	0.00	10.90	7.53	2.00	0.00	1.00	0.00
10.92	7.15	2.00	0.00	1.00	0.00	10.94	7.05	2.00	0.00	1.00	0.00
10.96	6.30	2.00	0.00	1.00	0.00	10.98	5.93	2.00	0.00	1.00	0.00
11.00	5.37	2.00	0.00	1.00	0.00	11.02	5.18	2.00	0.00	1.00	0.00
11.04	4.90	2.00	0.00	1.00	0.00	11.06	4.71	2.00	0.00	1.00	0.00
11.08	4.80	2.00	0.00	1.00	0.00	11.10	5.72	2.00	0.00	1.00	0.00
11.12	6.27	2.00	0.00	1.00	0.00	11.14	7.56	2.00	0.00	1.00	0.00
11.16	7.93	2.00	0.00	1.00	0.00	11.18	8.20	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	7.55	2.00	0.00	1.00	0.00	11.22	6.34	2.00	0.00	1.00	0.00
11.24	5.23	2.00	0.00	1.00	0.00	11.26	5.78	2.00	0.00	1.00	0.00
11.28	6.24	2.00	0.00	1.00	0.00	11.30	5.96	2.00	0.00	1.00	0.00
11.32	5.50	2.00	0.00	1.00	0.00	11.34	4.85	2.00	0.00	1.00	0.00
11.36	4.75	2.00	0.00	1.00	0.00	11.38	5.48	2.00	0.00	1.00	0.00
11.40	5.30	2.00	0.00	1.00	0.00	11.42	5.94	2.00	0.00	1.00	0.00
11.44	7.03	2.00	0.00	1.00	0.00	11.46	9.13	2.00	0.00	1.00	0.00
11.48	10.05	2.00	0.00	1.00	0.00	11.50	11.14	2.00	0.00	1.00	0.00
11.52	8.48	2.00	0.00	1.00	0.00	11.54	6.55	2.00	0.00	1.00	0.00
11.56	5.72	2.00	0.00	1.00	0.00	11.58	5.81	2.00	0.00	1.00	0.00
11.60	6.54	2.00	0.00	1.00	0.00	11.62	7.08	2.00	0.00	1.00	0.00
11.64	7.62	2.00	0.00	1.00	0.00	11.66	6.89	2.00	0.00	1.00	0.00
11.68	6.34	2.00	0.00	1.00	0.00	11.70	5.61	2.00	0.00	1.00	0.00
11.72	5.60	2.00	0.00	1.00	0.00	11.74	7.32	2.00	0.00	1.00	0.00
11.76	9.13	2.00	0.00	1.00	0.00	11.78	10.58	2.00	0.00	1.00	0.00
11.80	11.94	2.00	0.00	1.00	0.00	11.82	12.30	2.00	0.00	1.00	0.00
11.84	10.65	2.00	0.00	1.00	0.00	11.86	8.29	2.00	0.00	1.00	0.00
11.88	6.83	2.00	0.00	1.00	0.00	11.90	6.20	2.00	0.00	1.00	0.00
11.92	7.27	2.00	0.00	1.00	0.00	11.94	9.35	2.00	0.00	1.00	0.00
11.96	11.15	2.00	0.00	1.00	0.00	11.98	11.23	2.00	0.00	1.00	0.00
12.00	9.78	2.00	0.00	1.00	0.00	12.02	7.70	2.00	0.00	1.00	0.00
12.04	6.44	2.00	0.00	1.00	0.00	12.06	6.07	2.00	0.00	1.00	0.00
12.08	6.25	2.00	0.00	1.00	0.00	12.10	8.04	2.00	0.00	1.00	0.00
12.12	11.18	2.00	0.00	1.00	0.00	12.14	14.86	2.00	0.00	1.00	0.00
12.16	17.83	2.00	0.00	1.00	0.00	12.18	19.99	2.00	0.00	1.00	0.00
12.20	21.15	2.00	0.00	1.00	0.00	12.22	22.40	2.00	0.00	1.00	0.00
12.24	22.57	2.00	0.00	1.00	0.00	12.26	22.64	2.00	0.00	1.00	0.00
12.28	22.80	2.00	0.00	1.00	0.00	12.30	23.24	2.00	0.00	1.00	0.00
12.32	23.40	2.00	0.00	1.00	0.00	12.34	22.76	2.00	0.00	1.00	0.00
12.36	22.29	2.00	0.00	1.00	0.00	12.38	77.43	0.98	2.52	1.00	0.05
12.40	19.82	2.00	0.00	1.00	0.00	12.42	18.20	2.00	0.00	1.00	0.00
12.44	17.48	2.00	0.00	1.00	0.00	12.46	17.74	2.00	0.00	1.00	0.00
12.48	17.64	2.00	0.00	1.00	0.00	12.50	17.26	2.00	0.00	1.00	0.00
12.52	15.02	2.00	0.00	1.00	0.00	12.54	11.27	2.00	0.00	1.00	0.00
12.56	8.78	2.00	0.00	1.00	0.00	12.58	6.48	2.00	0.00	1.00	0.00
12.60	5.51	2.00	0.00	1.00	0.00	12.62	5.42	2.00	0.00	1.00	0.00
12.64	5.41	2.00	0.00	1.00	0.00	12.66	5.76	2.00	0.00	1.00	0.00
12.68	5.67	2.00	0.00	1.00	0.00	12.70	6.19	2.00	0.00	1.00	0.00
12.72	7.15	2.00	0.00	1.00	0.00	12.74	8.38	2.00	0.00	1.00	0.00
12.76	8.64	2.00	0.00	1.00	0.00	12.78	9.16	2.00	0.00	1.00	0.00
12.80	10.56	2.00	0.00	1.00	0.00	12.82	9.76	2.00	0.00	1.00	0.00
12.84	7.91	2.00	0.00	1.00	0.00	12.86	6.68	2.00	0.00	1.00	0.00
12.88	8.78	2.00	0.00	1.00	0.00	12.90	11.67	2.00	0.00	1.00	0.00
12.92	10.96	2.00	0.00	1.00	0.00	12.94	8.41	2.00	0.00	1.00	0.00
12.96	10.76	2.00	0.00	1.00	0.00	12.98	13.21	2.00	0.00	1.00	0.00
13.00	11.63	2.00	0.00	1.00	0.00	13.02	8.39	2.00	0.00	1.00	0.00
13.04	6.55	2.00	0.00	1.00	0.00	13.06	6.64	2.00	0.00	1.00	0.00
13.08	9.06	2.00	0.00	1.00	0.00	13.10	10.89	2.00	0.00	1.00	0.00
13.12	13.59	2.00	0.00	1.00	0.00	13.14	14.72	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	15.49	2.00	0.00	1.00	0.00	13.18	15.48	2.00	0.00	1.00	0.00
13.20	15.47	2.00	0.00	1.00	0.00	13.22	15.11	2.00	0.00	1.00	0.00
13.24	15.10	2.00	0.00	1.00	0.00	13.26	14.92	2.00	0.00	1.00	0.00
13.28	14.30	2.00	0.00	1.00	0.00	13.30	13.15	2.00	0.00	1.00	0.00
13.32	14.19	2.00	0.00	1.00	0.00	13.34	14.00	2.00	0.00	1.00	0.00
13.36	14.25	2.00	0.00	1.00	0.00	13.38	13.38	2.00	0.00	1.00	0.00
13.40	11.37	2.00	0.00	1.00	0.00	13.42	8.87	2.00	0.00	1.00	0.00
13.44	6.46	2.00	0.00	1.00	0.00	13.46	5.60	2.00	0.00	1.00	0.00
13.48	5.17	2.00	0.00	1.00	0.00	13.50	5.25	2.00	0.00	1.00	0.00
13.52	5.42	2.00	0.00	1.00	0.00	13.54	5.93	2.00	0.00	1.00	0.00
13.56	9.17	2.00	0.00	1.00	0.00	13.58	14.31	2.00	0.00	1.00	0.00
13.60	16.96	2.00	0.00	1.00	0.00	13.62	17.57	2.00	0.00	1.00	0.00
13.64	16.96	2.00	0.00	1.00	0.00	13.66	17.30	2.00	0.00	1.00	0.00
13.68	17.12	2.00	0.00	1.00	0.00	13.70	18.06	2.00	0.00	1.00	0.00
13.72	18.40	2.00	0.00	1.00	0.00	13.74	18.47	2.00	0.00	1.00	0.00
13.76	19.06	2.00	0.00	1.00	0.00	13.78	20.26	2.00	0.00	1.00	0.00
13.80	20.85	2.00	0.00	1.00	0.00	13.82	20.92	2.00	0.00	1.00	0.00
13.84	21.34	2.00	0.00	1.00	0.00	13.86	20.80	2.00	0.00	1.00	0.00
13.88	20.18	2.00	0.00	1.00	0.00	13.90	19.31	2.00	0.00	1.00	0.00
13.92	18.70	2.00	0.00	1.00	0.00	13.94	16.89	2.00	0.00	1.00	0.00
13.96	15.68	2.00	0.00	1.00	0.00	13.98	14.81	2.00	0.00	1.00	0.00
14.00	13.60	2.00	0.00	1.00	0.00	14.02	10.79	2.00	0.00	1.00	0.00
14.04	8.17	2.00	0.00	1.00	0.00	14.06	6.32	2.00	0.00	1.00	0.00
14.08	5.39	2.00	0.00	1.00	0.00	14.10	5.72	2.00	0.00	1.00	0.00
14.12	5.39	2.00	0.00	1.00	0.00	14.14	5.05	2.00	0.00	1.00	0.00
14.16	5.55	2.00	0.00	1.00	0.00	14.18	5.54	2.00	0.00	1.00	0.00
14.20	6.04	2.00	0.00	1.00	0.00	14.22	6.96	2.00	0.00	1.00	0.00
14.24	8.62	2.00	0.00	1.00	0.00	14.26	10.55	2.00	0.00	1.00	0.00
14.28	15.67	2.00	0.00	1.00	0.00	14.30	16.34	2.00	0.00	1.00	0.00
14.32	16.67	2.00	0.00	1.00	0.00	14.34	17.42	2.00	0.00	1.00	0.00
14.36	17.16	2.00	0.00	1.00	0.00	14.38	18.00	2.00	0.00	1.00	0.00
14.40	18.16	2.00	0.00	1.00	0.00	14.42	18.57	2.00	0.00	1.00	0.00
14.44	17.88	2.00	0.00	1.00	0.00	14.46	17.71	2.00	0.00	1.00	0.00
14.48	17.44	2.00	0.00	1.00	0.00	14.50	16.93	2.00	0.00	1.00	0.00
14.52	16.41	2.00	0.00	1.00	0.00	14.54	15.81	2.00	0.00	1.00	0.00
14.56	14.97	2.00	0.00	1.00	0.00	14.58	14.12	2.00	0.00	1.00	0.00
14.60	13.61	2.00	0.00	1.00	0.00	14.62	12.68	2.00	0.00	1.00	0.00
14.64	10.42	2.00	0.00	1.00	0.00	14.66	9.09	2.00	0.00	1.00	0.00
14.68	8.91	2.00	0.00	1.00	0.00	14.70	9.24	2.00	0.00	1.00	0.00
14.72	9.23	2.00	0.00	1.00	0.00	14.74	7.33	2.00	0.00	1.00	0.00
14.76	6.10	2.00	0.00	1.00	0.00	14.78	5.19	2.00	0.00	1.00	0.00
14.80	5.19	2.00	0.00	1.00	0.00	14.82	5.27	2.00	0.00	1.00	0.00
14.84	5.35	2.00	0.00	1.00	0.00	14.86	5.18	2.00	0.00	1.00	0.00
14.88	5.18	2.00	0.00	1.00	0.00	14.90	5.34	2.00	0.00	1.00	0.00
14.92	5.25	2.00	0.00	1.00	0.00	14.94	5.25	2.00	0.00	1.00	0.00
14.96	5.49	2.00	0.00	1.00	0.00	14.98	5.49	2.00	0.00	1.00	0.00
15.00	5.32	2.00	0.00	1.00	0.00	15.02	5.32	2.00	0.00	1.00	0.00
15.04	5.48	2.00	0.00	1.00	0.00	15.06	5.64	2.00	0.00	1.00	0.00
15.08	5.56	2.00	0.00	1.00	0.00	15.10	5.31	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	5.96	2.00	0.00	1.00	0.00	15.14	5.79	2.00	0.00	1.00	0.00
15.16	5.54	2.00	0.00	1.00	0.00	15.18	5.22	2.00	0.00	1.00	0.00
15.20	5.13	2.00	0.00	1.00	0.00	15.22	5.21	2.00	0.00	1.00	0.00
15.24	5.53	2.00	0.00	1.00	0.00	15.26	5.13	2.00	0.00	1.00	0.00
15.28	4.72	2.00	0.00	1.00	0.00	15.30	4.80	2.00	0.00	1.00	0.00
15.32	6.17	2.00	0.00	1.00	0.00	15.34	7.54	2.00	0.00	1.00	0.00
15.36	9.81	2.00	0.00	1.00	0.00	15.38	13.89	2.00	0.00	1.00	0.00
15.40	17.08	2.00	0.00	1.00	0.00	15.42	18.15	2.00	0.00	1.00	0.00
15.44	19.54	2.00	0.00	1.00	0.00	15.46	20.85	2.00	0.00	1.00	0.00
15.48	21.51	2.00	0.00	1.00	0.00	15.50	21.42	2.00	0.00	1.00	0.00
15.52	20.91	2.00	0.00	1.00	0.00	15.54	18.59	2.00	0.00	1.00	0.00
15.56	15.70	2.00	0.00	1.00	0.00	15.58	15.78	2.00	0.00	1.00	0.00
15.60	20.29	2.00	0.00	1.00	0.00	15.62	24.66	2.00	0.00	1.00	0.00
15.64	26.39	2.00	0.00	1.00	0.00	15.66	27.03	2.00	0.00	1.00	0.00
15.68	27.09	2.00	0.00	1.00	0.00	15.70	85.57	1.14	0.60	1.00	0.01
15.72	84.61	1.13	0.63	1.00	0.01	15.74	24.79	2.00	0.00	1.00	0.00
15.76	23.79	2.00	0.00	1.00	0.00	15.78	23.29	2.00	0.00	1.00	0.00
15.80	22.79	2.00	0.00	1.00	0.00	15.82	22.78	2.00	0.00	1.00	0.00
15.84	22.69	2.00	0.00	1.00	0.00	15.86	23.50	2.00	0.00	1.00	0.00
15.88	24.31	2.00	0.00	1.00	0.00	15.90	24.54	2.00	0.00	1.00	0.00
15.92	24.60	2.00	0.00	1.00	0.00	15.94	23.84	2.00	0.00	1.00	0.00
15.96	23.98	2.00	0.00	1.00	0.00	15.98	24.46	2.00	0.00	1.00	0.00
16.00	24.78	2.00	0.00	1.00	0.00	16.02	24.11	2.00	0.00	1.00	0.00
16.04	23.51	2.00	0.00	1.00	0.00	16.06	22.35	2.00	0.00	1.00	0.00
16.08	21.84	2.00	0.00	1.00	0.00	16.10	22.24	2.00	0.00	1.00	0.00
16.12	23.05	2.00	0.00	1.00	0.00	16.14	24.44	2.00	0.00	1.00	0.00
16.16	25.89	2.00	0.00	1.00	0.00	16.18	26.45	2.00	0.00	1.00	0.00
16.20	25.28	2.00	0.00	1.00	0.00	16.22	20.36	2.00	0.00	1.00	0.00
16.24	15.03	2.00	0.00	1.00	0.00	16.26	10.87	2.00	0.00	1.00	0.00
16.28	7.70	2.00	0.00	1.00	0.00	16.30	5.81	2.00	0.00	1.00	0.00
16.32	5.34	2.00	0.00	1.00	0.00	16.34	4.95	2.00	0.00	1.00	0.00
16.36	5.26	2.00	0.00	1.00	0.00	16.38	5.25	2.00	0.00	1.00	0.00
16.40	9.64	2.00	0.00	1.00	0.00	16.42	10.03	2.00	0.00	1.00	0.00
16.44	10.03	2.00	0.00	1.00	0.00	16.46	6.49	2.00	0.00	1.00	0.00
16.48	5.63	2.00	0.00	1.00	0.00	16.50	5.47	2.00	0.00	1.00	0.00
16.52	5.23	2.00	0.00	1.00	0.00	16.54	5.46	2.00	0.00	1.00	0.00
16.56	6.16	2.00	0.00	1.00	0.00	16.58	9.60	2.00	0.00	1.00	0.00
16.60	14.16	2.00	0.00	1.00	0.00	16.62	17.24	2.00	0.00	1.00	0.00
16.64	18.45	2.00	0.00	1.00	0.00	16.66	18.69	2.00	0.00	1.00	0.00
16.68	21.89	2.00	0.00	1.00	0.00	16.70	21.56	2.00	0.00	1.00	0.00
16.72	18.99	2.00	0.00	1.00	0.00	16.74	14.04	2.00	0.00	1.00	0.00
16.76	10.25	2.00	0.00	1.00	0.00	16.78	6.58	2.00	0.00	1.00	0.00
16.80	5.65	2.00	0.00	1.00	0.00	16.82	5.73	2.00	0.00	1.00	0.00
16.84	8.98	2.00	0.00	1.00	0.00	16.86	14.46	2.00	0.00	1.00	0.00
16.88	14.53	2.00	0.00	1.00	0.00	16.90	11.54	2.00	0.00	1.00	0.00
16.92	9.82	2.00	0.00	1.00	0.00	16.94	13.18	2.00	0.00	1.00	0.00
16.96	15.76	2.00	0.00	1.00	0.00	16.98	17.49	2.00	0.00	1.00	0.00
17.00	18.44	2.00	0.00	1.00	0.00	17.02	20.50	2.00	0.00	1.00	0.00
17.04	21.21	2.00	0.00	1.00	0.00	17.06	20.40	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	19.03	2.00	0.00	1.00	0.00	17.10	19.18	2.00	0.00	1.00	0.00
17.12	20.04	2.00	0.00	1.00	0.00	17.14	20.67	2.00	0.00	1.00	0.00
17.16	21.14	2.00	0.00	1.00	0.00	17.18	20.49	2.00	0.00	1.00	0.00
17.20	18.58	2.00	0.00	1.00	0.00	17.22	16.28	2.00	0.00	1.00	0.00
17.24	13.92	2.00	0.00	1.00	0.00	17.26	11.88	2.00	0.00	1.00	0.00
17.28	10.17	2.00	0.00	1.00	0.00	17.30	8.93	2.00	0.00	1.00	0.00
17.32	9.54	2.00	0.00	1.00	0.00	17.34	10.54	2.00	0.00	1.00	0.00
17.36	14.11	2.00	0.00	1.00	0.00	17.38	13.79	2.00	0.00	1.00	0.00
17.40	13.55	2.00	0.00	1.00	0.00	17.42	13.85	2.00	0.00	1.00	0.00
17.44	15.01	2.00	0.00	1.00	0.00	17.46	17.12	2.00	0.00	1.00	0.00
17.48	19.38	2.00	0.00	1.00	0.00	17.50	20.71	2.00	0.00	1.00	0.00
17.52	20.46	2.00	0.00	1.00	0.00	17.54	19.18	2.00	0.00	1.00	0.00
17.56	17.99	2.00	0.00	1.00	0.00	17.58	17.67	2.00	0.00	1.00	0.00
17.60	19.06	2.00	0.00	1.00	0.00	17.62	20.39	2.00	0.00	1.00	0.00
17.64	20.62	2.00	0.00	1.00	0.00	17.66	21.15	2.00	0.00	1.00	0.00
17.68	23.81	2.00	0.00	1.00	0.00	17.70	25.77	2.00	0.00	1.00	0.00
17.72	88.95	1.25	0.40	1.00	0.01	17.74	93.52	1.32	0.34	1.00	0.01
17.76	98.84	1.41	0.28	1.00	0.01	17.78	102.50	1.47	0.23	1.00	0.00
17.80	102.55	1.48	0.23	1.00	0.00	17.82	98.97	1.41	0.27	1.00	0.01
17.84	86.98	1.23	0.42	1.00	0.01	17.86	76.69	1.11	0.64	1.00	0.01
17.88	67.63	1.02	1.46	1.00	0.03	17.90	64.04	0.99	2.65	1.00	0.05
17.92	58.61	0.94	5.34	1.00	0.11	17.94	55.13	0.92	5.64	1.00	0.11
17.96	59.50	0.95	5.27	1.00	0.11	17.98	65.77	1.01	1.86	1.00	0.04
18.00	73.18	1.08	0.78	1.00	0.02	18.02	74.40	1.09	0.71	1.00	0.01
18.04	71.59	1.06	0.89	1.00	0.02	18.06	68.16	1.03	1.28	1.00	0.03
18.08	65.32	1.01	1.92	1.00	0.04	18.10	67.90	1.03	1.31	1.00	0.03
18.12	71.89	1.07	0.85	1.00	0.02	18.14	81.21	1.17	0.49	1.00	0.01
18.16	83.85	1.20	0.44	1.00	0.01	18.18	80.37	1.16	0.51	1.00	0.01
18.20	78.40	1.14	0.55	1.00	0.01	18.22	86.62	1.24	0.40	1.00	0.01
18.24	88.11	1.26	0.38	1.00	0.01	18.26	88.34	1.26	0.38	1.00	0.01
18.28	31.97	2.00	0.00	1.00	0.00	18.30	31.17	2.00	0.00	1.00	0.00
18.32	23.10	2.00	0.00	1.00	0.00	18.34	23.88	2.00	0.00	1.00	0.00
18.36	93.65	1.34	0.31	1.00	0.01	18.38	100.08	1.45	0.24	1.00	0.00
18.40	102.54	1.50	0.22	1.00	0.00	18.42	99.00	1.43	0.25	1.00	0.01
18.44	98.01	1.42	0.26	1.00	0.01	18.46	96.04	1.39	0.28	1.00	0.01
18.48	83.95	1.21	0.42	1.00	0.01	18.50	65.39	1.02	1.58	1.00	0.03
18.52	65.46	1.02	1.56	1.00	0.03	18.54	64.61	1.01	1.75	1.00	0.04
18.56	65.21	1.02	1.59	1.00	0.03	18.58	63.19	1.00	2.18	1.00	0.04
18.60	54.68	0.93	5.68	1.00	0.11	18.62	53.36	0.92	5.80	1.00	0.12
18.64	54.16	0.93	5.73	1.00	0.11	18.66	59.86	0.97	4.43	1.00	0.09
18.68	86.07	1.25	0.38	1.00	0.01	18.70	99.02	1.44	0.24	1.00	0.00
18.72	105.44	1.57	0.18	1.00	0.00	18.74	107.51	1.62	0.15	1.00	0.00
18.76	109.63	1.67	0.13	1.00	0.00	18.78	108.77	1.65	0.14	1.00	0.00
18.80	108.14	1.63	0.14	1.00	0.00	18.82	106.62	1.60	0.16	1.00	0.00
18.84	105.69	1.58	0.17	1.00	0.00	18.86	105.62	1.58	0.17	1.00	0.00
18.88	107.00	1.61	0.15	1.00	0.00	18.90	110.71	1.70	0.11	1.00	0.00
18.92	116.81	1.87	0.05	1.00	0.00	18.94	118.40	1.92	0.03	1.00	0.00
18.96	112.07	1.74	0.10	1.00	0.00	18.98	98.79	1.45	0.24	1.00	0.00
19.00	25.72	2.00	0.00	1.00	0.00	19.02	23.22	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	84.84	1.24	0.38	1.00	0.01	19.06	88.80	1.30	0.33	1.00	0.01
19.08	28.16	2.00	0.00	1.00	0.00	19.10	21.73	2.00	0.00	1.00	0.00
19.12	16.43	2.00	0.00	1.00	0.00	19.14	12.68	2.00	0.00	1.00	0.00
19.16	12.97	2.00	0.00	1.00	0.00	19.18	19.11	2.00	0.00	1.00	0.00
19.20	23.95	2.00	0.00	1.00	0.00	19.22	27.05	2.00	0.00	1.00	0.00
19.24	23.54	2.00	0.00	1.00	0.00	19.26	15.62	2.00	0.00	1.00	0.00
19.28	11.89	2.00	0.00	1.00	0.00	19.30	10.78	2.00	0.00	1.00	0.00
19.32	9.82	2.00	0.00	1.00	0.00	19.34	13.13	2.00	0.00	1.00	0.00
19.36	17.21	2.00	0.00	1.00	0.00	19.38	20.04	2.00	0.00	1.00	0.00
19.40	24.12	2.00	0.00	1.00	0.00	19.42	27.94	2.00	0.00	1.00	0.00
19.44	90.32	1.33	0.30	1.00	0.01	19.46	91.65	1.35	0.29	1.00	0.01
19.48	93.25	1.38	0.27	1.00	0.01	19.50	94.36	1.40	0.26	1.00	0.01
19.52	95.69	1.42	0.25	1.00	0.00	19.54	96.24	1.43	0.24	1.00	0.00
19.56	96.17	1.43	0.24	1.00	0.00	19.58	95.31	1.42	0.25	1.00	0.01
19.60	93.41	1.39	0.27	1.00	0.01	19.62	91.15	1.35	0.29	1.00	0.01
19.64	88.07	1.31	0.31	1.00	0.01	19.66	84.77	1.26	0.35	1.00	0.01
19.68	85.27	1.27	0.34	1.00	0.01	19.70	87.87	1.31	0.31	1.00	0.01
19.72	96.16	1.44	0.24	1.00	0.00	19.74	96.78	1.45	0.23	1.00	0.00
19.76	98.02	1.47	0.22	1.00	0.00	19.78	97.73	1.47	0.22	1.00	0.00
19.80	91.84	1.37	0.27	1.00	0.01	19.82	87.20	1.30	0.31	1.00	0.01
19.84	81.10	1.22	0.38	1.00	0.01	19.86	78.00	1.19	0.42	1.00	0.01
19.88	82.38	1.24	0.36	1.00	0.01	19.90	81.35	1.23	0.37	1.00	0.01
19.92	67.77	1.08	0.77	1.00	0.02	19.94	57.42	0.99	3.04	1.00	0.06
19.96	62.96	1.04	1.27	1.00	0.03	19.98	77.42	1.19	0.42	1.00	0.01
20.00	82.77	1.25	0.35	1.00	0.01						

Total estimated settlement: 1.76

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

Dott. Geol. Stefania Asti
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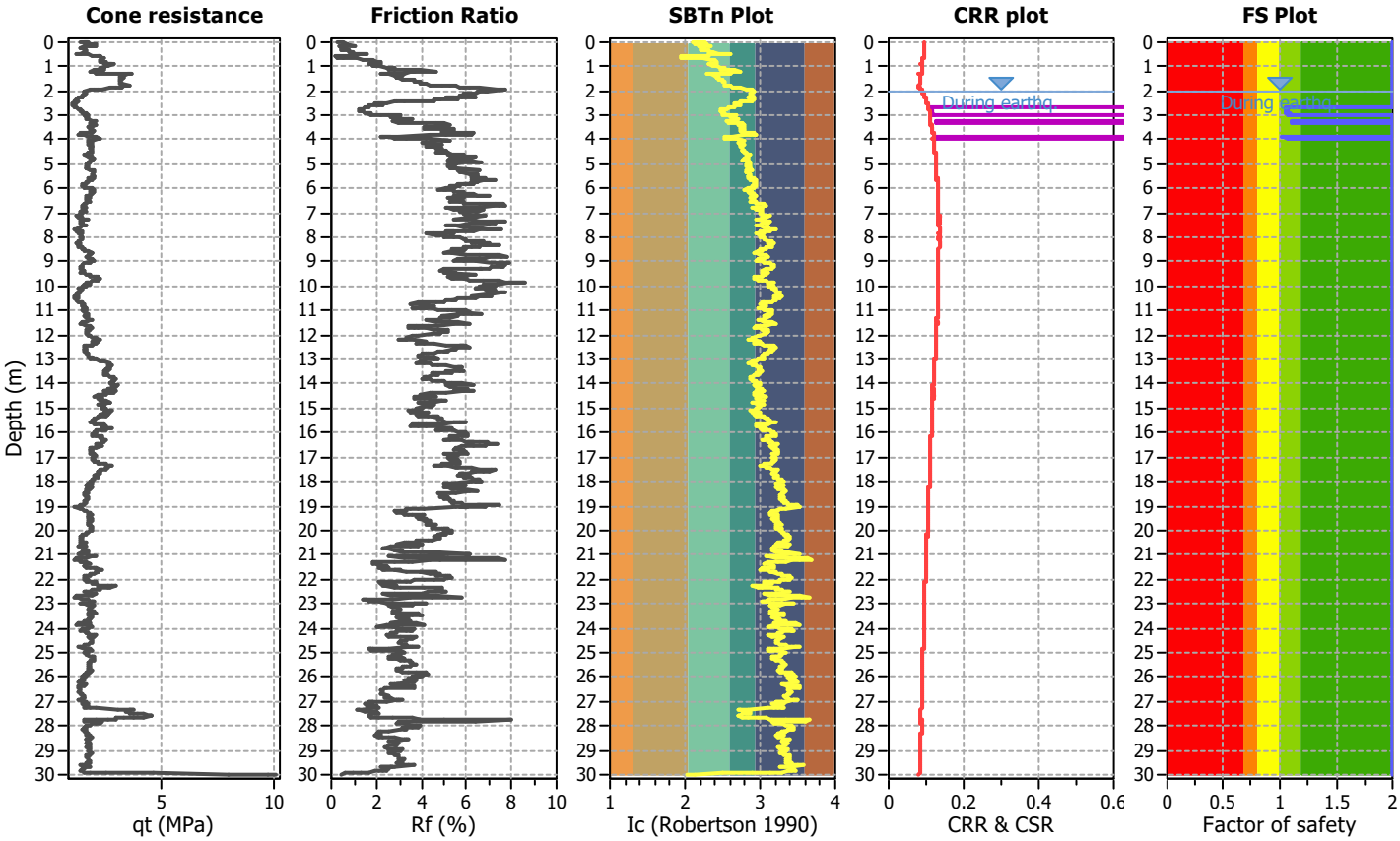
LIQUEFACTION ANALYSIS REPORT

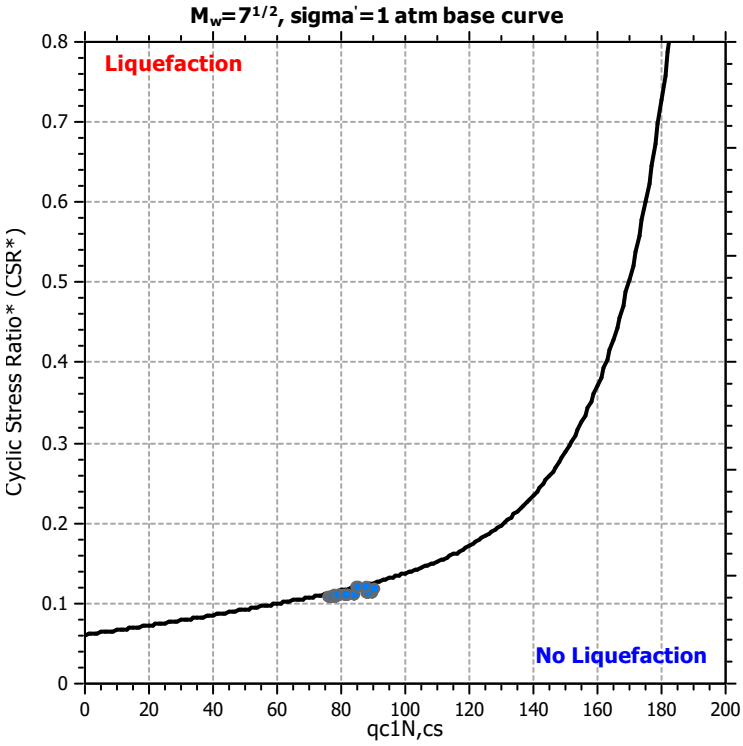
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

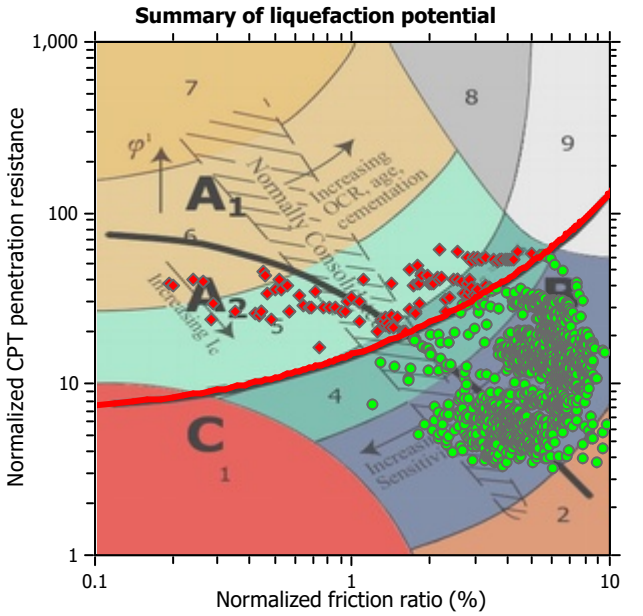
CPT file : P264

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

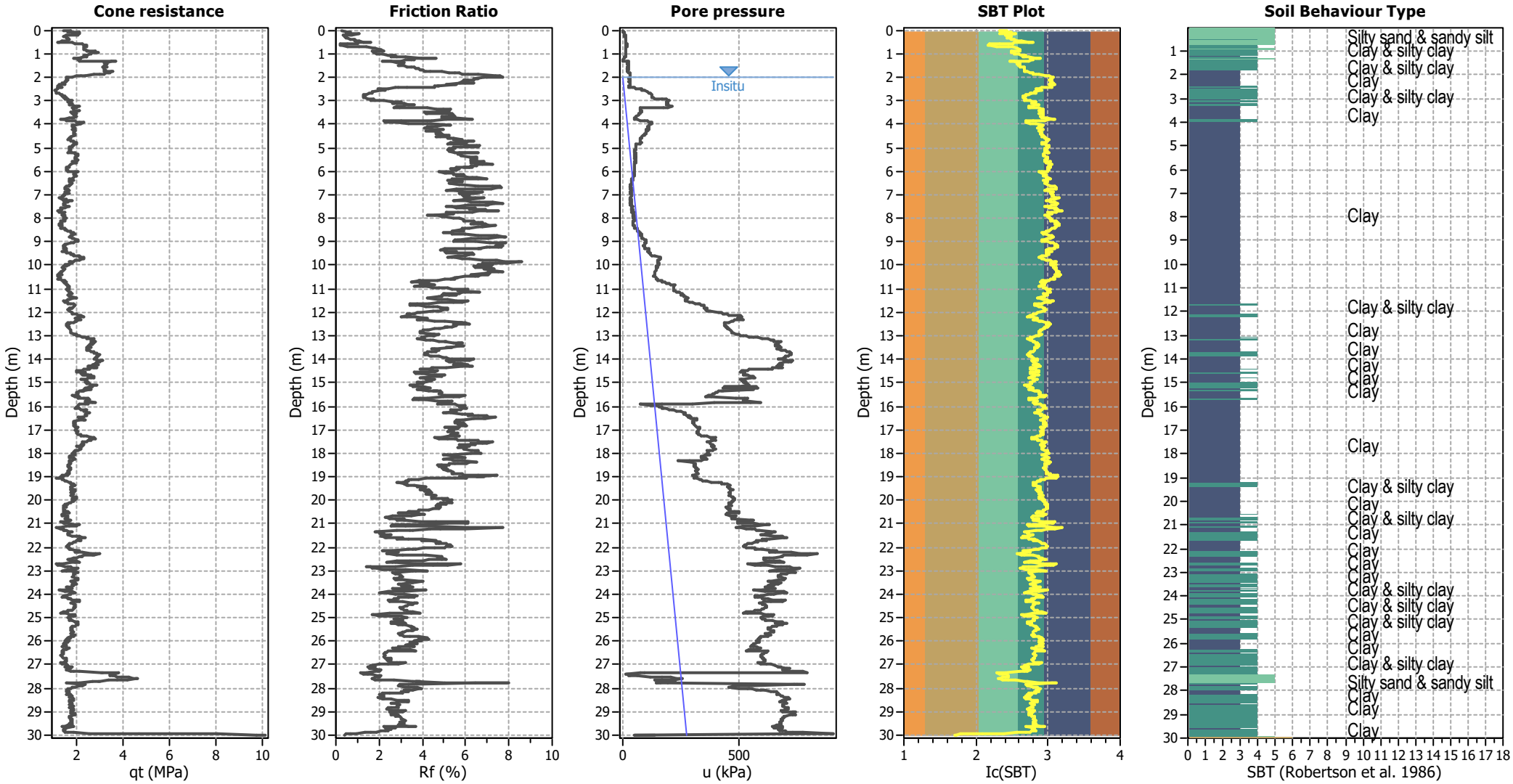






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



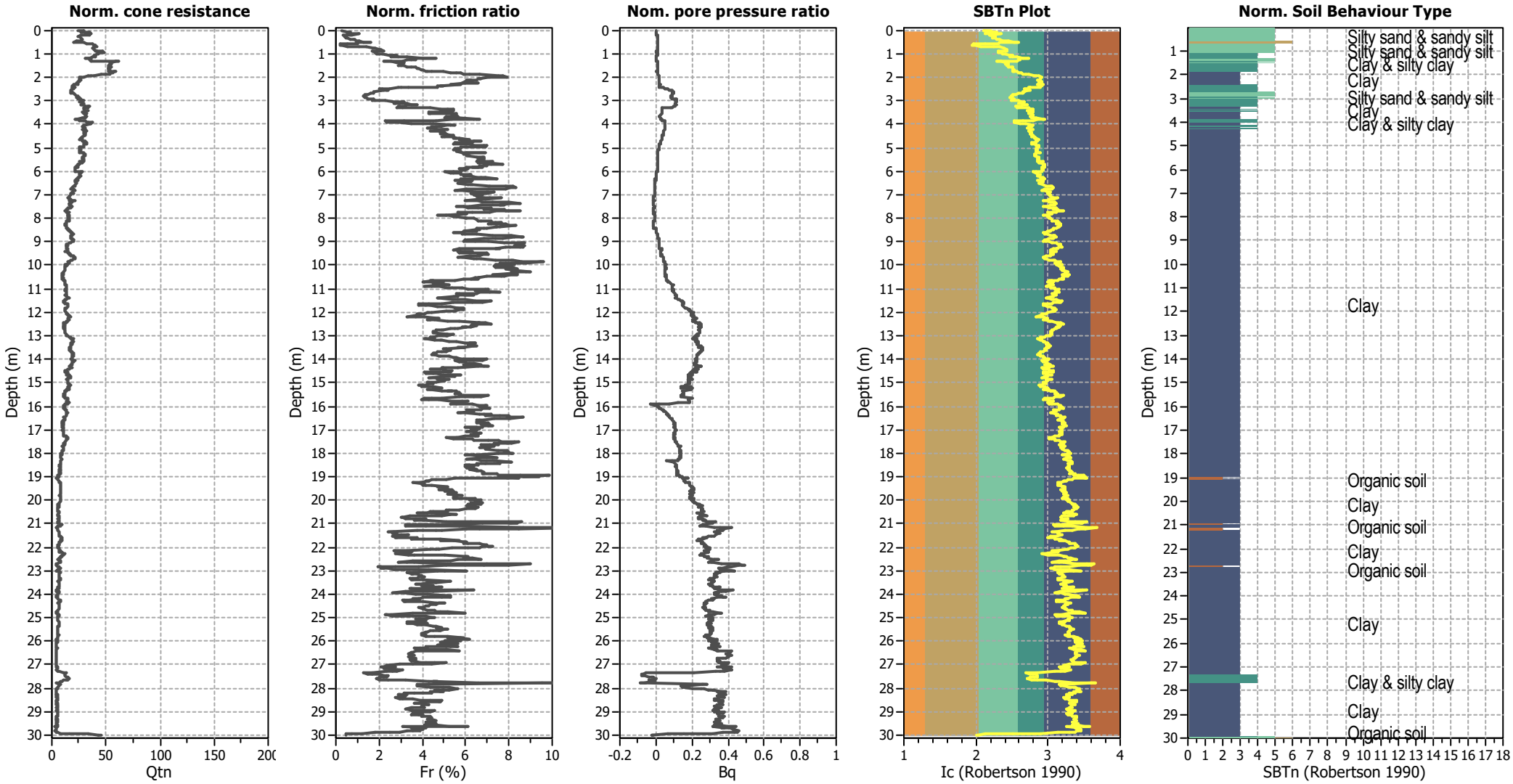
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



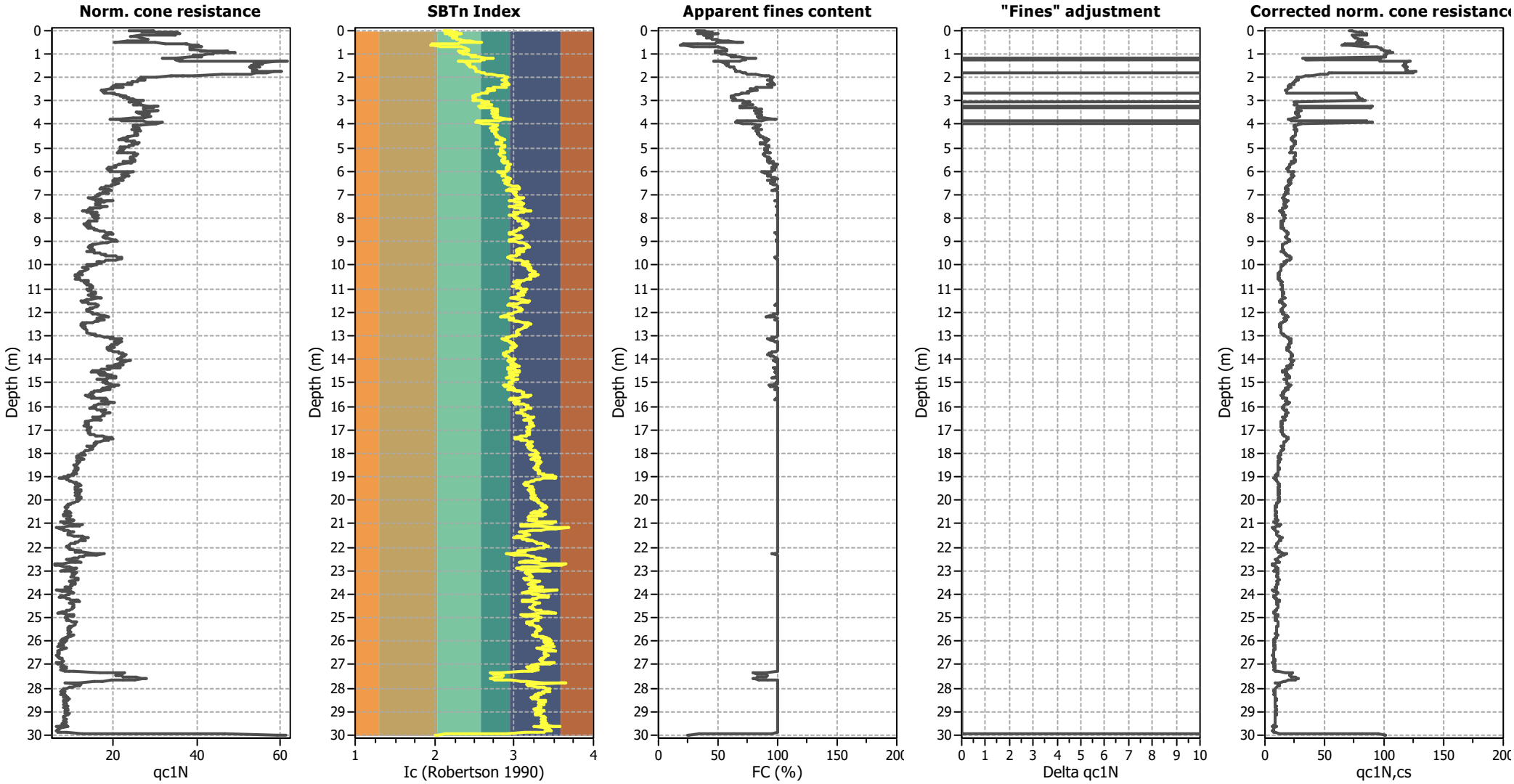
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

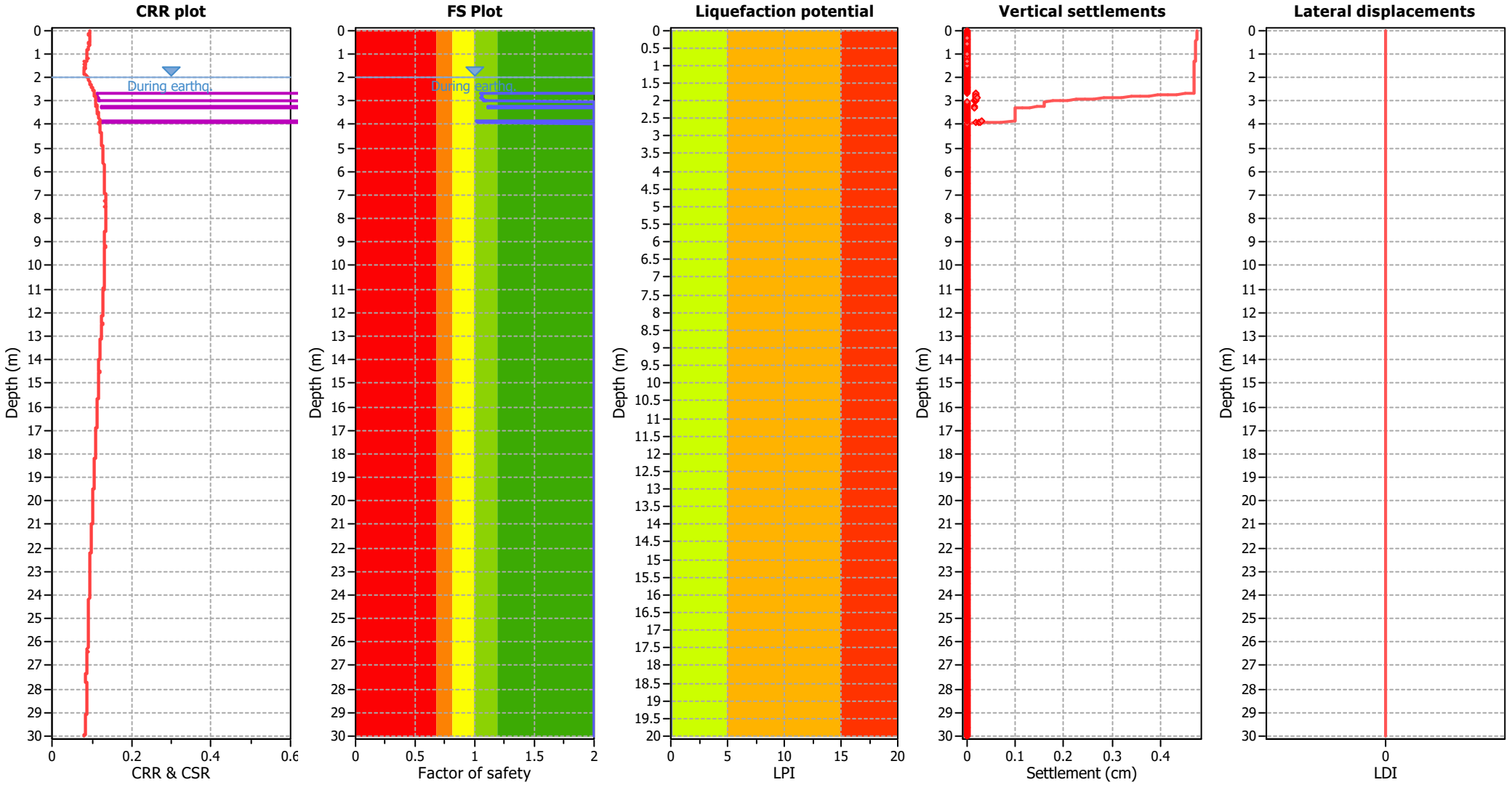
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

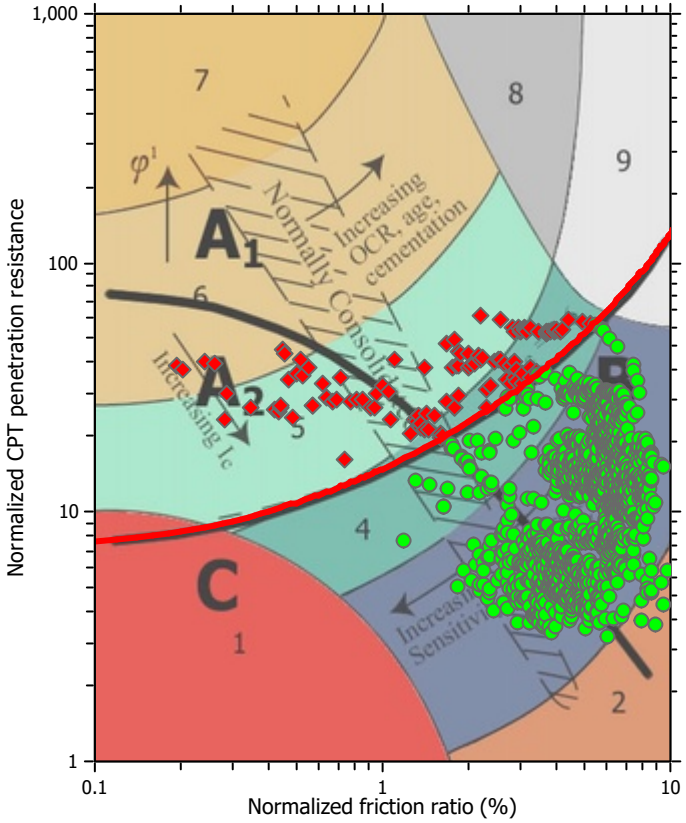
F.S. color scheme

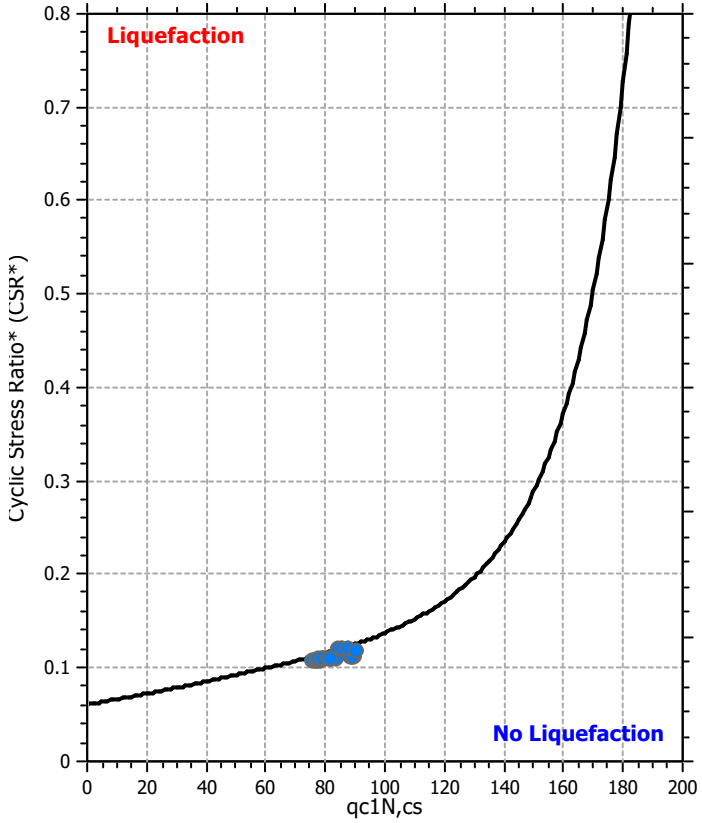
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

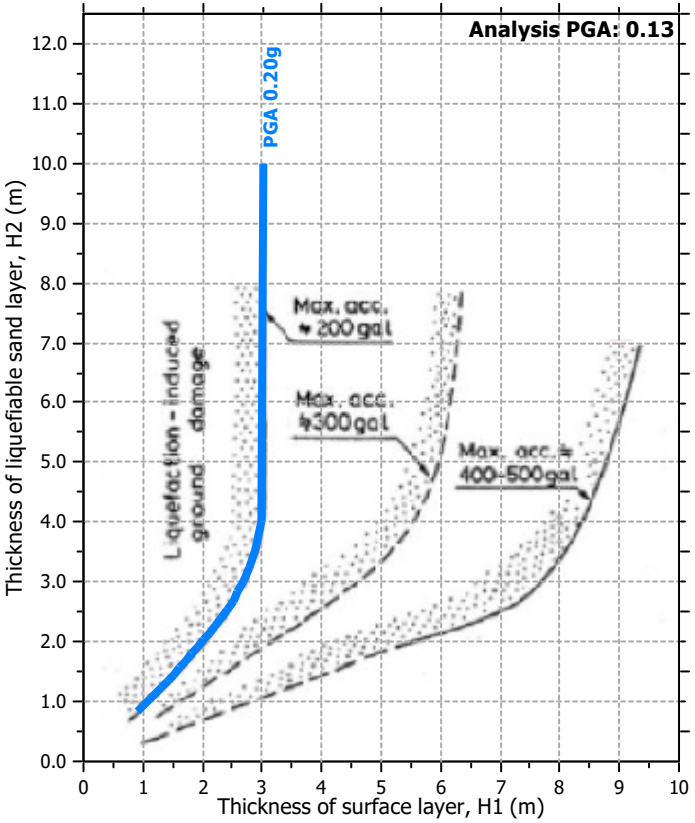
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



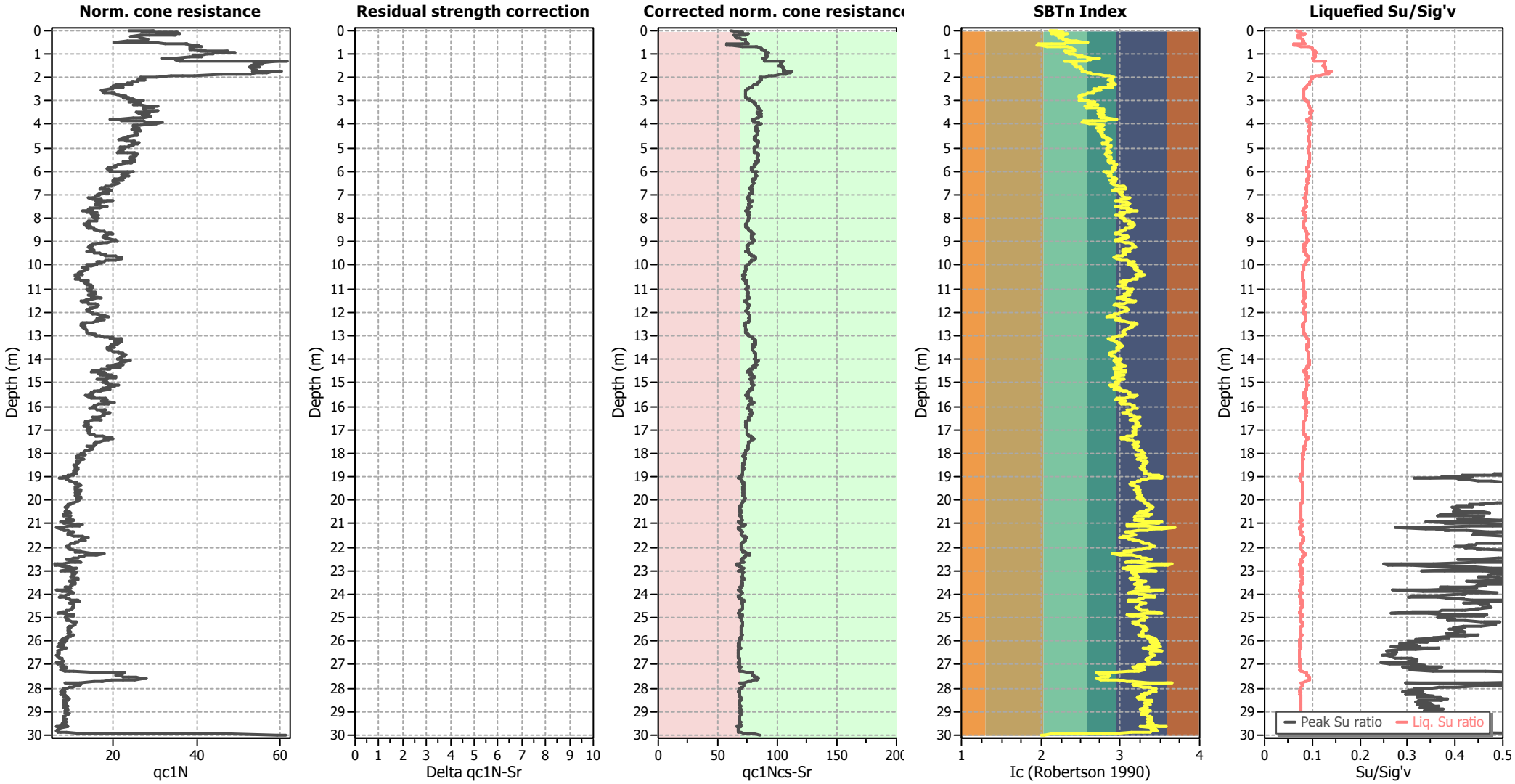




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	1.07	0.00	0.00	0.02	0.00
2.70	1.05	0.00	0.00	0.02	0.00	2.72	1.06	0.00	0.00	0.02	0.00
2.74	1.06	0.00	0.00	0.02	0.00	2.76	1.06	0.00	0.00	0.02	0.00
2.78	1.06	0.00	0.00	0.02	0.00	2.80	1.06	0.00	0.00	0.02	0.00
2.82	1.06	0.00	0.00	0.02	0.00	2.84	1.05	0.00	0.00	0.02	0.00
2.86	1.06	0.00	0.00	0.02	0.00	2.88	1.06	0.00	0.00	0.02	0.00
2.90	1.06	0.00	0.00	0.02	0.00	2.92	1.08	0.00	0.00	0.02	0.00
2.94	1.07	0.00	0.00	0.02	0.00	2.96	1.08	0.00	0.00	0.02	0.00
2.98	1.10	0.00	0.00	0.02	0.00	3.00	1.07	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	1.13	0.00	0.00	0.02	0.00
3.26	1.12	0.00	0.00	0.02	0.00	3.28	1.11	0.00	0.00	0.02	0.00
3.30	1.11	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	1.01	0.00	0.00	0.02	0.00
3.90	1.02	0.00	0.00	0.02	0.00	3.92	1.04	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	1.07	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

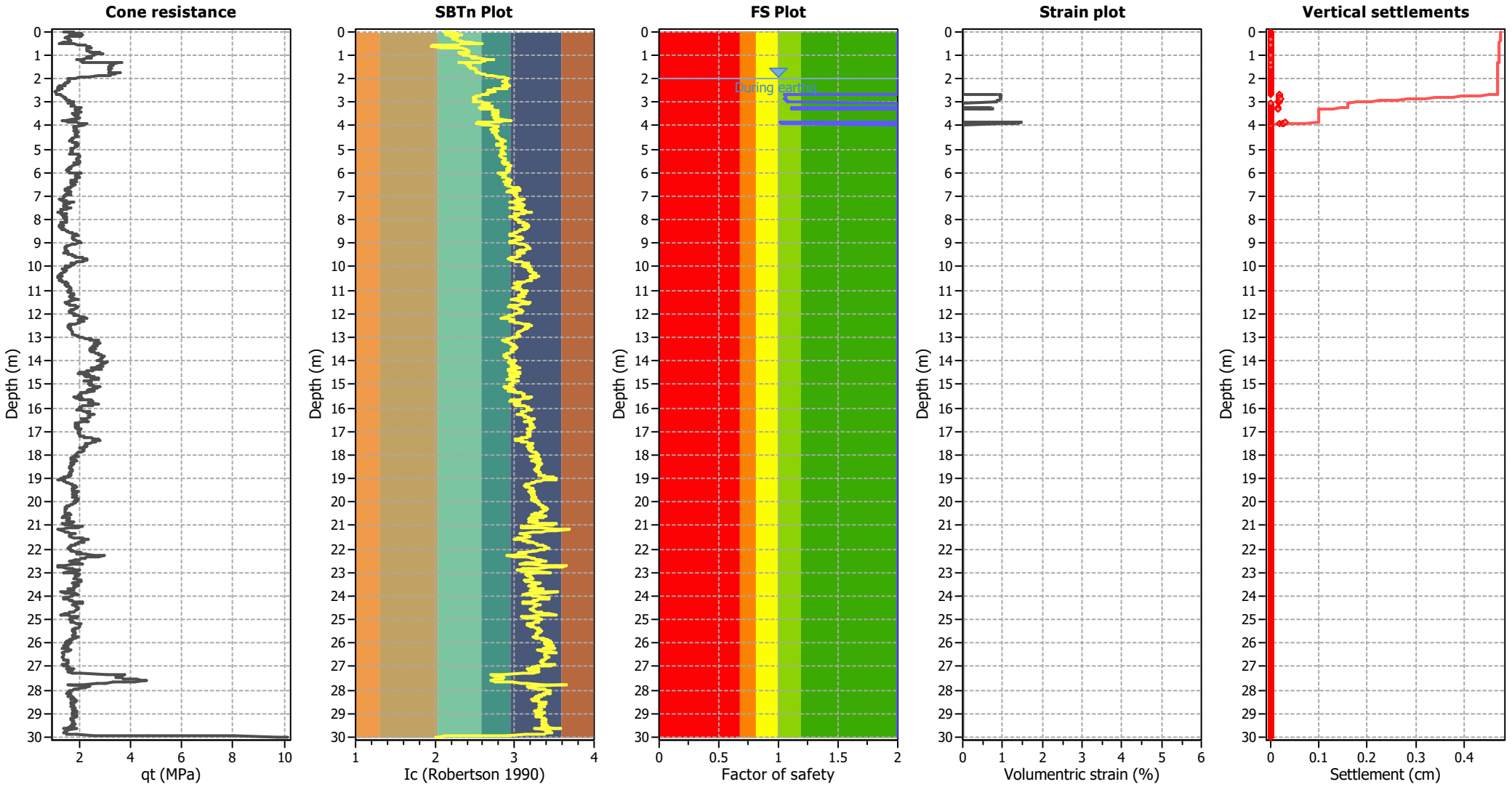
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.20	23.67	1.00	23.67	5	20616	0.10	0.000	0.00	3.58	0.00	0.000
0.04	2.11	29.87	1.00	29.87	6	23089	0.10	0.000	0.00	3.58	0.00	0.000
0.06	2.26	26.85	1.79	48.11	11	25265	0.09	0.000	0.00	3.58	0.00	0.000
0.08	2.28	27.84	1.86	51.68	12	26836	0.09	0.000	0.00	3.58	0.00	0.000
0.10	2.14	35.23	1.49	52.45	12	28477	0.09	0.000	0.00	3.58	0.00	0.000
0.12	2.13	35.90	1.46	52.37	11	28405	0.09	0.001	0.00	3.58	0.00	0.000
0.14	2.20	33.03	1.61	53.18	12	28671	0.09	0.001	0.00	3.58	0.00	0.000
0.16	2.34	30.52	2.10	64.07	15	31812	0.09	0.001	0.00	3.58	0.00	0.000
0.18	2.21	34.88	1.63	56.91	13	30609	0.09	0.001	0.00	3.58	0.00	0.000
0.20	2.26	28.70	1.78	51.16	12	26910	0.09	0.001	0.00	3.58	0.00	0.000
0.22	2.18	26.51	1.00	26.51	6	22619	0.10	0.001	0.01	3.58	0.00	0.000
0.24	2.28	24.15	1.00	24.15	6	23102	0.09	0.002	0.01	3.58	0.00	0.000
0.26	2.24	25.49	1.00	25.49	6	23202	0.09	0.002	0.01	3.58	0.00	0.000
0.28	2.23	25.65	1.00	25.65	6	23079	0.09	0.002	0.01	3.58	0.00	0.000
0.30	2.22	26.49	1.00	26.49	6	23697	0.09	0.002	0.01	3.58	0.00	0.000
0.32	2.22	26.65	1.00	26.65	6	23817	0.09	0.002	0.01	3.58	0.00	0.000
0.34	2.26	26.82	1.79	48.06	11	25239	0.09	0.002	0.00	3.58	0.00	0.000
0.36	2.28	28.33	1.85	52.32	12	27217	0.09	0.002	0.00	3.58	0.00	0.000
0.38	2.31	27.82	1.96	54.57	13	27803	0.09	0.002	0.00	3.58	0.00	0.000
0.40	2.31	28.32	1.98	55.95	13	28431	0.09	0.002	0.00	3.58	0.00	0.000
0.42	2.32	28.32	2.02	57.09	14	28794	0.09	0.002	0.00	3.58	0.00	0.000
0.44	2.37	26.46	2.22	58.65	14	28493	0.09	0.002	0.00	3.58	0.00	0.000
0.46	2.36	26.46	2.19	57.81	14	28250	0.09	0.002	0.00	3.58	0.00	0.000
0.48	2.44	23.43	2.61	61.16	15	27701	0.09	0.003	0.00	3.58	0.00	0.000
0.50	2.53	20.56	3.18	65.40	17	27107	0.09	0.003	0.00	3.58	0.00	0.000
0.52	2.59	20.22	3.70	74.76	20	28950	0.09	0.003	0.00	3.58	0.00	0.000
0.54	2.32	30.15	2.02	60.96	14	30709	0.09	0.003	0.00	3.58	0.00	0.000
0.56	2.31	32.48	1.95	63.30	15	32326	0.09	0.003	0.00	3.58	0.00	0.000
0.58	2.13	37.69	1.46	55.02	12	29843	0.09	0.003	0.01	3.58	0.00	0.000
0.60	1.97	37.35	1.00	37.35	8	24237	0.10	0.004	0.01	3.58	0.01	0.000
0.62	1.95	39.03	1.00	39.03	8	24586	0.10	0.004	0.01	3.58	0.01	0.000
0.64	1.96	40.36	1.00	40.36	8	25876	0.10	0.004	0.01	3.58	0.01	0.000
0.66	1.98	39.34	1.00	39.34	8	25923	0.10	0.004	0.01	3.58	0.01	0.000
0.68	2.08	41.20	1.39	57.13	12	30658	0.09	0.003	0.01	3.58	0.00	0.000
0.70	2.25	40.67	1.75	71.22	16	37654	0.09	0.003	0.00	3.58	0.00	0.000
0.72	2.33	38.30	2.05	78.42	19	39321	0.09	0.003	0.00	3.58	0.00	0.000
0.74	2.39	38.13	2.31	87.97	22	42032	0.09	0.003	0.00	3.58	0.00	0.000
0.76	2.39	38.80	2.33	90.30	22	42987	0.09	0.003	0.00	3.58	0.00	0.000
0.78	2.39	38.96	2.34	91.31	22	43338	0.09	0.003	0.00	3.58	0.00	0.000
0.80	2.42	38.28	2.50	95.73	24	44186	0.09	0.003	0.00	3.58	0.00	0.000
0.82	2.42	38.61	2.50	96.70	24	44605	0.09	0.003	0.00	3.58	0.00	0.000
0.84	2.43	39.11	2.53	98.77	25	45392	0.09	0.003	0.00	3.58	0.00	0.000
0.86	2.42	41.96	2.49	104.37	26	48286	0.09	0.003	0.00	3.58	0.00	0.000
0.88	2.43	40.60	2.53	102.71	26	47165	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.30	47.15	1.94	91.44	22	46781	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.36	43.95	2.16	94.78	23	46563	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.31	48.99	1.96	96.06	23	48950	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.36	43.61	2.17	94.61	23	46366	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.36	43.60	2.18	95.12	23	46512	0.09	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.38	43.60	2.25	98.31	24	47425	0.09	0.003	0.00	3.58	0.00	0.000
1.02	2.41	42.25	2.43	102.63	25	47969	0.09	0.003	0.00	3.58	0.00	0.000
1.04	2.46	40.57	2.72	110.54	28	49123	0.09	0.003	0.00	3.58	0.00	0.000
1.06	2.51	38.69	3.08	119.13	31	50108	0.09	0.003	0.00	3.58	0.00	0.000
1.08	2.49	39.69	2.92	115.71	30	49885	0.09	0.003	0.00	3.58	0.00	0.000
1.10	2.47	40.86	2.77	113.27	29	49952	0.09	0.003	0.00	3.58	0.00	0.000
1.12	2.47	40.85	2.79	114.07	29	50143	0.09	0.003	0.00	3.58	0.00	0.000
1.14	2.51	40.34	3.02	121.99	32	51733	0.09	0.003	0.00	3.58	0.00	0.000
1.16	2.56	38.15	3.45	131.75	35	52614	0.09	0.003	0.00	3.58	0.00	0.000
1.18	2.66	34.27	4.28	146.79	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.73	31.41	5.04	158.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.59	36.43	3.67	133.76	36	51962	0.09	0.004	0.00	3.58	0.00	0.000
1.24	2.62	35.74	3.94	140.64	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.62	34.38	3.92	134.86	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.59	34.71	3.70	128.60	35	49758	0.09	0.004	0.00	3.58	0.00	0.000
1.30	2.57	35.71	3.48	124.44	33	49494	0.09	0.004	0.00	3.58	0.00	0.000
1.32	2.29	61.33	1.90	116.80	27	60137	0.08	0.003	0.00	3.58	0.00	0.000
1.34	2.35	58.80	2.15	126.16	30	62104	0.08	0.003	0.00	3.58	0.00	0.000
1.36	2.40	55.28	2.39	132.19	33	62206	0.08	0.003	0.00	3.58	0.00	0.000
1.38	2.43	54.11	2.55	137.85	34	63108	0.08	0.003	0.00	3.58	0.00	0.000
1.40	2.45	53.24	2.66	141.75	36	63645	0.08	0.003	0.00	3.58	0.00	0.000
1.42	2.43	54.58	2.56	139.94	35	63891	0.08	0.003	0.00	3.58	0.00	0.000
1.44	2.42	55.43	2.45	136.06	34	63308	0.08	0.003	0.00	3.58	0.00	0.000
1.46	2.44	53.75	2.61	140.14	35	63509	0.08	0.003	0.00	3.58	0.00	0.000
1.48	2.43	52.56	2.52	132.29	33	60888	0.08	0.004	0.00	3.58	0.00	0.000
1.50	2.44	53.05	2.57	136.29	34	62168	0.08	0.004	0.00	3.58	0.00	0.000
1.52	2.44	53.89	2.63	141.50	36	63925	0.08	0.004	0.00	3.58	0.00	0.000
1.54	2.45	54.70	2.67	146.30	37	65556	0.08	0.004	0.00	3.58	0.00	0.000
1.56	2.48	53.03	2.86	151.59	39	65940	0.08	0.004	0.00	3.58	0.00	0.000
1.58	2.50	52.19	3.00	156.41	40	66599	0.08	0.004	0.00	3.58	0.00	0.000
1.60	2.50	52.85	3.00	158.49	41	67465	0.08	0.004	0.00	3.58	0.00	0.000
1.62	2.50	53.35	3.00	160.11	41	68134	0.08	0.004	0.00	3.58	0.00	0.000
1.64	2.51	52.84	3.05	161.29	42	68110	0.08	0.004	0.00	3.58	0.00	0.000
1.66	2.52	53.00	3.12	165.46	43	69163	0.08	0.004	0.00	3.58	0.00	0.000
1.68	2.52	53.83	3.10	167.01	43	70013	0.08	0.004	0.00	3.58	0.00	0.000
1.70	2.52	53.83	3.14	168.91	44	70446	0.08	0.004	0.00	3.58	0.00	0.000
1.72	2.54	52.81	3.24	171.12	45	70334	0.08	0.004	0.00	3.58	0.00	0.000
1.74	2.54	53.80	3.23	173.98	46	71573	0.08	0.004	0.00	3.58	0.00	0.000
1.76	2.52	59.65	3.12	185.99	48	77789	0.08	0.003	0.00	3.58	0.00	0.000
1.78	2.56	58.16	3.45	200.54	53	80143	0.08	0.003	0.00	3.58	0.00	0.000
1.80	2.59	56.65	3.70	209.50	57	81123	0.08	0.003	0.00	3.58	0.00	0.000
1.82	2.61	55.66	3.87	215.60	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.84	2.63	54.16	4.06	220.03	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.86	2.65	53.14	4.18	222.26	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.88	2.68	49.27	4.55	224.25	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.90	2.73	45.76	5.01	229.41	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.92	2.82	38.88	6.05	235.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.84	36.36	6.31	229.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.87	33.33	6.75	225.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.91	30.15	7.29	219.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	26.68	2.00	0.00	1.00	0.00	2.02	26.51	2.00	0.00	1.00	0.00
2.04	27.52	2.00	0.00	1.00	0.00	2.06	26.34	2.00	0.00	1.00	0.00
2.08	26.51	2.00	0.00	1.00	0.00	2.10	26.01	2.00	0.00	1.00	0.00
2.12	27.52	2.00	0.00	1.00	0.00	2.14	26.01	2.00	0.00	1.00	0.00
2.16	25.84	2.00	0.00	1.00	0.00	2.18	24.50	2.00	0.00	1.00	0.00
2.20	24.83	2.00	0.00	1.00	0.00	2.22	24.66	2.00	0.00	1.00	0.00
2.24	24.50	2.00	0.00	1.00	0.00	2.26	23.32	2.00	0.00	1.00	0.00
2.28	24.45	2.00	0.00	1.00	0.00	2.30	22.48	2.00	0.00	1.00	0.00
2.32	20.80	2.00	0.00	1.00	0.00	2.34	20.64	2.00	0.00	1.00	0.00
2.36	19.97	2.00	0.00	1.00	0.00	2.38	20.61	2.00	0.00	1.00	0.00
2.40	19.62	2.00	0.00	1.00	0.00	2.42	22.29	2.00	0.00	1.00	0.00
2.44	21.17	2.00	0.00	1.00	0.00	2.46	19.72	2.00	0.00	1.00	0.00
2.48	19.85	2.00	0.00	1.00	0.00	2.50	19.52	2.00	0.00	1.00	0.00
2.52	19.34	2.00	0.00	1.00	0.00	2.54	17.38	2.00	0.00	1.00	0.00
2.56	17.51	2.00	0.00	1.00	0.00	2.58	17.17	2.00	0.00	1.00	0.00
2.60	18.43	2.00	0.00	1.00	0.00	2.62	18.40	2.00	0.00	1.00	0.00
2.64	17.73	2.00	0.00	1.00	0.00	2.66	17.86	2.00	0.00	1.00	0.00
2.68	76.63	1.07	0.89	1.00	0.02	2.70	75.97	1.05	0.97	1.00	0.02
2.72	77.02	1.06	0.92	1.00	0.02	2.74	77.00	1.06	0.95	1.00	0.02
2.76	77.28	1.06	0.95	1.00	0.02	2.78	78.24	1.06	0.91	1.00	0.02
2.80	77.67	1.06	0.98	1.00	0.02	2.82	78.65	1.06	0.93	1.00	0.02
2.84	78.06	1.05	1.00	1.00	0.02	2.86	79.08	1.06	0.95	1.00	0.02
2.88	79.71	1.06	0.92	1.00	0.02	2.90	79.49	1.06	0.96	1.00	0.02
2.92	81.56	1.08	0.85	1.00	0.02	2.94	81.18	1.07	0.89	1.00	0.02
2.96	82.25	1.08	0.85	1.00	0.02	2.98	84.12	1.10	0.77	1.00	0.02
3.00	82.18	1.07	0.89	1.00	0.02	3.02	24.19	2.00	0.00	1.00	0.00
3.04	23.97	2.00	0.00	1.00	0.00	3.06	24.96	2.00	0.00	1.00	0.00
3.08	26.11	2.00	0.00	1.00	0.00	3.10	26.65	2.00	0.00	1.00	0.00
3.12	25.56	2.00	0.00	1.00	0.00	3.14	26.08	2.00	0.00	1.00	0.00
3.16	25.88	2.00	0.00	1.00	0.00	3.18	24.95	2.00	0.00	1.00	0.00
3.20	26.66	2.00	0.00	1.00	0.00	3.22	28.20	2.00	0.00	1.00	0.00
3.24	90.06	1.13	0.69	1.00	0.01	3.26	88.97	1.12	0.74	1.00	0.01
3.28	88.41	1.11	0.77	1.00	0.02	3.30	89.05	1.11	0.75	1.00	0.02
3.32	27.32	2.00	0.00	1.00	0.00	3.34	27.53	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	27.47	2.00	0.00	1.00	0.00	3.38	27.27	2.00	0.00	1.00	0.00
3.40	27.93	2.00	0.00	1.00	0.00	3.42	27.73	2.00	0.00	1.00	0.00
3.44	30.63	2.00	0.00	1.00	0.00	3.46	27.21	2.00	0.00	1.00	0.00
3.48	27.87	2.00	0.00	1.00	0.00	3.50	25.60	2.00	0.00	1.00	0.00
3.52	26.12	2.00	0.00	1.00	0.00	3.54	26.63	2.00	0.00	1.00	0.00
3.56	28.63	2.00	0.00	1.00	0.00	3.58	27.89	2.00	0.00	1.00	0.00
3.60	27.84	2.00	0.00	1.00	0.00	3.62	27.10	2.00	0.00	1.00	0.00
3.64	27.59	2.00	0.00	1.00	0.00	3.66	29.07	2.00	0.00	1.00	0.00
3.68	28.88	2.00	0.00	1.00	0.00	3.70	27.33	2.00	0.00	1.00	0.00
3.72	26.45	2.00	0.00	1.00	0.00	3.74	24.74	2.00	0.00	1.00	0.00
3.76	21.07	2.00	0.00	1.00	0.00	3.78	20.62	2.00	0.00	1.00	0.00
3.80	19.18	2.00	0.00	1.00	0.00	3.82	21.26	2.00	0.00	1.00	0.00
3.84	22.21	2.00	0.00	1.00	0.00	3.86	25.39	2.00	0.00	1.00	0.00
3.88	84.82	1.01	1.51	1.00	0.03	3.90	85.91	1.02	1.36	1.00	0.03
3.92	87.88	1.04	1.16	1.00	0.02	3.94	90.79	1.07	0.95	1.00	0.02
3.96	30.31	2.00	0.00	1.00	0.00	3.98	28.61	2.00	0.00	1.00	0.00
4.00	30.42	2.00	0.00	1.00	0.00	4.02	26.47	2.00	0.00	1.00	0.00
4.04	25.75	2.00	0.00	1.00	0.00	4.06	24.91	2.00	0.00	1.00	0.00
4.08	24.74	2.00	0.00	1.00	0.00	4.10	24.70	2.00	0.00	1.00	0.00
4.12	25.61	2.00	0.00	1.00	0.00	4.14	25.57	2.00	0.00	1.00	0.00
4.16	26.20	2.00	0.00	1.00	0.00	4.18	25.48	2.00	0.00	1.00	0.00
4.20	25.43	2.00	0.00	1.00	0.00	4.22	24.45	2.00	0.00	1.00	0.00
4.24	26.40	2.00	0.00	1.00	0.00	4.26	26.76	2.00	0.00	1.00	0.00
4.28	25.28	2.00	0.00	1.00	0.00	4.30	26.02	2.00	0.00	1.00	0.00
4.32	25.71	2.00	0.00	1.00	0.00	4.34	25.27	2.00	0.00	1.00	0.00
4.36	25.63	2.00	0.00	1.00	0.00	4.38	25.72	2.00	0.00	1.00	0.00
4.40	25.28	2.00	0.00	1.00	0.00	4.42	25.89	2.00	0.00	1.00	0.00
4.44	25.58	2.00	0.00	1.00	0.00	4.46	25.93	2.00	0.00	1.00	0.00
4.48	26.02	2.00	0.00	1.00	0.00	4.50	25.59	2.00	0.00	1.00	0.00
4.52	23.60	2.00	0.00	1.00	0.00	4.54	23.82	2.00	0.00	1.00	0.00
4.56	23.52	2.00	0.00	1.00	0.00	4.58	22.83	2.00	0.00	1.00	0.00
4.60	23.44	2.00	0.00	1.00	0.00	4.62	22.49	2.00	0.00	1.00	0.00
4.64	21.54	2.00	0.00	1.00	0.00	4.66	23.33	2.00	0.00	1.00	0.00
4.68	22.90	2.00	0.00	1.00	0.00	4.70	23.12	2.00	0.00	1.00	0.00
4.72	25.13	2.00	0.00	1.00	0.00	4.74	24.71	2.00	0.00	1.00	0.00
4.76	24.68	2.00	0.00	1.00	0.00	4.78	25.15	2.00	0.00	1.00	0.00
4.80	26.14	2.00	0.00	1.00	0.00	4.82	25.98	2.00	0.00	1.00	0.00
4.84	25.04	2.00	0.00	1.00	0.00	4.86	24.62	2.00	0.00	1.00	0.00
4.88	24.70	2.00	0.00	1.00	0.00	4.90	23.90	2.00	0.00	1.00	0.00
4.92	23.86	2.00	0.00	1.00	0.00	4.94	23.69	2.00	0.00	1.00	0.00
4.96	22.65	2.00	0.00	1.00	0.00	4.98	21.73	2.00	0.00	1.00	0.00
5.00	21.70	2.00	0.00	1.00	0.00	5.02	22.05	2.00	0.00	1.00	0.00
5.04	22.65	2.00	0.00	1.00	0.00	5.06	22.49	2.00	0.00	1.00	0.00
5.08	22.08	2.00	0.00	1.00	0.00	5.10	21.79	2.00	0.00	1.00	0.00
5.12	21.51	2.00	0.00	1.00	0.00	5.14	21.60	2.00	0.00	1.00	0.00
5.16	21.44	2.00	0.00	1.00	0.00	5.18	22.29	2.00	0.00	1.00	0.00
5.20	21.13	2.00	0.00	1.00	0.00	5.22	23.33	2.00	0.00	1.00	0.00
5.24	25.05	2.00	0.00	1.00	0.00	5.26	25.01	2.00	0.00	1.00	0.00
5.28	25.84	2.00	0.00	1.00	0.00	5.30	25.68	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	25.27	2.00	0.00	1.00	0.00	5.34	25.48	2.00	0.00	1.00	0.00
5.36	25.68	2.00	0.00	1.00	0.00	5.38	24.42	2.00	0.00	1.00	0.00
5.40	24.01	2.00	0.00	1.00	0.00	5.42	24.22	2.00	0.00	1.00	0.00
5.44	24.06	2.00	0.00	1.00	0.00	5.46	24.76	2.00	0.00	1.00	0.00
5.48	24.23	2.00	0.00	1.00	0.00	5.50	25.30	2.00	0.00	1.00	0.00
5.52	24.53	2.00	0.00	1.00	0.00	5.54	25.35	2.00	0.00	1.00	0.00
5.56	25.19	2.00	0.00	1.00	0.00	5.58	23.69	2.00	0.00	1.00	0.00
5.60	22.32	2.00	0.00	1.00	0.00	5.62	24.23	2.00	0.00	1.00	0.00
5.64	24.44	2.00	0.00	1.00	0.00	5.66	23.44	2.00	0.00	1.00	0.00
5.68	21.34	2.00	0.00	1.00	0.00	5.70	21.68	2.00	0.00	1.00	0.00
5.72	21.29	2.00	0.00	1.00	0.00	5.74	20.65	2.00	0.00	1.00	0.00
5.76	20.38	2.00	0.00	1.00	0.00	5.78	20.72	2.00	0.00	1.00	0.00
5.80	20.08	2.00	0.00	1.00	0.00	5.82	20.78	2.00	0.00	1.00	0.00
5.84	19.91	2.00	0.00	1.00	0.00	5.86	18.92	2.00	0.00	1.00	0.00
5.88	18.77	2.00	0.00	1.00	0.00	5.90	19.23	2.00	0.00	1.00	0.00
5.92	18.72	2.00	0.00	1.00	0.00	5.94	19.06	2.00	0.00	1.00	0.00
5.96	19.63	2.00	0.00	1.00	0.00	5.98	19.49	2.00	0.00	1.00	0.00
6.00	19.46	2.00	0.00	1.00	0.00	6.02	23.60	2.00	0.00	1.00	0.00
6.04	24.87	2.00	0.00	1.00	0.00	6.06	23.42	2.00	0.00	1.00	0.00
6.08	23.15	2.00	0.00	1.00	0.00	6.10	22.76	2.00	0.00	1.00	0.00
6.12	22.97	2.00	0.00	1.00	0.00	6.14	22.23	2.00	0.00	1.00	0.00
6.16	22.90	2.00	0.00	1.00	0.00	6.18	23.93	2.00	0.00	1.00	0.00
6.20	23.08	2.00	0.00	1.00	0.00	6.22	23.16	2.00	0.00	1.00	0.00
6.24	22.66	2.00	0.00	1.00	0.00	6.26	22.28	2.00	0.00	1.00	0.00
6.28	22.02	2.00	0.00	1.00	0.00	6.30	21.40	2.00	0.00	1.00	0.00
6.32	21.49	2.00	0.00	1.00	0.00	6.34	20.19	2.00	0.00	1.00	0.00
6.36	20.63	2.00	0.00	1.00	0.00	6.38	22.35	2.00	0.00	1.00	0.00
6.40	20.11	2.00	0.00	1.00	0.00	6.42	19.97	2.00	0.00	1.00	0.00
6.44	19.94	2.00	0.00	1.00	0.00	6.46	20.38	2.00	0.00	1.00	0.00
6.48	20.93	2.00	0.00	1.00	0.00	6.50	21.02	2.00	0.00	1.00	0.00
6.52	21.23	2.00	0.00	1.00	0.00	6.54	21.43	2.00	0.00	1.00	0.00
6.56	20.25	2.00	0.00	1.00	0.00	6.58	19.99	2.00	0.00	1.00	0.00
6.60	19.74	2.00	0.00	1.00	0.00	6.62	19.71	2.00	0.00	1.00	0.00
6.64	18.42	2.00	0.00	1.00	0.00	6.66	18.28	2.00	0.00	1.00	0.00
6.68	17.80	2.00	0.00	1.00	0.00	6.70	17.20	2.00	0.00	1.00	0.00
6.72	17.30	2.00	0.00	1.00	0.00	6.74	17.04	2.00	0.00	1.00	0.00
6.76	17.71	2.00	0.00	1.00	0.00	6.78	18.94	2.00	0.00	1.00	0.00
6.80	19.61	2.00	0.00	1.00	0.00	6.82	19.13	2.00	0.00	1.00	0.00
6.84	18.76	2.00	0.00	1.00	0.00	6.86	18.06	2.00	0.00	1.00	0.00
6.88	17.69	2.00	0.00	1.00	0.00	6.90	17.56	2.00	0.00	1.00	0.00
6.92	19.01	2.00	0.00	1.00	0.00	6.94	18.87	2.00	0.00	1.00	0.00
6.96	16.93	2.00	0.00	1.00	0.00	6.98	16.23	2.00	0.00	1.00	0.00
7.00	16.55	2.00	0.00	1.00	0.00	7.02	16.75	2.00	0.00	1.00	0.00
7.04	16.17	2.00	0.00	1.00	0.00	7.06	16.15	2.00	0.00	1.00	0.00
7.08	15.90	2.00	0.00	1.00	0.00	7.10	15.44	2.00	0.00	1.00	0.00
7.12	15.08	2.00	0.00	1.00	0.00	7.14	14.05	2.00	0.00	1.00	0.00
7.16	15.27	2.00	0.00	1.00	0.00	7.18	15.59	2.00	0.00	1.00	0.00
7.20	15.79	2.00	0.00	1.00	0.00	7.22	17.34	2.00	0.00	1.00	0.00
7.24	15.98	2.00	0.00	1.00	0.00	7.26	19.97	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	18.72	2.00	0.00	1.00	0.00	7.30	17.92	2.00	0.00	1.00	0.00
7.32	17.24	2.00	0.00	1.00	0.00	7.34	16.66	2.00	0.00	1.00	0.00
7.36	15.86	2.00	0.00	1.00	0.00	7.38	16.73	2.00	0.00	1.00	0.00
7.40	16.38	2.00	0.00	1.00	0.00	7.42	16.69	2.00	0.00	1.00	0.00
7.44	15.79	2.00	0.00	1.00	0.00	7.46	16.87	2.00	0.00	1.00	0.00
7.48	17.40	2.00	0.00	1.00	0.00	7.50	18.70	2.00	0.00	1.00	0.00
7.52	17.80	2.00	0.00	1.00	0.00	7.54	16.80	2.00	0.00	1.00	0.00
7.56	15.46	2.00	0.00	1.00	0.00	7.58	14.34	2.00	0.00	1.00	0.00
7.60	14.99	2.00	0.00	1.00	0.00	7.62	14.86	2.00	0.00	1.00	0.00
7.64	14.07	2.00	0.00	1.00	0.00	7.66	13.95	2.00	0.00	1.00	0.00
7.68	12.73	2.00	0.00	1.00	0.00	7.70	14.03	2.00	0.00	1.00	0.00
7.72	13.90	2.00	0.00	1.00	0.00	7.74	14.87	2.00	0.00	1.00	0.00
7.76	16.26	2.00	0.00	1.00	0.00	7.78	14.83	2.00	0.00	1.00	0.00
7.80	15.14	2.00	0.00	1.00	0.00	7.82	14.80	2.00	0.00	1.00	0.00
7.84	15.11	2.00	0.00	1.00	0.00	7.86	16.50	2.00	0.00	1.00	0.00
7.88	15.30	2.00	0.00	1.00	0.00	7.90	15.28	2.00	0.00	1.00	0.00
7.92	15.26	2.00	0.00	1.00	0.00	7.94	15.35	2.00	0.00	1.00	0.00
7.96	16.09	2.00	0.00	1.00	0.00	7.98	15.64	2.00	0.00	1.00	0.00
8.00	16.49	2.00	0.00	1.00	0.00	8.02	16.04	2.00	0.00	1.00	0.00
8.04	15.70	2.00	0.00	1.00	0.00	8.06	15.79	2.00	0.00	1.00	0.00
8.08	15.99	2.00	0.00	1.00	0.00	8.10	16.18	2.00	0.00	1.00	0.00
8.12	14.56	2.00	0.00	1.00	0.00	8.14	14.01	2.00	0.00	1.00	0.00
8.16	14.42	2.00	0.00	1.00	0.00	8.18	14.30	2.00	0.00	1.00	0.00
8.20	13.86	2.00	0.00	1.00	0.00	8.22	14.59	2.00	0.00	1.00	0.00
8.24	14.36	2.00	0.00	1.00	0.00	8.26	13.18	2.00	0.00	1.00	0.00
8.28	13.27	2.00	0.00	1.00	0.00	8.30	13.78	2.00	0.00	1.00	0.00
8.32	14.40	2.00	0.00	1.00	0.00	8.34	14.71	2.00	0.00	1.00	0.00
8.36	14.27	2.00	0.00	1.00	0.00	8.38	13.72	2.00	0.00	1.00	0.00
8.40	14.24	2.00	0.00	1.00	0.00	8.42	14.01	2.00	0.00	1.00	0.00
8.44	15.37	2.00	0.00	1.00	0.00	8.46	15.66	2.00	0.00	1.00	0.00
8.48	16.17	2.00	0.00	1.00	0.00	8.50	15.95	2.00	0.00	1.00	0.00
8.52	16.98	2.00	0.00	1.00	0.00	8.54	16.75	2.00	0.00	1.00	0.00
8.56	16.84	2.00	0.00	1.00	0.00	8.58	18.07	2.00	0.00	1.00	0.00
8.60	18.16	2.00	0.00	1.00	0.00	8.62	19.70	2.00	0.00	1.00	0.00
8.64	19.05	2.00	0.00	1.00	0.00	8.66	19.55	2.00	0.00	1.00	0.00
8.68	20.05	2.00	0.00	1.00	0.00	8.70	19.10	2.00	0.00	1.00	0.00
8.72	18.77	2.00	0.00	1.00	0.00	8.74	17.82	2.00	0.00	1.00	0.00
8.76	18.31	2.00	0.00	1.00	0.00	8.78	17.78	2.00	0.00	1.00	0.00
8.80	17.55	2.00	0.00	1.00	0.00	8.82	17.64	2.00	0.00	1.00	0.00
8.84	18.24	2.00	0.00	1.00	0.00	8.86	18.32	2.00	0.00	1.00	0.00
8.88	18.81	2.00	0.00	1.00	0.00	8.90	20.13	2.00	0.00	1.00	0.00
8.92	20.01	2.00	0.00	1.00	0.00	8.94	20.81	2.00	0.00	1.00	0.00
8.96	20.89	2.00	0.00	1.00	0.00	8.98	20.25	2.00	0.00	1.00	0.00
9.00	19.62	2.00	0.00	1.00	0.00	9.02	18.78	2.00	0.00	1.00	0.00
9.04	17.43	2.00	0.00	1.00	0.00	9.06	17.52	2.00	0.00	1.00	0.00
9.08	15.87	2.00	0.00	1.00	0.00	9.10	15.34	2.00	0.00	1.00	0.00
9.12	15.02	2.00	0.00	1.00	0.00	9.14	14.60	2.00	0.00	1.00	0.00
9.16	15.19	2.00	0.00	1.00	0.00	9.18	14.57	2.00	0.00	1.00	0.00
9.20	14.25	2.00	0.00	1.00	0.00	9.22	14.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	14.73	2.00	0.00	1.00	0.00	9.26	14.71	2.00	0.00	1.00	0.00
9.28	15.20	2.00	0.00	1.00	0.00	9.30	14.58	2.00	0.00	1.00	0.00
9.32	14.36	2.00	0.00	1.00	0.00	9.34	15.66	2.00	0.00	1.00	0.00
9.36	15.54	2.00	0.00	1.00	0.00	9.38	15.43	2.00	0.00	1.00	0.00
9.40	15.21	2.00	0.00	1.00	0.00	9.42	13.69	2.00	0.00	1.00	0.00
9.44	15.59	2.00	0.00	1.00	0.00	9.46	15.47	2.00	0.00	1.00	0.00
9.48	15.56	2.00	0.00	1.00	0.00	9.50	16.84	2.00	0.00	1.00	0.00
9.52	17.12	2.00	0.00	1.00	0.00	9.54	18.21	2.00	0.00	1.00	0.00
9.56	17.59	2.00	0.00	1.00	0.00	9.58	18.27	2.00	0.00	1.00	0.00
9.60	19.85	2.00	0.00	1.00	0.00	9.62	20.62	2.00	0.00	1.00	0.00
9.64	21.20	2.00	0.00	1.00	0.00	9.66	20.88	2.00	0.00	1.00	0.00
9.68	22.25	2.00	0.00	1.00	0.00	9.70	22.13	2.00	0.00	1.00	0.00
9.72	22.01	2.00	0.00	1.00	0.00	9.74	21.69	2.00	0.00	1.00	0.00
9.76	20.58	2.00	0.00	1.00	0.00	9.78	18.98	2.00	0.00	1.00	0.00
9.80	18.37	2.00	0.00	1.00	0.00	9.82	17.86	2.00	0.00	1.00	0.00
9.84	16.36	2.00	0.00	1.00	0.00	9.86	16.74	2.00	0.00	1.00	0.00
9.88	17.11	2.00	0.00	1.00	0.00	9.90	17.29	2.00	0.00	1.00	0.00
9.92	17.08	2.00	0.00	1.00	0.00	9.94	16.77	2.00	0.00	1.00	0.00
9.96	15.28	2.00	0.00	1.00	0.00	9.98	13.90	2.00	0.00	1.00	0.00
10.00	16.13	2.00	0.00	1.00	0.00	10.02	14.95	2.00	0.00	1.00	0.00
10.04	14.64	2.00	0.00	1.00	0.00	10.06	13.75	2.00	0.00	1.00	0.00
10.08	13.64	2.00	0.00	1.00	0.00	10.10	12.84	2.00	0.00	1.00	0.00
10.12	13.61	2.00	0.00	1.00	0.00	10.14	13.40	2.00	0.00	1.00	0.00
10.16	13.39	2.00	0.00	1.00	0.00	10.18	13.96	2.00	0.00	1.00	0.00
10.20	13.27	2.00	0.00	1.00	0.00	10.22	13.45	2.00	0.00	1.00	0.00
10.24	13.34	2.00	0.00	1.00	0.00	10.26	12.26	2.00	0.00	1.00	0.00
10.28	12.06	2.00	0.00	1.00	0.00	10.30	12.72	2.00	0.00	1.00	0.00
10.32	12.23	2.00	0.00	1.00	0.00	10.34	11.74	2.00	0.00	1.00	0.00
10.36	11.53	2.00	0.00	1.00	0.00	10.38	12.68	2.00	0.00	1.00	0.00
10.40	10.84	2.00	0.00	1.00	0.00	10.42	10.92	2.00	0.00	1.00	0.00
10.44	10.91	2.00	0.00	1.00	0.00	10.46	10.91	2.00	0.00	1.00	0.00
10.48	11.57	2.00	0.00	1.00	0.00	10.50	12.03	2.00	0.00	1.00	0.00
10.52	11.45	2.00	0.00	1.00	0.00	10.54	11.63	2.00	0.00	1.00	0.00
10.56	11.72	2.00	0.00	1.00	0.00	10.58	11.04	2.00	0.00	1.00	0.00
10.60	11.70	2.00	0.00	1.00	0.00	10.62	12.07	2.00	0.00	1.00	0.00
10.64	12.34	2.00	0.00	1.00	0.00	10.66	13.95	2.00	0.00	1.00	0.00
10.68	13.18	2.00	0.00	1.00	0.00	10.70	13.64	2.00	0.00	1.00	0.00
10.72	14.20	2.00	0.00	1.00	0.00	10.74	13.24	2.00	0.00	1.00	0.00
10.76	13.42	2.00	0.00	1.00	0.00	10.78	13.98	2.00	0.00	1.00	0.00
10.80	13.96	2.00	0.00	1.00	0.00	10.82	13.86	2.00	0.00	1.00	0.00
10.84	14.41	2.00	0.00	1.00	0.00	10.86	14.68	2.00	0.00	1.00	0.00
10.88	14.86	2.00	0.00	1.00	0.00	10.90	15.04	2.00	0.00	1.00	0.00
10.92	14.55	2.00	0.00	1.00	0.00	10.94	15.01	2.00	0.00	1.00	0.00
10.96	15.00	2.00	0.00	1.00	0.00	10.98	14.52	2.00	0.00	1.00	0.00
11.00	14.88	2.00	0.00	1.00	0.00	11.02	13.74	2.00	0.00	1.00	0.00
11.04	13.82	2.00	0.00	1.00	0.00	11.06	14.18	2.00	0.00	1.00	0.00
11.08	14.36	2.00	0.00	1.00	0.00	11.10	14.63	2.00	0.00	1.00	0.00
11.12	14.99	2.00	0.00	1.00	0.00	11.14	15.35	2.00	0.00	1.00	0.00
11.16	15.71	2.00	0.00	1.00	0.00	11.18	14.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	15.87	2.00	0.00	1.00	0.00	11.22	15.67	2.00	0.00	1.00	0.00
11.24	14.82	2.00	0.00	1.00	0.00	11.26	14.25	2.00	0.00	1.00	0.00
11.28	14.79	2.00	0.00	1.00	0.00	11.30	14.87	2.00	0.00	1.00	0.00
11.32	14.77	2.00	0.00	1.00	0.00	11.34	15.13	2.00	0.00	1.00	0.00
11.36	15.21	2.00	0.00	1.00	0.00	11.38	17.33	2.00	0.00	1.00	0.00
11.40	16.76	2.00	0.00	1.00	0.00	11.42	16.28	2.00	0.00	1.00	0.00
11.44	14.88	2.00	0.00	1.00	0.00	11.46	14.31	2.00	0.00	1.00	0.00
11.48	13.84	2.00	0.00	1.00	0.00	11.50	13.18	2.00	0.00	1.00	0.00
11.52	12.34	2.00	0.00	1.00	0.00	11.54	12.42	2.00	0.00	1.00	0.00
11.56	12.78	2.00	0.00	1.00	0.00	11.58	12.86	2.00	0.00	1.00	0.00
11.60	14.04	2.00	0.00	1.00	0.00	11.62	14.03	2.00	0.00	1.00	0.00
11.64	14.85	2.00	0.00	1.00	0.00	11.66	15.94	2.00	0.00	1.00	0.00
11.68	16.47	2.00	0.00	1.00	0.00	11.70	16.46	2.00	0.00	1.00	0.00
11.72	16.63	2.00	0.00	1.00	0.00	11.74	16.07	2.00	0.00	1.00	0.00
11.76	15.96	2.00	0.00	1.00	0.00	11.78	15.95	2.00	0.00	1.00	0.00
11.80	15.12	2.00	0.00	1.00	0.00	11.82	14.37	2.00	0.00	1.00	0.00
11.84	15.18	2.00	0.00	1.00	0.00	11.86	13.80	2.00	0.00	1.00	0.00
11.88	14.34	2.00	0.00	1.00	0.00	11.90	13.78	2.00	0.00	1.00	0.00
11.92	13.95	2.00	0.00	1.00	0.00	11.94	14.03	2.00	0.00	1.00	0.00
11.96	13.75	2.00	0.00	1.00	0.00	11.98	14.01	2.00	0.00	1.00	0.00
12.00	15.27	2.00	0.00	1.00	0.00	12.02	14.80	2.00	0.00	1.00	0.00
12.04	14.70	2.00	0.00	1.00	0.00	12.06	15.05	2.00	0.00	1.00	0.00
12.08	16.39	2.00	0.00	1.00	0.00	12.10	16.29	2.00	0.00	1.00	0.00
12.12	17.18	2.00	0.00	1.00	0.00	12.14	17.71	2.00	0.00	1.00	0.00
12.16	17.87	2.00	0.00	1.00	0.00	12.18	18.94	2.00	0.00	1.00	0.00
12.20	17.67	2.00	0.00	1.00	0.00	12.22	17.29	2.00	0.00	1.00	0.00
12.24	16.02	2.00	0.00	1.00	0.00	12.26	16.28	2.00	0.00	1.00	0.00
12.28	16.63	2.00	0.00	1.00	0.00	12.30	17.78	2.00	0.00	1.00	0.00
12.32	17.50	2.00	0.00	1.00	0.00	12.34	17.48	2.00	0.00	1.00	0.00
12.36	15.77	2.00	0.00	1.00	0.00	12.38	16.56	2.00	0.00	1.00	0.00
12.40	16.01	2.00	0.00	1.00	0.00	12.42	15.02	2.00	0.00	1.00	0.00
12.44	13.84	2.00	0.00	1.00	0.00	12.46	12.85	2.00	0.00	1.00	0.00
12.48	12.31	2.00	0.00	1.00	0.00	12.50	13.54	2.00	0.00	1.00	0.00
12.52	13.44	2.00	0.00	1.00	0.00	12.54	13.17	2.00	0.00	1.00	0.00
12.56	13.16	2.00	0.00	1.00	0.00	12.58	12.53	2.00	0.00	1.00	0.00
12.60	13.05	2.00	0.00	1.00	0.00	12.62	12.77	2.00	0.00	1.00	0.00
12.64	13.56	2.00	0.00	1.00	0.00	12.66	12.75	2.00	0.00	1.00	0.00
12.68	13.36	2.00	0.00	1.00	0.00	12.70	13.44	2.00	0.00	1.00	0.00
12.72	13.16	2.00	0.00	1.00	0.00	12.74	13.68	2.00	0.00	1.00	0.00
12.76	13.76	2.00	0.00	1.00	0.00	12.78	13.75	2.00	0.00	1.00	0.00
12.80	13.74	2.00	0.00	1.00	0.00	12.82	13.73	2.00	0.00	1.00	0.00
12.84	13.72	2.00	0.00	1.00	0.00	12.86	13.62	2.00	0.00	1.00	0.00
12.88	13.87	2.00	0.00	1.00	0.00	12.90	13.78	2.00	0.00	1.00	0.00
12.92	15.43	2.00	0.00	1.00	0.00	12.94	15.68	2.00	0.00	1.00	0.00
12.96	14.88	2.00	0.00	1.00	0.00	12.98	16.10	2.00	0.00	1.00	0.00
13.00	15.74	2.00	0.00	1.00	0.00	13.02	16.86	2.00	0.00	1.00	0.00
13.04	17.99	2.00	0.00	1.00	0.00	13.06	18.59	2.00	0.00	1.00	0.00
13.08	19.89	2.00	0.00	1.00	0.00	13.10	19.26	2.00	0.00	1.00	0.00
13.12	21.79	2.00	0.00	1.00	0.00	13.14	22.12	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	21.41	2.00	0.00	1.00	0.00	13.18	20.87	2.00	0.00	1.00	0.00
13.20	21.82	2.00	0.00	1.00	0.00	13.22	20.75	2.00	0.00	1.00	0.00
13.24	20.47	2.00	0.00	1.00	0.00	13.26	22.21	2.00	0.00	1.00	0.00
13.28	21.32	2.00	0.00	1.00	0.00	13.30	20.42	2.00	0.00	1.00	0.00
13.32	21.46	2.00	0.00	1.00	0.00	13.34	20.65	2.00	0.00	1.00	0.00
13.36	21.16	2.00	0.00	1.00	0.00	13.38	20.71	2.00	0.00	1.00	0.00
13.40	19.74	2.00	0.00	1.00	0.00	13.42	19.98	2.00	0.00	1.00	0.00
13.44	19.36	2.00	0.00	1.00	0.00	13.46	19.43	2.00	0.00	1.00	0.00
13.48	19.33	2.00	0.00	1.00	0.00	13.50	20.44	2.00	0.00	1.00	0.00
13.52	18.69	2.00	0.00	1.00	0.00	13.54	19.28	2.00	0.00	1.00	0.00
13.56	18.75	2.00	0.00	1.00	0.00	13.58	18.74	2.00	0.00	1.00	0.00
13.60	18.89	2.00	0.00	1.00	0.00	13.62	19.22	2.00	0.00	1.00	0.00
13.64	19.73	2.00	0.00	1.00	0.00	13.66	20.14	2.00	0.00	1.00	0.00
13.68	20.30	2.00	0.00	1.00	0.00	13.70	21.23	2.00	0.00	1.00	0.00
13.72	21.39	2.00	0.00	1.00	0.00	13.74	22.32	2.00	0.00	1.00	0.00
13.76	22.13	2.00	0.00	1.00	0.00	13.78	22.11	2.00	0.00	1.00	0.00
13.80	23.13	2.00	0.00	1.00	0.00	13.82	22.51	2.00	0.00	1.00	0.00
13.84	22.24	2.00	0.00	1.00	0.00	13.86	22.74	2.00	0.00	1.00	0.00
13.88	22.03	2.00	0.00	1.00	0.00	13.90	22.19	2.00	0.00	1.00	0.00
13.92	22.09	2.00	0.00	1.00	0.00	13.94	21.82	2.00	0.00	1.00	0.00
13.96	21.63	2.00	0.00	1.00	0.00	13.98	21.87	2.00	0.00	1.00	0.00
14.00	20.91	2.00	0.00	1.00	0.00	14.02	22.01	2.00	0.00	1.00	0.00
14.04	22.25	2.00	0.00	1.00	0.00	14.06	24.11	2.00	0.00	1.00	0.00
14.08	23.75	2.00	0.00	1.00	0.00	14.10	22.79	2.00	0.00	1.00	0.00
14.12	22.52	2.00	0.00	1.00	0.00	14.14	21.91	2.00	0.00	1.00	0.00
14.16	21.72	2.00	0.00	1.00	0.00	14.18	22.13	2.00	0.00	1.00	0.00
14.20	21.86	2.00	0.00	1.00	0.00	14.22	20.40	2.00	0.00	1.00	0.00
14.24	21.91	2.00	0.00	1.00	0.00	14.26	22.58	2.00	0.00	1.00	0.00
14.28	18.83	2.00	0.00	1.00	0.00	14.30	19.07	2.00	0.00	1.00	0.00
14.32	18.72	2.00	0.00	1.00	0.00	14.34	20.73	2.00	0.00	1.00	0.00
14.36	21.89	2.00	0.00	1.00	0.00	14.38	19.86	2.00	0.00	1.00	0.00
14.40	18.50	2.00	0.00	1.00	0.00	14.42	19.15	2.00	0.00	1.00	0.00
14.44	17.22	2.00	0.00	1.00	0.00	14.46	16.87	2.00	0.00	1.00	0.00
14.48	16.86	2.00	0.00	1.00	0.00	14.50	15.10	2.00	0.00	1.00	0.00
14.52	14.84	2.00	0.00	1.00	0.00	14.54	14.83	2.00	0.00	1.00	0.00
14.56	18.06	2.00	0.00	1.00	0.00	14.58	18.13	2.00	0.00	1.00	0.00
14.60	16.62	2.00	0.00	1.00	0.00	14.62	16.69	2.00	0.00	1.00	0.00
14.64	17.51	2.00	0.00	1.00	0.00	14.66	19.00	2.00	0.00	1.00	0.00
14.68	16.99	2.00	0.00	1.00	0.00	14.70	19.64	2.00	0.00	1.00	0.00
14.72	19.04	2.00	0.00	1.00	0.00	14.74	20.78	2.00	0.00	1.00	0.00
14.76	18.77	2.00	0.00	1.00	0.00	14.78	20.74	2.00	0.00	1.00	0.00
14.80	19.98	2.00	0.00	1.00	0.00	14.82	18.56	2.00	0.00	1.00	0.00
14.84	18.38	2.00	0.00	1.00	0.00	14.86	16.30	2.00	0.00	1.00	0.00
14.88	18.52	2.00	0.00	1.00	0.00	14.90	18.26	2.00	0.00	1.00	0.00
14.92	18.42	2.00	0.00	1.00	0.00	14.94	17.91	2.00	0.00	1.00	0.00
14.96	18.72	2.00	0.00	1.00	0.00	14.98	17.72	2.00	0.00	1.00	0.00
15.00	18.69	2.00	0.00	1.00	0.00	15.02	18.19	2.00	0.00	1.00	0.00
15.04	19.08	2.00	0.00	1.00	0.00	15.06	19.15	2.00	0.00	1.00	0.00
15.08	19.88	2.00	0.00	1.00	0.00	15.10	21.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	20.26	2.00	0.00	1.00	0.00	15.14	20.41	2.00	0.00	1.00	0.00
15.16	19.25	2.00	0.00	1.00	0.00	15.18	19.07	2.00	0.00	1.00	0.00
15.20	18.32	2.00	0.00	1.00	0.00	15.22	19.29	2.00	0.00	1.00	0.00
15.24	17.56	2.00	0.00	1.00	0.00	15.26	17.14	2.00	0.00	1.00	0.00
15.28	19.42	2.00	0.00	1.00	0.00	15.30	18.83	2.00	0.00	1.00	0.00
15.32	16.86	2.00	0.00	1.00	0.00	15.34	16.20	2.00	0.00	1.00	0.00
15.36	17.25	2.00	0.00	1.00	0.00	15.38	15.53	2.00	0.00	1.00	0.00
15.40	15.44	2.00	0.00	1.00	0.00	15.42	14.94	2.00	0.00	1.00	0.00
15.44	15.26	2.00	0.00	1.00	0.00	15.46	15.25	2.00	0.00	1.00	0.00
15.48	15.24	2.00	0.00	1.00	0.00	15.50	14.50	2.00	0.00	1.00	0.00
15.52	14.97	2.00	0.00	1.00	0.00	15.54	15.21	2.00	0.00	1.00	0.00
15.56	13.27	2.00	0.00	1.00	0.00	15.58	14.22	2.00	0.00	1.00	0.00
15.60	14.45	2.00	0.00	1.00	0.00	15.62	15.65	2.00	0.00	1.00	0.00
15.64	14.67	2.00	0.00	1.00	0.00	15.66	17.00	2.00	0.00	1.00	0.00
15.68	18.11	2.00	0.00	1.00	0.00	15.70	18.50	2.00	0.00	1.00	0.00
15.72	17.85	2.00	0.00	1.00	0.00	15.74	17.84	2.00	0.00	1.00	0.00
15.76	17.18	2.00	0.00	1.00	0.00	15.78	17.41	2.00	0.00	1.00	0.00
15.80	17.80	2.00	0.00	1.00	0.00	15.82	20.29	2.00	0.00	1.00	0.00
15.84	19.39	2.00	0.00	1.00	0.00	15.86	17.77	2.00	0.00	1.00	0.00
15.88	18.96	2.00	0.00	1.00	0.00	15.90	17.98	2.00	0.00	1.00	0.00
15.92	16.61	2.00	0.00	1.00	0.00	15.94	15.96	2.00	0.00	1.00	0.00
15.96	15.47	2.00	0.00	1.00	0.00	15.98	15.46	2.00	0.00	1.00	0.00
16.00	15.77	2.00	0.00	1.00	0.00	16.02	15.76	2.00	0.00	1.00	0.00
16.04	15.75	2.00	0.00	1.00	0.00	16.06	15.02	2.00	0.00	1.00	0.00
16.08	14.54	2.00	0.00	1.00	0.00	16.10	14.53	2.00	0.00	1.00	0.00
16.12	15.71	2.00	0.00	1.00	0.00	16.14	16.33	2.00	0.00	1.00	0.00
16.16	18.15	2.00	0.00	1.00	0.00	16.18	17.98	2.00	0.00	1.00	0.00
16.20	17.33	2.00	0.00	1.00	0.00	16.22	17.56	2.00	0.00	1.00	0.00
16.24	17.63	2.00	0.00	1.00	0.00	16.26	18.41	2.00	0.00	1.00	0.00
16.28	19.35	2.00	0.00	1.00	0.00	16.30	18.86	2.00	0.00	1.00	0.00
16.32	17.42	2.00	0.00	1.00	0.00	16.34	17.41	2.00	0.00	1.00	0.00
16.36	17.48	2.00	0.00	1.00	0.00	16.38	18.10	2.00	0.00	1.00	0.00
16.40	17.53	2.00	0.00	1.00	0.00	16.42	17.44	2.00	0.00	1.00	0.00
16.44	16.96	2.00	0.00	1.00	0.00	16.46	16.39	2.00	0.00	1.00	0.00
16.48	15.20	2.00	0.00	1.00	0.00	16.50	15.90	2.00	0.00	1.00	0.00
16.52	15.50	2.00	0.00	1.00	0.00	16.54	16.11	2.00	0.00	1.00	0.00
16.56	16.73	2.00	0.00	1.00	0.00	16.58	17.11	2.00	0.00	1.00	0.00
16.60	15.30	2.00	0.00	1.00	0.00	16.62	13.66	2.00	0.00	1.00	0.00
16.64	13.49	2.00	0.00	1.00	0.00	16.66	13.95	2.00	0.00	1.00	0.00
16.68	14.10	2.00	0.00	1.00	0.00	16.70	13.54	2.00	0.00	1.00	0.00
16.72	13.92	2.00	0.00	1.00	0.00	16.74	13.45	2.00	0.00	1.00	0.00
16.76	14.06	2.00	0.00	1.00	0.00	16.78	13.43	2.00	0.00	1.00	0.00
16.80	14.04	2.00	0.00	1.00	0.00	16.82	13.72	2.00	0.00	1.00	0.00
16.84	13.18	2.00	0.00	1.00	0.00	16.86	14.02	2.00	0.00	1.00	0.00
16.88	13.70	2.00	0.00	1.00	0.00	16.90	14.23	2.00	0.00	1.00	0.00
16.92	14.92	2.00	0.00	1.00	0.00	16.94	14.37	2.00	0.00	1.00	0.00
16.96	14.20	2.00	0.00	1.00	0.00	16.98	14.19	2.00	0.00	1.00	0.00
17.00	13.80	2.00	0.00	1.00	0.00	17.02	14.18	2.00	0.00	1.00	0.00
17.04	14.17	2.00	0.00	1.00	0.00	17.06	14.54	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	14.30	2.00	0.00	1.00	0.00	17.10	13.99	2.00	0.00	1.00	0.00
17.12	14.36	2.00	0.00	1.00	0.00	17.14	14.12	2.00	0.00	1.00	0.00
17.16	14.34	2.00	0.00	1.00	0.00	17.18	14.80	2.00	0.00	1.00	0.00
17.20	14.40	2.00	0.00	1.00	0.00	17.22	15.39	2.00	0.00	1.00	0.00
17.24	15.69	2.00	0.00	1.00	0.00	17.26	16.29	2.00	0.00	1.00	0.00
17.28	17.44	2.00	0.00	1.00	0.00	17.30	18.51	2.00	0.00	1.00	0.00
17.32	18.11	2.00	0.00	1.00	0.00	17.34	19.81	2.00	0.00	1.00	0.00
17.36	20.03	2.00	0.00	1.00	0.00	17.38	18.93	2.00	0.00	1.00	0.00
17.40	17.99	2.00	0.00	1.00	0.00	17.42	18.29	2.00	0.00	1.00	0.00
17.44	18.82	2.00	0.00	1.00	0.00	17.46	18.34	2.00	0.00	1.00	0.00
17.48	17.79	2.00	0.00	1.00	0.00	17.50	17.01	2.00	0.00	1.00	0.00
17.52	15.86	2.00	0.00	1.00	0.00	17.54	15.77	2.00	0.00	1.00	0.00
17.56	15.91	2.00	0.00	1.00	0.00	17.58	15.60	2.00	0.00	1.00	0.00
17.60	16.04	2.00	0.00	1.00	0.00	17.62	15.35	2.00	0.00	1.00	0.00
17.64	15.34	2.00	0.00	1.00	0.00	17.66	15.86	2.00	0.00	1.00	0.00
17.68	15.40	2.00	0.00	1.00	0.00	17.70	15.39	2.00	0.00	1.00	0.00
17.72	13.87	2.00	0.00	1.00	0.00	17.74	14.99	2.00	0.00	1.00	0.00
17.76	14.53	2.00	0.00	1.00	0.00	17.78	14.90	2.00	0.00	1.00	0.00
17.80	15.26	2.00	0.00	1.00	0.00	17.82	15.18	2.00	0.00	1.00	0.00
17.84	15.25	2.00	0.00	1.00	0.00	17.86	14.11	2.00	0.00	1.00	0.00
17.88	13.80	2.00	0.00	1.00	0.00	17.90	13.34	2.00	0.00	1.00	0.00
17.92	12.96	2.00	0.00	1.00	0.00	17.94	13.02	2.00	0.00	1.00	0.00
17.96	13.09	2.00	0.00	1.00	0.00	17.98	12.56	2.00	0.00	1.00	0.00
18.00	12.40	2.00	0.00	1.00	0.00	18.02	12.99	2.00	0.00	1.00	0.00
18.04	12.61	2.00	0.00	1.00	0.00	18.06	13.28	2.00	0.00	1.00	0.00
18.08	13.19	2.00	0.00	1.00	0.00	18.10	12.15	2.00	0.00	1.00	0.00
18.12	11.18	2.00	0.00	1.00	0.00	18.14	11.47	2.00	0.00	1.00	0.00
18.16	11.83	2.00	0.00	1.00	0.00	18.18	11.38	2.00	0.00	1.00	0.00
18.20	11.74	2.00	0.00	1.00	0.00	18.22	12.55	2.00	0.00	1.00	0.00
18.24	12.91	2.00	0.00	1.00	0.00	18.26	12.90	2.00	0.00	1.00	0.00
18.28	12.67	2.00	0.00	1.00	0.00	18.30	12.07	2.00	0.00	1.00	0.00
18.32	11.77	2.00	0.00	1.00	0.00	18.34	11.47	2.00	0.00	1.00	0.00
18.36	11.54	2.00	0.00	1.00	0.00	18.38	11.53	2.00	0.00	1.00	0.00
18.40	11.97	2.00	0.00	1.00	0.00	18.42	11.45	2.00	0.00	1.00	0.00
18.44	11.29	2.00	0.00	1.00	0.00	18.46	11.58	2.00	0.00	1.00	0.00
18.48	11.35	2.00	0.00	1.00	0.00	18.50	10.69	2.00	0.00	1.00	0.00
18.52	10.68	2.00	0.00	1.00	0.00	18.54	11.19	2.00	0.00	1.00	0.00
18.56	11.18	2.00	0.00	1.00	0.00	18.58	10.96	2.00	0.00	1.00	0.00
18.60	11.46	2.00	0.00	1.00	0.00	18.62	11.82	2.00	0.00	1.00	0.00
18.64	11.16	2.00	0.00	1.00	0.00	18.66	11.00	2.00	0.00	1.00	0.00
18.68	11.65	2.00	0.00	1.00	0.00	18.70	11.57	2.00	0.00	1.00	0.00
18.72	11.20	2.00	0.00	1.00	0.00	18.74	11.12	2.00	0.00	1.00	0.00
18.76	11.26	2.00	0.00	1.00	0.00	18.78	10.82	2.00	0.00	1.00	0.00
18.80	10.67	2.00	0.00	1.00	0.00	18.82	10.81	2.00	0.00	1.00	0.00
18.84	11.09	2.00	0.00	1.00	0.00	18.86	11.30	2.00	0.00	1.00	0.00
18.88	11.30	2.00	0.00	1.00	0.00	18.90	10.28	2.00	0.00	1.00	0.00
18.92	10.64	2.00	0.00	1.00	0.00	18.94	9.91	2.00	0.00	1.00	0.00
18.96	9.11	2.00	0.00	1.00	0.00	18.98	9.11	2.00	0.00	1.00	0.00
19.00	8.32	2.00	0.00	1.00	0.00	19.02	9.46	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	7.88	2.00	0.00	1.00	0.00	19.06	7.31	2.00	0.00	1.00	0.00
19.08	8.87	2.00	0.00	1.00	0.00	19.10	8.94	2.00	0.00	1.00	0.00
19.12	9.36	2.00	0.00	1.00	0.00	19.14	9.28	2.00	0.00	1.00	0.00
19.16	9.64	2.00	0.00	1.00	0.00	19.18	10.13	2.00	0.00	1.00	0.00
19.20	10.13	2.00	0.00	1.00	0.00	19.22	10.69	2.00	0.00	1.00	0.00
19.24	10.90	2.00	0.00	1.00	0.00	19.26	11.33	2.00	0.00	1.00	0.00
19.28	11.11	2.00	0.00	1.00	0.00	19.30	11.53	2.00	0.00	1.00	0.00
19.32	12.10	2.00	0.00	1.00	0.00	19.34	12.17	2.00	0.00	1.00	0.00
19.36	12.45	2.00	0.00	1.00	0.00	19.38	12.44	2.00	0.00	1.00	0.00
19.40	11.29	2.00	0.00	1.00	0.00	19.42	11.21	2.00	0.00	1.00	0.00
19.44	11.63	2.00	0.00	1.00	0.00	19.46	11.13	2.00	0.00	1.00	0.00
19.48	11.05	2.00	0.00	1.00	0.00	19.50	11.40	2.00	0.00	1.00	0.00
19.52	11.39	2.00	0.00	1.00	0.00	19.54	11.25	2.00	0.00	1.00	0.00
19.56	12.45	2.00	0.00	1.00	0.00	19.58	11.16	2.00	0.00	1.00	0.00
19.60	11.37	2.00	0.00	1.00	0.00	19.62	12.22	2.00	0.00	1.00	0.00
19.64	11.57	2.00	0.00	1.00	0.00	19.66	11.21	2.00	0.00	1.00	0.00
19.68	11.06	2.00	0.00	1.00	0.00	19.70	11.91	2.00	0.00	1.00	0.00
19.72	11.40	2.00	0.00	1.00	0.00	19.74	11.40	2.00	0.00	1.00	0.00
19.76	11.96	2.00	0.00	1.00	0.00	19.78	10.89	2.00	0.00	1.00	0.00
19.80	11.45	2.00	0.00	1.00	0.00	19.82	11.52	2.00	0.00	1.00	0.00
19.84	11.86	2.00	0.00	1.00	0.00	19.86	12.07	2.00	0.00	1.00	0.00
19.88	12.49	2.00	0.00	1.00	0.00	19.90	12.56	2.00	0.00	1.00	0.00
19.92	12.26	2.00	0.00	1.00	0.00	19.94	11.48	2.00	0.00	1.00	0.00
19.96	11.90	2.00	0.00	1.00	0.00	19.98	12.03	2.00	0.00	1.00	0.00
20.00	11.32	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.47

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

Dott. Geol. Stefania Asti
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stefania.asti@tin.it

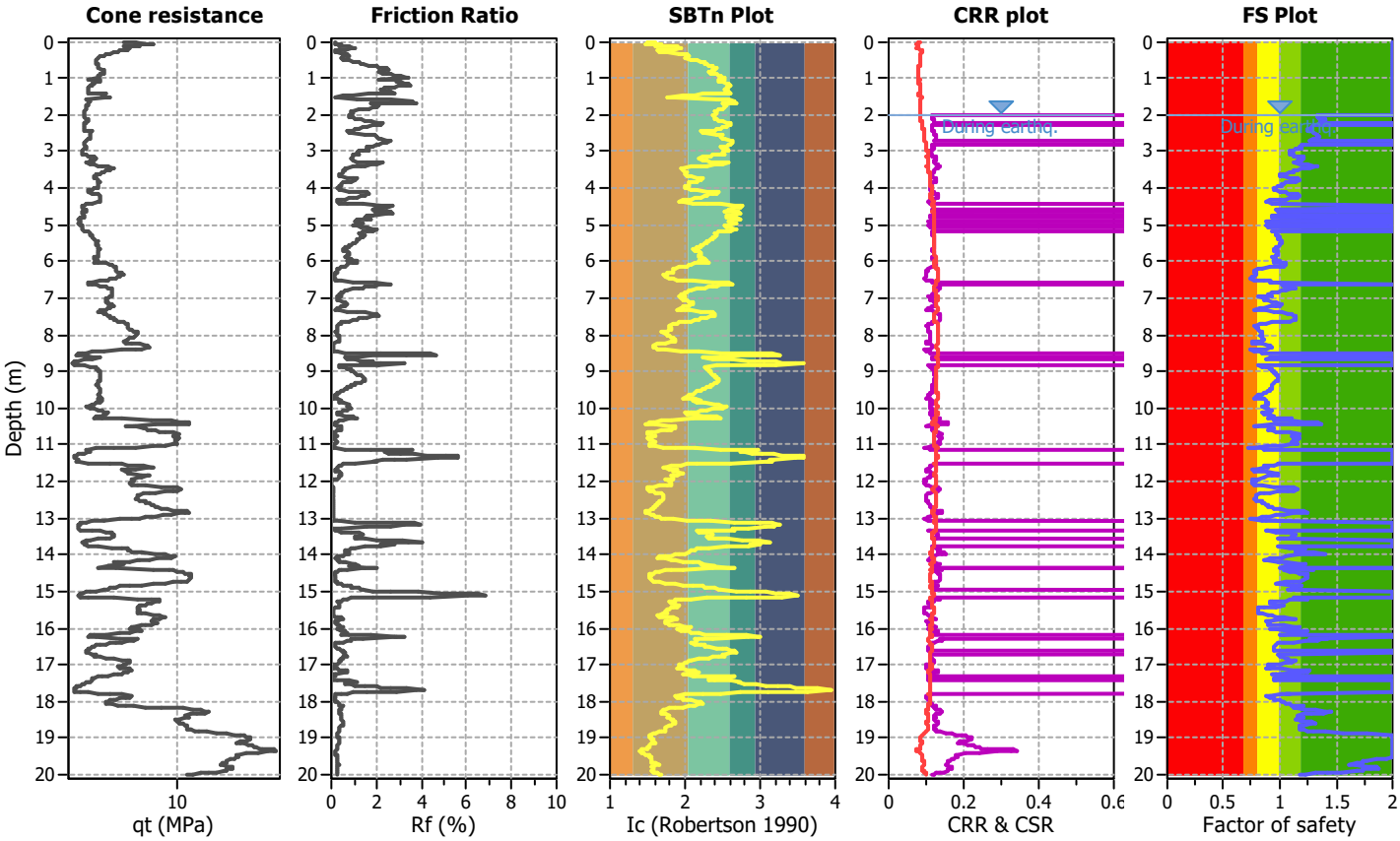
LIQUEFACTION ANALYSIS REPORT

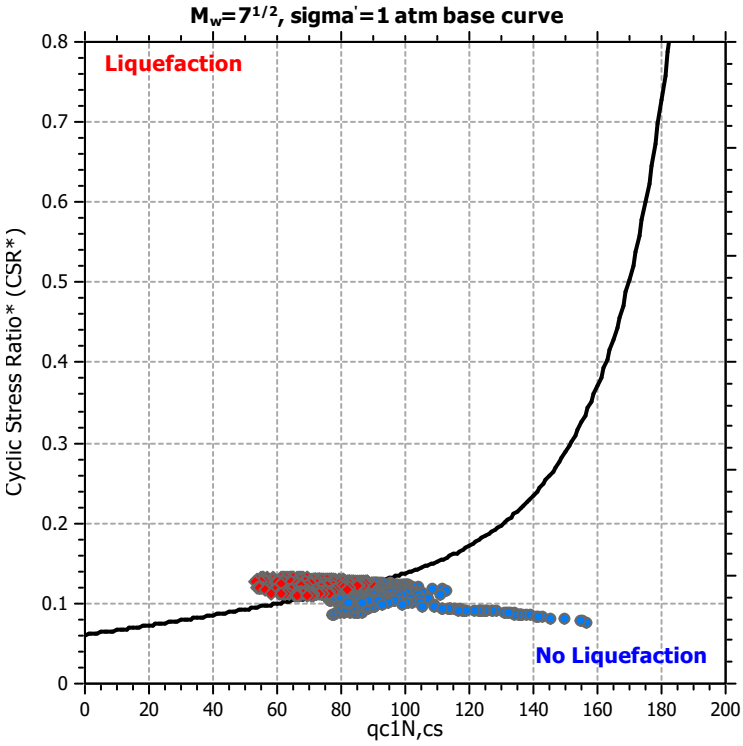
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

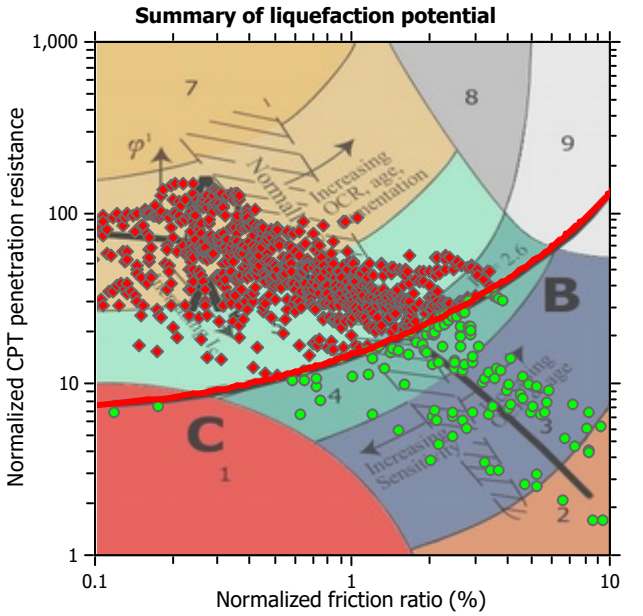
CPT file : P265

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

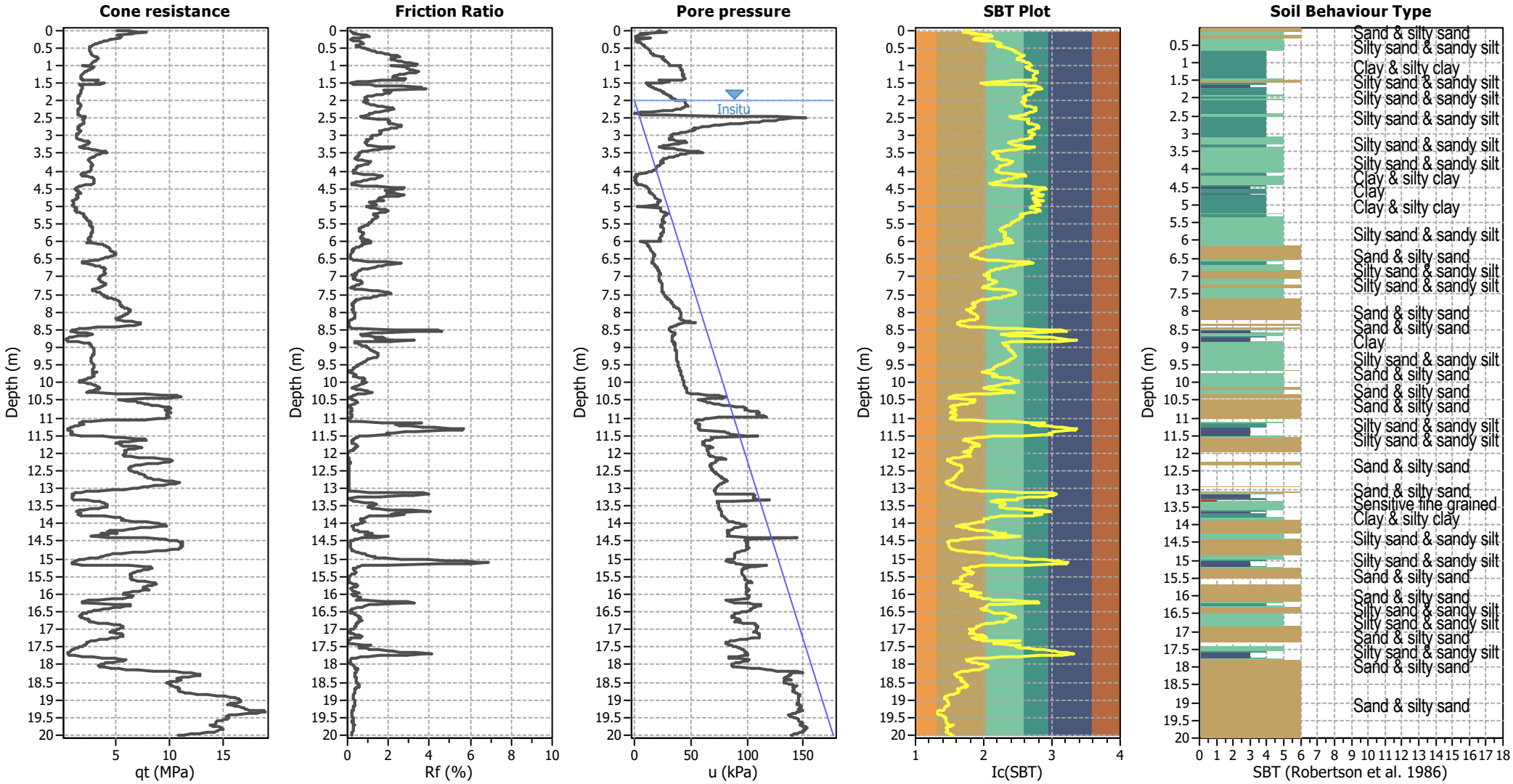






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



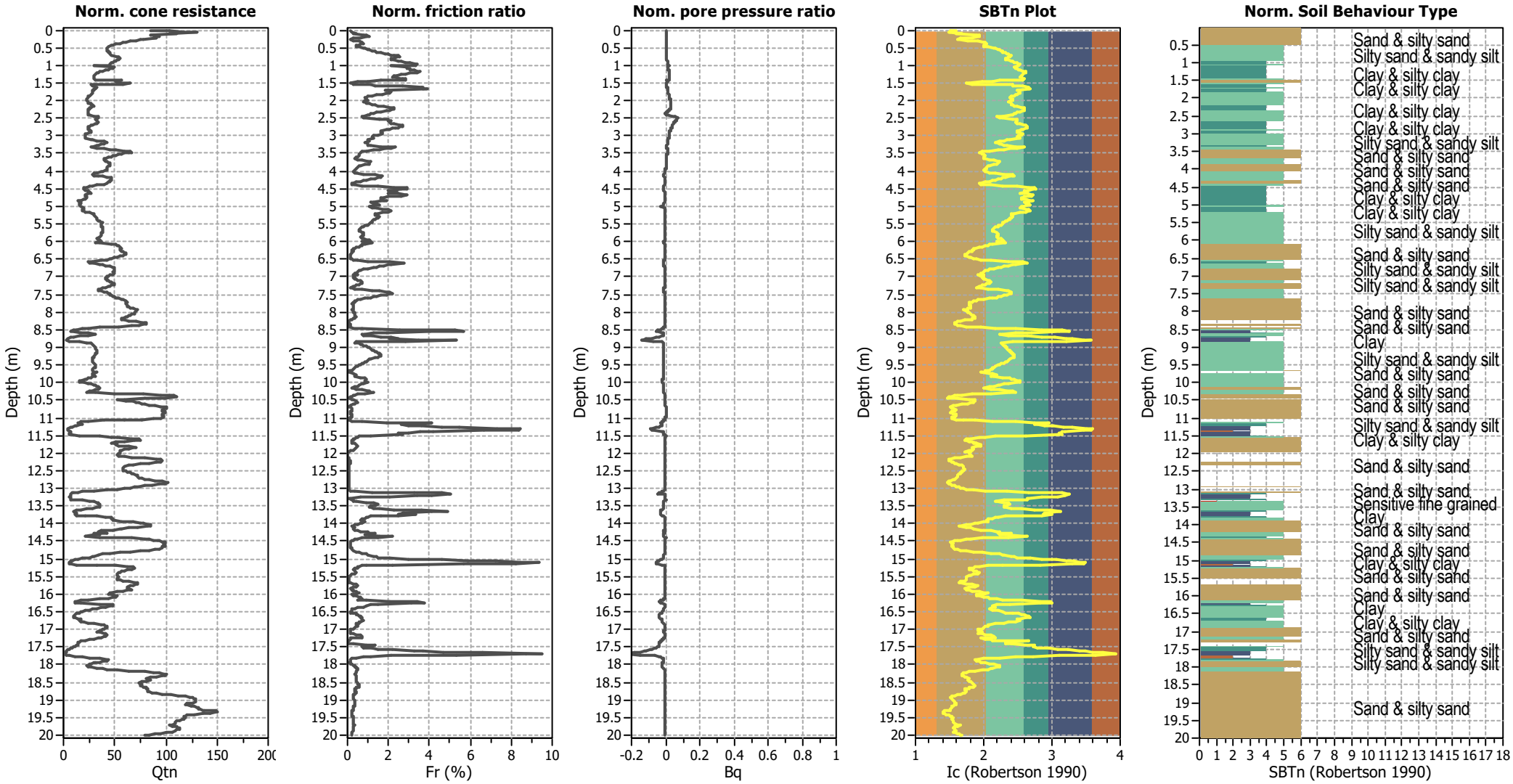
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



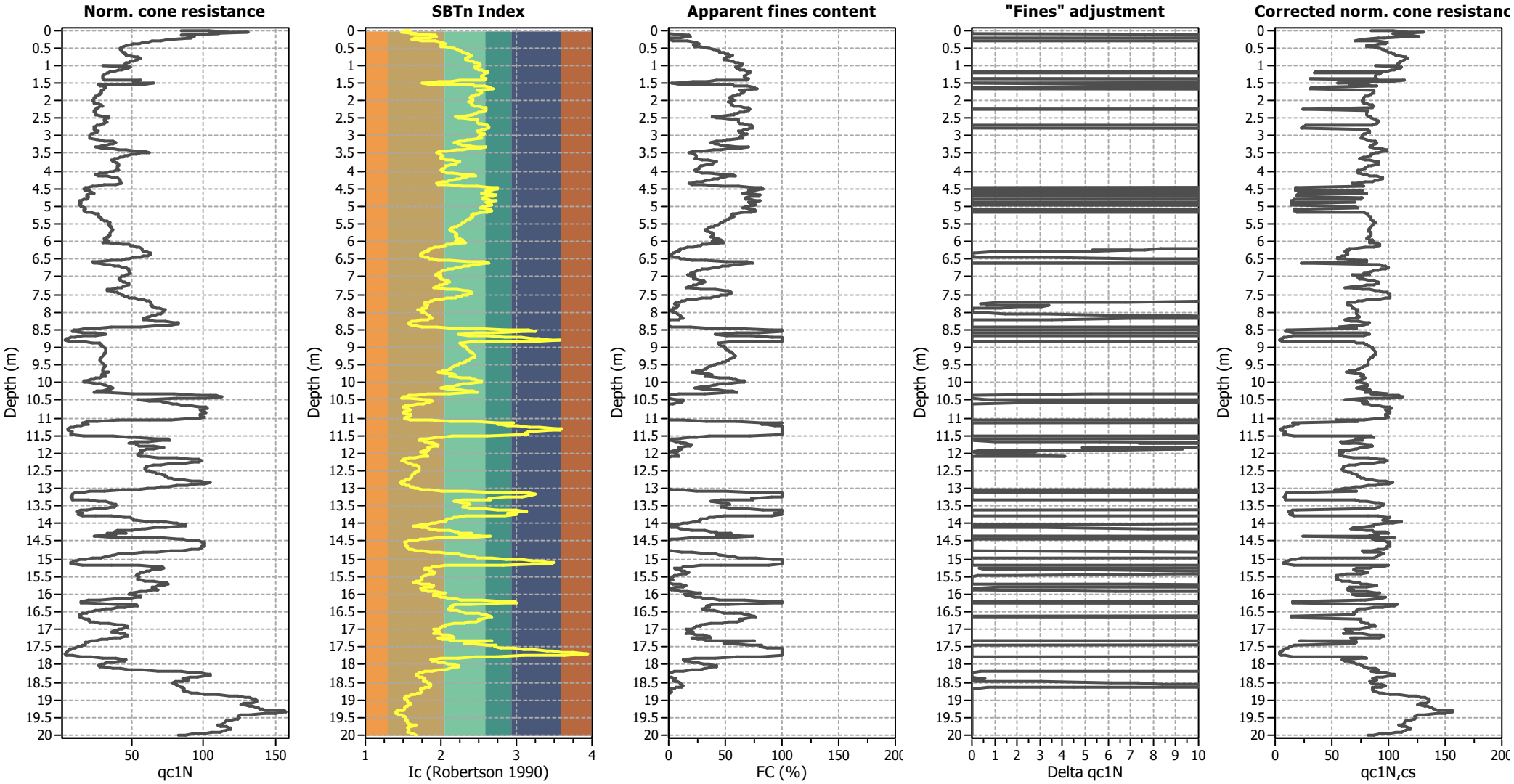
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

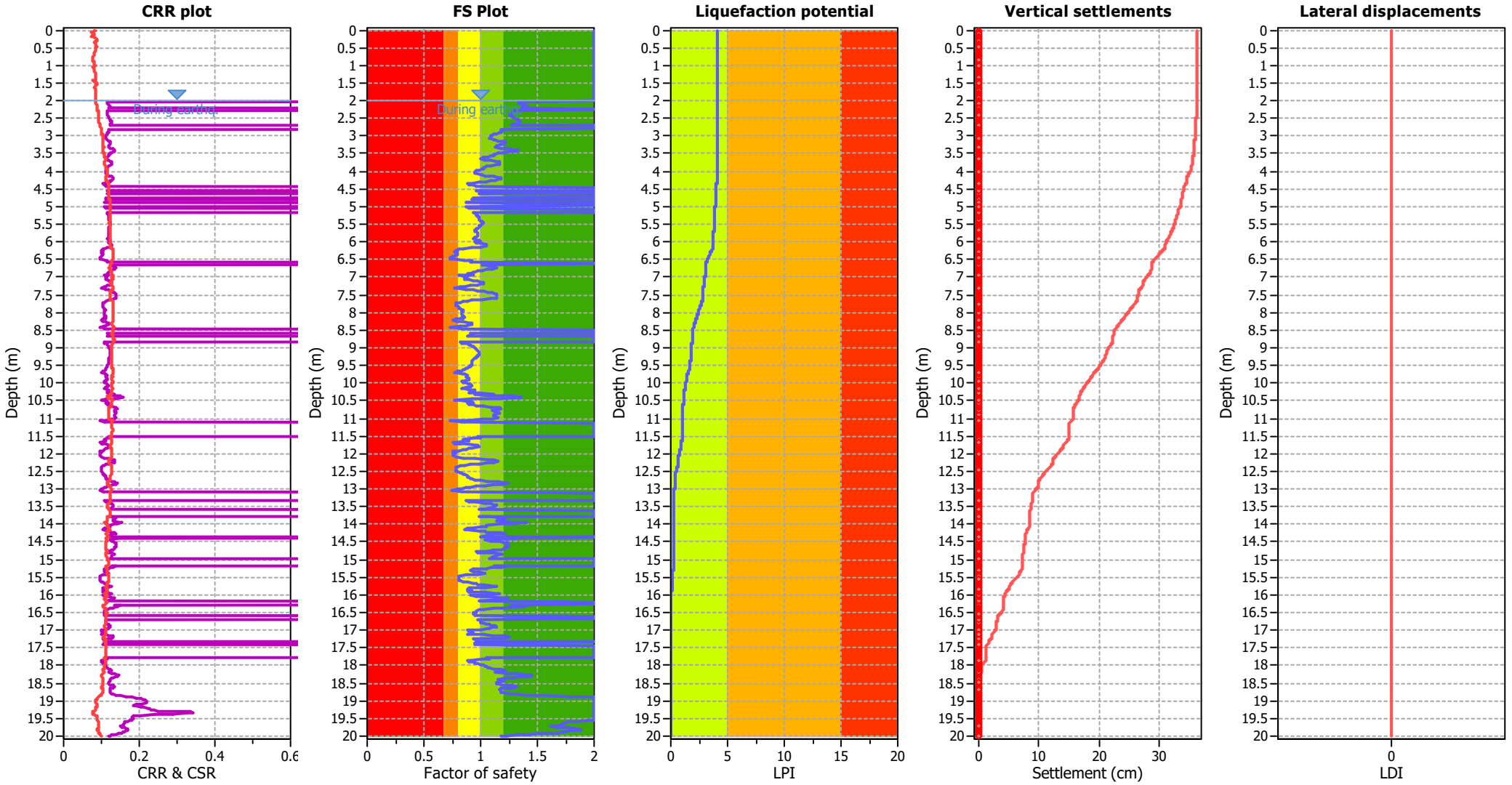
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

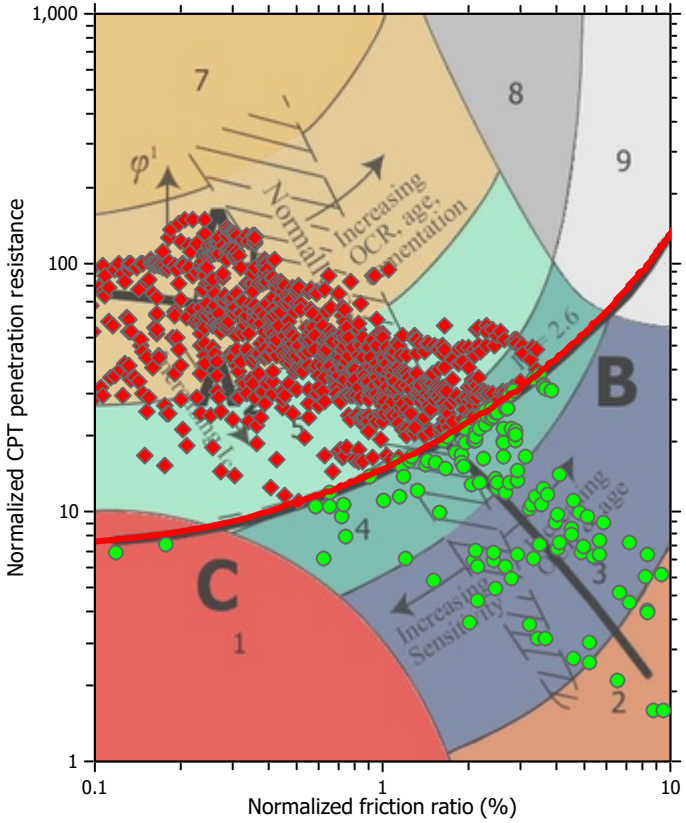
F.S. color scheme

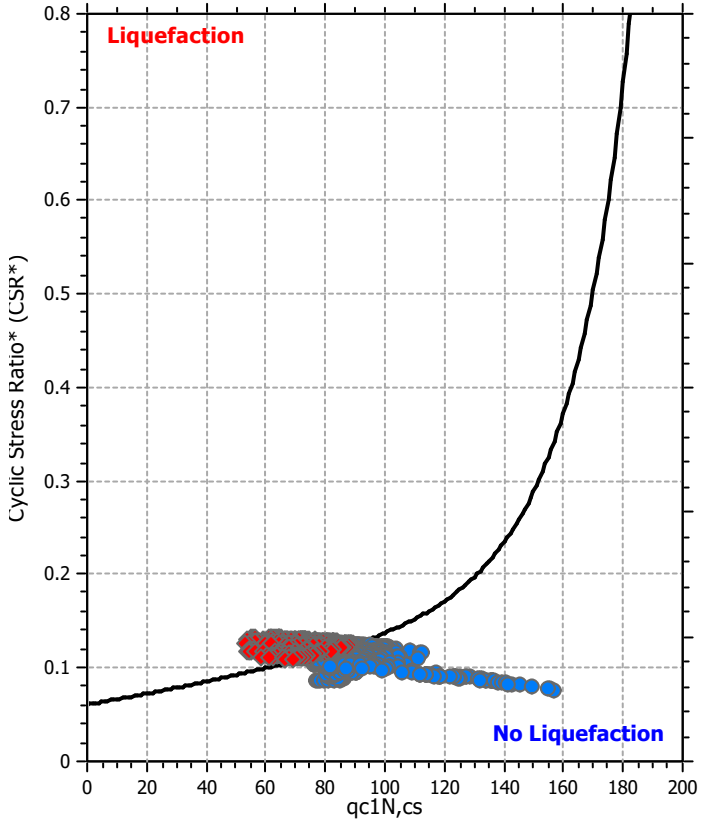
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

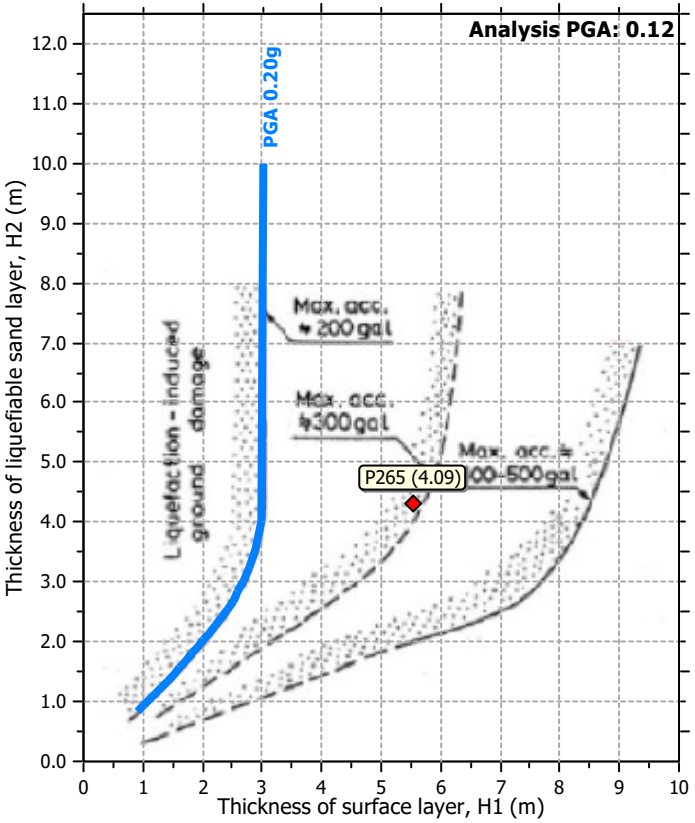
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



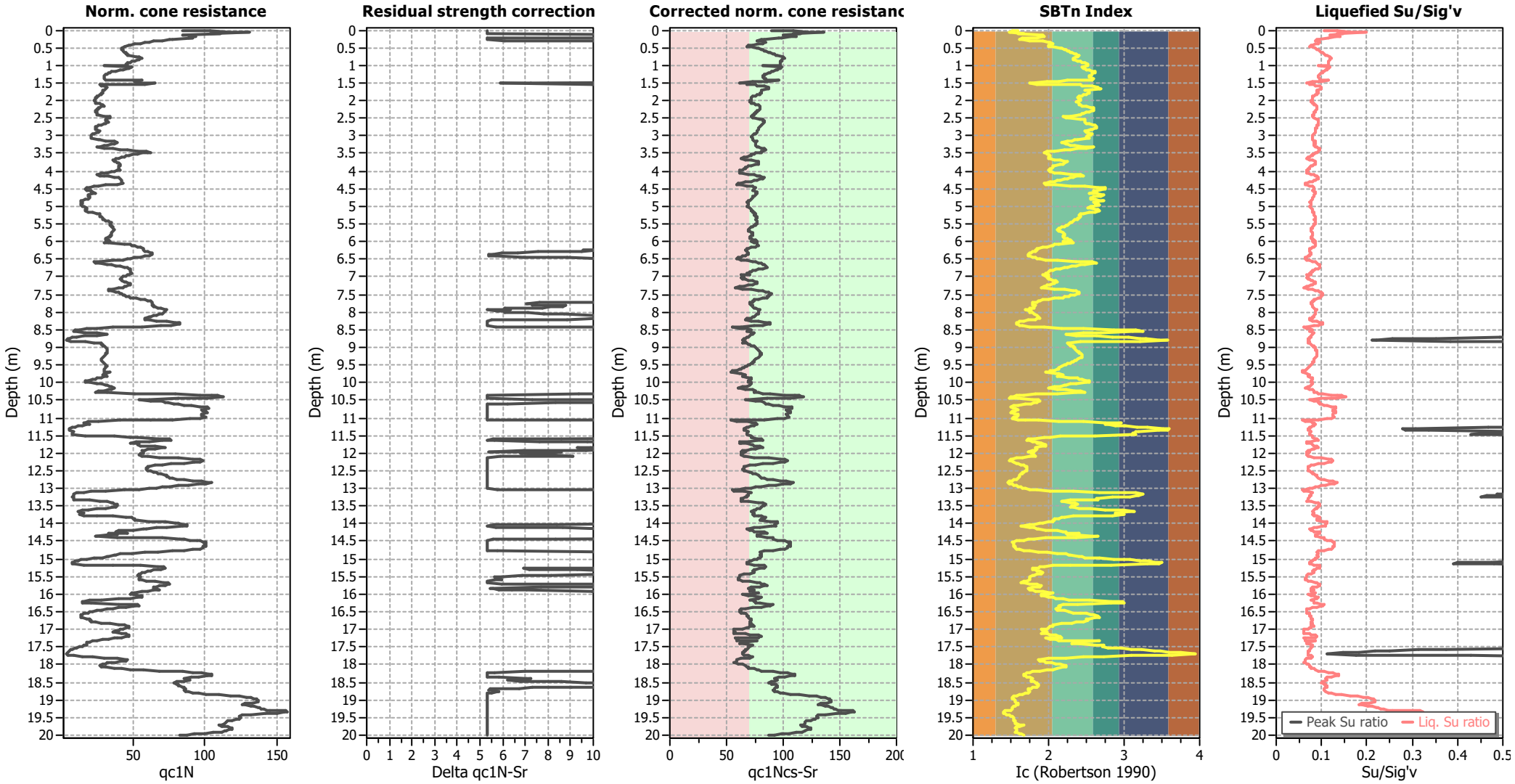




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.33	0.00	0.00	0.02	0.00	2.04	1.33	0.00	0.00	0.02	0.00
2.06	1.33	0.00	0.00	0.02	0.00	2.08	1.34	0.00	0.00	0.02	0.00
2.10	1.35	0.00	0.00	0.02	0.00	2.12	1.37	0.00	0.00	0.02	0.00
2.14	1.40	0.00	0.00	0.02	0.00	2.16	1.41	0.00	0.00	0.02	0.00
2.18	1.39	0.00	0.00	0.02	0.00	2.20	1.38	0.00	0.00	0.02	0.00
2.22	1.36	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	1.31	0.00	0.00	0.02	0.00
2.30	1.30	0.00	0.00	0.02	0.00	2.32	1.28	0.00	0.00	0.02	0.00
2.34	1.28	0.00	0.00	0.02	0.00	2.36	1.27	0.00	0.00	0.02	0.00
2.38	1.26	0.00	0.00	0.02	0.00	2.40	1.25	0.00	0.00	0.02	0.00
2.42	1.25	0.00	0.00	0.02	0.00	2.44	1.26	0.00	0.00	0.02	0.00
2.46	1.29	0.00	0.00	0.02	0.00	2.48	1.29	0.00	0.00	0.02	0.00
2.50	1.29	0.00	0.00	0.02	0.00	2.52	1.33	0.00	0.00	0.02	0.00
2.54	1.33	0.00	0.00	0.02	0.00	2.56	1.34	0.00	0.00	0.02	0.00
2.58	1.35	0.00	0.00	0.02	0.00	2.60	1.35	0.00	0.00	0.02	0.00
2.62	1.34	0.00	0.00	0.02	0.00	2.64	1.32	0.00	0.00	0.02	0.00
2.66	1.30	0.00	0.00	0.02	0.00	2.68	1.27	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	1.18	0.00	0.00	0.02	0.00	2.84	1.19	0.00	0.00	0.02	0.00
2.86	1.18	0.00	0.00	0.02	0.00	2.88	1.19	0.00	0.00	0.02	0.00
2.90	1.19	0.00	0.00	0.02	0.00	2.92	1.16	0.00	0.00	0.02	0.00
2.94	1.14	0.00	0.00	0.02	0.00	2.96	1.12	0.00	0.00	0.02	0.00
2.98	1.10	0.00	0.00	0.02	0.00	3.00	1.10	0.00	0.00	0.02	0.00
3.02	1.09	0.00	0.00	0.02	0.00	3.04	1.09	0.00	0.00	0.02	0.00
3.06	1.08	0.00	0.00	0.02	0.00	3.08	1.09	0.00	0.00	0.02	0.00
3.10	1.12	0.00	0.00	0.02	0.00	3.12	1.13	0.00	0.00	0.02	0.00
3.14	1.16	0.00	0.00	0.02	0.00	3.16	1.22	0.00	0.00	0.02	0.00
3.18	1.21	0.00	0.00	0.02	0.00	3.20	1.22	0.00	0.00	0.02	0.00
3.22	1.20	0.00	0.00	0.02	0.00	3.24	1.18	0.00	0.00	0.02	0.00
3.26	1.16	0.00	0.00	0.02	0.00	3.28	1.15	0.00	0.00	0.02	0.00
3.30	1.13	0.00	0.00	0.02	0.00	3.32	1.12	0.00	0.00	0.02	0.00
3.34	1.18	0.00	0.00	0.02	0.00	3.36	1.25	0.00	0.00	0.02	0.00
3.38	1.30	0.00	0.00	0.02	0.00	3.40	1.33	0.00	0.00	0.02	0.00
3.42	1.32	0.00	0.00	0.02	0.00	3.44	1.26	0.00	0.00	0.02	0.00
3.46	1.20	0.00	0.00	0.02	0.00	3.48	1.19	0.00	0.00	0.02	0.00
3.50	1.16	0.00	0.00	0.02	0.00	3.52	1.13	0.00	0.00	0.02	0.00
3.54	1.12	0.00	0.00	0.02	0.00	3.56	1.12	0.00	0.00	0.02	0.00
3.58	1.09	0.00	0.00	0.02	0.00	3.60	1.06	0.00	0.00	0.02	0.00
3.62	1.03	0.00	0.00	0.02	0.00	3.64	1.00	0.00	0.00	0.02	0.00
3.66	1.00	0.00	0.00	0.02	0.00	3.68	1.04	0.00	0.00	0.02	0.00
3.70	1.09	0.00	0.00	0.02	0.00	3.72	1.15	0.00	0.00	0.02	0.00
3.74	1.16	0.00	0.00	0.02	0.00	3.76	1.17	0.00	0.00	0.02	0.00
3.78	1.17	0.00	0.00	0.02	0.00	3.80	1.17	0.00	0.00	0.02	0.00
3.82	1.14	0.00	0.00	0.02	0.00	3.84	1.09	0.00	0.00	0.02	0.00
3.86	1.05	0.00	0.00	0.02	0.00	3.88	1.03	0.00	0.00	0.02	0.00
3.90	1.03	0.00	0.00	0.02	0.00	3.92	1.02	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	1.01	0.00	0.00	0.02	0.00	3.96	0.98	0.00	0.00	0.02	0.00
3.98	0.96	0.00	0.00	0.02	0.01	4.00	0.95	0.00	0.00	0.02	0.01
4.02	0.95	0.00	0.00	0.02	0.01	4.04	0.95	0.00	0.00	0.02	0.01
4.06	0.96	0.00	0.00	0.02	0.01	4.08	1.00	0.00	0.00	0.02	0.00
4.10	1.02	0.00	0.00	0.02	0.00	4.12	1.04	0.00	0.00	0.02	0.00
4.14	1.08	0.00	0.00	0.02	0.00	4.16	1.11	0.00	0.00	0.02	0.00
4.18	1.15	0.00	0.00	0.02	0.00	4.20	1.18	0.00	0.00	0.02	0.00
4.22	1.18	0.00	0.00	0.02	0.00	4.24	1.15	0.00	0.00	0.02	0.00
4.26	1.13	0.00	0.00	0.02	0.00	4.28	1.10	0.00	0.00	0.02	0.00
4.30	1.06	0.00	0.00	0.02	0.00	4.32	0.99	0.00	0.00	0.02	0.00
4.34	0.92	0.00	0.00	0.02	0.01	4.36	0.88	0.00	0.00	0.02	0.02
4.38	0.89	0.00	0.00	0.02	0.02	4.40	0.94	0.00	0.00	0.02	0.01
4.42	0.96	0.00	0.00	0.02	0.01	4.44	0.97	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	0.96	0.00	0.00	0.02	0.01
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	0.99	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	0.94	0.00	0.00	0.02	0.01	4.76	0.93	0.00	0.00	0.02	0.01
4.78	0.93	0.00	0.00	0.02	0.01	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	0.88	0.00	0.00	0.02	0.02	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	0.87	0.00	0.00	0.02	0.02
5.02	0.87	0.00	0.00	0.02	0.02	5.04	0.90	0.00	0.00	0.02	0.02
5.06	0.90	0.00	0.00	0.02	0.02	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	0.94	0.00	0.00	0.02	0.01	5.20	0.96	0.00	0.00	0.02	0.01
5.22	0.97	0.00	0.00	0.02	0.01	5.24	0.97	0.00	0.00	0.02	0.00
5.26	0.97	0.00	0.00	0.02	0.00	5.28	0.98	0.00	0.00	0.02	0.00
5.30	0.99	0.00	0.00	0.02	0.00	5.32	0.99	0.00	0.00	0.02	0.00
5.34	0.99	0.00	0.00	0.02	0.00	5.36	0.99	0.00	0.00	0.02	0.00
5.38	0.99	0.00	0.00	0.02	0.00	5.40	1.00	0.00	0.00	0.02	0.00
5.42	1.01	0.00	0.00	0.02	0.00	5.44	1.02	0.00	0.00	0.02	0.00
5.46	1.02	0.00	0.00	0.02	0.00	5.48	1.01	0.00	0.00	0.02	0.00
5.50	1.01	0.00	0.00	0.02	0.00	5.52	1.00	0.00	0.00	0.02	0.00
5.54	1.00	0.00	0.00	0.02	0.00	5.56	0.99	0.00	0.00	0.02	0.00
5.58	0.98	0.00	0.00	0.02	0.00	5.60	0.98	0.00	0.00	0.02	0.00
5.62	0.97	0.00	0.00	0.02	0.00	5.64	0.96	0.00	0.00	0.02	0.01
5.66	0.96	0.00	0.00	0.02	0.01	5.68	0.95	0.00	0.00	0.02	0.01
5.70	0.95	0.00	0.00	0.02	0.01	5.72	0.97	0.00	0.00	0.02	0.00
5.74	0.98	0.00	0.00	0.02	0.00	5.76	0.98	0.00	0.00	0.02	0.00
5.78	0.98	0.00	0.00	0.02	0.00	5.80	0.98	0.00	0.00	0.02	0.00
5.82	0.97	0.00	0.00	0.02	0.00	5.84	0.97	0.00	0.00	0.02	0.00
5.86	0.96	0.00	0.00	0.02	0.01	5.88	0.95	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.94	0.00	0.00	0.02	0.01	5.92	0.95	0.00	0.00	0.02	0.01
5.94	0.96	0.00	0.00	0.02	0.01	5.96	0.99	0.00	0.00	0.02	0.00
5.98	1.00	0.00	0.00	0.02	0.00	6.00	0.95	0.00	0.00	0.02	0.01
6.02	0.96	0.00	0.00	0.02	0.01	6.04	1.00	0.00	0.00	0.02	0.00
6.06	1.05	0.00	0.00	0.02	0.00	6.08	1.05	0.00	0.00	0.02	0.00
6.10	1.05	0.00	0.00	0.02	0.00	6.12	1.04	0.00	0.00	0.02	0.00
6.14	1.00	0.00	0.00	0.02	0.00	6.16	0.92	0.00	0.00	0.02	0.01
6.18	0.84	0.00	0.00	0.02	0.02	6.20	0.80	0.00	0.00	0.02	0.03
6.22	0.80	0.00	0.00	0.02	0.03	6.24	0.78	0.00	0.00	0.02	0.03
6.26	0.79	0.00	0.00	0.02	0.03	6.28	0.79	0.00	0.00	0.02	0.03
6.30	0.77	0.00	0.00	0.02	0.03	6.32	0.78	0.00	0.00	0.02	0.03
6.34	0.79	0.00	0.00	0.02	0.03	6.36	0.79	0.00	0.00	0.02	0.03
6.38	0.78	0.00	0.00	0.02	0.03	6.40	0.77	0.00	0.00	0.02	0.03
6.42	0.75	0.00	0.00	0.02	0.03	6.44	0.73	0.00	0.00	0.02	0.04
6.46	0.73	0.00	0.00	0.02	0.04	6.48	0.73	0.00	0.00	0.02	0.04
6.50	0.77	0.00	0.00	0.02	0.03	6.52	0.85	0.00	0.00	0.02	0.02
6.54	0.92	0.00	0.00	0.02	0.01	6.56	0.92	0.00	0.00	0.02	0.01
6.58	0.91	0.00	0.00	0.02	0.01	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	1.01	0.00	0.00	0.02	0.00
6.66	1.04	0.00	0.00	0.02	0.00	6.68	1.07	0.00	0.00	0.02	0.00
6.70	1.10	0.00	0.00	0.02	0.00	6.72	1.13	0.00	0.00	0.02	0.00
6.74	1.14	0.00	0.00	0.02	0.00	6.76	1.10	0.00	0.00	0.02	0.00
6.78	1.05	0.00	0.00	0.02	0.00	6.80	1.01	0.00	0.00	0.02	0.00
6.82	0.98	0.00	0.00	0.02	0.00	6.84	0.95	0.00	0.00	0.02	0.01
6.86	0.94	0.00	0.00	0.02	0.01	6.88	0.91	0.00	0.00	0.02	0.01
6.90	0.89	0.00	0.00	0.02	0.01	6.92	0.91	0.00	0.00	0.02	0.01
6.94	0.93	0.00	0.00	0.02	0.01	6.96	0.81	0.00	0.00	0.02	0.02
6.98	0.85	0.00	0.00	0.02	0.02	7.00	0.88	0.00	0.00	0.02	0.01
7.02	0.88	0.00	0.00	0.02	0.02	7.04	0.85	0.00	0.00	0.02	0.02
7.06	0.86	0.00	0.00	0.02	0.02	7.08	0.89	0.00	0.00	0.02	0.01
7.10	0.94	0.00	0.00	0.02	0.01	7.12	0.97	0.00	0.00	0.02	0.00
7.14	1.01	0.00	0.00	0.02	0.00	7.16	1.02	0.00	0.00	0.02	0.00
7.18	1.02	0.00	0.00	0.02	0.00	7.20	1.00	0.00	0.00	0.02	0.00
7.22	0.97	0.00	0.00	0.02	0.00	7.24	0.91	0.00	0.00	0.02	0.01
7.26	0.86	0.00	0.00	0.02	0.02	7.28	0.82	0.00	0.00	0.02	0.02
7.30	0.76	0.00	0.00	0.02	0.03	7.32	0.80	0.00	0.00	0.02	0.03
7.34	0.88	0.00	0.00	0.02	0.02	7.36	0.94	0.00	0.00	0.02	0.01
7.38	0.98	0.00	0.00	0.02	0.00	7.40	1.02	0.00	0.00	0.02	0.00
7.42	1.07	0.00	0.00	0.02	0.00	7.44	1.11	0.00	0.00	0.02	0.00
7.46	1.13	0.00	0.00	0.02	0.00	7.48	1.14	0.00	0.00	0.02	0.00
7.50	1.14	0.00	0.00	0.02	0.00	7.52	1.14	0.00	0.00	0.02	0.00
7.54	1.14	0.00	0.00	0.02	0.00	7.56	1.14	0.00	0.00	0.02	0.00
7.58	1.14	0.00	0.00	0.02	0.00	7.60	1.12	0.00	0.00	0.02	0.00
7.62	1.09	0.00	0.00	0.02	0.00	7.64	1.02	0.00	0.00	0.02	0.00
7.66	0.93	0.00	0.00	0.02	0.01	7.68	0.88	0.00	0.00	0.02	0.01
7.70	0.84	0.00	0.00	0.02	0.02	7.72	0.82	0.00	0.00	0.02	0.02
7.74	0.78	0.00	0.00	0.02	0.03	7.76	0.78	0.00	0.00	0.02	0.03
7.78	0.78	0.00	0.00	0.02	0.03	7.80	0.78	0.00	0.00	0.02	0.03
7.82	0.80	0.00	0.00	0.02	0.02	7.84	0.80	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	0.80	0.00	0.00	0.02	0.02	7.88	0.81	0.00	0.00	0.02	0.02
7.90	0.82	0.00	0.00	0.02	0.02	7.92	0.84	0.00	0.00	0.02	0.02
7.94	0.85	0.00	0.00	0.02	0.02	7.96	0.84	0.00	0.00	0.02	0.02
7.98	0.84	0.00	0.00	0.02	0.02	8.00	0.83	0.00	0.00	0.02	0.02
8.02	0.83	0.00	0.00	0.02	0.02	8.04	0.83	0.00	0.00	0.02	0.02
8.06	0.83	0.00	0.00	0.02	0.02	8.08	0.84	0.00	0.00	0.02	0.02
8.10	0.85	0.00	0.00	0.02	0.02	8.12	0.86	0.00	0.00	0.02	0.02
8.14	0.84	0.00	0.00	0.02	0.02	8.16	0.85	0.00	0.00	0.02	0.02
8.18	0.78	0.00	0.00	0.02	0.03	8.20	0.76	0.00	0.00	0.02	0.03
8.22	0.76	0.00	0.00	0.02	0.03	8.24	0.79	0.00	0.00	0.02	0.02
8.26	0.85	0.00	0.00	0.02	0.02	8.28	0.90	0.00	0.00	0.02	0.01
8.30	0.92	0.00	0.00	0.02	0.01	8.32	0.93	0.00	0.00	0.02	0.01
8.34	0.93	0.00	0.00	0.02	0.01	8.36	0.91	0.00	0.00	0.02	0.01
8.38	0.87	0.00	0.00	0.02	0.02	8.40	0.82	0.00	0.00	0.02	0.02
8.42	0.73	0.00	0.00	0.02	0.03	8.44	0.77	0.00	0.00	0.02	0.03
8.46	0.83	0.00	0.00	0.02	0.02	8.48	0.84	0.00	0.00	0.02	0.02
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	0.90	0.00	0.00	0.02	0.01
8.62	0.94	0.00	0.00	0.02	0.01	8.64	0.92	0.00	0.00	0.02	0.01
8.66	0.88	0.00	0.00	0.02	0.01	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	0.82	0.00	0.00	0.02	0.02
8.86	0.84	0.00	0.00	0.02	0.02	8.88	0.88	0.00	0.00	0.02	0.01
8.90	0.89	0.00	0.00	0.02	0.01	8.92	0.91	0.00	0.00	0.02	0.01
8.94	0.92	0.00	0.00	0.02	0.01	8.96	0.93	0.00	0.00	0.02	0.01
8.98	0.94	0.00	0.00	0.02	0.01	9.00	0.95	0.00	0.00	0.02	0.01
9.02	0.95	0.00	0.00	0.02	0.01	9.04	0.96	0.00	0.00	0.02	0.00
9.06	0.97	0.00	0.00	0.02	0.00	9.08	0.97	0.00	0.00	0.02	0.00
9.10	0.98	0.00	0.00	0.02	0.00	9.12	0.98	0.00	0.00	0.02	0.00
9.14	0.98	0.00	0.00	0.02	0.00	9.16	0.98	0.00	0.00	0.02	0.00
9.18	0.98	0.00	0.00	0.02	0.00	9.20	0.98	0.00	0.00	0.02	0.00
9.22	0.98	0.00	0.00	0.02	0.00	9.24	0.98	0.00	0.00	0.02	0.00
9.26	0.97	0.00	0.00	0.02	0.00	9.28	0.96	0.00	0.00	0.02	0.00
9.30	0.95	0.00	0.00	0.02	0.01	9.32	0.94	0.00	0.00	0.02	0.01
9.34	0.93	0.00	0.00	0.02	0.01	9.36	0.93	0.00	0.00	0.02	0.01
9.38	0.93	0.00	0.00	0.02	0.01	9.40	0.93	0.00	0.00	0.02	0.01
9.42	0.93	0.00	0.00	0.02	0.01	9.44	0.93	0.00	0.00	0.02	0.01
9.46	0.92	0.00	0.00	0.02	0.01	9.48	0.92	0.00	0.00	0.02	0.01
9.50	0.91	0.00	0.00	0.02	0.01	9.52	0.90	0.00	0.00	0.02	0.01
9.54	0.89	0.00	0.00	0.02	0.01	9.56	0.88	0.00	0.00	0.02	0.01
9.58	0.87	0.00	0.00	0.02	0.01	9.60	0.86	0.00	0.00	0.02	0.01
9.62	0.85	0.00	0.00	0.02	0.02	9.64	0.83	0.00	0.00	0.02	0.02
9.66	0.81	0.00	0.00	0.02	0.02	9.68	0.79	0.00	0.00	0.02	0.02
9.70	0.79	0.00	0.00	0.02	0.02	9.72	0.77	0.00	0.00	0.02	0.02
9.74	0.85	0.00	0.00	0.02	0.02	9.76	0.86	0.00	0.00	0.02	0.01
9.78	0.89	0.00	0.00	0.02	0.01	9.80	0.88	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	0.87	0.00	0.00	0.02	0.01	9.84	0.87	0.00	0.00	0.02	0.01
9.86	0.90	0.00	0.00	0.02	0.01	9.88	0.90	0.00	0.00	0.02	0.01
9.90	0.89	0.00	0.00	0.02	0.01	9.92	0.88	0.00	0.00	0.02	0.01
9.94	0.85	0.00	0.00	0.02	0.01	9.96	0.84	0.00	0.00	0.02	0.02
9.98	0.84	0.00	0.00	0.02	0.02	10.00	0.87	0.00	0.00	0.02	0.01
10.02	0.90	0.00	0.00	0.02	0.01	10.04	0.92	0.00	0.00	0.02	0.01
10.06	0.92	0.00	0.00	0.02	0.01	10.08	0.93	0.00	0.00	0.02	0.01
10.10	0.91	0.00	0.00	0.02	0.01	10.12	0.88	0.00	0.00	0.02	0.01
10.14	0.84	0.00	0.00	0.02	0.02	10.16	0.85	0.00	0.00	0.02	0.01
10.18	0.90	0.00	0.00	0.02	0.01	10.20	0.94	0.00	0.00	0.02	0.01
10.22	0.95	0.00	0.00	0.02	0.01	10.24	0.92	0.00	0.00	0.02	0.01
10.26	0.90	0.00	0.00	0.02	0.01	10.28	0.98	0.00	0.00	0.02	0.00
10.30	1.11	0.00	0.00	0.02	0.00	10.32	0.95	0.00	0.00	0.02	0.00
10.34	1.09	0.00	0.00	0.02	0.00	10.36	1.20	0.00	0.00	0.02	0.00
10.38	1.28	0.00	0.00	0.02	0.00	10.40	1.34	0.00	0.00	0.02	0.00
10.42	1.36	0.00	0.00	0.02	0.00	10.44	1.16	0.00	0.00	0.02	0.00
10.46	0.92	0.00	0.00	0.02	0.01	10.48	0.77	0.00	0.00	0.02	0.02
10.50	0.81	0.00	0.00	0.02	0.02	10.52	0.90	0.00	0.00	0.02	0.01
10.54	0.92	0.00	0.00	0.02	0.01	10.56	0.94	0.00	0.00	0.02	0.01
10.58	0.89	0.00	0.00	0.02	0.01	10.60	0.90	0.00	0.00	0.02	0.01
10.62	0.93	0.00	0.00	0.02	0.01	10.64	0.97	0.00	0.00	0.02	0.00
10.66	1.02	0.00	0.00	0.02	0.00	10.68	1.09	0.00	0.00	0.02	0.00
10.70	1.17	0.00	0.00	0.02	0.00	10.72	1.18	0.00	0.00	0.02	0.00
10.74	1.16	0.00	0.00	0.02	0.00	10.76	1.12	0.00	0.00	0.02	0.00
10.78	1.11	0.00	0.00	0.02	0.00	10.80	1.12	0.00	0.00	0.02	0.00
10.82	1.16	0.00	0.00	0.02	0.00	10.84	1.17	0.00	0.00	0.02	0.00
10.86	1.15	0.00	0.00	0.02	0.00	10.88	1.12	0.00	0.00	0.02	0.00
10.90	1.11	0.00	0.00	0.02	0.00	10.92	1.12	0.00	0.00	0.02	0.00
10.94	1.13	0.00	0.00	0.02	0.00	10.96	1.15	0.00	0.00	0.02	0.00
10.98	1.15	0.00	0.00	0.02	0.00	11.00	1.10	0.00	0.00	0.02	0.00
11.02	1.02	0.00	0.00	0.02	0.00	11.04	0.90	0.00	0.00	0.02	0.01
11.06	0.78	0.00	0.00	0.02	0.02	11.08	0.73	0.00	0.00	0.02	0.02
11.10	0.84	0.00	0.00	0.02	0.01	11.12	0.86	0.00	0.00	0.02	0.01
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	0.98	0.00	0.00	0.02	0.00
11.54	1.00	0.00	0.00	0.02	0.00	11.56	0.94	0.00	0.00	0.02	0.01
11.58	0.85	0.00	0.00	0.02	0.01	11.60	0.89	0.00	0.00	0.02	0.01
11.62	0.90	0.00	0.00	0.02	0.01	11.64	0.85	0.00	0.00	0.02	0.01
11.66	0.79	0.00	0.00	0.02	0.02	11.68	0.76	0.00	0.00	0.02	0.02
11.70	0.82	0.00	0.00	0.02	0.02	11.72	0.77	0.00	0.00	0.02	0.02
11.74	0.87	0.00	0.00	0.02	0.01	11.76	0.96	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	0.98	0.00	0.00	0.02	0.00	11.80	0.99	0.00	0.00	0.02	0.00
11.82	0.99	0.00	0.00	0.02	0.00	11.84	0.93	0.00	0.00	0.02	0.01
11.86	0.89	0.00	0.00	0.02	0.01	11.88	0.87	0.00	0.00	0.02	0.01
11.90	0.85	0.00	0.00	0.02	0.01	11.92	0.80	0.00	0.00	0.02	0.02
11.94	0.76	0.00	0.00	0.02	0.02	11.96	0.76	0.00	0.00	0.02	0.02
11.98	0.78	0.00	0.00	0.02	0.02	12.00	0.76	0.00	0.00	0.02	0.02
12.02	0.75	0.00	0.00	0.02	0.02	12.04	0.75	0.00	0.00	0.02	0.02
12.06	0.75	0.00	0.00	0.02	0.02	12.08	0.78	0.00	0.00	0.02	0.02
12.10	0.78	0.00	0.00	0.02	0.02	12.12	0.84	0.00	0.00	0.02	0.01
12.14	0.95	0.00	0.00	0.02	0.00	12.16	1.06	0.00	0.00	0.02	0.00
12.18	1.12	0.00	0.00	0.02	0.00	12.20	1.15	0.00	0.00	0.02	0.00
12.22	1.15	0.00	0.00	0.02	0.00	12.24	1.12	0.00	0.00	0.02	0.00
12.26	1.07	0.00	0.00	0.02	0.00	12.28	0.99	0.00	0.00	0.02	0.00
12.30	0.91	0.00	0.00	0.02	0.01	12.32	0.86	0.00	0.00	0.02	0.01
12.34	0.82	0.00	0.00	0.02	0.01	12.36	0.80	0.00	0.00	0.02	0.02
12.38	0.79	0.00	0.00	0.02	0.02	12.40	0.78	0.00	0.00	0.02	0.02
12.42	0.78	0.00	0.00	0.02	0.02	12.44	0.78	0.00	0.00	0.02	0.02
12.46	0.78	0.00	0.00	0.02	0.02	12.48	0.78	0.00	0.00	0.02	0.02
12.50	0.78	0.00	0.00	0.02	0.02	12.52	0.80	0.00	0.00	0.02	0.02
12.54	0.82	0.00	0.00	0.02	0.01	12.56	0.83	0.00	0.00	0.02	0.01
12.58	0.84	0.00	0.00	0.02	0.01	12.60	0.86	0.00	0.00	0.02	0.01
12.62	0.88	0.00	0.00	0.02	0.01	12.64	0.89	0.00	0.00	0.02	0.01
12.66	0.89	0.00	0.00	0.02	0.01	12.68	0.90	0.00	0.00	0.02	0.01
12.70	0.91	0.00	0.00	0.02	0.01	12.72	0.92	0.00	0.00	0.02	0.01
12.74	0.95	0.00	0.00	0.02	0.00	12.76	1.00	0.00	0.00	0.02	0.00
12.78	1.07	0.00	0.00	0.02	0.00	12.80	1.15	0.00	0.00	0.02	0.00
12.82	1.21	0.00	0.00	0.02	0.00	12.84	1.25	0.00	0.00	0.02	0.00
12.86	1.19	0.00	0.00	0.02	0.00	12.88	1.11	0.00	0.00	0.02	0.00
12.90	1.04	0.00	0.00	0.02	0.00	12.92	0.96	0.00	0.00	0.02	0.00
12.94	0.91	0.00	0.00	0.02	0.01	12.96	0.87	0.00	0.00	0.02	0.01
12.98	0.83	0.00	0.00	0.02	0.01	13.00	0.80	0.00	0.00	0.02	0.01
13.02	0.76	0.00	0.00	0.02	0.02	13.04	0.74	0.00	0.00	0.02	0.02
13.06	0.84	0.00	0.00	0.02	0.01	13.08	0.88	0.00	0.00	0.02	0.01
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	0.87	0.00	0.00	0.02	0.01	13.36	0.90	0.00	0.00	0.02	0.01
13.38	0.96	0.00	0.00	0.02	0.00	13.40	1.04	0.00	0.00	0.02	0.00
13.42	1.09	0.00	0.00	0.02	0.00	13.44	1.12	0.00	0.00	0.02	0.00
13.46	1.14	0.00	0.00	0.02	0.00	13.48	1.13	0.00	0.00	0.02	0.00
13.50	1.12	0.00	0.00	0.02	0.00	13.52	1.10	0.00	0.00	0.02	0.00
13.54	1.08	0.00	0.00	0.02	0.00	13.56	1.04	0.00	0.00	0.02	0.00
13.58	0.98	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	0.99	0.00	0.00	0.02	0.00	13.80	1.09	0.00	0.00	0.02	0.00
13.82	1.18	0.00	0.00	0.02	0.00	13.84	1.22	0.00	0.00	0.02	0.00
13.86	1.20	0.00	0.00	0.02	0.00	13.88	1.15	0.00	0.00	0.02	0.00
13.90	1.14	0.00	0.00	0.02	0.00	13.92	1.14	0.00	0.00	0.02	0.00
13.94	1.30	0.00	0.00	0.02	0.00	13.96	1.41	0.00	0.00	0.02	0.00
13.98	1.27	0.00	0.00	0.02	0.00	14.00	1.17	0.00	0.00	0.02	0.00
14.02	1.05	0.00	0.00	0.02	0.00	14.04	1.05	0.00	0.00	0.02	0.00
14.06	1.06	0.00	0.00	0.02	0.00	14.08	1.02	0.00	0.00	0.02	0.00
14.10	0.92	0.00	0.00	0.02	0.00	14.12	0.88	0.00	0.00	0.02	0.01
14.14	0.86	0.00	0.00	0.02	0.01	14.16	0.87	0.00	0.00	0.02	0.01
14.18	0.98	0.00	0.00	0.02	0.00	14.20	1.04	0.00	0.00	0.02	0.00
14.22	1.05	0.00	0.00	0.02	0.00	14.24	1.18	0.00	0.00	0.02	0.00
14.26	1.22	0.00	0.00	0.02	0.00	14.28	1.09	0.00	0.00	0.02	0.00
14.30	1.11	0.00	0.00	0.02	0.00	14.32	1.06	0.00	0.00	0.02	0.00
14.34	1.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	1.18	0.00	0.00	0.02	0.00	14.40	1.30	0.00	0.00	0.02	0.00
14.42	1.04	0.00	0.00	0.02	0.00	14.44	1.04	0.00	0.00	0.02	0.00
14.46	1.09	0.00	0.00	0.02	0.00	14.48	1.15	0.00	0.00	0.02	0.00
14.50	1.17	0.00	0.00	0.02	0.00	14.52	1.20	0.00	0.00	0.02	0.00
14.54	1.24	0.00	0.00	0.02	0.00	14.56	1.25	0.00	0.00	0.02	0.00
14.58	1.23	0.00	0.00	0.02	0.00	14.60	1.23	0.00	0.00	0.02	0.00
14.62	1.25	0.00	0.00	0.02	0.00	14.64	1.25	0.00	0.00	0.02	0.00
14.66	1.22	0.00	0.00	0.02	0.00	14.68	1.21	0.00	0.00	0.02	0.00
14.70	1.21	0.00	0.00	0.02	0.00	14.72	1.18	0.00	0.00	0.02	0.00
14.74	1.12	0.00	0.00	0.02	0.00	14.76	1.05	0.00	0.00	0.02	0.00
14.78	0.97	0.00	0.00	0.02	0.00	14.80	0.98	0.00	0.00	0.02	0.00
14.82	1.13	0.00	0.00	0.02	0.00	14.84	1.19	0.00	0.00	0.02	0.00
14.86	1.16	0.00	0.00	0.02	0.00	14.88	1.14	0.00	0.00	0.02	0.00
14.90	1.12	0.00	0.00	0.02	0.00	14.92	1.11	0.00	0.00	0.02	0.00
14.94	1.10	0.00	0.00	0.02	0.00	14.96	1.07	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	1.12	0.00	0.00	0.02	0.00	15.20	1.25	0.00	0.00	0.02	0.00
15.22	1.18	0.00	0.00	0.02	0.00	15.24	1.09	0.00	0.00	0.02	0.00
15.26	1.05	0.00	0.00	0.02	0.00	15.28	0.94	0.00	0.00	0.02	0.00
15.30	0.91	0.00	0.00	0.02	0.00	15.32	0.91	0.00	0.00	0.02	0.00
15.34	0.94	0.00	0.00	0.02	0.00	15.36	0.98	0.00	0.00	0.02	0.00
15.38	1.02	0.00	0.00	0.02	0.00	15.40	1.04	0.00	0.00	0.02	0.00
15.42	0.97	0.00	0.00	0.02	0.00	15.44	0.87	0.00	0.00	0.02	0.01
15.46	0.81	0.00	0.00	0.02	0.01	15.48	0.80	0.00	0.00	0.02	0.01
15.50	0.81	0.00	0.00	0.02	0.01	15.52	0.81	0.00	0.00	0.02	0.01
15.54	0.81	0.00	0.00	0.02	0.01	15.56	0.80	0.00	0.00	0.02	0.01
15.58	0.80	0.00	0.00	0.02	0.01	15.60	0.82	0.00	0.00	0.02	0.01
15.62	0.84	0.00	0.00	0.02	0.01	15.64	0.89	0.00	0.00	0.02	0.00
15.66	0.93	0.00	0.00	0.02	0.00	15.68	0.97	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	0.97	0.00	0.00	0.02	0.00	15.72	1.03	0.00	0.00	0.02	0.00
15.74	1.12	0.00	0.00	0.02	0.00	15.76	1.14	0.00	0.00	0.02	0.00
15.78	1.04	0.00	0.00	0.02	0.00	15.80	0.89	0.00	0.00	0.02	0.00
15.82	0.88	0.00	0.00	0.02	0.01	15.84	0.89	0.00	0.00	0.02	0.00
15.86	0.92	0.00	0.00	0.02	0.00	15.88	0.91	0.00	0.00	0.02	0.00
15.90	0.89	0.00	0.00	0.02	0.00	15.92	0.90	0.00	0.00	0.02	0.00
15.94	1.04	0.00	0.00	0.02	0.00	15.96	1.12	0.00	0.00	0.02	0.00
15.98	1.17	0.00	0.00	0.02	0.00	16.00	1.06	0.00	0.00	0.02	0.00
16.02	0.92	0.00	0.00	0.02	0.00	16.04	0.97	0.00	0.00	0.02	0.00
16.06	1.07	0.00	0.00	0.02	0.00	16.08	1.19	0.00	0.00	0.02	0.00
16.10	1.24	0.00	0.00	0.02	0.00	16.12	1.20	0.00	0.00	0.02	0.00
16.14	1.15	0.00	0.00	0.02	0.00	16.16	1.03	0.00	0.00	0.02	0.00
16.18	0.99	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	1.27	0.00	0.00	0.02	0.00
16.30	1.43	0.00	0.00	0.02	0.00	16.32	1.38	0.00	0.00	0.02	0.00
16.34	1.33	0.00	0.00	0.02	0.00	16.36	1.22	0.00	0.00	0.02	0.00
16.38	1.12	0.00	0.00	0.02	0.00	16.40	1.03	0.00	0.00	0.02	0.00
16.42	0.98	0.00	0.00	0.02	0.00	16.44	0.96	0.00	0.00	0.02	0.00
16.46	0.96	0.00	0.00	0.02	0.00	16.48	0.96	0.00	0.00	0.02	0.00
16.50	0.94	0.00	0.00	0.02	0.00	16.52	0.94	0.00	0.00	0.02	0.00
16.54	0.95	0.00	0.00	0.02	0.00	16.56	0.95	0.00	0.00	0.02	0.00
16.58	0.94	0.00	0.00	0.02	0.00	16.60	0.94	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	0.98	0.00	0.00	0.02	0.00	16.72	1.00	0.00	0.00	0.02	0.00
16.74	1.00	0.00	0.00	0.02	0.00	16.76	1.00	0.00	0.00	0.02	0.00
16.78	1.00	0.00	0.00	0.02	0.00	16.80	1.02	0.00	0.00	0.02	0.00
16.82	1.05	0.00	0.00	0.02	0.00	16.84	1.07	0.00	0.00	0.02	0.00
16.86	1.09	0.00	0.00	0.02	0.00	16.88	1.13	0.00	0.00	0.02	0.00
16.90	1.14	0.00	0.00	0.02	0.00	16.92	1.10	0.00	0.00	0.02	0.00
16.94	1.08	0.00	0.00	0.02	0.00	16.96	1.06	0.00	0.00	0.02	0.00
16.98	1.00	0.00	0.00	0.02	0.00	17.00	0.89	0.00	0.00	0.02	0.00
17.02	0.89	0.00	0.00	0.02	0.00	17.04	0.91	0.00	0.00	0.02	0.00
17.06	0.94	0.00	0.00	0.02	0.00	17.08	0.91	0.00	0.00	0.02	0.00
17.10	0.89	0.00	0.00	0.02	0.00	17.12	1.02	0.00	0.00	0.02	0.00
17.14	1.10	0.00	0.00	0.02	0.00	17.16	1.22	0.00	0.00	0.02	0.00
17.18	1.26	0.00	0.00	0.02	0.00	17.20	1.24	0.00	0.00	0.02	0.00
17.22	1.21	0.00	0.00	0.02	0.00	17.24	0.97	0.00	0.00	0.02	0.00
17.26	0.93	0.00	0.00	0.02	0.00	17.28	0.96	0.00	0.00	0.02	0.00
17.30	0.98	0.00	0.00	0.02	0.00	17.32	0.96	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	0.98	0.00	0.00	0.02	0.00
17.38	0.95	0.00	0.00	0.02	0.00	17.40	0.95	0.00	0.00	0.02	0.00
17.42	0.97	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	1.05	0.00	0.00	0.02	0.00	17.80	1.08	0.00	0.00	0.02	0.00
17.82	1.02	0.00	0.00	0.02	0.00	17.84	0.91	0.00	0.00	0.02	0.00
17.86	0.88	0.00	0.00	0.02	0.00	17.88	0.90	0.00	0.00	0.02	0.00
17.90	0.94	0.00	0.00	0.02	0.00	17.92	0.95	0.00	0.00	0.02	0.00
17.94	0.95	0.00	0.00	0.02	0.00	17.96	0.97	0.00	0.00	0.02	0.00
17.98	1.00	0.00	0.00	0.02	0.00	18.00	1.03	0.00	0.00	0.02	0.00
18.02	1.04	0.00	0.00	0.02	0.00	18.04	1.05	0.00	0.00	0.02	0.00
18.06	1.06	0.00	0.00	0.02	0.00	18.08	1.08	0.00	0.00	0.02	0.00
18.10	1.11	0.00	0.00	0.02	0.00	18.12	1.18	0.00	0.00	0.02	0.00
18.14	1.22	0.00	0.00	0.02	0.00	18.16	1.20	0.00	0.00	0.02	0.00
18.18	1.13	0.00	0.00	0.02	0.00	18.20	1.13	0.00	0.00	0.02	0.00
18.22	1.23	0.00	0.00	0.02	0.00	18.24	1.32	0.00	0.00	0.02	0.00
18.26	1.40	0.00	0.00	0.02	0.00	18.28	1.45	0.00	0.00	0.02	0.00
18.30	1.45	0.00	0.00	0.02	0.00	18.32	1.38	0.00	0.00	0.02	0.00
18.34	1.29	0.00	0.00	0.02	0.00	18.36	1.21	0.00	0.00	0.02	0.00
18.38	1.16	0.00	0.00	0.02	0.00	18.40	1.16	0.00	0.00	0.02	0.00
18.42	1.20	0.00	0.00	0.02	0.00	18.44	1.20	0.00	0.00	0.02	0.00
18.46	1.16	0.00	0.00	0.02	0.00	18.48	1.14	0.00	0.00	0.02	0.00
18.50	1.14	0.00	0.00	0.02	0.00	18.52	1.16	0.00	0.00	0.02	0.00
18.54	1.20	0.00	0.00	0.02	0.00	18.56	1.27	0.00	0.00	0.02	0.00
18.58	1.32	0.00	0.00	0.02	0.00	18.60	1.32	0.00	0.00	0.02	0.00
18.62	1.28	0.00	0.00	0.02	0.00	18.64	1.21	0.00	0.00	0.02	0.00
18.66	1.18	0.00	0.00	0.02	0.00	18.68	1.17	0.00	0.00	0.02	0.00
18.70	1.18	0.00	0.00	0.02	0.00	18.72	1.18	0.00	0.00	0.02	0.00
18.74	1.17	0.00	0.00	0.02	0.00	18.76	1.18	0.00	0.00	0.02	0.00
18.78	1.21	0.00	0.00	0.02	0.00	18.80	1.25	0.00	0.00	0.02	0.00
18.82	1.31	0.00	0.00	0.02	0.00	18.84	1.40	0.00	0.00	0.02	0.00
18.86	1.57	0.00	0.00	0.02	0.00	18.88	1.78	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	1.96	0.00	0.00	0.02	0.00
19.58	1.86	0.00	0.00	0.02	0.00	19.60	1.77	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.73	0.00	0.00	0.02	0.00	19.64	1.73	0.00	0.00	0.02	0.00
19.66	1.73	0.00	0.00	0.02	0.00	19.68	1.72	0.00	0.00	0.02	0.00
19.70	1.68	0.00	0.00	0.02	0.00	19.72	1.62	0.00	0.00	0.02	0.00
19.74	1.67	0.00	0.00	0.02	0.00	19.76	1.77	0.00	0.00	0.02	0.00
19.78	1.85	0.00	0.00	0.02	0.00	19.80	1.87	0.00	0.00	0.02	0.00
19.82	1.88	0.00	0.00	0.02	0.00	19.84	1.81	0.00	0.00	0.02	0.00
19.86	1.74	0.00	0.00	0.02	0.00	19.88	1.73	0.00	0.00	0.02	0.00
19.90	1.68	0.00	0.00	0.02	0.00	19.92	1.54	0.00	0.00	0.02	0.00
19.94	1.42	0.00	0.00	0.02	0.00	19.96	1.32	0.00	0.00	0.02	0.00
19.98	1.23	0.00	0.00	0.02	0.00	20.00	1.18	0.00	0.00	0.02	0.00

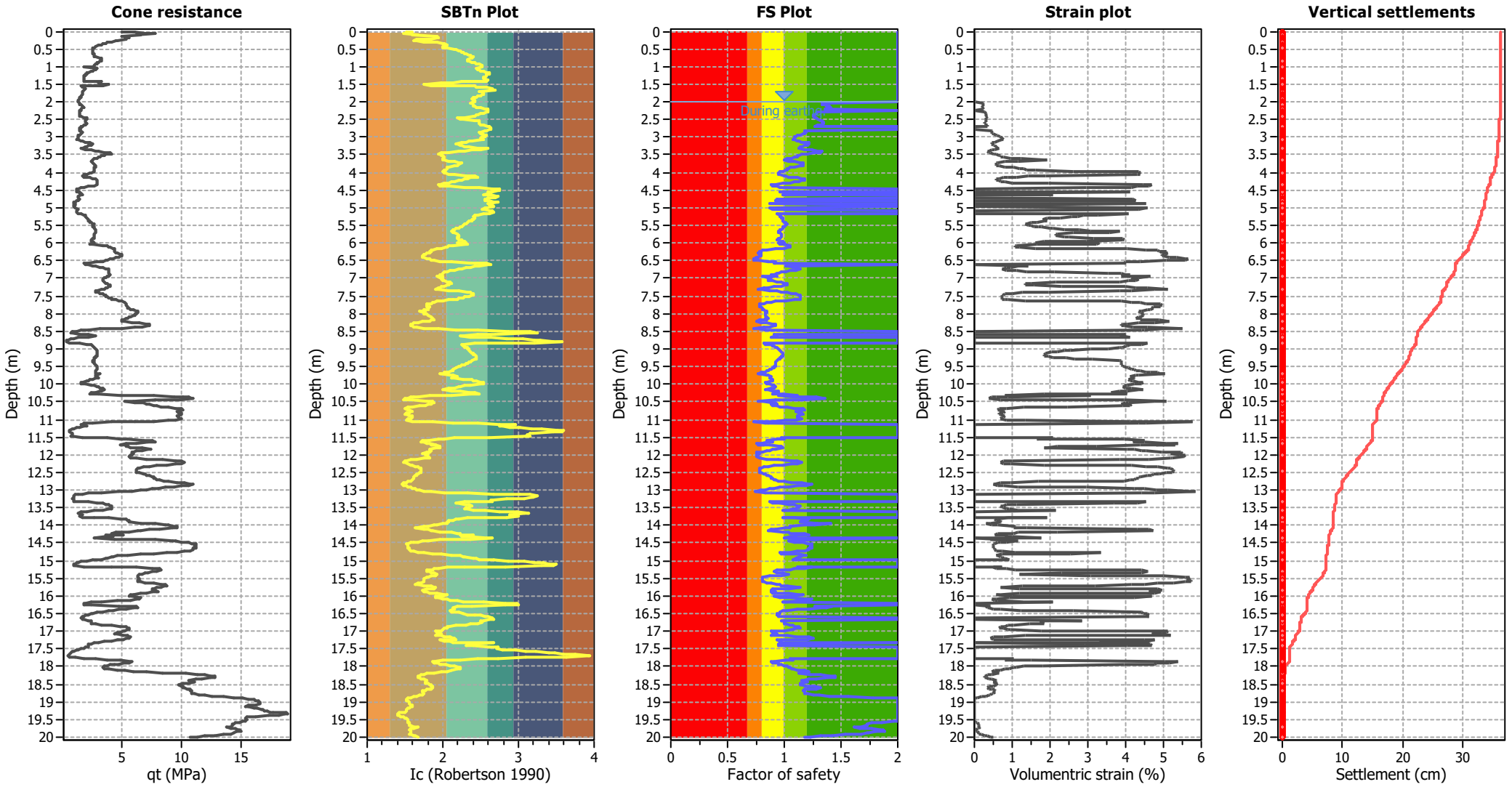
Overall liquefaction potential: 4.09

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.59	85.02	1.00	85.02	15	34315	0.09	0.000	0.00	3.58	0.00	0.000
0.04	1.51	103.63	1.00	103.63	18	37702	0.08	0.000	0.00	3.58	0.00	0.000
0.06	1.50	117.20	1.00	117.20	20	42226	0.08	0.000	0.00	3.58	0.00	0.000
0.08	1.48	130.50	1.00	130.50	23	45713	0.07	0.000	0.00	3.58	0.00	0.000
0.10	1.68	103.85	1.00	103.85	19	46811	0.08	0.000	0.00	3.58	0.00	0.000
0.12	1.60	110.27	1.00	110.27	20	44698	0.08	0.000	0.00	3.58	0.00	0.000
0.14	1.90	84.89	1.24	104.92	21	50400	0.08	0.000	0.00	3.58	0.00	0.000
0.16	1.93	89.74	1.26	112.80	23	55489	0.08	0.000	0.00	3.58	0.00	0.000
0.18	1.95	93.74	1.27	118.74	24	59044	0.07	0.000	0.00	3.58	0.00	0.000
0.20	1.92	89.71	1.25	112.39	23	55021	0.08	0.001	0.00	3.58	0.00	0.000
0.22	1.84	88.36	1.19	105.25	21	48636	0.08	0.001	0.00	3.58	0.00	0.000
0.24	1.65	91.29	1.00	91.29	17	39523	0.08	0.001	0.00	3.58	0.00	0.000
0.26	1.62	77.46	1.00	77.46	14	32496	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.65	75.42	1.00	75.42	14	32556	0.09	0.001	0.00	3.58	0.00	0.000
0.30	1.76	70.72	1.00	70.72	13	35162	0.09	0.001	0.00	3.58	0.00	0.000
0.32	1.92	64.69	1.25	80.99	16	39614	0.08	0.001	0.00	3.58	0.00	0.000
0.34	2.00	61.49	1.30	80.24	17	41372	0.08	0.001	0.00	3.58	0.00	0.000
0.36	2.02	57.97	1.33	77.04	16	40379	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.05	54.96	1.35	74.36	16	39448	0.08	0.001	0.00	3.58	0.00	0.000
0.40	2.05	51.09	1.35	69.12	15	36660	0.08	0.002	0.00	3.58	0.00	0.000
0.42	2.03	48.07	1.33	64.06	13	33646	0.09	0.002	0.00	3.58	0.00	0.000
0.44	1.99	46.90	1.00	46.90	10	31290	0.09	0.002	0.00	3.58	0.00	0.000
0.46	2.01	44.55	1.00	44.55	9	30311	0.09	0.002	0.01	3.58	0.00	0.000
0.48	2.07	43.71	1.37	60.03	13	32087	0.09	0.002	0.00	3.58	0.00	0.000
0.50	2.15	42.20	1.50	63.29	14	34362	0.08	0.002	0.00	3.58	0.00	0.000
0.52	2.17	42.54	1.54	65.31	15	35422	0.08	0.002	0.00	3.58	0.00	0.000
0.54	2.21	42.20	1.64	69.41	16	37272	0.08	0.002	0.00	3.58	0.00	0.000
0.56	2.23	42.70	1.69	72.02	16	38455	0.08	0.002	0.00	3.58	0.00	0.000
0.58	2.26	42.70	1.77	75.62	17	39854	0.08	0.002	0.00	3.58	0.00	0.000
0.60	2.27	43.37	1.82	78.92	18	41251	0.08	0.002	0.00	3.58	0.00	0.000
0.62	2.28	44.20	1.86	81.99	19	42592	0.08	0.002	0.00	3.58	0.00	0.000
0.64	2.32	44.86	1.98	89.05	21	45174	0.08	0.002	0.00	3.58	0.00	0.000
0.66	2.34	45.03	2.11	94.85	23	47036	0.08	0.002	0.00	3.58	0.00	0.000
0.68	2.36	45.70	2.19	100.08	24	48860	0.08	0.002	0.00	3.58	0.00	0.000
0.70	2.38	46.20	2.27	105.08	26	50510	0.08	0.002	0.00	3.58	0.00	0.000
0.72	2.40	46.54	2.36	109.80	27	51966	0.08	0.002	0.00	3.58	0.00	0.000
0.74	2.41	47.03	2.45	115.03	28	53609	0.08	0.002	0.00	3.58	0.00	0.000
0.76	2.39	52.60	2.32	121.78	30	58099	0.08	0.002	0.00	3.58	0.00	0.000
0.78	2.36	54.45	2.17	118.16	29	57902	0.08	0.002	0.00	3.58	0.00	0.000
0.80	2.34	55.95	2.07	115.90	28	57849	0.08	0.002	0.00	3.58	0.00	0.000
0.82	2.32	55.27	2.01	111.22	26	56135	0.08	0.002	0.00	3.58	0.00	0.000
0.84	2.32	54.43	2.02	109.77	26	55358	0.08	0.002	0.00	3.58	0.00	0.000
0.86	2.35	53.09	2.15	114.14	28	56140	0.08	0.002	0.00	3.58	0.00	0.000
0.88	2.39	50.74	2.34	118.83	29	56416	0.08	0.002	0.00	3.58	0.00	0.000
0.90	2.42	49.06	2.50	122.48	30	56572	0.08	0.002	0.00	3.58	0.00	0.000
0.92	2.45	48.22	2.63	126.93	32	57280	0.08	0.002	0.00	3.58	0.00	0.000
0.94	2.48	46.53	2.86	132.94	34	57841	0.08	0.002	0.00	3.58	0.00	0.000
0.96	2.51	45.70	3.06	139.94	36	59008	0.08	0.002	0.00	3.58	0.00	0.000
0.98	2.52	45.19	3.15	142.52	37	59301	0.08	0.002	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.51	45.85	3.06	140.09	36	59135	0.08	0.002	0.00	3.58	0.00	0.000
1.02	2.52	30.47	3.12	94.93	25	39719	0.08	0.004	0.00	3.58	0.00	0.000
1.04	2.45	49.58	2.64	130.69	33	58942	0.08	0.003	0.00	3.58	0.00	0.000
1.06	2.45	49.25	2.64	129.89	33	58564	0.08	0.003	0.00	3.58	0.00	0.000
1.08	2.46	47.57	2.72	129.35	33	57536	0.08	0.003	0.00	3.58	0.00	0.000
1.10	2.48	45.71	2.87	130.98	33	56913	0.08	0.003	0.00	3.58	0.00	0.000
1.12	2.50	43.53	3.01	130.94	34	55662	0.08	0.003	0.00	3.58	0.00	0.000
1.14	2.54	40.67	3.28	133.56	35	54569	0.08	0.003	0.00	3.58	0.00	0.000
1.16	2.58	37.65	3.59	135.29	36	53067	0.08	0.003	0.00	3.58	0.00	0.000
1.18	2.61	35.46	3.84	136.32	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.20	2.61	34.11	3.85	131.22	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.22	2.59	33.27	3.63	120.81	32	47168	0.08	0.004	0.00	3.58	0.00	0.000
1.24	2.58	31.76	3.59	113.89	31	44713	0.08	0.004	0.00	3.58	0.00	0.000
1.26	2.57	30.58	3.53	107.90	29	42675	0.08	0.004	0.00	3.58	0.00	0.000
1.28	2.56	29.90	3.40	101.53	27	40859	0.08	0.005	0.00	3.58	0.00	0.000
1.30	2.54	29.89	3.30	98.71	26	40227	0.08	0.005	0.00	3.58	0.00	0.000
1.32	2.54	29.72	3.25	96.74	25	39684	0.08	0.005	0.00	3.58	0.00	0.000
1.34	2.55	29.89	3.34	99.89	26	40486	0.08	0.005	0.00	3.58	0.00	0.000
1.36	2.57	29.88	3.54	105.84	28	41789	0.08	0.005	0.00	3.58	0.00	0.000
1.38	2.59	30.21	3.64	109.89	30	42868	0.08	0.005	0.00	3.58	0.00	0.000
1.40	2.60	30.20	3.77	113.72	0	0	0.08	0.000	0.00	3.58	0.00	0.000
1.42	2.58	31.36	3.62	113.54	30	44387	0.08	0.005	0.00	3.58	0.00	0.000
1.44	2.24	56.07	1.73	97.16	22	51521	0.08	0.004	0.00	3.58	0.00	0.000
1.46	2.14	51.92	1.48	76.83	17	41709	0.08	0.005	0.01	3.58	0.00	0.000
1.48	1.98	50.91	1.00	50.91	11	33685	0.08	0.007	0.01	3.58	0.01	0.000
1.50	1.79	54.22	1.00	54.22	10	28035	0.09	0.009	0.02	3.58	0.01	0.000
1.52	1.75	64.71	1.00	64.71	12	31902	0.09	0.008	0.01	3.58	0.01	0.000
1.54	1.84	58.18	1.00	58.18	11	31952	0.09	0.008	0.01	3.58	0.01	0.000
1.56	2.42	26.28	2.48	65.18	16	30193	0.08	0.008	0.01	3.58	0.01	0.000
1.58	2.44	27.80	2.57	71.39	18	32568	0.08	0.008	0.01	3.58	0.00	0.000
1.60	2.58	30.14	3.61	108.89	29	42611	0.08	0.006	0.00	3.58	0.00	0.000
1.62	2.66	31.66	4.27	135.18	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.64	2.65	31.99	4.22	134.91	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.66	2.67	30.82	4.39	135.27	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.68	2.69	30.32	4.58	138.87	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.70	2.49	29.32	2.91	85.33	22	36817	0.08	0.007	0.01	3.58	0.00	0.000
1.72	2.51	28.82	3.08	88.78	23	37333	0.08	0.007	0.01	3.58	0.00	0.000
1.74	2.53	28.48	3.19	90.97	24	37638	0.08	0.007	0.01	3.58	0.00	0.000
1.76	2.54	28.66	3.27	93.57	25	38326	0.08	0.007	0.01	3.58	0.00	0.000
1.78	2.53	28.65	3.20	91.65	24	37890	0.08	0.007	0.01	3.58	0.00	0.000
1.80	2.52	28.15	3.10	87.13	23	36563	0.08	0.008	0.01	3.58	0.00	0.000
1.82	2.50	27.48	2.96	81.30	21	34819	0.08	0.008	0.01	3.58	0.00	0.000
1.84	2.46	26.64	2.75	73.16	19	32401	0.08	0.009	0.01	3.58	0.01	0.000
1.86	2.44	25.80	2.58	66.48	17	30285	0.08	0.010	0.01	3.58	0.01	0.000
1.88	2.41	24.79	2.43	60.30	15	28170	0.08	0.011	0.02	3.58	0.01	0.000
1.90	2.39	24.46	2.31	56.54	14	26992	0.08	0.012	0.02	3.58	0.01	0.000
1.92	2.39	23.95	2.32	55.53	14	26479	0.09	0.012	0.02	3.58	0.01	0.000
1.94	2.41	23.28	2.42	56.27	14	26358	0.09	0.013	0.02	3.58	0.01	0.000
1.96	2.42	23.29	2.48	57.68	14	26734	0.08	0.012	0.02	3.58	0.01	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.43	23.12	2.55	59.01	15	26993	0.08	0.012	0.02	3.58	0.01	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	77.16	2.00	0.00	1.00	0.00	2.02	77.33	1.33	0.22	1.00	0.00
2.04	78.06	1.33	0.22	1.00	0.00	2.06	78.73	1.33	0.23	1.00	0.00
2.08	79.77	1.34	0.23	1.00	0.00	2.10	81.34	1.35	0.22	1.00	0.00
2.12	83.11	1.37	0.22	1.00	0.00	2.14	85.26	1.40	0.21	1.00	0.00
2.16	86.69	1.41	0.21	1.00	0.00	2.18	85.92	1.39	0.22	1.00	0.00
2.20	85.34	1.38	0.23	1.00	0.00	2.22	84.49	1.36	0.24	1.00	0.00
2.24	25.84	2.00	0.00	1.00	0.00	2.26	25.00	2.00	0.00	1.00	0.00
2.28	82.51	1.31	0.27	1.00	0.01	2.30	81.49	1.30	0.28	1.00	0.01
2.32	81.09	1.28	0.29	1.00	0.01	2.34	81.13	1.28	0.30	1.00	0.01
2.36	80.94	1.27	0.30	1.00	0.01	2.38	80.44	1.26	0.32	1.00	0.01
2.40	80.23	1.25	0.32	1.00	0.01	2.42	80.54	1.25	0.33	1.00	0.01
2.44	81.82	1.26	0.32	1.00	0.01	2.46	84.00	1.29	0.31	1.00	0.01
2.48	84.99	1.29	0.31	1.00	0.01	2.50	85.08	1.29	0.31	1.00	0.01
2.52	87.91	1.33	0.29	1.00	0.01	2.54	88.87	1.33	0.29	1.00	0.01
2.56	89.32	1.34	0.29	1.00	0.01	2.58	90.41	1.35	0.29	1.00	0.01
2.60	90.89	1.35	0.29	1.00	0.01	2.62	90.64	1.34	0.30	1.00	0.01
2.64	89.45	1.32	0.31	1.00	0.01	2.66	88.25	1.30	0.33	1.00	0.01
2.68	86.34	1.27	0.35	1.00	0.01	2.70	26.33	2.00	0.00	1.00	0.00
2.72	25.21	2.00	0.00	1.00	0.00	2.74	24.41	2.00	0.00	1.00	0.00
2.76	23.91	2.00	0.00	1.00	0.00	2.78	23.72	2.00	0.00	1.00	0.00
2.80	23.69	2.00	0.00	1.00	0.00	2.82	81.89	1.18	0.46	1.00	0.01
2.84	82.53	1.19	0.46	1.00	0.01	2.86	82.37	1.18	0.47	1.00	0.01
2.88	83.27	1.19	0.46	1.00	0.01	2.90	83.15	1.19	0.47	1.00	0.01
2.92	81.49	1.16	0.51	1.00	0.01	2.94	79.59	1.14	0.56	1.00	0.01
2.96	78.34	1.12	0.61	1.00	0.01	2.98	77.15	1.10	0.67	1.00	0.01
3.00	76.62	1.10	0.70	1.00	0.01	3.02	76.71	1.09	0.71	1.00	0.01
3.04	76.50	1.09	0.74	1.00	0.01	3.06	76.24	1.08	0.77	1.00	0.02
3.08	77.09	1.09	0.74	1.00	0.01	3.10	80.21	1.12	0.63	1.00	0.01
3.12	81.08	1.13	0.62	1.00	0.01	3.14	84.06	1.16	0.55	1.00	0.01
3.16	89.09	1.22	0.46	1.00	0.01	3.18	88.74	1.21	0.47	1.00	0.01
3.20	89.29	1.22	0.47	1.00	0.01	3.22	88.33	1.20	0.49	1.00	0.01
3.24	86.84	1.18	0.53	1.00	0.01	3.26	85.26	1.16	0.57	1.00	0.01
3.28	84.72	1.15	0.59	1.00	0.01	3.30	83.45	1.13	0.63	1.00	0.01
3.32	83.17	1.12	0.65	1.00	0.01	3.34	88.07	1.18	0.53	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	93.14	1.25	0.44	1.00	0.01	3.38	97.06	1.30	0.38	1.00	0.01
3.40	98.93	1.33	0.36	1.00	0.01	3.42	98.45	1.32	0.37	1.00	0.01
3.44	94.57	1.26	0.44	1.00	0.01	3.46	91.15	1.20	0.50	1.00	0.01
3.48	90.31	1.19	0.53	1.00	0.01	3.50	87.83	1.16	0.59	1.00	0.01
3.52	85.74	1.13	0.65	1.00	0.01	3.54	84.93	1.12	0.69	1.00	0.01
3.56	85.08	1.12	0.69	1.00	0.01	3.58	83.16	1.09	0.78	1.00	0.02
3.60	80.31	1.06	0.96	1.00	0.02	3.62	77.62	1.03	1.24	1.00	0.02
3.64	74.80	1.00	1.83	1.00	0.04	3.66	74.77	1.00	1.90	1.00	0.04
3.68	78.91	1.04	1.16	1.00	0.02	3.70	83.94	1.09	0.81	1.00	0.02
3.72	88.90	1.15	0.63	1.00	0.01	3.74	90.49	1.16	0.59	1.00	0.01
3.76	91.08	1.17	0.59	1.00	0.01	3.78	91.47	1.17	0.58	1.00	0.01
3.80	91.41	1.17	0.59	1.00	0.01	3.82	89.38	1.14	0.65	1.00	0.01
3.84	85.11	1.09	0.82	1.00	0.02	3.86	81.88	1.05	1.04	1.00	0.02
3.88	80.36	1.03	1.20	1.00	0.02	3.90	79.71	1.03	1.31	1.00	0.03
3.92	79.36	1.02	1.38	1.00	0.03	3.94	78.19	1.01	1.63	1.00	0.03
3.96	75.66	0.98	2.61	1.00	0.05	3.98	73.24	0.96	4.36	1.00	0.09
4.00	72.84	0.95	4.38	1.00	0.09	4.02	73.16	0.95	4.36	1.00	0.09
4.04	73.10	0.95	4.37	1.00	0.09	4.06	74.18	0.96	4.31	1.00	0.09
4.08	78.38	1.00	1.87	1.00	0.04	4.10	80.59	1.02	1.42	1.00	0.03
4.12	83.30	1.04	1.11	1.00	0.02	4.14	86.59	1.08	0.89	1.00	0.02
4.16	89.53	1.11	0.75	1.00	0.02	4.18	93.01	1.15	0.64	1.00	0.01
4.20	95.19	1.18	0.58	1.00	0.01	4.22	94.96	1.18	0.59	1.00	0.01
4.24	93.20	1.15	0.65	1.00	0.01	4.26	91.43	1.13	0.71	1.00	0.01
4.28	88.96	1.10	0.82	1.00	0.02	4.30	85.66	1.06	1.02	1.00	0.02
4.32	79.58	0.99	1.96	1.00	0.04	4.34	71.78	0.92	4.44	1.00	0.09
4.36	67.49	0.88	4.71	1.00	0.09	4.38	68.78	0.89	4.62	1.00	0.09
4.40	74.08	0.94	4.31	1.00	0.09	4.42	76.97	0.96	4.16	1.00	0.08
4.44	78.24	0.97	2.96	1.00	0.06	4.46	19.86	2.00	0.00	1.00	0.00
4.48	18.29	2.00	0.00	1.00	0.00	4.50	17.44	2.00	0.00	1.00	0.00
4.52	17.42	2.00	0.00	1.00	0.00	4.54	18.52	2.00	0.00	1.00	0.00
4.56	77.55	0.96	4.13	1.00	0.08	4.58	20.78	2.00	0.00	1.00	0.00
4.60	22.51	2.00	0.00	1.00	0.00	4.62	80.93	0.99	2.07	1.00	0.04
4.64	21.76	2.00	0.00	1.00	0.00	4.66	19.14	2.00	0.00	1.00	0.00
4.68	18.84	2.00	0.00	1.00	0.00	4.70	18.96	2.00	0.00	1.00	0.00
4.72	19.78	2.00	0.00	1.00	0.00	4.74	76.39	0.94	4.19	1.00	0.08
4.76	76.14	0.93	4.20	1.00	0.08	4.78	75.17	0.93	4.25	1.00	0.09
4.80	17.25	2.00	0.00	1.00	0.00	4.82	15.44	2.00	0.00	1.00	0.00
4.84	14.19	2.00	0.00	1.00	0.00	4.86	13.49	2.00	0.00	1.00	0.00
4.88	14.46	2.00	0.00	1.00	0.00	4.90	69.96	0.88	4.55	1.00	0.09
4.92	14.83	2.00	0.00	1.00	0.00	4.94	14.39	2.00	0.00	1.00	0.00
4.96	14.10	2.00	0.00	1.00	0.00	4.98	13.81	2.00	0.00	1.00	0.00
5.00	69.75	0.87	4.56	1.00	0.09	5.02	70.26	0.87	4.53	1.00	0.09
5.04	73.24	0.90	4.36	1.00	0.09	5.06	73.68	0.90	4.34	1.00	0.09
5.08	17.62	2.00	0.00	1.00	0.00	5.10	16.78	2.00	0.00	1.00	0.00
5.12	16.75	2.00	0.00	1.00	0.00	5.14	17.39	2.00	0.00	1.00	0.00
5.16	18.97	2.00	0.00	1.00	0.00	5.18	78.43	0.94	4.09	1.00	0.08
5.20	81.16	0.96	3.28	1.00	0.07	5.22	81.77	0.97	2.87	1.00	0.06
5.24	82.09	0.97	2.72	1.00	0.05	5.26	82.39	0.97	2.59	1.00	0.05
5.28	83.15	0.98	2.27	1.00	0.05	5.30	84.34	0.99	1.91	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	84.85	0.99	1.79	1.00	0.04	5.34	84.80	0.99	1.82	1.00	0.04
5.36	84.44	0.99	1.93	1.00	0.04	5.38	84.77	0.99	1.86	1.00	0.04
5.40	85.81	1.00	1.64	1.00	0.03	5.42	86.74	1.01	1.49	1.00	0.03
5.44	87.45	1.02	1.40	1.00	0.03	5.46	87.93	1.02	1.34	1.00	0.03
5.48	87.37	1.01	1.42	1.00	0.03	5.50	86.86	1.01	1.51	1.00	0.03
5.52	86.45	1.00	1.59	1.00	0.03	5.54	86.04	1.00	1.68	1.00	0.03
5.56	85.59	0.99	1.79	1.00	0.04	5.58	84.87	0.98	1.98	1.00	0.04
5.60	84.65	0.98	2.07	1.00	0.04	5.62	83.84	0.97	2.38	1.00	0.05
5.64	83.09	0.96	2.78	1.00	0.06	5.66	82.71	0.96	3.07	1.00	0.06
5.68	81.90	0.95	3.86	1.00	0.08	5.70	82.22	0.95	3.57	1.00	0.07
5.72	83.62	0.97	2.61	1.00	0.05	5.74	84.64	0.98	2.19	1.00	0.04
5.76	84.84	0.98	2.14	1.00	0.04	5.78	84.83	0.98	2.16	1.00	0.04
5.80	84.86	0.98	2.17	1.00	0.04	5.82	84.36	0.97	2.37	1.00	0.05
5.84	84.10	0.97	2.51	1.00	0.05	5.86	83.06	0.96	3.16	1.00	0.06
5.88	82.11	0.95	3.91	1.00	0.08	5.90	81.19	0.94	3.95	1.00	0.08
5.92	81.95	0.95	3.92	1.00	0.08	5.94	83.49	0.96	2.98	1.00	0.06
5.96	86.29	0.99	1.86	1.00	0.04	5.98	87.54	1.00	1.61	1.00	0.03
6.00	83.16	0.95	3.31	1.00	0.07	6.02	83.32	0.96	3.21	1.00	0.06
6.04	87.39	1.00	1.66	1.00	0.03	6.06	91.79	1.05	1.12	1.00	0.02
6.08	92.15	1.05	1.09	1.00	0.02	6.10	92.52	1.05	1.06	1.00	0.02
6.12	91.22	1.04	1.18	1.00	0.02	6.14	87.78	1.00	1.62	1.00	0.03
6.16	79.78	0.92	4.02	1.00	0.08	6.18	70.44	0.84	4.52	1.00	0.09
6.20	65.50	0.80	4.84	1.00	0.10	6.22	64.79	0.80	4.88	1.00	0.10
6.24	62.24	0.78	5.07	1.00	0.10	6.26	64.11	0.79	4.93	1.00	0.10
6.28	63.67	0.79	4.96	1.00	0.10	6.30	61.51	0.77	5.12	1.00	0.10
6.32	62.55	0.78	5.04	1.00	0.10	6.34	63.77	0.79	4.96	1.00	0.10
6.36	63.81	0.79	4.95	1.00	0.10	6.38	63.04	0.78	5.01	1.00	0.10
6.40	60.98	0.77	5.16	1.00	0.10	6.42	58.79	0.75	5.33	1.00	0.11
6.44	55.79	0.73	5.58	1.00	0.11	6.46	54.85	0.73	5.67	1.00	0.11
6.48	55.67	0.73	5.59	1.00	0.11	6.50	62.05	0.77	5.08	1.00	0.10
6.52	72.92	0.85	4.38	1.00	0.09	6.54	80.44	0.92	3.99	1.00	0.08
6.56	81.12	0.92	3.96	1.00	0.08	6.58	80.13	0.91	4.00	1.00	0.08
6.60	23.64	2.00	0.00	1.00	0.00	6.62	26.85	2.00	0.00	1.00	0.00
6.64	90.06	1.01	1.41	1.00	0.03	6.66	92.71	1.04	1.14	1.00	0.02
6.68	95.04	1.07	0.97	1.00	0.02	6.70	97.62	1.10	0.83	1.00	0.02
6.72	99.28	1.13	0.76	1.00	0.02	6.74	100.07	1.14	0.73	1.00	0.01
6.76	97.23	1.10	0.85	1.00	0.02	6.78	93.04	1.05	1.12	1.00	0.02
6.80	90.41	1.01	1.38	1.00	0.03	6.82	86.76	0.98	2.11	1.00	0.04
6.84	84.16	0.95	3.54	1.00	0.07	6.86	83.05	0.94	3.87	1.00	0.08
6.88	80.49	0.91	3.99	1.00	0.08	6.90	77.77	0.89	4.12	1.00	0.08
6.92	79.65	0.91	4.03	1.00	0.08	6.94	82.80	0.93	3.88	1.00	0.08
6.96	68.03	0.81	4.67	1.00	0.09	6.98	73.44	0.85	4.35	1.00	0.09
7.00	77.37	0.88	4.14	1.00	0.08	7.02	76.44	0.88	4.19	1.00	0.08
7.04	73.54	0.85	4.34	1.00	0.09	7.06	74.57	0.86	4.29	1.00	0.09
7.08	78.52	0.89	4.08	1.00	0.08	7.10	83.23	0.94	3.86	1.00	0.08
7.12	86.98	0.97	2.15	1.00	0.04	7.14	90.04	1.01	1.49	1.00	0.03
7.16	91.24	1.02	1.33	1.00	0.03	7.18	91.25	1.02	1.33	1.00	0.03
7.20	89.52	1.00	1.57	1.00	0.03	7.22	86.55	0.97	2.32	1.00	0.05
7.24	80.41	0.91	3.99	1.00	0.08	7.26	75.12	0.86	4.26	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	69.73	0.82	4.57	1.00	0.09	7.30	61.60	0.76	5.11	1.00	0.10
7.32	66.61	0.80	4.76	1.00	0.10	7.34	76.90	0.88	4.16	1.00	0.08
7.36	83.79	0.94	3.83	1.00	0.08	7.38	87.83	0.98	1.96	1.00	0.04
7.40	91.90	1.02	1.28	1.00	0.03	7.42	95.45	1.07	0.99	1.00	0.02
7.44	98.51	1.11	0.82	1.00	0.02	7.46	100.17	1.13	0.75	1.00	0.02
7.48	100.89	1.14	0.72	1.00	0.01	7.50	101.02	1.14	0.72	1.00	0.01
7.52	100.66	1.14	0.73	1.00	0.01	7.54	100.77	1.14	0.73	1.00	0.01
7.56	101.13	1.14	0.71	1.00	0.01	7.58	100.69	1.14	0.73	1.00	0.01
7.60	99.17	1.12	0.79	1.00	0.02	7.62	97.43	1.09	0.87	1.00	0.02
7.64	91.41	1.02	1.33	1.00	0.03	7.66	82.56	0.93	3.89	1.00	0.08
7.68	77.07	0.88	4.15	1.00	0.08	7.70	72.86	0.84	4.38	1.00	0.09
7.72	69.90	0.82	4.56	1.00	0.09	7.74	64.47	0.78	4.91	1.00	0.10
7.76	63.72	0.78	4.96	1.00	0.10	7.78	64.27	0.78	4.92	1.00	0.10
7.80	64.50	0.78	4.90	1.00	0.10	7.82	67.15	0.80	4.73	1.00	0.09
7.84	67.44	0.80	4.71	1.00	0.09	7.86	67.39	0.80	4.71	1.00	0.09
7.88	68.37	0.81	4.65	1.00	0.09	7.90	69.64	0.82	4.57	1.00	0.09
7.92	72.12	0.84	4.42	1.00	0.09	7.94	73.66	0.85	4.34	1.00	0.09
7.96	72.71	0.84	4.39	1.00	0.09	7.98	72.23	0.84	4.42	1.00	0.09
8.00	71.59	0.83	4.45	1.00	0.09	8.02	71.42	0.83	4.46	1.00	0.09
8.04	71.72	0.83	4.45	1.00	0.09	8.06	71.71	0.83	4.45	1.00	0.09
8.08	72.61	0.84	4.40	1.00	0.09	8.10	73.28	0.85	4.36	1.00	0.09
8.12	74.80	0.86	4.27	1.00	0.09	8.14	72.16	0.84	4.42	1.00	0.09
8.16	73.12	0.85	4.37	1.00	0.09	8.18	64.91	0.78	4.88	1.00	0.10
8.20	61.64	0.76	5.11	1.00	0.10	8.22	61.10	0.76	5.15	1.00	0.10
8.24	66.41	0.79	4.78	1.00	0.10	8.26	73.30	0.85	4.36	1.00	0.09
8.28	79.50	0.90	4.03	1.00	0.08	8.30	81.48	0.92	3.94	1.00	0.08
8.32	82.70	0.93	3.88	1.00	0.08	8.34	82.64	0.93	3.89	1.00	0.08
8.36	81.07	0.91	3.96	1.00	0.08	8.38	76.39	0.87	4.19	1.00	0.08
8.40	69.53	0.82	4.58	1.00	0.09	8.42	56.65	0.73	5.51	1.00	0.11
8.44	63.25	0.77	4.99	1.00	0.10	8.46	71.09	0.83	4.48	1.00	0.09
8.48	72.16	0.84	4.42	1.00	0.09	8.50	13.43	2.00	0.00	1.00	0.00
8.52	10.17	2.00	0.00	1.00	0.00	8.54	8.48	2.00	0.00	1.00	0.00
8.56	9.70	2.00	0.00	1.00	0.00	8.58	16.94	2.00	0.00	1.00	0.00
8.60	80.36	0.90	3.99	1.00	0.08	8.62	83.88	0.94	3.83	1.00	0.08
8.64	82.43	0.92	3.89	1.00	0.08	8.66	77.76	0.88	4.12	1.00	0.08
8.68	15.65	2.00	0.00	1.00	0.00	8.70	10.64	2.00	0.00	1.00	0.00
8.72	7.85	2.00	0.00	1.00	0.00	8.74	6.06	2.00	0.00	1.00	0.00
8.76	4.83	2.00	0.00	1.00	0.00	8.78	4.38	2.00	0.00	1.00	0.00
8.80	4.26	2.00	0.00	1.00	0.00	8.82	6.49	2.00	0.00	1.00	0.00
8.84	69.41	0.82	4.58	1.00	0.09	8.86	72.35	0.84	4.41	1.00	0.09
8.88	78.06	0.88	4.10	1.00	0.08	8.90	79.24	0.89	4.05	1.00	0.08
8.92	80.55	0.91	3.98	1.00	0.08	8.94	81.73	0.92	3.93	1.00	0.08
8.96	83.00	0.93	3.87	1.00	0.08	8.98	83.71	0.94	3.84	1.00	0.08
9.00	84.82	0.95	3.53	1.00	0.07	9.02	85.35	0.95	3.10	1.00	0.06
9.04	86.36	0.96	2.52	1.00	0.05	9.06	86.63	0.97	2.40	1.00	0.05
9.08	87.14	0.97	2.21	1.00	0.04	9.10	87.69	0.98	2.03	1.00	0.04
9.12	88.27	0.98	1.88	1.00	0.04	9.14	88.24	0.98	1.88	1.00	0.04
9.16	88.36	0.98	1.85	1.00	0.04	9.18	88.28	0.98	1.86	1.00	0.04
9.20	88.28	0.98	1.86	1.00	0.04	9.22	87.79	0.98	1.97	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	87.39	0.98	2.08	1.00	0.04	9.26	86.45	0.97	2.41	1.00	0.05
9.28	85.90	0.96	2.65	1.00	0.05	9.30	85.12	0.95	3.11	1.00	0.06
9.32	83.67	0.94	3.84	1.00	0.08	9.34	82.97	0.93	3.87	1.00	0.08
9.36	82.62	0.93	3.89	1.00	0.08	9.38	82.54	0.93	3.89	1.00	0.08
9.40	82.52	0.93	3.89	1.00	0.08	9.42	82.42	0.93	3.90	1.00	0.08
9.44	82.40	0.93	3.90	1.00	0.08	9.46	81.94	0.92	3.92	1.00	0.08
9.48	81.43	0.92	3.94	1.00	0.08	9.50	80.62	0.91	3.98	1.00	0.08
9.52	79.78	0.90	4.02	1.00	0.08	9.54	78.60	0.89	4.08	1.00	0.08
9.56	77.06	0.88	4.16	1.00	0.08	9.58	75.50	0.87	4.24	1.00	0.08
9.60	74.56	0.86	4.29	1.00	0.09	9.62	73.08	0.85	4.37	1.00	0.09
9.64	70.35	0.83	4.53	1.00	0.09	9.66	68.26	0.81	4.66	1.00	0.09
9.68	65.30	0.79	4.85	1.00	0.10	9.70	64.81	0.79	4.88	1.00	0.10
9.72	62.62	0.77	5.04	1.00	0.10	9.74	73.25	0.85	4.36	1.00	0.09
9.76	74.58	0.86	4.29	1.00	0.09	9.78	77.61	0.89	4.13	1.00	0.08
9.80	76.84	0.88	4.17	1.00	0.08	9.82	75.68	0.87	4.23	1.00	0.08
9.84	75.95	0.87	4.21	1.00	0.08	9.86	78.91	0.90	4.06	1.00	0.08
9.88	78.65	0.90	4.08	1.00	0.08	9.90	78.16	0.89	4.10	1.00	0.08
9.92	76.62	0.88	4.18	1.00	0.08	9.94	73.29	0.85	4.36	1.00	0.09
9.96	71.73	0.84	4.45	1.00	0.09	9.98	71.97	0.84	4.43	1.00	0.09
10.00	75.53	0.87	4.24	1.00	0.08	10.02	79.05	0.90	4.06	1.00	0.08
10.04	80.79	0.92	3.97	1.00	0.08	10.06	80.89	0.92	3.97	1.00	0.08
10.08	82.09	0.93	3.91	1.00	0.08	10.10	80.41	0.91	3.99	1.00	0.08
10.12	77.16	0.88	4.15	1.00	0.08	10.14	71.42	0.84	4.46	1.00	0.09
10.16	73.45	0.85	4.35	1.00	0.09	10.18	79.22	0.90	4.05	1.00	0.08
10.20	83.56	0.94	3.84	1.00	0.08	10.22	84.05	0.95	3.60	1.00	0.07
10.24	81.04	0.92	3.96	1.00	0.08	10.26	79.16	0.90	4.05	1.00	0.08
10.28	87.60	0.98	1.86	1.00	0.04	10.30	98.28	1.11	0.80	1.00	0.02
10.32	84.57	0.95	3.08	1.00	0.06	10.34	96.59	1.09	0.88	1.00	0.02
10.36	104.30	1.20	0.58	1.00	0.01	10.38	108.86	1.28	0.46	1.00	0.01
10.40	111.90	1.34	0.40	1.00	0.01	10.42	112.82	1.36	0.38	1.00	0.01
10.44	101.16	1.16	0.68	1.00	0.01	10.46	81.06	0.92	3.96	1.00	0.08
10.48	61.99	0.77	5.08	1.00	0.10	10.50	66.63	0.81	4.76	1.00	0.10
10.52	78.25	0.90	4.10	1.00	0.08	10.54	80.58	0.92	3.98	1.00	0.08
10.56	82.64	0.94	3.89	1.00	0.08	10.58	77.06	0.89	4.16	1.00	0.08
10.60	78.17	0.90	4.10	1.00	0.08	10.62	81.72	0.93	3.93	1.00	0.08
10.64	85.29	0.97	2.47	1.00	0.05	10.66	90.47	1.02	1.31	1.00	0.03
10.68	96.44	1.09	0.86	1.00	0.02	10.70	101.79	1.17	0.65	1.00	0.01
10.72	102.41	1.18	0.63	1.00	0.01	10.74	101.23	1.16	0.66	1.00	0.01
10.76	98.55	1.12	0.76	1.00	0.02	10.78	97.27	1.11	0.82	1.00	0.02
10.80	98.30	1.12	0.77	1.00	0.02	10.82	100.93	1.16	0.67	1.00	0.01
10.84	101.56	1.17	0.65	1.00	0.01	10.86	100.38	1.15	0.69	1.00	0.01
10.88	98.41	1.12	0.76	1.00	0.02	10.90	97.33	1.11	0.81	1.00	0.02
10.92	98.05	1.12	0.77	1.00	0.02	10.94	98.67	1.13	0.75	1.00	0.01
10.96	99.80	1.15	0.70	1.00	0.01	10.98	100.22	1.15	0.69	1.00	0.01
11.00	96.26	1.10	0.85	1.00	0.02	11.02	89.51	1.02	1.37	1.00	0.03
11.04	77.77	0.90	4.12	1.00	0.08	11.06	61.92	0.78	5.09	1.00	0.10
11.08	53.56	0.73	5.78	1.00	0.12	11.10	70.00	0.84	4.55	1.00	0.09
11.12	73.18	0.86	4.36	1.00	0.09	11.14	16.68	2.00	0.00	1.00	0.00
11.16	15.56	2.00	0.00	1.00	0.00	11.18	20.25	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	18.03	2.00	0.00	1.00	0.00	11.22	14.92	2.00	0.00	1.00	0.00
11.24	12.30	2.00	0.00	1.00	0.00	11.26	9.70	2.00	0.00	1.00	0.00
11.28	8.19	2.00	0.00	1.00	0.00	11.30	5.99	2.00	0.00	1.00	0.00
11.32	5.59	2.00	0.00	1.00	0.00	11.34	5.68	2.00	0.00	1.00	0.00
11.36	6.37	2.00	0.00	1.00	0.00	11.38	9.05	2.00	0.00	1.00	0.00
11.40	8.95	2.00	0.00	1.00	0.00	11.42	8.34	2.00	0.00	1.00	0.00
11.44	7.94	2.00	0.00	1.00	0.00	11.46	7.64	2.00	0.00	1.00	0.00
11.48	8.42	2.00	0.00	1.00	0.00	11.50	17.13	2.00	0.00	1.00	0.00
11.52	85.22	0.98	2.09	1.00	0.04	11.54	86.94	1.00	1.66	1.00	0.03
11.56	81.03	0.94	3.96	1.00	0.08	11.58	70.73	0.85	4.50	1.00	0.09
11.60	75.04	0.89	4.26	1.00	0.09	11.62	76.56	0.90	4.18	1.00	0.08
11.64	70.78	0.85	4.50	1.00	0.09	11.66	62.12	0.79	5.07	1.00	0.10
11.68	57.89	0.76	5.40	1.00	0.11	11.70	66.05	0.82	4.80	1.00	0.10
11.72	58.96	0.77	5.32	1.00	0.11	11.74	73.13	0.87	4.37	1.00	0.09
11.76	82.61	0.96	3.24	1.00	0.06	11.78	84.52	0.98	2.20	1.00	0.04
11.80	85.36	0.99	1.93	1.00	0.04	11.82	85.69	0.99	1.83	1.00	0.04
11.84	79.28	0.93	4.04	1.00	0.08	11.86	75.37	0.89	4.24	1.00	0.08
11.88	72.16	0.87	4.42	1.00	0.09	11.90	70.08	0.85	4.54	1.00	0.09
11.92	63.62	0.80	4.97	1.00	0.10	11.94	57.04	0.76	5.48	1.00	0.11
11.96	56.91	0.76	5.49	1.00	0.11	11.98	60.30	0.78	5.21	1.00	0.10
12.00	57.54	0.76	5.43	1.00	0.11	12.02	55.81	0.75	5.58	1.00	0.11
12.04	56.09	0.75	5.56	1.00	0.11	12.06	56.12	0.75	5.55	1.00	0.11
12.08	60.11	0.78	5.23	1.00	0.10	12.10	60.71	0.78	5.18	1.00	0.10
12.12	68.76	0.84	4.62	1.00	0.09	12.14	81.59	0.95	3.85	1.00	0.08
12.16	91.79	1.06	1.01	1.00	0.02	12.18	96.52	1.12	0.76	1.00	0.02
12.20	98.61	1.15	0.68	1.00	0.01	12.22	98.55	1.15	0.69	1.00	0.01
12.24	96.43	1.12	0.76	1.00	0.02	12.26	92.37	1.07	0.97	1.00	0.02
12.28	85.10	0.99	1.85	1.00	0.04	12.30	76.78	0.91	4.17	1.00	0.08
12.32	70.32	0.86	4.53	1.00	0.09	12.34	65.53	0.82	4.83	1.00	0.10
12.36	61.81	0.80	5.10	1.00	0.10	12.38	60.52	0.79	5.19	1.00	0.10
12.40	59.90	0.78	5.24	1.00	0.10	12.42	59.96	0.78	5.24	1.00	0.10
12.44	59.73	0.78	5.26	1.00	0.11	12.46	59.41	0.78	5.28	1.00	0.11
12.48	59.47	0.78	5.28	1.00	0.11	12.50	59.92	0.78	5.24	1.00	0.10
12.52	61.91	0.80	5.09	1.00	0.10	12.54	64.67	0.82	4.89	1.00	0.10
12.56	66.85	0.83	4.75	1.00	0.09	12.58	67.78	0.84	4.69	1.00	0.09
12.60	69.76	0.86	4.56	1.00	0.09	12.62	72.52	0.88	4.40	1.00	0.09
12.64	73.44	0.89	4.35	1.00	0.09	12.66	73.59	0.89	4.34	1.00	0.09
12.68	74.61	0.90	4.29	1.00	0.09	12.70	75.72	0.91	4.23	1.00	0.08
12.72	77.60	0.92	4.13	1.00	0.08	12.74	80.64	0.95	3.98	1.00	0.08
12.76	85.23	1.00	1.70	1.00	0.03	12.78	91.56	1.07	0.97	1.00	0.02
12.80	97.89	1.15	0.68	1.00	0.01	12.82	102.08	1.21	0.56	1.00	0.01
12.84	104.25	1.25	0.50	1.00	0.01	12.86	100.51	1.19	0.60	1.00	0.01
12.88	95.13	1.11	0.78	1.00	0.02	12.90	88.80	1.04	1.17	1.00	0.02
12.92	81.62	0.96	2.97	1.00	0.06	12.94	75.61	0.91	4.23	1.00	0.08
12.96	70.76	0.87	4.50	1.00	0.09	12.98	66.12	0.83	4.79	1.00	0.10
13.00	61.49	0.80	5.12	1.00	0.10	13.02	54.69	0.76	5.68	1.00	0.11
13.04	52.83	0.74	5.85	1.00	0.12	13.06	66.41	0.84	4.78	1.00	0.10
13.08	72.38	0.88	4.41	1.00	0.09	13.10	16.08	2.00	0.00	1.00	0.00
13.12	12.39	2.00	0.00	1.00	0.00	13.14	10.69	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	9.36	2.00	0.00	1.00	0.00	13.18	8.79	2.00	0.00	1.00	0.00
13.20	9.07	2.00	0.00	1.00	0.00	13.22	8.50	2.00	0.00	1.00	0.00
13.24	8.31	2.00	0.00	1.00	0.00	13.26	8.49	2.00	0.00	1.00	0.00
13.28	8.76	2.00	0.00	1.00	0.00	13.30	8.85	2.00	0.00	1.00	0.00
13.32	9.31	2.00	0.00	1.00	0.00	13.34	70.46	0.87	4.52	1.00	0.09
13.36	73.89	0.90	4.32	1.00	0.09	13.38	80.18	0.96	3.68	1.00	0.07
13.40	88.53	1.04	1.12	1.00	0.02	13.42	92.46	1.09	0.86	1.00	0.02
13.44	94.74	1.12	0.76	1.00	0.02	13.46	96.02	1.14	0.71	1.00	0.01
13.48	95.05	1.13	0.74	1.00	0.01	13.50	94.14	1.12	0.77	1.00	0.02
13.52	92.85	1.10	0.83	1.00	0.02	13.54	91.13	1.08	0.91	1.00	0.02
13.56	87.68	1.04	1.16	1.00	0.02	13.58	82.12	0.98	2.16	1.00	0.04
13.60	18.97	2.00	0.00	1.00	0.00	13.62	14.77	2.00	0.00	1.00	0.00
13.64	12.26	2.00	0.00	1.00	0.00	13.66	12.16	2.00	0.00	1.00	0.00
13.68	14.37	2.00	0.00	1.00	0.00	13.70	15.56	2.00	0.00	1.00	0.00
13.72	14.81	2.00	0.00	1.00	0.00	13.74	13.13	2.00	0.00	1.00	0.00
13.76	16.08	2.00	0.00	1.00	0.00	13.78	82.37	0.99	1.94	1.00	0.04
13.80	91.03	1.09	0.88	1.00	0.02	13.82	97.82	1.18	0.62	1.00	0.01
13.84	100.83	1.22	0.53	1.00	0.01	13.86	99.25	1.20	0.57	1.00	0.01
13.88	95.69	1.15	0.68	1.00	0.01	13.90	95.27	1.14	0.69	1.00	0.01
13.92	95.36	1.14	0.69	1.00	0.01	13.94	105.35	1.30	0.43	1.00	0.01
13.96	111.17	1.41	0.32	1.00	0.01	13.98	103.75	1.27	0.46	1.00	0.01
14.00	97.26	1.17	0.62	1.00	0.01	14.02	87.22	1.05	1.09	1.00	0.02
14.04	87.30	1.05	1.08	1.00	0.02	14.06	87.80	1.06	1.04	1.00	0.02
14.08	84.35	1.02	1.38	1.00	0.03	14.10	73.88	0.92	4.32	1.00	0.09
14.12	69.12	0.88	4.60	1.00	0.09	14.14	66.98	0.86	4.74	1.00	0.09
14.16	67.62	0.87	4.70	1.00	0.09	14.18	80.62	0.98	2.20	1.00	0.04
14.20	86.18	1.04	1.14	1.00	0.02	14.22	87.17	1.05	1.05	1.00	0.02
14.24	96.97	1.18	0.61	1.00	0.01	14.26	99.86	1.22	0.53	1.00	0.01
14.28	89.95	1.09	0.87	1.00	0.02	14.30	91.54	1.11	0.79	1.00	0.02
14.32	87.48	1.06	1.01	1.00	0.02	14.34	81.65	1.00	1.76	1.00	0.04
14.36	24.98	2.00	0.00	1.00	0.00	14.38	96.67	1.18	0.60	1.00	0.01
14.40	104.59	1.30	0.42	1.00	0.01	14.42	85.57	1.04	1.14	1.00	0.02
14.44	85.68	1.04	1.13	1.00	0.02	14.46	89.83	1.09	0.85	1.00	0.02
14.48	94.07	1.15	0.67	1.00	0.01	14.50	96.08	1.17	0.61	1.00	0.01
14.52	98.27	1.20	0.55	1.00	0.01	14.54	100.65	1.24	0.50	1.00	0.01
14.56	100.87	1.25	0.49	1.00	0.01	14.58	99.58	1.23	0.52	1.00	0.01
14.60	99.99	1.23	0.51	1.00	0.01	14.62	100.86	1.25	0.49	1.00	0.01
14.64	100.89	1.25	0.48	1.00	0.01	14.66	98.86	1.22	0.53	1.00	0.01
14.68	98.33	1.21	0.54	1.00	0.01	14.70	98.55	1.21	0.53	1.00	0.01
14.72	96.15	1.18	0.59	1.00	0.01	14.74	91.60	1.12	0.74	1.00	0.01
14.76	85.40	1.05	1.08	1.00	0.02	14.78	77.29	0.97	3.36	1.00	0.07
14.80	78.37	0.98	2.55	1.00	0.05	14.82	92.02	1.13	0.71	1.00	0.01
14.84	96.38	1.19	0.58	1.00	0.01	14.86	94.36	1.16	0.63	1.00	0.01
14.88	92.39	1.14	0.69	1.00	0.01	14.90	91.50	1.12	0.72	1.00	0.01
14.92	90.03	1.11	0.78	1.00	0.02	14.94	89.50	1.10	0.80	1.00	0.02
14.96	86.81	1.07	0.93	1.00	0.02	14.98	22.66	2.00	0.00	1.00	0.00
15.00	17.84	2.00	0.00	1.00	0.00	15.02	14.02	2.00	0.00	1.00	0.00
15.04	11.80	2.00	0.00	1.00	0.00	15.06	10.20	2.00	0.00	1.00	0.00
15.08	9.23	2.00	0.00	1.00	0.00	15.10	8.08	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	7.90	2.00	0.00	1.00	0.00	15.14	9.30	2.00	0.00	1.00	0.00
15.16	16.32	2.00	0.00	1.00	0.00	15.18	90.06	1.12	0.74	1.00	0.01
15.20	99.45	1.25	0.48	1.00	0.01	15.22	94.69	1.18	0.59	1.00	0.01
15.24	87.45	1.09	0.85	1.00	0.02	15.26	83.80	1.05	1.09	1.00	0.02
15.28	72.28	0.94	4.41	1.00	0.09	15.30	69.57	0.91	4.58	1.00	0.09
15.32	69.47	0.91	4.58	1.00	0.09	15.34	71.99	0.94	4.43	1.00	0.09
15.36	77.36	0.98	2.32	1.00	0.05	15.38	81.38	1.02	1.31	1.00	0.03
15.40	82.46	1.04	1.18	1.00	0.02	15.42	75.98	0.97	3.08	1.00	0.06
15.44	63.21	0.87	4.99	1.00	0.10	15.46	55.63	0.81	5.60	1.00	0.11
15.48	54.47	0.80	5.70	1.00	0.11	15.50	54.98	0.81	5.65	1.00	0.11
15.52	55.30	0.81	5.63	1.00	0.11	15.54	54.56	0.81	5.69	1.00	0.11
15.56	54.00	0.80	5.74	1.00	0.11	15.58	54.14	0.80	5.73	1.00	0.11
15.60	56.07	0.82	5.56	1.00	0.11	15.62	59.33	0.84	5.29	1.00	0.11
15.64	65.30	0.89	4.85	1.00	0.10	15.66	71.02	0.93	4.49	1.00	0.09
15.68	74.50	0.97	4.15	1.00	0.08	15.70	75.26	0.97	3.20	1.00	0.06
15.72	80.85	1.03	1.28	1.00	0.03	15.74	89.26	1.12	0.71	1.00	0.01
15.76	90.35	1.14	0.67	1.00	0.01	15.78	81.38	1.04	1.19	1.00	0.02
15.80	65.60	0.89	4.83	1.00	0.10	15.82	63.90	0.88	4.95	1.00	0.10
15.84	65.64	0.89	4.83	1.00	0.10	15.86	68.73	0.92	4.63	1.00	0.09
15.88	67.67	0.91	4.69	1.00	0.09	15.90	64.42	0.89	4.91	1.00	0.10
15.92	66.40	0.90	4.78	1.00	0.10	15.94	80.99	1.04	1.19	1.00	0.02
15.96	88.83	1.12	0.70	1.00	0.01	15.98	92.60	1.17	0.59	1.00	0.01
16.00	82.73	1.06	1.01	1.00	0.02	16.02	67.67	0.92	4.69	1.00	0.09
16.04	73.52	0.97	4.24	1.00	0.08	16.06	83.74	1.07	0.93	1.00	0.02
16.08	93.44	1.19	0.56	1.00	0.01	16.10	96.99	1.24	0.48	1.00	0.01
16.12	94.00	1.20	0.54	1.00	0.01	16.14	90.57	1.15	0.63	1.00	0.01
16.16	79.49	1.03	1.29	1.00	0.03	16.18	75.98	0.99	2.07	1.00	0.04
16.20	16.39	2.00	0.00	1.00	0.00	16.22	15.11	2.00	0.00	1.00	0.00
16.24	15.35	2.00	0.00	1.00	0.00	16.26	20.83	2.00	0.00	1.00	0.00
16.28	98.43	1.27	0.44	1.00	0.01	16.30	107.58	1.43	0.29	1.00	0.01
16.32	104.81	1.38	0.33	1.00	0.01	16.34	101.89	1.33	0.38	1.00	0.01
16.36	95.26	1.22	0.50	1.00	0.01	16.38	87.24	1.12	0.71	1.00	0.01
16.40	79.22	1.03	1.23	1.00	0.02	16.42	74.14	0.98	2.63	1.00	0.05
16.44	71.95	0.96	4.43	1.00	0.09	16.46	72.05	0.96	4.43	1.00	0.09
16.48	71.16	0.96	4.48	1.00	0.09	16.50	69.38	0.94	4.59	1.00	0.09
16.52	69.20	0.94	4.60	1.00	0.09	16.54	70.05	0.95	4.55	1.00	0.09
16.56	69.94	0.95	4.55	1.00	0.09	16.58	69.43	0.94	4.58	1.00	0.09
16.60	69.20	0.94	4.60	1.00	0.09	16.62	13.63	2.00	0.00	1.00	0.00
16.64	13.71	2.00	0.00	1.00	0.00	16.66	13.88	2.00	0.00	1.00	0.00
16.68	15.29	2.00	0.00	1.00	0.00	16.70	73.22	0.98	2.86	1.00	0.06
16.72	75.39	1.00	1.83	1.00	0.04	16.74	75.72	1.00	1.73	1.00	0.03
16.76	75.52	1.00	1.77	1.00	0.04	16.78	75.18	1.00	1.85	1.00	0.04
16.80	76.78	1.02	1.46	1.00	0.03	16.82	80.05	1.05	1.04	1.00	0.02
16.84	82.38	1.07	0.87	1.00	0.02	16.86	83.79	1.09	0.80	1.00	0.02
16.88	86.72	1.13	0.68	1.00	0.01	16.90	88.05	1.14	0.63	1.00	0.01
16.92	84.10	1.10	0.77	1.00	0.02	16.94	82.13	1.08	0.87	1.00	0.02
16.96	80.73	1.06	0.96	1.00	0.02	16.98	74.87	1.00	1.79	1.00	0.04
17.00	61.76	0.89	5.10	1.00	0.10	17.02	62.20	0.89	5.07	1.00	0.10
17.04	63.89	0.91	4.95	1.00	0.10	17.06	67.72	0.94	4.69	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	63.85	0.91	4.95	1.00	0.10	17.10	60.74	0.89	5.18	1.00	0.10
17.12	76.69	1.02	1.34	1.00	0.03	17.14	83.58	1.10	0.77	1.00	0.02
17.16	93.51	1.22	0.49	1.00	0.01	17.18	95.94	1.26	0.44	1.00	0.01
17.20	94.53	1.24	0.47	1.00	0.01	17.22	92.50	1.21	0.50	1.00	0.01
17.24	70.37	0.97	4.52	1.00	0.09	17.26	66.32	0.93	4.78	1.00	0.10
17.28	69.77	0.96	4.56	1.00	0.09	17.30	71.19	0.98	3.30	1.00	0.07
17.32	68.95	0.96	4.61	1.00	0.09	17.34	22.15	2.00	0.00	1.00	0.00
17.36	71.54	0.98	2.93	1.00	0.06	17.38	68.14	0.95	4.66	1.00	0.09
17.40	67.94	0.95	4.68	1.00	0.09	17.42	70.36	0.97	4.03	1.00	0.08
17.44	17.74	2.00	0.00	1.00	0.00	17.46	16.08	2.00	0.00	1.00	0.00
17.48	14.66	2.00	0.00	1.00	0.00	17.50	12.91	2.00	0.00	1.00	0.00
17.52	11.19	2.00	0.00	1.00	0.00	17.54	9.63	2.00	0.00	1.00	0.00
17.56	8.16	2.00	0.00	1.00	0.00	17.58	7.17	2.00	0.00	1.00	0.00
17.60	6.11	2.00	0.00	1.00	0.00	17.62	5.62	2.00	0.00	1.00	0.00
17.64	5.05	2.00	0.00	1.00	0.00	17.66	4.49	2.00	0.00	1.00	0.00
17.68	3.92	2.00	0.00	1.00	0.00	17.70	3.92	2.00	0.00	1.00	0.00
17.72	4.96	2.00	0.00	1.00	0.00	17.74	9.09	2.00	0.00	1.00	0.00
17.76	15.22	2.00	0.00	1.00	0.00	17.78	77.53	1.05	1.04	1.00	0.02
17.80	80.65	1.08	0.82	1.00	0.02	17.82	74.16	1.02	1.48	1.00	0.03
17.84	62.40	0.91	5.05	1.00	0.10	17.86	58.35	0.88	5.37	1.00	0.11
17.88	61.00	0.90	5.16	1.00	0.10	17.90	65.70	0.94	4.82	1.00	0.10
17.92	66.58	0.95	4.76	1.00	0.10	17.94	66.32	0.95	4.78	1.00	0.10
17.96	69.08	0.97	3.95	1.00	0.08	17.98	72.42	1.00	1.82	1.00	0.04
18.00	74.67	1.03	1.32	1.00	0.03	18.02	76.15	1.04	1.12	1.00	0.02
18.04	76.87	1.05	1.04	1.00	0.02	18.06	78.00	1.06	0.94	1.00	0.02
18.08	80.05	1.08	0.81	1.00	0.02	18.10	82.60	1.11	0.69	1.00	0.01
18.12	88.12	1.18	0.54	1.00	0.01	18.14	91.15	1.22	0.48	1.00	0.01
18.16	89.77	1.20	0.50	1.00	0.01	18.18	84.06	1.13	0.64	1.00	0.01
18.20	84.38	1.13	0.62	1.00	0.01	18.22	91.93	1.23	0.46	1.00	0.01
18.24	98.01	1.32	0.36	1.00	0.01	18.26	102.29	1.40	0.30	1.00	0.01
18.28	105.03	1.45	0.26	1.00	0.01	18.30	104.78	1.45	0.27	1.00	0.01
18.32	101.13	1.38	0.31	1.00	0.01	18.34	95.49	1.29	0.39	1.00	0.01
18.36	90.19	1.21	0.48	1.00	0.01	18.38	86.00	1.16	0.56	1.00	0.01
18.40	85.72	1.16	0.57	1.00	0.01	18.42	89.11	1.20	0.49	1.00	0.01
18.44	89.09	1.20	0.49	1.00	0.01	18.46	85.39	1.16	0.57	1.00	0.01
18.48	83.65	1.14	0.61	1.00	0.01	18.50	84.26	1.14	0.59	1.00	0.01
18.52	85.51	1.16	0.56	1.00	0.01	18.54	88.36	1.20	0.50	1.00	0.01
18.56	93.86	1.27	0.40	1.00	0.01	18.58	97.13	1.32	0.36	1.00	0.01
18.60	96.95	1.32	0.36	1.00	0.01	18.62	93.98	1.28	0.40	1.00	0.01
18.64	89.26	1.21	0.47	1.00	0.01	18.66	86.52	1.18	0.52	1.00	0.01
18.68	85.60	1.17	0.54	1.00	0.01	18.70	86.57	1.18	0.52	1.00	0.01
18.72	86.35	1.18	0.52	1.00	0.01	18.74	85.94	1.17	0.53	1.00	0.01
18.76	86.76	1.18	0.51	1.00	0.01	18.78	88.54	1.21	0.47	1.00	0.01
18.80	91.72	1.25	0.42	1.00	0.01	18.82	95.29	1.31	0.37	1.00	0.01
18.84	100.94	1.40	0.29	1.00	0.01	18.86	109.25	1.57	0.19	1.00	0.00
18.88	117.54	1.78	0.08	1.00	0.00	18.90	124.17	2.00	0.00	1.00	0.00
18.92	128.65	2.00	0.00	1.00	0.00	18.94	132.04	2.00	0.00	1.00	0.00
18.96	134.08	2.00	0.00	1.00	0.00	18.98	135.65	2.00	0.00	1.00	0.00
19.00	136.22	2.00	0.00	1.00	0.00	19.02	136.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	136.25	2.00	0.00	1.00	0.00	19.06	136.45	2.00	0.00	1.00	0.00
19.08	133.08	2.00	0.00	1.00	0.00	19.10	127.72	2.00	0.00	1.00	0.00
19.12	125.47	2.00	0.00	1.00	0.00	19.14	127.49	2.00	0.00	1.00	0.00
19.16	131.42	2.00	0.00	1.00	0.00	19.18	134.27	2.00	0.00	1.00	0.00
19.20	136.85	2.00	0.00	1.00	0.00	19.22	138.24	2.00	0.00	1.00	0.00
19.24	139.27	2.00	0.00	1.00	0.00	19.26	141.21	2.00	0.00	1.00	0.00
19.28	143.07	2.00	0.00	1.00	0.00	19.30	145.39	2.00	0.00	1.00	0.00
19.32	155.86	2.00	0.00	1.00	0.00	19.34	157.00	2.00	0.00	1.00	0.00
19.36	154.97	2.00	0.00	1.00	0.00	19.38	149.81	2.00	0.00	1.00	0.00
19.40	141.90	2.00	0.00	1.00	0.00	19.42	132.23	2.00	0.00	1.00	0.00
19.44	125.73	2.00	0.00	1.00	0.00	19.46	123.86	2.00	0.00	1.00	0.00
19.48	123.61	2.00	0.00	1.00	0.00	19.50	124.90	2.00	0.00	1.00	0.00
19.52	123.75	2.00	0.00	1.00	0.00	19.54	123.41	2.00	0.00	1.00	0.00
19.56	121.82	1.96	0.02	1.00	0.00	19.58	118.97	1.86	0.05	1.00	0.00
19.60	115.69	1.77	0.09	1.00	0.00	19.62	114.47	1.73	0.10	1.00	0.00
19.64	114.22	1.73	0.10	1.00	0.00	19.66	114.16	1.73	0.10	1.00	0.00
19.68	113.92	1.72	0.11	1.00	0.00	19.70	112.17	1.68	0.13	1.00	0.00
19.72	109.54	1.62	0.16	1.00	0.00	19.74	111.78	1.67	0.13	1.00	0.00
19.76	115.45	1.77	0.09	1.00	0.00	19.78	118.06	1.85	0.06	1.00	0.00
19.80	118.71	1.87	0.05	1.00	0.00	19.82	119.09	1.88	0.04	1.00	0.00
19.84	116.79	1.81	0.07	1.00	0.00	19.86	114.24	1.74	0.10	1.00	0.00
19.88	113.91	1.73	0.10	1.00	0.00	19.90	111.90	1.68	0.12	1.00	0.00
19.92	105.84	1.54	0.19	1.00	0.00	19.94	99.40	1.42	0.27	1.00	0.01
19.96	92.84	1.32	0.34	1.00	0.01	19.98	87.03	1.23	0.41	1.00	0.01
20.00	82.21	1.18	0.49	1.00	0.01						

Total estimated settlement: 36.30

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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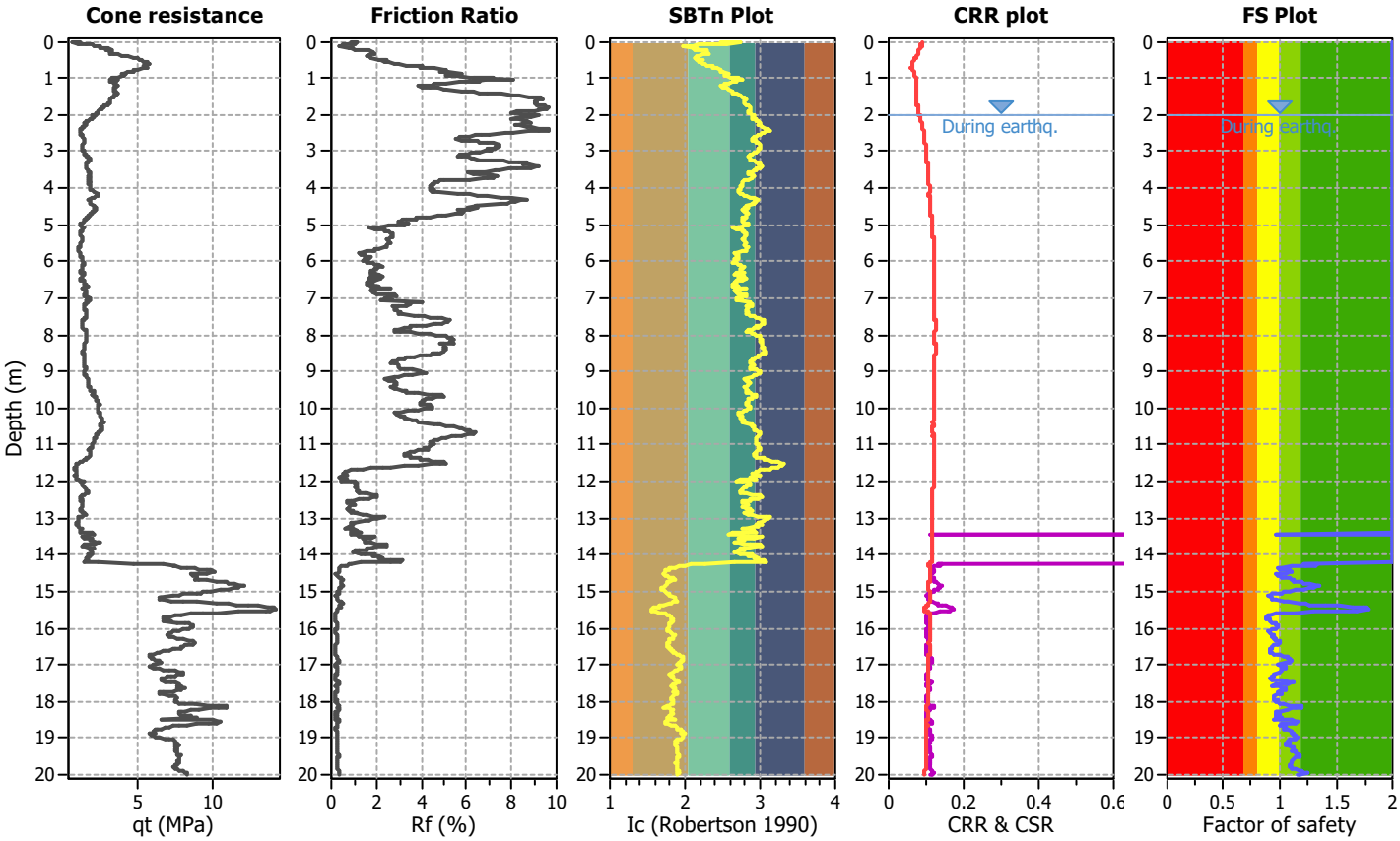
LIQUEFACTION ANALYSIS REPORT

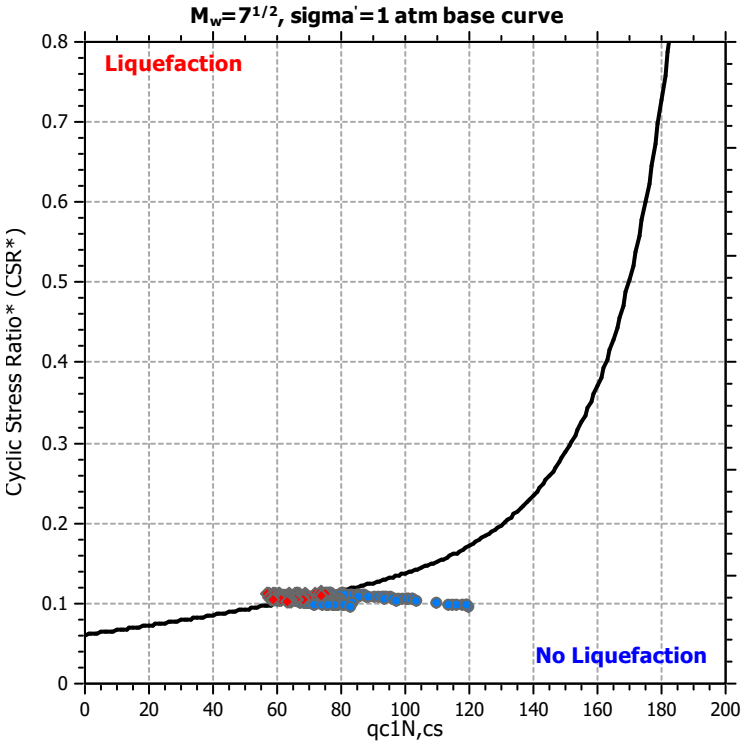
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

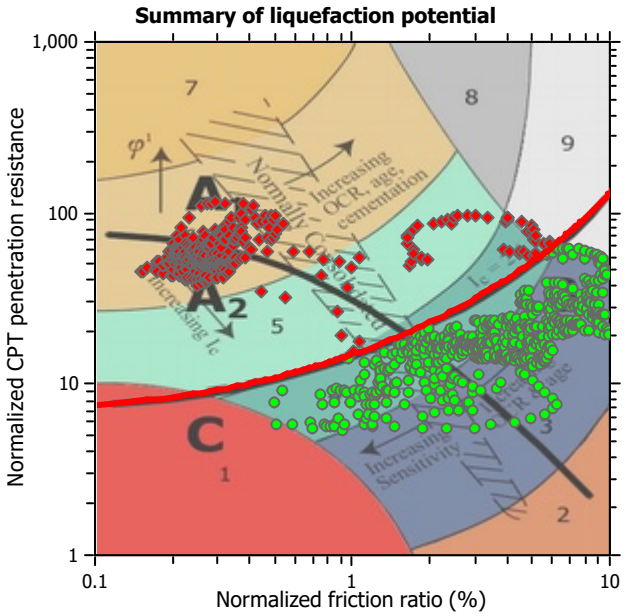
CPT file : P266

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

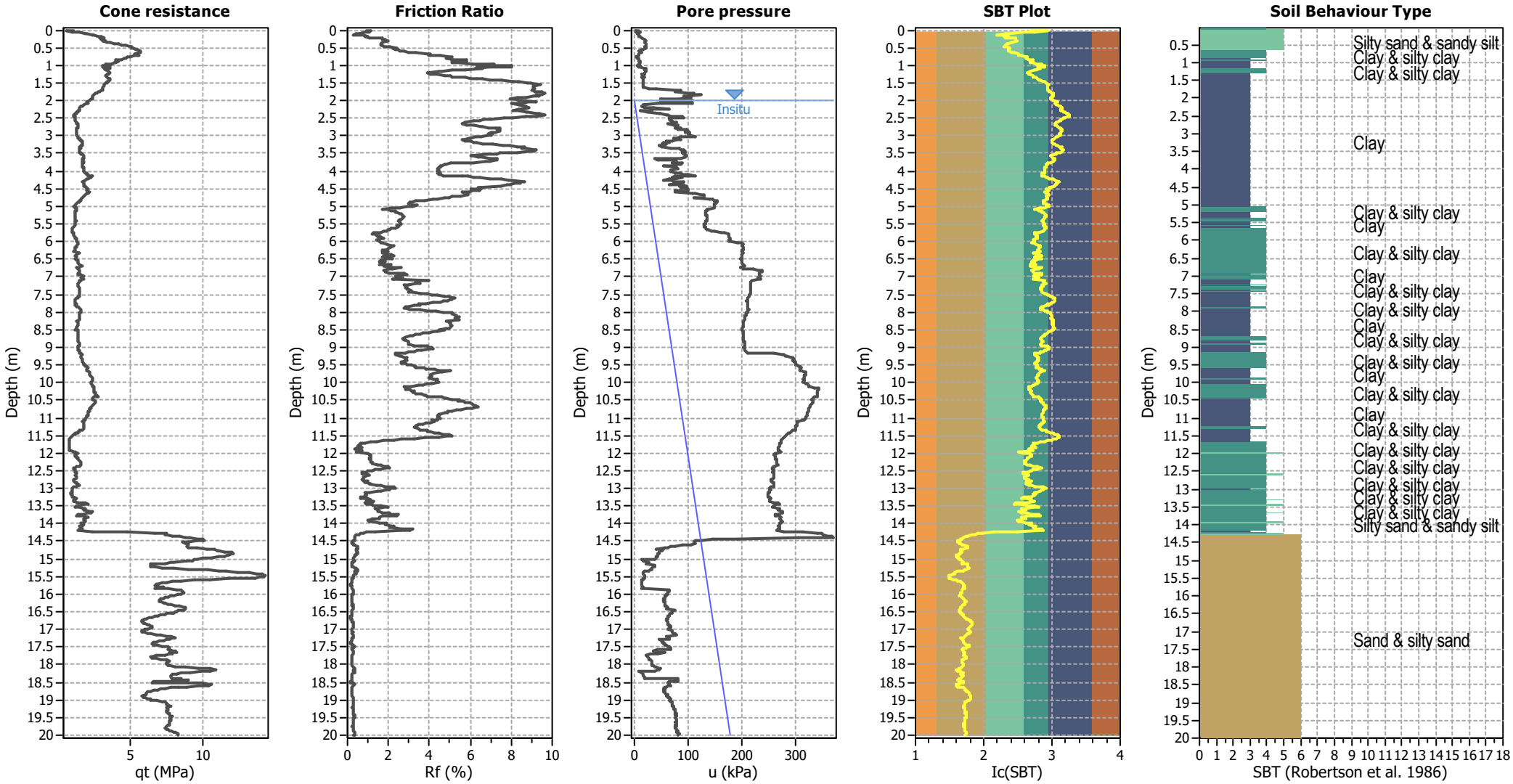






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



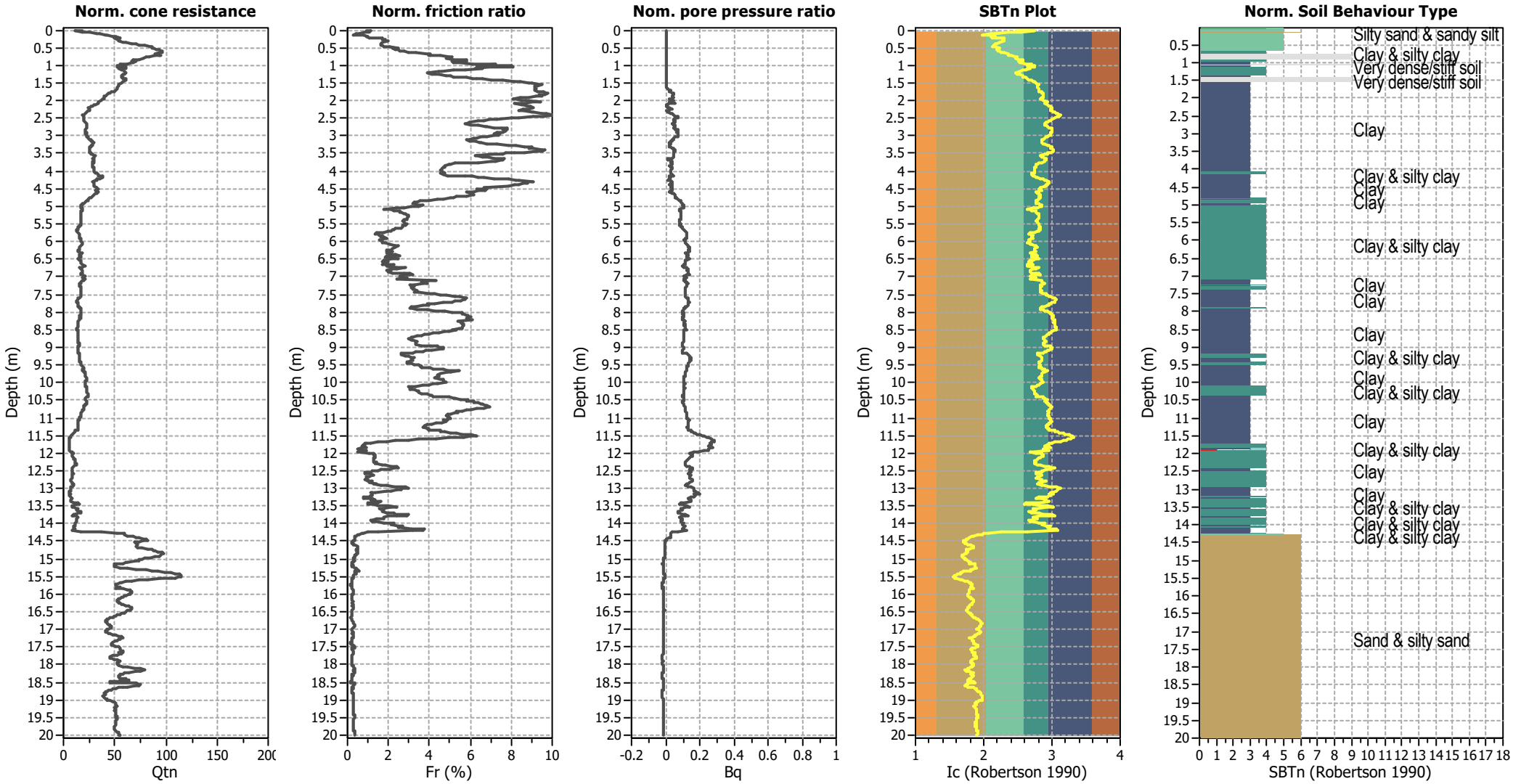
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



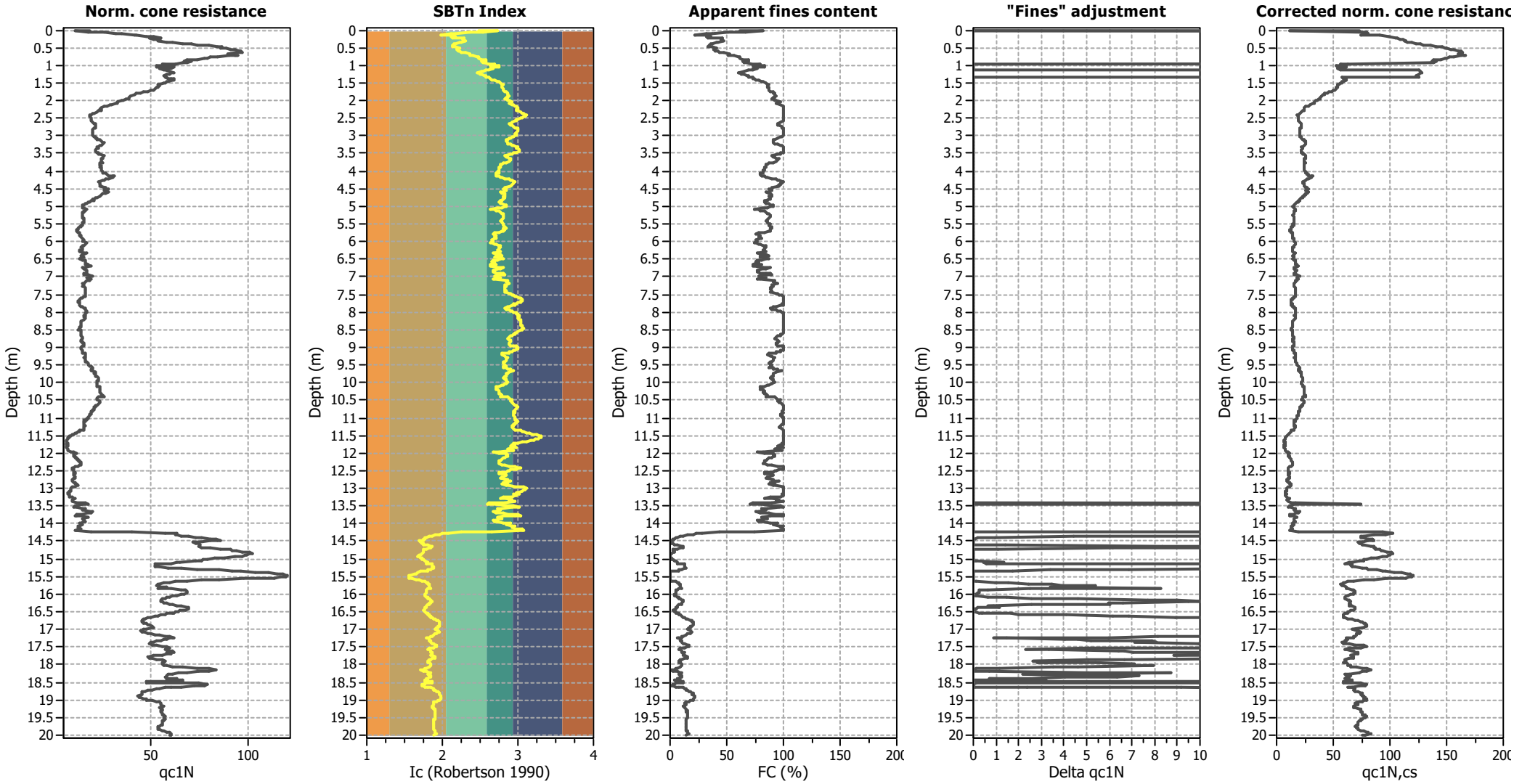
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

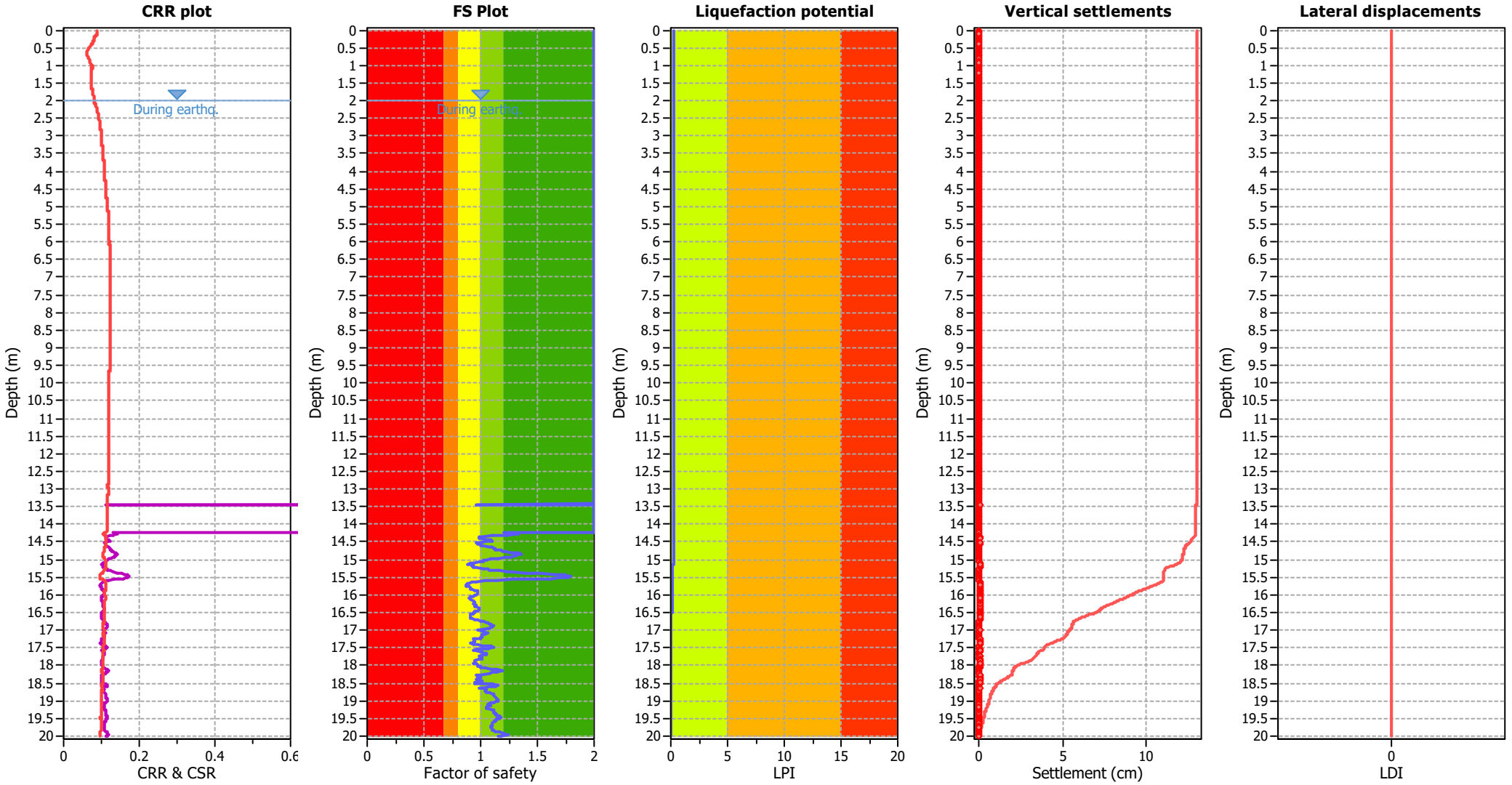
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

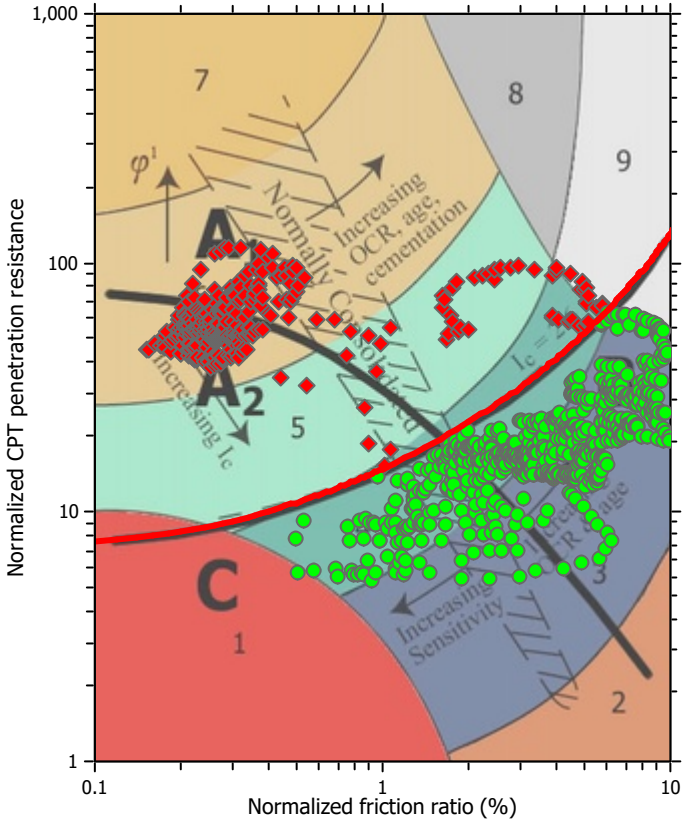
F.S. color scheme

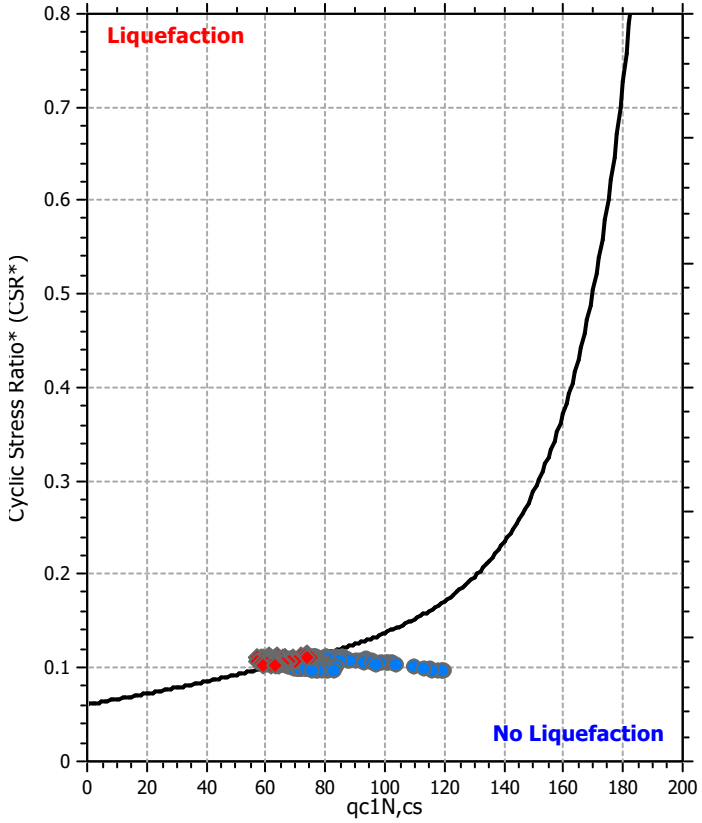
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

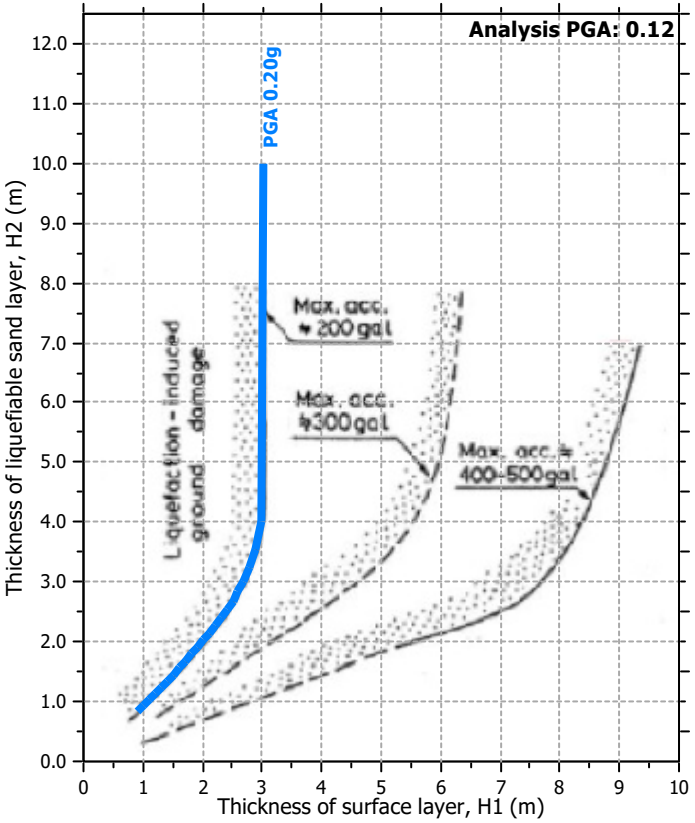
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



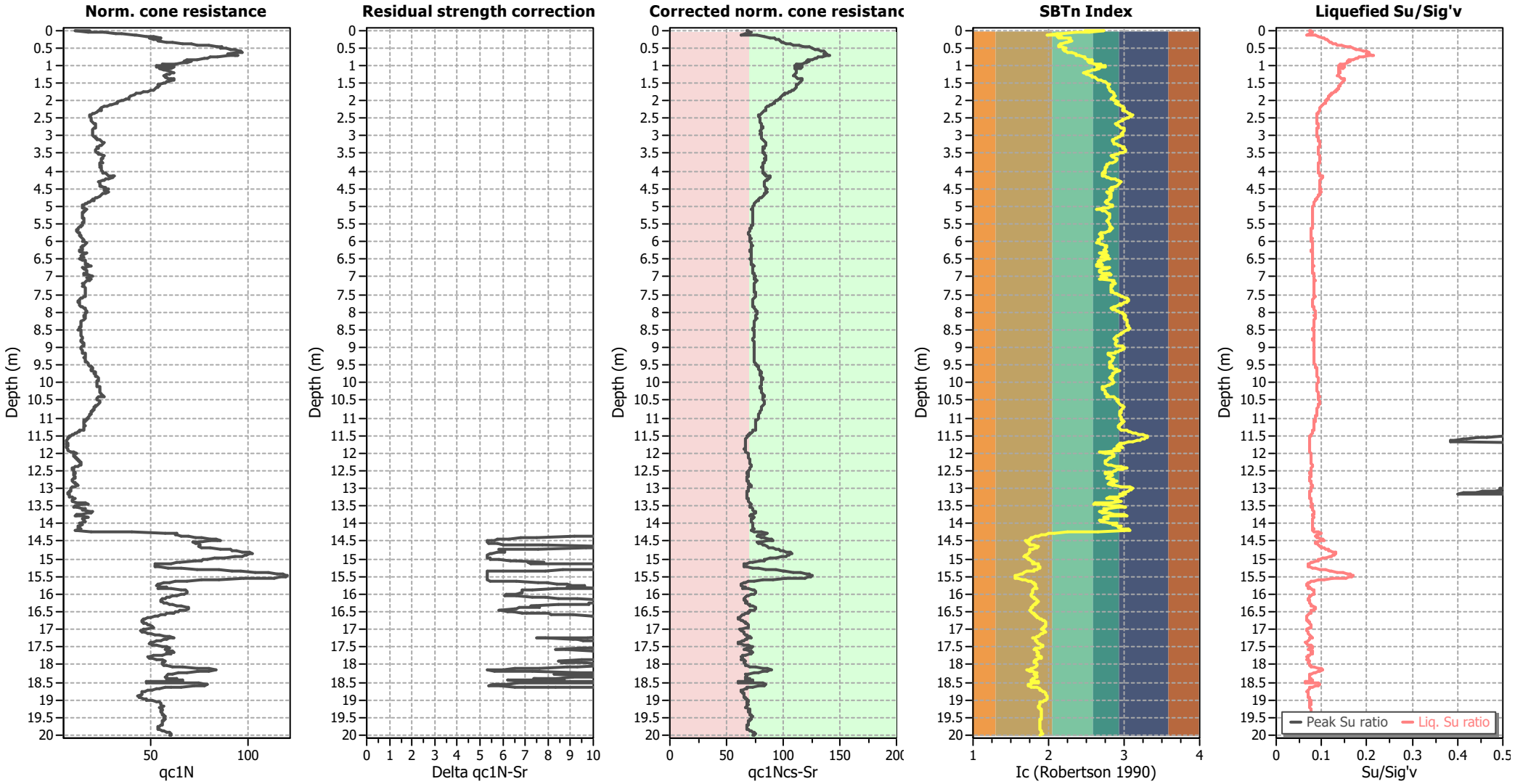




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	0.96	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	1.20	0.00	0.00	0.02	0.00
14.26	1.34	0.00	0.00	0.02	0.00	14.28	1.32	0.00	0.00	0.02	0.00
14.30	1.23	0.00	0.00	0.02	0.00	14.32	1.10	0.00	0.00	0.02	0.00
14.34	1.01	0.00	0.00	0.02	0.00	14.36	0.98	0.00	0.00	0.02	0.00
14.38	0.98	0.00	0.00	0.02	0.00	14.40	1.00	0.00	0.00	0.02	0.00
14.42	1.05	0.00	0.00	0.02	0.00	14.44	1.09	0.00	0.00	0.02	0.00
14.46	1.10	0.00	0.00	0.02	0.00	14.48	1.09	0.00	0.00	0.02	0.00
14.50	1.05	0.00	0.00	0.02	0.00	14.52	1.00	0.00	0.00	0.02	0.00
14.54	0.96	0.00	0.00	0.02	0.00	14.56	0.98	0.00	0.00	0.02	0.00
14.58	1.00	0.00	0.00	0.02	0.00	14.60	1.00	0.00	0.00	0.02	0.00
14.62	1.01	0.00	0.00	0.02	0.00	14.64	1.08	0.00	0.00	0.02	0.00
14.66	1.11	0.00	0.00	0.02	0.00	14.68	1.12	0.00	0.00	0.02	0.00
14.70	1.13	0.00	0.00	0.02	0.00	14.72	1.13	0.00	0.00	0.02	0.00
14.74	1.18	0.00	0.00	0.02	0.00	14.76	1.19	0.00	0.00	0.02	0.00
14.78	1.22	0.00	0.00	0.02	0.00	14.80	1.26	0.00	0.00	0.02	0.00
14.82	1.33	0.00	0.00	0.02	0.00	14.84	1.35	0.00	0.00	0.02	0.00
14.86	1.33	0.00	0.00	0.02	0.00	14.88	1.31	0.00	0.00	0.02	0.00
14.90	1.29	0.00	0.00	0.02	0.00	14.92	1.27	0.00	0.00	0.02	0.00
14.94	1.21	0.00	0.00	0.02	0.00	14.96	1.15	0.00	0.00	0.02	0.00
14.98	1.09	0.00	0.00	0.02	0.00	15.00	1.05	0.00	0.00	0.02	0.00
15.02	1.03	0.00	0.00	0.02	0.00	15.04	1.02	0.00	0.00	0.02	0.00
15.06	1.00	0.00	0.00	0.02	0.00	15.08	0.94	0.00	0.00	0.02	0.00
15.10	0.91	0.00	0.00	0.02	0.00	15.12	0.89	0.00	0.00	0.02	0.01
15.14	0.93	0.00	0.00	0.02	0.00	15.16	0.93	0.00	0.00	0.02	0.00
15.18	0.93	0.00	0.00	0.02	0.00	15.20	0.93	0.00	0.00	0.02	0.00
15.22	0.93	0.00	0.00	0.02	0.00	15.24	0.96	0.00	0.00	0.02	0.00
15.26	1.03	0.00	0.00	0.02	0.00	15.28	1.06	0.00	0.00	0.02	0.00
15.30	1.08	0.00	0.00	0.02	0.00	15.32	1.17	0.00	0.00	0.02	0.00
15.34	1.23	0.00	0.00	0.02	0.00	15.36	1.27	0.00	0.00	0.02	0.00
15.38	1.40	0.00	0.00	0.02	0.00	15.40	1.53	0.00	0.00	0.02	0.00
15.42	1.65	0.00	0.00	0.02	0.00	15.44	1.74	0.00	0.00	0.02	0.00
15.46	1.77	0.00	0.00	0.02	0.00	15.48	1.80	0.00	0.00	0.02	0.00
15.50	1.77	0.00	0.00	0.02	0.00	15.52	1.69	0.00	0.00	0.02	0.00
15.54	1.61	0.00	0.00	0.02	0.00	15.56	1.30	0.00	0.00	0.02	0.00
15.58	1.14	0.00	0.00	0.02	0.00	15.60	1.04	0.00	0.00	0.02	0.00
15.62	0.97	0.00	0.00	0.02	0.00	15.64	0.92	0.00	0.00	0.02	0.00
15.66	0.90	0.00	0.00	0.02	0.00	15.68	0.88	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	0.87	0.00	0.00	0.02	0.01	15.72	0.87	0.00	0.00	0.02	0.01
15.74	0.88	0.00	0.00	0.02	0.01	15.76	0.89	0.00	0.00	0.02	0.00
15.78	0.91	0.00	0.00	0.02	0.00	15.80	0.91	0.00	0.00	0.02	0.00
15.82	0.91	0.00	0.00	0.02	0.00	15.84	0.92	0.00	0.00	0.02	0.00
15.86	0.95	0.00	0.00	0.02	0.00	15.88	0.96	0.00	0.00	0.02	0.00
15.90	0.97	0.00	0.00	0.02	0.00	15.92	0.97	0.00	0.00	0.02	0.00
15.94	0.98	0.00	0.00	0.02	0.00	15.96	0.98	0.00	0.00	0.02	0.00
15.98	0.97	0.00	0.00	0.02	0.00	16.00	0.97	0.00	0.00	0.02	0.00
16.02	0.95	0.00	0.00	0.02	0.00	16.04	0.93	0.00	0.00	0.02	0.00
16.06	0.91	0.00	0.00	0.02	0.00	16.08	0.91	0.00	0.00	0.02	0.00
16.10	0.90	0.00	0.00	0.02	0.00	16.12	0.90	0.00	0.00	0.02	0.00
16.14	0.91	0.00	0.00	0.02	0.00	16.16	0.93	0.00	0.00	0.02	0.00
16.18	0.94	0.00	0.00	0.02	0.00	16.20	0.95	0.00	0.00	0.02	0.00
16.22	0.95	0.00	0.00	0.02	0.00	16.24	0.94	0.00	0.00	0.02	0.00
16.26	0.94	0.00	0.00	0.02	0.00	16.28	0.96	0.00	0.00	0.02	0.00
16.30	0.94	0.00	0.00	0.02	0.00	16.32	0.94	0.00	0.00	0.02	0.00
16.34	0.97	0.00	0.00	0.02	0.00	16.36	0.99	0.00	0.00	0.02	0.00
16.38	0.99	0.00	0.00	0.02	0.00	16.40	0.99	0.00	0.00	0.02	0.00
16.42	0.99	0.00	0.00	0.02	0.00	16.44	0.98	0.00	0.00	0.02	0.00
16.46	0.95	0.00	0.00	0.02	0.00	16.48	0.95	0.00	0.00	0.02	0.00
16.50	0.94	0.00	0.00	0.02	0.00	16.52	0.93	0.00	0.00	0.02	0.00
16.54	0.93	0.00	0.00	0.02	0.00	16.56	0.92	0.00	0.00	0.02	0.00
16.58	0.91	0.00	0.00	0.02	0.00	16.60	0.91	0.00	0.00	0.02	0.00
16.62	0.91	0.00	0.00	0.02	0.00	16.64	0.91	0.00	0.00	0.02	0.00
16.66	0.91	0.00	0.00	0.02	0.00	16.68	0.92	0.00	0.00	0.02	0.00
16.70	0.95	0.00	0.00	0.02	0.00	16.72	0.97	0.00	0.00	0.02	0.00
16.74	1.00	0.00	0.00	0.02	0.00	16.76	1.03	0.00	0.00	0.02	0.00
16.78	1.05	0.00	0.00	0.02	0.00	16.80	1.07	0.00	0.00	0.02	0.00
16.82	1.08	0.00	0.00	0.02	0.00	16.84	1.09	0.00	0.00	0.02	0.00
16.86	1.10	0.00	0.00	0.02	0.00	16.88	1.11	0.00	0.00	0.02	0.00
16.90	1.10	0.00	0.00	0.02	0.00	16.92	1.09	0.00	0.00	0.02	0.00
16.94	1.08	0.00	0.00	0.02	0.00	16.96	1.06	0.00	0.00	0.02	0.00
16.98	0.98	0.00	0.00	0.02	0.00	17.00	0.98	0.00	0.00	0.02	0.00
17.02	1.02	0.00	0.00	0.02	0.00	17.04	1.03	0.00	0.00	0.02	0.00
17.06	1.06	0.00	0.00	0.02	0.00	17.08	1.06	0.00	0.00	0.02	0.00
17.10	1.04	0.00	0.00	0.02	0.00	17.12	1.02	0.00	0.00	0.02	0.00
17.14	1.01	0.00	0.00	0.02	0.00	17.16	1.02	0.00	0.00	0.02	0.00
17.18	1.01	0.00	0.00	0.02	0.00	17.20	1.00	0.00	0.00	0.02	0.00
17.22	1.00	0.00	0.00	0.02	0.00	17.24	0.95	0.00	0.00	0.02	0.00
17.26	0.94	0.00	0.00	0.02	0.00	17.28	0.95	0.00	0.00	0.02	0.00
17.30	0.95	0.00	0.00	0.02	0.00	17.32	0.94	0.00	0.00	0.02	0.00
17.34	0.94	0.00	0.00	0.02	0.00	17.36	0.93	0.00	0.00	0.02	0.00
17.38	0.91	0.00	0.00	0.02	0.00	17.40	0.93	0.00	0.00	0.02	0.00
17.42	0.97	0.00	0.00	0.02	0.00	17.44	1.02	0.00	0.00	0.02	0.00
17.46	1.09	0.00	0.00	0.02	0.00	17.48	1.12	0.00	0.00	0.02	0.00
17.50	1.11	0.00	0.00	0.02	0.00	17.52	1.07	0.00	0.00	0.02	0.00
17.54	0.97	0.00	0.00	0.02	0.00	17.56	0.94	0.00	0.00	0.02	0.00
17.58	0.95	0.00	0.00	0.02	0.00	17.60	0.99	0.00	0.00	0.02	0.00
17.62	1.01	0.00	0.00	0.02	0.00	17.64	1.02	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	1.05	0.00	0.00	0.02	0.00	17.68	1.05	0.00	0.00	0.02	0.00
17.70	1.02	0.00	0.00	0.02	0.00	17.72	0.99	0.00	0.00	0.02	0.00
17.74	0.99	0.00	0.00	0.02	0.00	17.76	1.01	0.00	0.00	0.02	0.00
17.78	1.00	0.00	0.00	0.02	0.00	17.80	1.01	0.00	0.00	0.02	0.00
17.82	0.98	0.00	0.00	0.02	0.00	17.84	0.94	0.00	0.00	0.02	0.00
17.86	0.96	0.00	0.00	0.02	0.00	17.88	0.95	0.00	0.00	0.02	0.00
17.90	0.95	0.00	0.00	0.02	0.00	17.92	0.95	0.00	0.00	0.02	0.00
17.94	0.94	0.00	0.00	0.02	0.00	17.96	0.96	0.00	0.00	0.02	0.00
17.98	0.98	0.00	0.00	0.02	0.00	18.00	0.97	0.00	0.00	0.02	0.00
18.02	0.98	0.00	0.00	0.02	0.00	18.04	1.00	0.00	0.00	0.02	0.00
18.06	1.00	0.00	0.00	0.02	0.00	18.08	1.04	0.00	0.00	0.02	0.00
18.10	1.09	0.00	0.00	0.02	0.00	18.12	1.14	0.00	0.00	0.02	0.00
18.14	1.19	0.00	0.00	0.02	0.00	18.16	1.19	0.00	0.00	0.02	0.00
18.18	1.14	0.00	0.00	0.02	0.00	18.20	1.10	0.00	0.00	0.02	0.00
18.22	1.08	0.00	0.00	0.02	0.00	18.24	1.07	0.00	0.00	0.02	0.00
18.26	0.99	0.00	0.00	0.02	0.00	18.28	0.96	0.00	0.00	0.02	0.00
18.30	0.98	0.00	0.00	0.02	0.00	18.32	1.00	0.00	0.00	0.02	0.00
18.34	0.99	0.00	0.00	0.02	0.00	18.36	0.97	0.00	0.00	0.02	0.00
18.38	0.96	0.00	0.00	0.02	0.00	18.40	0.99	0.00	0.00	0.02	0.00
18.42	0.97	0.00	0.00	0.02	0.00	18.44	1.02	0.00	0.00	0.02	0.00
18.46	1.02	0.00	0.00	0.02	0.00	18.48	0.95	0.00	0.00	0.02	0.00
18.50	0.95	0.00	0.00	0.02	0.00	18.52	1.10	0.00	0.00	0.02	0.00
18.54	1.14	0.00	0.00	0.02	0.00	18.56	1.15	0.00	0.00	0.02	0.00
18.58	1.13	0.00	0.00	0.02	0.00	18.60	1.08	0.00	0.00	0.02	0.00
18.62	1.02	0.00	0.00	0.02	0.00	18.64	0.99	0.00	0.00	0.02	0.00
18.66	1.02	0.00	0.00	0.02	0.00	18.68	1.05	0.00	0.00	0.02	0.00
18.70	1.05	0.00	0.00	0.02	0.00	18.72	1.03	0.00	0.00	0.02	0.00
18.74	1.04	0.00	0.00	0.02	0.00	18.76	1.05	0.00	0.00	0.02	0.00
18.78	1.08	0.00	0.00	0.02	0.00	18.80	1.10	0.00	0.00	0.02	0.00
18.82	1.11	0.00	0.00	0.02	0.00	18.84	1.11	0.00	0.00	0.02	0.00
18.86	1.11	0.00	0.00	0.02	0.00	18.88	1.13	0.00	0.00	0.02	0.00
18.90	1.13	0.00	0.00	0.02	0.00	18.92	1.14	0.00	0.00	0.02	0.00
18.94	1.14	0.00	0.00	0.02	0.00	18.96	1.14	0.00	0.00	0.02	0.00
18.98	1.16	0.00	0.00	0.02	0.00	19.00	1.16	0.00	0.00	0.02	0.00
19.02	1.14	0.00	0.00	0.02	0.00	19.04	1.12	0.00	0.00	0.02	0.00
19.06	1.08	0.00	0.00	0.02	0.00	19.08	1.06	0.00	0.00	0.02	0.00
19.10	1.08	0.00	0.00	0.02	0.00	19.12	1.08	0.00	0.00	0.02	0.00
19.14	1.07	0.00	0.00	0.02	0.00	19.16	1.06	0.00	0.00	0.02	0.00
19.18	1.05	0.00	0.00	0.02	0.00	19.20	1.06	0.00	0.00	0.02	0.00
19.22	1.07	0.00	0.00	0.02	0.00	19.24	1.10	0.00	0.00	0.02	0.00
19.26	1.11	0.00	0.00	0.02	0.00	19.28	1.12	0.00	0.00	0.02	0.00
19.30	1.12	0.00	0.00	0.02	0.00	19.32	1.12	0.00	0.00	0.02	0.00
19.34	1.11	0.00	0.00	0.02	0.00	19.36	1.13	0.00	0.00	0.02	0.00
19.38	1.14	0.00	0.00	0.02	0.00	19.40	1.13	0.00	0.00	0.02	0.00
19.42	1.14	0.00	0.00	0.02	0.00	19.44	1.17	0.00	0.00	0.02	0.00
19.46	1.17	0.00	0.00	0.02	0.00	19.48	1.18	0.00	0.00	0.02	0.00
19.50	1.17	0.00	0.00	0.02	0.00	19.52	1.15	0.00	0.00	0.02	0.00
19.54	1.14	0.00	0.00	0.02	0.00	19.56	1.13	0.00	0.00	0.02	0.00
19.58	1.12	0.00	0.00	0.02	0.00	19.60	1.11	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	1.11	0.00	0.00	0.02	0.00	19.64	1.10	0.00	0.00	0.02	0.00
19.66	1.11	0.00	0.00	0.02	0.00	19.68	1.10	0.00	0.00	0.02	0.00
19.70	1.10	0.00	0.00	0.02	0.00	19.72	1.09	0.00	0.00	0.02	0.00
19.74	1.08	0.00	0.00	0.02	0.00	19.76	1.10	0.00	0.00	0.02	0.00
19.78	1.10	0.00	0.00	0.02	0.00	19.80	1.10	0.00	0.00	0.02	0.00
19.82	1.11	0.00	0.00	0.02	0.00	19.84	1.11	0.00	0.00	0.02	0.00
19.86	1.13	0.00	0.00	0.02	0.00	19.88	1.17	0.00	0.00	0.02	0.00
19.90	1.19	0.00	0.00	0.02	0.00	19.92	1.21	0.00	0.00	0.02	0.00
19.94	1.22	0.00	0.00	0.02	0.00	19.96	1.24	0.00	0.00	0.02	0.00
19.98	1.18	0.00	0.00	0.02	0.00	20.00	1.16	0.00	0.00	0.02	0.00

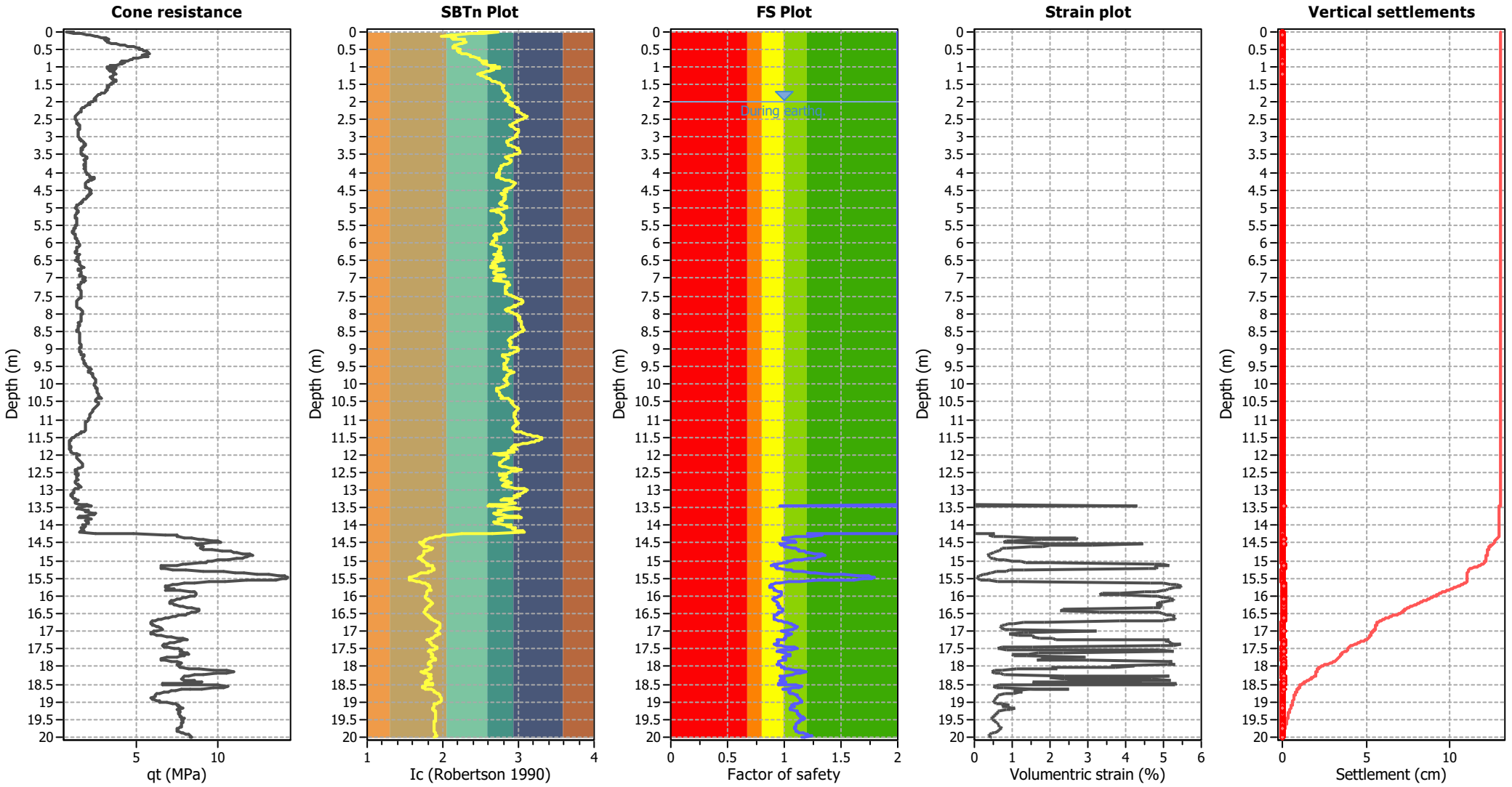
Overall liquefaction potential: 0.21

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.49	19.00	2.88	54.78	14	23732	0.09	0.000	0.00	3.58	0.00	0.000
0.04	2.74	11.09	5.11	56.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.06	2.54	17.96	3.29	59.02	16	24103	0.09	0.000	0.00	3.58	0.00	0.000
0.08	2.36	26.21	2.16	56.67	14	27813	0.09	0.000	0.00	3.58	0.00	0.000
0.10	2.18	32.40	1.57	50.77	11	27483	0.09	0.000	0.00	3.58	0.00	0.000
0.12	2.11	34.89	1.00	34.89	8	27157	0.09	0.001	0.00	3.58	0.00	0.000
0.14	1.98	41.79	1.00	41.79	9	27630	0.09	0.001	0.00	3.58	0.00	0.000
0.16	2.14	42.61	1.49	63.51	14	34485	0.08	0.001	0.00	3.58	0.00	0.000
0.18	2.16	47.65	1.53	73.08	16	39643	0.08	0.001	0.00	3.58	0.00	0.000
0.20	2.11	51.35	1.44	73.79	16	39951	0.08	0.001	0.00	3.58	0.00	0.000
0.22	2.13	55.21	1.47	80.95	18	43925	0.08	0.001	0.00	3.58	0.00	0.000
0.24	2.29	49.50	1.88	93.24	22	48186	0.08	0.001	0.00	3.58	0.00	0.000
0.26	2.28	51.88	1.84	95.54	22	49747	0.08	0.001	0.00	3.58	0.00	0.000
0.28	2.29	53.05	1.89	100.40	24	51805	0.08	0.001	0.00	3.58	0.00	0.000
0.30	2.28	55.40	1.85	102.61	24	53329	0.08	0.001	0.00	3.58	0.00	0.000
0.32	2.31	53.55	1.96	104.79	25	53435	0.08	0.001	0.00	3.58	0.00	0.000
0.34	2.24	58.23	1.74	101.09	23	53577	0.08	0.001	0.00	3.58	0.00	0.000
0.36	2.23	61.42	1.68	103.25	24	55172	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.18	66.62	1.57	104.53	23	56574	0.08	0.001	0.00	3.58	0.00	0.000
0.40	2.16	71.31	1.52	108.63	24	58952	0.07	0.001	0.00	3.58	0.00	0.000
0.42	2.15	74.15	1.50	111.05	24	60295	0.07	0.001	0.00	3.58	0.00	0.000
0.44	2.14	80.02	1.49	119.02	26	64619	0.07	0.001	0.00	3.58	0.00	0.000
0.46	2.13	84.71	1.47	124.84	27	67760	0.07	0.001	0.00	3.58	0.00	0.000
0.48	2.17	86.54	1.55	133.86	30	72559	0.07	0.001	0.00	3.58	0.00	0.000
0.50	2.22	85.87	1.68	144.08	33	77024	0.07	0.001	0.00	3.58	0.00	0.000
0.52	2.19	88.56	1.58	139.98	31	75685	0.07	0.001	0.00	3.58	0.00	0.000
0.54	2.19	91.20	1.59	145.34	33	78491	0.06	0.001	0.00	3.58	0.00	0.000
0.56	2.20	93.19	1.62	150.84	34	81246	0.06	0.001	0.00	3.58	0.00	0.000
0.58	2.21	95.35	1.64	156.27	35	83971	0.06	0.001	0.00	3.58	0.00	0.000
0.60	2.23	95.86	1.70	163.38	37	87012	0.06	0.001	0.00	3.58	0.00	0.000
0.62	2.25	96.86	1.76	170.66	39	90077	0.06	0.001	0.00	3.58	0.00	0.000
0.64	2.30	93.83	1.93	180.73	43	92684	0.06	0.001	0.00	3.58	0.00	0.000
0.66	2.36	89.78	2.19	196.58	48	95982	0.06	0.001	0.00	3.58	0.00	0.000
0.68	2.37	91.79	2.21	202.53	49	98578	0.06	0.001	0.00	3.58	0.00	0.000
0.70	2.36	93.45	2.17	202.80	49	99378	0.06	0.001	0.00	3.58	0.00	0.000
0.72	2.36	94.96	2.16	205.42	50	100789	0.06	0.001	0.00	3.58	0.00	0.000
0.74	2.41	89.92	2.44	219.28	54	102320	0.06	0.001	0.00	3.58	0.00	0.000
0.76	2.46	84.17	2.73	230.11	58	102111	0.06	0.001	0.00	3.58	0.00	0.000
0.78	2.48	80.32	2.86	229.61	59	99872	0.07	0.001	0.00	3.58	0.00	0.000
0.80	2.48	78.64	2.86	225.26	58	97892	0.07	0.001	0.00	3.58	0.00	0.000
0.82	2.47	77.47	2.81	217.75	55	95434	0.07	0.001	0.00	3.58	0.00	0.000
0.84	2.51	73.95	3.05	225.75	58	95326	0.07	0.001	0.00	3.58	0.00	0.000
0.86	2.57	68.40	3.51	239.89	64	95136	0.07	0.001	0.00	3.58	0.00	0.000
0.88	2.58	67.06	3.55	238.33	64	93950	0.07	0.001	0.00	3.58	0.00	0.000
0.90	2.52	70.59	3.11	219.76	57	91978	0.07	0.001	0.00	3.58	0.00	0.000
0.92	2.53	68.40	3.20	218.57	57	90407	0.07	0.002	0.00	3.58	0.00	0.000
0.94	2.56	66.38	3.44	228.12	61	91302	0.07	0.002	0.00	3.58	0.00	0.000
0.96	2.62	62.17	3.89	241.58	0	0	0.07	0.000	0.00	0.00	0.00	0.000
0.98	2.70	55.78	4.70	262.34	0	0	0.07	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.63	61.66	4.01	247.31	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.02	2.75	52.74	5.27	278.11	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.04	2.75	53.07	5.28	280.28	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.06	2.66	61.64	4.27	263.24	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.08	2.63	60.50	4.02	243.10	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.10	2.68	53.96	4.51	243.44	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.12	2.62	56.48	3.95	223.20	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.14	2.58	57.47	3.59	206.23	55	80946	0.07	0.002	0.00	3.58	0.00	0.000
1.16	2.53	59.66	3.22	191.83	50	79124	0.07	0.002	0.00	3.58	0.00	0.000
1.18	2.53	59.31	3.18	188.31	49	78116	0.07	0.002	0.00	3.58	0.00	0.000
1.20	2.47	61.47	2.79	171.26	44	75360	0.07	0.002	0.00	3.58	0.00	0.000
1.22	2.48	60.29	2.82	169.98	43	74394	0.07	0.002	0.00	3.58	0.00	0.000
1.24	2.50	59.11	2.96	175.05	45	74936	0.07	0.003	0.00	3.58	0.00	0.000
1.26	2.53	58.24	3.18	185.19	48	76772	0.07	0.002	0.00	3.58	0.00	0.000
1.28	2.56	56.23	3.45	194.15	52	77541	0.07	0.003	0.00	3.58	0.00	0.000
1.30	2.58	56.56	3.57	202.18	54	79496	0.07	0.002	0.00	3.58	0.00	0.000
1.32	2.58	58.24	3.56	207.50	56	81709	0.07	0.002	0.00	3.58	0.00	0.000
1.34	2.62	57.38	3.93	225.77	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.36	2.63	58.55	4.01	234.80	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.38	2.63	60.39	4.06	244.90	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.40	2.64	61.56	4.14	255.15	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.42	2.66	61.56	4.33	266.64	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.44	2.69	61.05	4.63	282.76	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.46	2.73	58.85	4.98	292.83	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.48	2.74	57.84	5.17	299.17	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.50	2.76	56.83	5.42	308.19	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.52	2.77	56.31	5.53	311.27	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.54	2.79	54.46	5.78	314.59	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.56	2.81	53.28	5.92	315.24	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.58	2.79	53.78	5.78	310.74	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.60	2.79	53.27	5.77	307.31	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.62	2.79	53.10	5.78	306.92	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.64	2.79	52.78	5.79	305.53	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.66	2.80	52.14	5.87	306.21	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.68	2.80	51.87	5.86	304.12	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.70	2.80	51.57	5.86	302.23	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.72	2.81	50.44	5.96	300.69	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.74	2.82	49.20	6.09	299.40	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.76	2.85	46.67	6.44	300.35	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.78	2.86	45.14	6.60	297.78	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.80	2.87	43.51	6.79	295.32	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.82	2.87	42.83	6.79	290.70	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.84	2.86	42.57	6.67	283.90	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.86	2.88	40.73	6.91	281.57	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.88	2.87	40.18	6.81	273.80	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.90	2.86	39.75	6.68	265.68	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.92	2.84	40.23	6.40	257.42	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.94	2.83	40.30	6.22	250.74	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.96	2.85	38.58	6.48	250.06	0	0	0.08	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.87	37.54	6.71	252.00	0	0	0.08	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	34.87	2.00	0.00	1.00	0.00	2.02	32.73	2.00	0.00	1.00	0.00
2.04	32.81	2.00	0.00	1.00	0.00	2.06	33.19	2.00	0.00	1.00	0.00
2.08	32.53	2.00	0.00	1.00	0.00	2.10	32.32	2.00	0.00	1.00	0.00
2.12	29.85	2.00	0.00	1.00	0.00	2.14	29.05	2.00	0.00	1.00	0.00
2.16	27.64	2.00	0.00	1.00	0.00	2.18	25.94	2.00	0.00	1.00	0.00
2.20	24.68	2.00	0.00	1.00	0.00	2.22	24.33	2.00	0.00	1.00	0.00
2.24	24.27	2.00	0.00	1.00	0.00	2.26	24.52	2.00	0.00	1.00	0.00
2.28	24.32	2.00	0.00	1.00	0.00	2.30	23.52	2.00	0.00	1.00	0.00
2.32	22.42	2.00	0.00	1.00	0.00	2.34	22.07	2.00	0.00	1.00	0.00
2.36	20.97	2.00	0.00	1.00	0.00	2.38	20.33	2.00	0.00	1.00	0.00
2.40	19.53	2.00	0.00	1.00	0.00	2.42	18.58	2.00	0.00	1.00	0.00
2.44	18.69	2.00	0.00	1.00	0.00	2.46	18.80	2.00	0.00	1.00	0.00
2.48	19.21	2.00	0.00	1.00	0.00	2.50	19.32	2.00	0.00	1.00	0.00
2.52	19.58	2.00	0.00	1.00	0.00	2.54	19.40	2.00	0.00	1.00	0.00
2.56	19.51	2.00	0.00	1.00	0.00	2.58	19.62	2.00	0.00	1.00	0.00
2.60	20.18	2.00	0.00	1.00	0.00	2.62	20.44	2.00	0.00	1.00	0.00
2.64	21.28	2.00	0.00	1.00	0.00	2.66	21.83	2.00	0.00	1.00	0.00
2.68	21.78	2.00	0.00	1.00	0.00	2.70	21.74	2.00	0.00	1.00	0.00
2.72	21.54	2.00	0.00	1.00	0.00	2.74	21.79	2.00	0.00	1.00	0.00
2.76	21.74	2.00	0.00	1.00	0.00	2.78	21.27	2.00	0.00	1.00	0.00
2.80	20.65	2.00	0.00	1.00	0.00	2.82	20.17	2.00	0.00	1.00	0.00
2.84	20.13	2.00	0.00	1.00	0.00	2.86	19.95	2.00	0.00	1.00	0.00
2.88	20.05	2.00	0.00	1.00	0.00	2.90	20.16	2.00	0.00	1.00	0.00
2.92	20.26	2.00	0.00	1.00	0.00	2.94	20.37	2.00	0.00	1.00	0.00
2.96	19.90	2.00	0.00	1.00	0.00	2.98	20.15	2.00	0.00	1.00	0.00
3.00	20.40	2.00	0.00	1.00	0.00	3.02	20.79	2.00	0.00	1.00	0.00
3.04	21.32	2.00	0.00	1.00	0.00	3.06	21.85	2.00	0.00	1.00	0.00
3.08	22.24	2.00	0.00	1.00	0.00	3.10	22.76	2.00	0.00	1.00	0.00
3.12	23.85	2.00	0.00	1.00	0.00	3.14	24.50	2.00	0.00	1.00	0.00
3.16	25.00	2.00	0.00	1.00	0.00	3.18	25.51	2.00	0.00	1.00	0.00
3.20	25.87	2.00	0.00	1.00	0.00	3.22	25.68	2.00	0.00	1.00	0.00
3.24	25.08	2.00	0.00	1.00	0.00	3.26	24.75	2.00	0.00	1.00	0.00
3.28	24.15	2.00	0.00	1.00	0.00	3.30	23.28	2.00	0.00	1.00	0.00
3.32	22.42	2.00	0.00	1.00	0.00	3.34	22.92	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	22.47	2.00	0.00	1.00	0.00	3.38	21.88	2.00	0.00	1.00	0.00
3.40	21.84	2.00	0.00	1.00	0.00	3.42	21.80	2.00	0.00	1.00	0.00
3.44	21.76	2.00	0.00	1.00	0.00	3.46	22.27	2.00	0.00	1.00	0.00
3.48	22.77	2.00	0.00	1.00	0.00	3.50	23.28	2.00	0.00	1.00	0.00
3.52	23.10	2.00	0.00	1.00	0.00	3.54	23.88	2.00	0.00	1.00	0.00
3.56	25.86	2.00	0.00	1.00	0.00	3.58	26.08	2.00	0.00	1.00	0.00
3.60	25.77	2.00	0.00	1.00	0.00	3.62	25.58	2.00	0.00	1.00	0.00
3.64	25.14	2.00	0.00	1.00	0.00	3.66	24.56	2.00	0.00	1.00	0.00
3.68	24.91	2.00	0.00	1.00	0.00	3.70	24.74	2.00	0.00	1.00	0.00
3.72	24.70	2.00	0.00	1.00	0.00	3.74	24.40	2.00	0.00	1.00	0.00
3.76	25.29	2.00	0.00	1.00	0.00	3.78	23.82	2.00	0.00	1.00	0.00
3.80	23.91	2.00	0.00	1.00	0.00	3.82	24.27	2.00	0.00	1.00	0.00
3.84	24.24	2.00	0.00	1.00	0.00	3.86	24.33	2.00	0.00	1.00	0.00
3.88	24.03	2.00	0.00	1.00	0.00	3.90	24.52	2.00	0.00	1.00	0.00
3.92	24.61	2.00	0.00	1.00	0.00	3.94	24.58	2.00	0.00	1.00	0.00
3.96	24.54	2.00	0.00	1.00	0.00	3.98	24.76	2.00	0.00	1.00	0.00
4.00	25.11	2.00	0.00	1.00	0.00	4.02	25.07	2.00	0.00	1.00	0.00
4.04	25.55	2.00	0.00	1.00	0.00	4.06	27.06	2.00	0.00	1.00	0.00
4.08	27.40	2.00	0.00	1.00	0.00	4.10	28.00	2.00	0.00	1.00	0.00
4.12	28.08	2.00	0.00	1.00	0.00	4.14	31.57	2.00	0.00	1.00	0.00
4.16	31.01	2.00	0.00	1.00	0.00	4.18	30.95	2.00	0.00	1.00	0.00
4.20	30.39	2.00	0.00	1.00	0.00	4.22	28.70	2.00	0.00	1.00	0.00
4.24	26.87	2.00	0.00	1.00	0.00	4.26	26.07	2.00	0.00	1.00	0.00
4.28	25.13	2.00	0.00	1.00	0.00	4.30	23.31	2.00	0.00	1.00	0.00
4.32	23.66	2.00	0.00	1.00	0.00	4.34	23.62	2.00	0.00	1.00	0.00
4.36	23.96	2.00	0.00	1.00	0.00	4.38	23.93	2.00	0.00	1.00	0.00
4.40	24.14	2.00	0.00	1.00	0.00	4.42	24.61	2.00	0.00	1.00	0.00
4.44	23.94	2.00	0.00	1.00	0.00	4.46	26.93	2.00	0.00	1.00	0.00
4.48	26.26	2.00	0.00	1.00	0.00	4.50	26.34	2.00	0.00	1.00	0.00
4.52	28.05	2.00	0.00	1.00	0.00	4.54	26.14	2.00	0.00	1.00	0.00
4.56	26.73	2.00	0.00	1.00	0.00	4.58	27.18	2.00	0.00	1.00	0.00
4.60	28.26	2.00	0.00	1.00	0.00	4.62	26.98	2.00	0.00	1.00	0.00
4.64	25.70	2.00	0.00	1.00	0.00	4.66	25.05	2.00	0.00	1.00	0.00
4.68	24.39	2.00	0.00	1.00	0.00	4.70	23.74	2.00	0.00	1.00	0.00
4.72	23.71	2.00	0.00	1.00	0.00	4.74	22.44	2.00	0.00	1.00	0.00
4.76	21.42	2.00	0.00	1.00	0.00	4.78	20.65	2.00	0.00	1.00	0.00
4.80	20.37	2.00	0.00	1.00	0.00	4.82	20.60	2.00	0.00	1.00	0.00
4.84	19.58	2.00	0.00	1.00	0.00	4.86	19.18	2.00	0.00	1.00	0.00
4.88	18.79	2.00	0.00	1.00	0.00	4.90	18.02	2.00	0.00	1.00	0.00
4.92	17.25	2.00	0.00	1.00	0.00	4.94	16.23	2.00	0.00	1.00	0.00
4.96	15.71	2.00	0.00	1.00	0.00	4.98	15.31	2.00	0.00	1.00	0.00
5.00	14.79	2.00	0.00	1.00	0.00	5.02	14.65	2.00	0.00	1.00	0.00
5.04	15.26	2.00	0.00	1.00	0.00	5.06	15.99	2.00	0.00	1.00	0.00
5.08	17.11	2.00	0.00	1.00	0.00	5.10	16.83	2.00	0.00	1.00	0.00
5.12	16.81	2.00	0.00	1.00	0.00	5.14	15.42	2.00	0.00	1.00	0.00
5.16	15.40	2.00	0.00	1.00	0.00	5.18	15.26	2.00	0.00	1.00	0.00
5.20	14.99	2.00	0.00	1.00	0.00	5.22	14.85	2.00	0.00	1.00	0.00
5.24	14.70	2.00	0.00	1.00	0.00	5.26	14.69	2.00	0.00	1.00	0.00
5.28	14.79	2.00	0.00	1.00	0.00	5.30	15.02	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	15.25	2.00	0.00	1.00	0.00	5.34	15.35	2.00	0.00	1.00	0.00
5.36	15.45	2.00	0.00	1.00	0.00	5.38	15.56	2.00	0.00	1.00	0.00
5.40	15.78	2.00	0.00	1.00	0.00	5.42	15.52	2.00	0.00	1.00	0.00
5.44	15.38	2.00	0.00	1.00	0.00	5.46	15.24	2.00	0.00	1.00	0.00
5.48	14.86	2.00	0.00	1.00	0.00	5.50	14.72	2.00	0.00	1.00	0.00
5.52	14.82	2.00	0.00	1.00	0.00	5.54	14.68	2.00	0.00	1.00	0.00
5.56	14.55	2.00	0.00	1.00	0.00	5.58	13.92	2.00	0.00	1.00	0.00
5.60	13.42	2.00	0.00	1.00	0.00	5.62	12.92	2.00	0.00	1.00	0.00
5.64	12.91	2.00	0.00	1.00	0.00	5.66	12.54	2.00	0.00	1.00	0.00
5.68	12.16	2.00	0.00	1.00	0.00	5.70	12.15	2.00	0.00	1.00	0.00
5.72	12.26	2.00	0.00	1.00	0.00	5.74	12.85	2.00	0.00	1.00	0.00
5.76	13.57	2.00	0.00	1.00	0.00	5.78	13.80	2.00	0.00	1.00	0.00
5.80	13.78	2.00	0.00	1.00	0.00	5.82	13.88	2.00	0.00	1.00	0.00
5.84	13.75	2.00	0.00	1.00	0.00	5.86	14.33	2.00	0.00	1.00	0.00
5.88	14.43	2.00	0.00	1.00	0.00	5.90	14.65	2.00	0.00	1.00	0.00
5.92	15.11	2.00	0.00	1.00	0.00	5.94	15.58	2.00	0.00	1.00	0.00
5.96	15.56	2.00	0.00	1.00	0.00	5.98	15.31	2.00	0.00	1.00	0.00
6.00	15.53	2.00	0.00	1.00	0.00	6.02	17.16	2.00	0.00	1.00	0.00
6.04	17.14	2.00	0.00	1.00	0.00	6.06	16.53	2.00	0.00	1.00	0.00
6.08	16.28	2.00	0.00	1.00	0.00	6.10	15.55	2.00	0.00	1.00	0.00
6.12	15.06	2.00	0.00	1.00	0.00	6.14	14.93	2.00	0.00	1.00	0.00
6.16	14.32	2.00	0.00	1.00	0.00	6.18	14.66	2.00	0.00	1.00	0.00
6.20	14.64	2.00	0.00	1.00	0.00	6.22	14.63	2.00	0.00	1.00	0.00
6.24	14.50	2.00	0.00	1.00	0.00	6.26	13.78	2.00	0.00	1.00	0.00
6.28	13.53	2.00	0.00	1.00	0.00	6.30	13.75	2.00	0.00	1.00	0.00
6.32	15.84	2.00	0.00	1.00	0.00	6.34	16.98	2.00	0.00	1.00	0.00
6.36	15.68	2.00	0.00	1.00	0.00	6.38	14.97	2.00	0.00	1.00	0.00
6.40	14.48	2.00	0.00	1.00	0.00	6.42	15.29	2.00	0.00	1.00	0.00
6.44	15.39	2.00	0.00	1.00	0.00	6.46	14.91	2.00	0.00	1.00	0.00
6.48	13.73	2.00	0.00	1.00	0.00	6.50	13.72	2.00	0.00	1.00	0.00
6.52	14.86	2.00	0.00	1.00	0.00	6.54	16.35	2.00	0.00	1.00	0.00
6.56	16.56	2.00	0.00	1.00	0.00	6.58	16.31	2.00	0.00	1.00	0.00
6.60	16.18	2.00	0.00	1.00	0.00	6.62	16.51	2.00	0.00	1.00	0.00
6.64	17.75	2.00	0.00	1.00	0.00	6.66	16.81	2.00	0.00	1.00	0.00
6.68	19.65	2.00	0.00	1.00	0.00	6.70	18.72	2.00	0.00	1.00	0.00
6.72	16.75	2.00	0.00	1.00	0.00	6.74	15.14	2.00	0.00	1.00	0.00
6.76	15.47	2.00	0.00	1.00	0.00	6.78	15.91	2.00	0.00	1.00	0.00
6.80	17.15	2.00	0.00	1.00	0.00	6.82	17.46	2.00	0.00	1.00	0.00
6.84	17.11	2.00	0.00	1.00	0.00	6.86	17.20	2.00	0.00	1.00	0.00
6.88	17.07	2.00	0.00	1.00	0.00	6.90	16.48	2.00	0.00	1.00	0.00
6.92	16.01	2.00	0.00	1.00	0.00	6.94	15.88	2.00	0.00	1.00	0.00
6.96	17.66	2.00	0.00	1.00	0.00	6.98	20.22	2.00	0.00	1.00	0.00
7.00	19.64	2.00	0.00	1.00	0.00	7.02	18.28	2.00	0.00	1.00	0.00
7.04	17.58	2.00	0.00	1.00	0.00	7.06	19.81	2.00	0.00	1.00	0.00
7.08	18.56	2.00	0.00	1.00	0.00	7.10	18.41	2.00	0.00	1.00	0.00
7.12	17.17	2.00	0.00	1.00	0.00	7.14	16.59	2.00	0.00	1.00	0.00
7.16	16.35	2.00	0.00	1.00	0.00	7.18	15.44	2.00	0.00	1.00	0.00
7.20	15.09	2.00	0.00	1.00	0.00	7.22	15.41	2.00	0.00	1.00	0.00
7.24	15.51	2.00	0.00	1.00	0.00	7.26	15.16	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	15.70	2.00	0.00	1.00	0.00	7.30	16.12	2.00	0.00	1.00	0.00
7.32	16.11	2.00	0.00	1.00	0.00	7.34	16.20	2.00	0.00	1.00	0.00
7.36	16.62	2.00	0.00	1.00	0.00	7.38	16.60	2.00	0.00	1.00	0.00
7.40	16.37	2.00	0.00	1.00	0.00	7.42	16.57	2.00	0.00	1.00	0.00
7.44	16.66	2.00	0.00	1.00	0.00	7.46	16.53	2.00	0.00	1.00	0.00
7.48	16.18	2.00	0.00	1.00	0.00	7.50	16.16	2.00	0.00	1.00	0.00
7.52	16.14	2.00	0.00	1.00	0.00	7.54	16.13	2.00	0.00	1.00	0.00
7.56	15.78	2.00	0.00	1.00	0.00	7.58	14.89	2.00	0.00	1.00	0.00
7.60	14.22	2.00	0.00	1.00	0.00	7.62	13.99	2.00	0.00	1.00	0.00
7.64	13.53	2.00	0.00	1.00	0.00	7.66	13.41	2.00	0.00	1.00	0.00
7.68	13.18	2.00	0.00	1.00	0.00	7.70	13.06	2.00	0.00	1.00	0.00
7.72	13.04	2.00	0.00	1.00	0.00	7.74	13.25	2.00	0.00	1.00	0.00
7.76	13.45	2.00	0.00	1.00	0.00	7.78	13.65	2.00	0.00	1.00	0.00
7.80	13.31	2.00	0.00	1.00	0.00	7.82	13.73	2.00	0.00	1.00	0.00
7.84	14.48	2.00	0.00	1.00	0.00	7.86	15.11	2.00	0.00	1.00	0.00
7.88	15.74	2.00	0.00	1.00	0.00	7.90	16.37	2.00	0.00	1.00	0.00
7.92	16.78	2.00	0.00	1.00	0.00	7.94	16.76	2.00	0.00	1.00	0.00
7.96	16.96	2.00	0.00	1.00	0.00	7.98	16.94	2.00	0.00	1.00	0.00
8.00	16.92	2.00	0.00	1.00	0.00	8.02	16.37	2.00	0.00	1.00	0.00
8.04	16.46	2.00	0.00	1.00	0.00	8.06	16.33	2.00	0.00	1.00	0.00
8.08	16.10	2.00	0.00	1.00	0.00	8.10	15.98	2.00	0.00	1.00	0.00
8.12	16.17	2.00	0.00	1.00	0.00	8.14	16.05	2.00	0.00	1.00	0.00
8.16	16.35	2.00	0.00	1.00	0.00	8.18	16.12	2.00	0.00	1.00	0.00
8.20	15.89	2.00	0.00	1.00	0.00	8.22	15.45	2.00	0.00	1.00	0.00
8.24	14.17	2.00	0.00	1.00	0.00	8.26	14.37	2.00	0.00	1.00	0.00
8.28	14.56	2.00	0.00	1.00	0.00	8.30	14.55	2.00	0.00	1.00	0.00
8.32	14.53	2.00	0.00	1.00	0.00	8.34	14.31	2.00	0.00	1.00	0.00
8.36	14.50	2.00	0.00	1.00	0.00	8.38	14.28	2.00	0.00	1.00	0.00
8.40	14.16	2.00	0.00	1.00	0.00	8.42	14.04	2.00	0.00	1.00	0.00
8.44	13.71	2.00	0.00	1.00	0.00	8.46	13.38	2.00	0.00	1.00	0.00
8.48	13.16	2.00	0.00	1.00	0.00	8.50	12.83	2.00	0.00	1.00	0.00
8.52	14.07	2.00	0.00	1.00	0.00	8.54	14.37	2.00	0.00	1.00	0.00
8.56	14.36	2.00	0.00	1.00	0.00	8.58	14.34	2.00	0.00	1.00	0.00
8.60	14.33	2.00	0.00	1.00	0.00	8.62	14.31	2.00	0.00	1.00	0.00
8.64	14.40	2.00	0.00	1.00	0.00	8.66	14.39	2.00	0.00	1.00	0.00
8.68	14.48	2.00	0.00	1.00	0.00	8.70	14.78	2.00	0.00	1.00	0.00
8.72	14.87	2.00	0.00	1.00	0.00	8.74	14.86	2.00	0.00	1.00	0.00
8.76	14.74	2.00	0.00	1.00	0.00	8.78	14.31	2.00	0.00	1.00	0.00
8.80	14.40	2.00	0.00	1.00	0.00	8.82	14.39	2.00	0.00	1.00	0.00
8.84	14.79	2.00	0.00	1.00	0.00	8.86	14.98	2.00	0.00	1.00	0.00
8.88	15.38	2.00	0.00	1.00	0.00	8.90	15.57	2.00	0.00	1.00	0.00
8.92	15.76	2.00	0.00	1.00	0.00	8.94	15.64	2.00	0.00	1.00	0.00
8.96	15.11	2.00	0.00	1.00	0.00	8.98	14.69	2.00	0.00	1.00	0.00
9.00	14.37	2.00	0.00	1.00	0.00	9.02	14.15	2.00	0.00	1.00	0.00
9.04	14.14	2.00	0.00	1.00	0.00	9.06	14.12	2.00	0.00	1.00	0.00
9.08	14.62	2.00	0.00	1.00	0.00	9.10	14.81	2.00	0.00	1.00	0.00
9.12	14.90	2.00	0.00	1.00	0.00	9.14	15.19	2.00	0.00	1.00	0.00
9.16	14.97	2.00	0.00	1.00	0.00	9.18	16.38	2.00	0.00	1.00	0.00
9.20	16.47	2.00	0.00	1.00	0.00	9.22	16.55	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	16.13	2.00	0.00	1.00	0.00	9.26	16.12	2.00	0.00	1.00	0.00
9.28	16.10	2.00	0.00	1.00	0.00	9.30	15.99	2.00	0.00	1.00	0.00
9.32	16.28	2.00	0.00	1.00	0.00	9.34	16.36	2.00	0.00	1.00	0.00
9.36	16.25	2.00	0.00	1.00	0.00	9.38	16.23	2.00	0.00	1.00	0.00
9.40	16.62	2.00	0.00	1.00	0.00	9.42	17.01	2.00	0.00	1.00	0.00
9.44	17.59	2.00	0.00	1.00	0.00	9.46	17.68	2.00	0.00	1.00	0.00
9.48	17.96	2.00	0.00	1.00	0.00	9.50	18.15	2.00	0.00	1.00	0.00
9.52	18.63	2.00	0.00	1.00	0.00	9.54	19.61	2.00	0.00	1.00	0.00
9.56	20.39	2.00	0.00	1.00	0.00	9.58	19.97	2.00	0.00	1.00	0.00
9.60	19.95	2.00	0.00	1.00	0.00	9.62	19.34	2.00	0.00	1.00	0.00
9.64	19.72	2.00	0.00	1.00	0.00	9.66	19.20	2.00	0.00	1.00	0.00
9.68	19.48	2.00	0.00	1.00	0.00	9.70	21.35	2.00	0.00	1.00	0.00
9.72	21.03	2.00	0.00	1.00	0.00	9.74	21.51	2.00	0.00	1.00	0.00
9.76	21.29	2.00	0.00	1.00	0.00	9.78	21.66	2.00	0.00	1.00	0.00
9.80	21.35	2.00	0.00	1.00	0.00	9.82	21.92	2.00	0.00	1.00	0.00
9.84	22.39	2.00	0.00	1.00	0.00	9.86	22.96	2.00	0.00	1.00	0.00
9.88	23.43	2.00	0.00	1.00	0.00	9.90	22.82	2.00	0.00	1.00	0.00
9.92	22.90	2.00	0.00	1.00	0.00	9.94	22.88	2.00	0.00	1.00	0.00
9.96	22.66	2.00	0.00	1.00	0.00	9.98	22.15	2.00	0.00	1.00	0.00
10.00	22.13	2.00	0.00	1.00	0.00	10.02	22.30	2.00	0.00	1.00	0.00
10.04	22.08	2.00	0.00	1.00	0.00	10.06	22.55	2.00	0.00	1.00	0.00
10.08	22.73	2.00	0.00	1.00	0.00	10.10	22.61	2.00	0.00	1.00	0.00
10.12	23.86	2.00	0.00	1.00	0.00	10.14	23.84	2.00	0.00	1.00	0.00
10.16	23.72	2.00	0.00	1.00	0.00	10.18	23.89	2.00	0.00	1.00	0.00
10.20	23.87	2.00	0.00	1.00	0.00	10.22	23.85	2.00	0.00	1.00	0.00
10.24	23.83	2.00	0.00	1.00	0.00	10.26	24.00	2.00	0.00	1.00	0.00
10.28	24.27	2.00	0.00	1.00	0.00	10.30	24.54	2.00	0.00	1.00	0.00
10.32	24.71	2.00	0.00	1.00	0.00	10.34	24.60	2.00	0.00	1.00	0.00
10.36	24.86	2.00	0.00	1.00	0.00	10.38	25.23	2.00	0.00	1.00	0.00
10.40	25.98	2.00	0.00	1.00	0.00	10.42	23.25	2.00	0.00	1.00	0.00
10.44	22.75	2.00	0.00	1.00	0.00	10.46	22.73	2.00	0.00	1.00	0.00
10.48	22.42	2.00	0.00	1.00	0.00	10.50	22.40	2.00	0.00	1.00	0.00
10.52	24.01	2.00	0.00	1.00	0.00	10.54	23.99	2.00	0.00	1.00	0.00
10.56	24.16	2.00	0.00	1.00	0.00	10.58	23.85	2.00	0.00	1.00	0.00
10.60	23.45	2.00	0.00	1.00	0.00	10.62	23.14	2.00	0.00	1.00	0.00
10.64	22.45	2.00	0.00	1.00	0.00	10.66	21.95	2.00	0.00	1.00	0.00
10.68	21.36	2.00	0.00	1.00	0.00	10.70	21.05	2.00	0.00	1.00	0.00
10.72	20.84	2.00	0.00	1.00	0.00	10.74	20.73	2.00	0.00	1.00	0.00
10.76	20.71	2.00	0.00	1.00	0.00	10.78	20.31	2.00	0.00	1.00	0.00
10.80	20.01	2.00	0.00	1.00	0.00	10.82	19.70	2.00	0.00	1.00	0.00
10.84	19.12	2.00	0.00	1.00	0.00	10.86	19.10	2.00	0.00	1.00	0.00
10.88	19.08	2.00	0.00	1.00	0.00	10.90	18.97	2.00	0.00	1.00	0.00
10.92	18.86	2.00	0.00	1.00	0.00	10.94	18.38	2.00	0.00	1.00	0.00
10.96	18.08	2.00	0.00	1.00	0.00	10.98	17.78	2.00	0.00	1.00	0.00
11.00	17.67	2.00	0.00	1.00	0.00	11.02	17.56	2.00	0.00	1.00	0.00
11.04	17.26	2.00	0.00	1.00	0.00	11.06	16.97	2.00	0.00	1.00	0.00
11.08	16.02	2.00	0.00	1.00	0.00	11.10	16.10	2.00	0.00	1.00	0.00
11.12	15.62	2.00	0.00	1.00	0.00	11.14	15.88	2.00	0.00	1.00	0.00
11.16	15.96	2.00	0.00	1.00	0.00	11.18	15.86	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	15.94	2.00	0.00	1.00	0.00	11.22	16.20	2.00	0.00	1.00	0.00
11.24	15.82	2.00	0.00	1.00	0.00	11.26	16.08	2.00	0.00	1.00	0.00
11.28	16.07	2.00	0.00	1.00	0.00	11.30	15.78	2.00	0.00	1.00	0.00
11.32	15.77	2.00	0.00	1.00	0.00	11.34	15.48	2.00	0.00	1.00	0.00
11.36	13.43	2.00	0.00	1.00	0.00	11.38	13.23	2.00	0.00	1.00	0.00
11.40	12.76	2.00	0.00	1.00	0.00	11.42	12.01	2.00	0.00	1.00	0.00
11.44	11.08	2.00	0.00	1.00	0.00	11.46	10.43	2.00	0.00	1.00	0.00
11.48	9.68	2.00	0.00	1.00	0.00	11.50	9.03	2.00	0.00	1.00	0.00
11.52	8.48	2.00	0.00	1.00	0.00	11.54	7.92	2.00	0.00	1.00	0.00
11.56	7.64	2.00	0.00	1.00	0.00	11.58	7.27	2.00	0.00	1.00	0.00
11.60	7.18	2.00	0.00	1.00	0.00	11.62	6.90	2.00	0.00	1.00	0.00
11.64	6.80	2.00	0.00	1.00	0.00	11.66	6.80	2.00	0.00	1.00	0.00
11.68	7.07	2.00	0.00	1.00	0.00	11.70	7.15	2.00	0.00	1.00	0.00
11.72	7.15	2.00	0.00	1.00	0.00	11.74	7.05	2.00	0.00	1.00	0.00
11.76	7.05	2.00	0.00	1.00	0.00	11.78	7.23	2.00	0.00	1.00	0.00
11.80	7.31	2.00	0.00	1.00	0.00	11.82	7.04	2.00	0.00	1.00	0.00
11.84	6.77	2.00	0.00	1.00	0.00	11.86	6.94	2.00	0.00	1.00	0.00
11.88	7.21	2.00	0.00	1.00	0.00	11.90	7.30	2.00	0.00	1.00	0.00
11.92	7.20	2.00	0.00	1.00	0.00	11.94	7.83	2.00	0.00	1.00	0.00
11.96	9.27	2.00	0.00	1.00	0.00	11.98	10.80	2.00	0.00	1.00	0.00
12.00	12.07	2.00	0.00	1.00	0.00	12.02	10.43	2.00	0.00	1.00	0.00
12.04	10.61	2.00	0.00	1.00	0.00	12.06	10.78	2.00	0.00	1.00	0.00
12.08	10.60	2.00	0.00	1.00	0.00	12.10	10.95	2.00	0.00	1.00	0.00
12.12	11.39	2.00	0.00	1.00	0.00	12.14	11.84	2.00	0.00	1.00	0.00
12.16	12.19	2.00	0.00	1.00	0.00	12.18	12.54	2.00	0.00	1.00	0.00
12.20	12.99	2.00	0.00	1.00	0.00	12.22	13.43	2.00	0.00	1.00	0.00
12.24	13.69	2.00	0.00	1.00	0.00	12.26	13.86	2.00	0.00	1.00	0.00
12.28	14.03	2.00	0.00	1.00	0.00	12.30	14.11	2.00	0.00	1.00	0.00
12.32	14.29	2.00	0.00	1.00	0.00	12.34	13.74	2.00	0.00	1.00	0.00
12.36	12.65	2.00	0.00	1.00	0.00	12.38	11.39	2.00	0.00	1.00	0.00
12.40	10.58	2.00	0.00	1.00	0.00	12.42	9.86	2.00	0.00	1.00	0.00
12.44	9.85	2.00	0.00	1.00	0.00	12.46	9.93	2.00	0.00	1.00	0.00
12.48	10.73	2.00	0.00	1.00	0.00	12.50	10.72	2.00	0.00	1.00	0.00
12.52	10.36	2.00	0.00	1.00	0.00	12.54	10.17	2.00	0.00	1.00	0.00
12.56	11.05	2.00	0.00	1.00	0.00	12.58	11.31	2.00	0.00	1.00	0.00
12.60	10.86	2.00	0.00	1.00	0.00	12.62	10.68	2.00	0.00	1.00	0.00
12.64	10.50	2.00	0.00	1.00	0.00	12.66	10.93	2.00	0.00	1.00	0.00
12.68	10.92	2.00	0.00	1.00	0.00	12.70	10.83	2.00	0.00	1.00	0.00
12.72	11.00	2.00	0.00	1.00	0.00	12.74	9.58	2.00	0.00	1.00	0.00
12.76	9.66	2.00	0.00	1.00	0.00	12.78	9.57	2.00	0.00	1.00	0.00
12.80	9.39	2.00	0.00	1.00	0.00	12.82	10.44	2.00	0.00	1.00	0.00
12.84	10.97	2.00	0.00	1.00	0.00	12.86	11.14	2.00	0.00	1.00	0.00
12.88	12.28	2.00	0.00	1.00	0.00	12.90	12.63	2.00	0.00	1.00	0.00
12.92	12.27	2.00	0.00	1.00	0.00	12.94	11.20	2.00	0.00	1.00	0.00
12.96	9.79	2.00	0.00	1.00	0.00	12.98	8.90	2.00	0.00	1.00	0.00
13.00	8.81	2.00	0.00	1.00	0.00	13.02	8.89	2.00	0.00	1.00	0.00
13.04	8.88	2.00	0.00	1.00	0.00	13.06	8.70	2.00	0.00	1.00	0.00
13.08	8.26	2.00	0.00	1.00	0.00	13.10	8.08	2.00	0.00	1.00	0.00
13.12	7.72	2.00	0.00	1.00	0.00	13.14	7.63	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	7.45	2.00	0.00	1.00	0.00	13.18	8.50	2.00	0.00	1.00	0.00
13.20	8.23	2.00	0.00	1.00	0.00	13.22	8.14	2.00	0.00	1.00	0.00
13.24	8.57	2.00	0.00	1.00	0.00	13.26	9.61	2.00	0.00	1.00	0.00
13.28	10.73	2.00	0.00	1.00	0.00	13.30	10.91	2.00	0.00	1.00	0.00
13.32	9.77	2.00	0.00	1.00	0.00	13.34	9.59	2.00	0.00	1.00	0.00
13.36	9.67	2.00	0.00	1.00	0.00	13.38	9.67	2.00	0.00	1.00	0.00
13.40	12.18	2.00	0.00	1.00	0.00	13.42	16.18	2.00	0.00	1.00	0.00
13.44	73.91	0.96	4.32	1.00	0.09	13.46	15.12	2.00	0.00	1.00	0.00
13.48	12.33	2.00	0.00	1.00	0.00	13.50	11.20	2.00	0.00	1.00	0.00
13.52	10.41	2.00	0.00	1.00	0.00	13.54	12.22	2.00	0.00	1.00	0.00
13.56	15.08	2.00	0.00	1.00	0.00	13.58	16.46	2.00	0.00	1.00	0.00
13.60	15.24	2.00	0.00	1.00	0.00	13.62	15.84	2.00	0.00	1.00	0.00
13.64	18.44	2.00	0.00	1.00	0.00	13.66	20.35	2.00	0.00	1.00	0.00
13.68	19.47	2.00	0.00	1.00	0.00	13.70	17.28	2.00	0.00	1.00	0.00
13.72	14.75	2.00	0.00	1.00	0.00	13.74	12.06	2.00	0.00	1.00	0.00
13.76	11.10	2.00	0.00	1.00	0.00	13.78	12.21	2.00	0.00	1.00	0.00
13.80	15.31	2.00	0.00	1.00	0.00	13.82	17.64	2.00	0.00	1.00	0.00
13.84	17.11	2.00	0.00	1.00	0.00	13.86	15.54	2.00	0.00	1.00	0.00
13.88	14.92	2.00	0.00	1.00	0.00	13.90	15.42	2.00	0.00	1.00	0.00
13.92	16.02	2.00	0.00	1.00	0.00	13.94	16.10	2.00	0.00	1.00	0.00
13.96	15.57	2.00	0.00	1.00	0.00	13.98	14.54	2.00	0.00	1.00	0.00
14.00	13.59	2.00	0.00	1.00	0.00	14.02	14.44	2.00	0.00	1.00	0.00
14.04	14.77	2.00	0.00	1.00	0.00	14.06	13.73	2.00	0.00	1.00	0.00
14.08	12.61	2.00	0.00	1.00	0.00	14.10	13.29	2.00	0.00	1.00	0.00
14.12	13.11	2.00	0.00	1.00	0.00	14.14	14.04	2.00	0.00	1.00	0.00
14.16	12.58	2.00	0.00	1.00	0.00	14.18	11.72	2.00	0.00	1.00	0.00
14.20	11.45	2.00	0.00	1.00	0.00	14.22	19.82	2.00	0.00	1.00	0.00
14.24	94.10	1.20	0.53	1.00	0.01	14.26	102.50	1.34	0.37	1.00	0.01
14.28	101.24	1.32	0.39	1.00	0.01	14.30	95.82	1.23	0.49	1.00	0.01
14.32	85.69	1.10	0.77	1.00	0.02	14.34	77.11	1.01	1.57	1.00	0.03
14.36	73.98	0.98	2.71	1.00	0.05	14.38	73.90	0.98	2.73	1.00	0.05
14.40	76.18	1.00	1.75	1.00	0.04	14.42	80.67	1.05	1.06	1.00	0.02
14.44	84.00	1.09	0.83	1.00	0.02	14.46	85.56	1.10	0.76	1.00	0.02
14.48	84.69	1.09	0.79	1.00	0.02	14.50	80.60	1.05	1.04	1.00	0.02
14.52	75.10	1.00	1.99	1.00	0.04	14.54	71.58	0.96	4.46	1.00	0.09
14.56	72.95	0.98	3.12	1.00	0.06	14.58	74.95	1.00	2.00	1.00	0.04
14.60	75.44	1.00	1.82	1.00	0.04	14.62	76.77	1.01	1.50	1.00	0.03
14.64	83.32	1.08	0.84	1.00	0.02	14.66	85.52	1.11	0.73	1.00	0.01
14.68	86.09	1.12	0.71	1.00	0.01	14.70	86.98	1.13	0.68	1.00	0.01
14.72	87.28	1.13	0.66	1.00	0.01	14.74	90.79	1.18	0.57	1.00	0.01
14.76	92.17	1.19	0.53	1.00	0.01	14.78	93.74	1.22	0.50	1.00	0.01
14.80	96.93	1.26	0.44	1.00	0.01	14.82	101.10	1.33	0.37	1.00	0.01
14.84	102.39	1.35	0.35	1.00	0.01	14.86	100.87	1.33	0.37	1.00	0.01
14.88	99.45	1.31	0.39	1.00	0.01	14.90	98.40	1.29	0.41	1.00	0.01
14.92	96.80	1.27	0.43	1.00	0.01	14.94	93.22	1.21	0.50	1.00	0.01
14.96	88.04	1.15	0.62	1.00	0.01	14.98	82.72	1.09	0.81	1.00	0.02
15.00	79.47	1.05	1.02	1.00	0.02	15.02	77.29	1.03	1.24	1.00	0.02
15.04	76.40	1.02	1.36	1.00	0.03	15.06	73.63	1.00	2.02	1.00	0.04
15.08	66.68	0.94	4.76	1.00	0.10	15.10	63.73	0.91	4.96	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	60.81	0.89	5.17	1.00	0.10	15.14	66.32	0.93	4.78	1.00	0.10
15.16	66.18	0.93	4.79	1.00	0.10	15.18	66.22	0.93	4.79	1.00	0.10
15.20	65.58	0.93	4.83	1.00	0.10	15.22	66.13	0.93	4.79	1.00	0.10
15.24	69.03	0.96	4.61	1.00	0.09	15.26	76.25	1.03	1.30	1.00	0.03
15.28	79.79	1.06	0.93	1.00	0.02	15.30	81.19	1.08	0.84	1.00	0.02
15.32	88.88	1.17	0.57	1.00	0.01	15.34	93.61	1.23	0.47	1.00	0.01
15.36	96.08	1.27	0.42	1.00	0.01	15.38	103.72	1.40	0.31	1.00	0.01
15.40	110.19	1.53	0.21	1.00	0.00	15.42	115.22	1.65	0.15	1.00	0.00
15.44	118.34	1.74	0.10	1.00	0.00	15.46	119.46	1.77	0.09	1.00	0.00
15.48	120.22	1.80	0.08	1.00	0.00	15.50	119.32	1.77	0.09	1.00	0.00
15.52	116.42	1.69	0.13	1.00	0.00	15.54	113.53	1.61	0.17	1.00	0.00
15.56	97.60	1.30	0.39	1.00	0.01	15.58	85.44	1.14	0.63	1.00	0.01
15.60	76.43	1.04	1.15	1.00	0.02	15.62	68.57	0.97	4.64	1.00	0.09
15.64	63.14	0.92	5.00	1.00	0.10	15.66	60.39	0.90	5.20	1.00	0.10
15.68	58.46	0.88	5.36	1.00	0.11	15.70	57.19	0.87	5.46	1.00	0.11
15.72	57.04	0.87	5.47	1.00	0.11	15.74	57.10	0.88	5.47	1.00	0.11
15.76	59.21	0.89	5.30	1.00	0.11	15.78	61.02	0.91	5.16	1.00	0.10
15.80	61.36	0.91	5.13	1.00	0.10	15.82	61.91	0.91	5.09	1.00	0.10
15.84	63.07	0.92	5.01	1.00	0.10	15.86	66.10	0.95	4.80	1.00	0.10
15.88	67.70	0.96	4.69	1.00	0.09	15.90	68.33	0.97	4.48	1.00	0.09
15.92	68.75	0.97	3.84	1.00	0.08	15.94	69.13	0.98	3.38	1.00	0.07
15.96	69.16	0.98	3.30	1.00	0.07	15.98	68.57	0.97	3.86	1.00	0.08
16.00	67.55	0.97	4.70	1.00	0.09	16.02	65.51	0.95	4.84	1.00	0.10
16.04	63.25	0.93	4.99	1.00	0.10	16.06	61.28	0.91	5.14	1.00	0.10
16.08	60.38	0.91	5.21	1.00	0.10	16.10	59.69	0.90	5.26	1.00	0.11
16.12	59.79	0.90	5.25	1.00	0.11	16.14	60.40	0.91	5.20	1.00	0.10
16.16	62.91	0.93	5.02	1.00	0.10	16.18	64.23	0.94	4.92	1.00	0.10
16.20	65.59	0.95	4.83	1.00	0.10	16.22	65.73	0.95	4.82	1.00	0.10
16.24	63.62	0.94	4.97	1.00	0.10	16.26	63.89	0.94	4.95	1.00	0.10
16.28	65.80	0.96	4.82	1.00	0.10	16.30	64.09	0.94	4.93	1.00	0.10
16.32	64.04	0.94	4.94	1.00	0.10	16.34	66.80	0.97	4.75	1.00	0.09
16.36	69.55	0.99	2.36	1.00	0.05	16.38	69.55	0.99	2.33	1.00	0.05
16.40	69.55	0.99	2.30	1.00	0.05	16.42	69.56	0.99	2.28	1.00	0.05
16.44	67.88	0.98	3.32	1.00	0.07	16.46	65.04	0.95	4.87	1.00	0.10
16.48	63.92	0.95	4.94	1.00	0.10	16.50	62.93	0.94	5.02	1.00	0.10
16.52	62.25	0.93	5.06	1.00	0.10	16.54	61.85	0.93	5.09	1.00	0.10
16.56	60.09	0.92	5.23	1.00	0.10	16.58	59.14	0.91	5.30	1.00	0.11
16.60	59.33	0.91	5.29	1.00	0.11	16.62	59.55	0.91	5.27	1.00	0.11
16.64	58.96	0.91	5.32	1.00	0.11	16.66	59.05	0.91	5.31	1.00	0.11
16.68	60.80	0.92	5.17	1.00	0.10	16.70	63.31	0.95	4.99	1.00	0.10
16.72	66.64	0.97	3.84	1.00	0.08	16.74	69.86	1.00	1.86	1.00	0.04
16.76	72.31	1.03	1.30	1.00	0.03	16.78	74.42	1.05	1.03	1.00	0.02
16.80	76.16	1.07	0.88	1.00	0.02	16.82	77.23	1.08	0.81	1.00	0.02
16.84	78.67	1.09	0.73	1.00	0.01	16.86	79.58	1.10	0.69	1.00	0.01
16.88	80.02	1.11	0.67	1.00	0.01	16.90	79.52	1.10	0.69	1.00	0.01
16.92	78.36	1.09	0.74	1.00	0.01	16.94	76.91	1.08	0.81	1.00	0.02
16.96	75.09	1.06	0.92	1.00	0.02	16.98	66.91	0.98	2.98	1.00	0.06
17.00	66.54	0.98	3.23	1.00	0.06	17.02	70.90	1.02	1.43	1.00	0.03
17.04	71.40	1.03	1.33	1.00	0.03	17.06	74.62	1.06	0.94	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	74.81	1.06	0.92	1.00	0.02	17.10	72.58	1.04	1.13	1.00	0.02
17.12	70.11	1.02	1.54	1.00	0.03	17.14	69.97	1.01	1.56	1.00	0.03
17.16	69.98	1.02	1.54	1.00	0.03	17.18	69.23	1.01	1.72	1.00	0.03
17.20	68.05	1.00	2.08	1.00	0.04	17.22	67.84	1.00	2.15	1.00	0.04
17.24	62.22	0.95	5.07	1.00	0.10	17.26	61.21	0.94	5.14	1.00	0.10
17.28	62.50	0.95	5.05	1.00	0.10	17.30	61.67	0.95	5.11	1.00	0.10
17.32	60.48	0.94	5.20	1.00	0.10	17.34	61.29	0.94	5.14	1.00	0.10
17.36	59.61	0.93	5.26	1.00	0.11	17.38	57.31	0.91	5.45	1.00	0.11
17.40	59.43	0.93	5.28	1.00	0.11	17.42	63.97	0.97	4.94	1.00	0.10
17.44	69.23	1.02	1.55	1.00	0.03	17.46	76.97	1.09	0.72	1.00	0.01
17.48	79.44	1.12	0.63	1.00	0.01	17.50	78.05	1.11	0.67	1.00	0.01
17.52	74.33	1.07	0.86	1.00	0.02	17.54	63.68	0.97	4.89	1.00	0.10
17.56	59.71	0.94	5.26	1.00	0.11	17.58	61.31	0.95	5.13	1.00	0.10
17.60	66.36	0.99	2.36	1.00	0.05	17.62	68.14	1.01	1.71	1.00	0.03
17.64	69.35	1.02	1.42	1.00	0.03	17.66	72.28	1.05	1.00	1.00	0.02
17.68	71.94	1.05	1.03	1.00	0.02	17.70	69.27	1.02	1.40	1.00	0.03
17.72	65.00	0.99	2.93	1.00	0.06	17.74	64.98	0.99	2.90	1.00	0.06
17.76	67.56	1.01	1.76	1.00	0.04	17.78	66.82	1.00	1.98	1.00	0.04
17.80	67.86	1.01	1.66	1.00	0.03	17.82	64.58	0.98	3.04	1.00	0.06
17.84	59.84	0.94	5.25	1.00	0.10	17.86	61.09	0.96	5.15	1.00	0.10
17.88	60.32	0.95	5.21	1.00	0.10	17.90	60.54	0.95	5.19	1.00	0.10
17.92	60.21	0.95	5.22	1.00	0.10	17.94	59.20	0.94	5.30	1.00	0.11
17.96	61.40	0.96	5.13	1.00	0.10	17.98	63.45	0.98	3.62	1.00	0.07
18.00	62.85	0.97	4.23	1.00	0.08	18.02	63.23	0.98	3.73	1.00	0.07
18.04	66.02	1.00	2.02	1.00	0.04	18.06	65.56	1.00	2.17	1.00	0.04
18.08	70.03	1.04	1.13	1.00	0.02	18.10	75.01	1.09	0.72	1.00	0.01
18.12	79.93	1.14	0.55	1.00	0.01	18.14	83.68	1.19	0.47	1.00	0.01
18.16	83.62	1.19	0.47	1.00	0.01	18.18	79.68	1.14	0.55	1.00	0.01
18.20	75.52	1.10	0.68	1.00	0.01	18.22	73.48	1.08	0.78	1.00	0.02
18.24	72.96	1.07	0.81	1.00	0.02	18.26	64.46	0.99	2.39	1.00	0.05
18.28	60.90	0.96	5.17	1.00	0.10	18.30	62.60	0.98	3.54	1.00	0.07
18.32	65.29	1.00	2.00	1.00	0.04	18.34	64.25	0.99	2.39	1.00	0.05
18.36	61.46	0.97	4.70	1.00	0.09	18.38	60.51	0.96	5.20	1.00	0.10
18.40	63.92	0.99	2.47	1.00	0.05	18.42	61.49	0.97	4.41	1.00	0.09
18.44	66.59	1.02	1.55	1.00	0.03	18.46	66.30	1.02	1.61	1.00	0.03
18.48	58.42	0.95	5.36	1.00	0.11	18.50	58.95	0.95	5.32	1.00	0.11
18.52	74.92	1.10	0.66	1.00	0.01	18.54	78.50	1.14	0.54	1.00	0.01
18.56	79.52	1.15	0.52	1.00	0.01	18.58	77.72	1.13	0.56	1.00	0.01
18.60	72.52	1.08	0.77	1.00	0.02	18.62	66.06	1.02	1.56	1.00	0.03
18.64	63.22	0.99	2.49	1.00	0.05	18.66	66.43	1.02	1.46	1.00	0.03
18.68	69.04	1.05	1.05	1.00	0.02	18.70	68.93	1.05	1.06	1.00	0.02
18.72	67.38	1.03	1.26	1.00	0.03	18.74	67.73	1.04	1.20	1.00	0.02
18.76	69.04	1.05	1.03	1.00	0.02	18.78	71.62	1.08	0.80	1.00	0.02
18.80	74.28	1.10	0.65	1.00	0.01	18.82	75.17	1.11	0.62	1.00	0.01
18.84	75.01	1.11	0.62	1.00	0.01	18.86	74.78	1.11	0.63	1.00	0.01
18.88	76.23	1.13	0.57	1.00	0.01	18.90	76.69	1.13	0.56	1.00	0.01
18.92	77.06	1.14	0.55	1.00	0.01	18.94	77.63	1.14	0.53	1.00	0.01
18.96	77.53	1.14	0.53	1.00	0.01	18.98	78.93	1.16	0.50	1.00	0.01
19.00	78.92	1.16	0.50	1.00	0.01	19.02	77.49	1.14	0.53	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	75.15	1.12	0.59	1.00	0.01	19.06	71.77	1.08	0.74	1.00	0.01
19.08	69.42	1.06	0.91	1.00	0.02	19.10	71.40	1.08	0.75	1.00	0.02
19.12	71.66	1.08	0.74	1.00	0.01	19.14	69.73	1.07	0.87	1.00	0.02
19.16	68.68	1.06	0.96	1.00	0.02	19.18	67.57	1.05	1.08	1.00	0.02
19.20	68.50	1.06	0.96	1.00	0.02	19.22	69.74	1.07	0.85	1.00	0.02
19.24	72.66	1.10	0.67	1.00	0.01	19.26	74.12	1.11	0.60	1.00	0.01
19.28	74.15	1.12	0.60	1.00	0.01	19.30	74.12	1.12	0.60	1.00	0.01
19.32	74.06	1.12	0.60	1.00	0.01	19.34	73.87	1.11	0.60	1.00	0.01
19.36	75.32	1.13	0.55	1.00	0.01	19.38	75.91	1.14	0.53	1.00	0.01
19.40	75.43	1.13	0.54	1.00	0.01	19.42	76.14	1.14	0.52	1.00	0.01
19.44	78.61	1.17	0.47	1.00	0.01	19.46	78.33	1.17	0.47	1.00	0.01
19.48	79.21	1.18	0.45	1.00	0.01	19.50	78.80	1.17	0.46	1.00	0.01
19.52	76.45	1.15	0.51	1.00	0.01	19.54	75.68	1.14	0.52	1.00	0.01
19.56	74.74	1.13	0.55	1.00	0.01	19.58	74.09	1.12	0.57	1.00	0.01
19.60	72.71	1.11	0.61	1.00	0.01	19.62	72.24	1.11	0.63	1.00	0.01
19.64	71.45	1.10	0.67	1.00	0.01	19.66	72.21	1.11	0.63	1.00	0.01
19.68	71.39	1.10	0.66	1.00	0.01	19.70	71.65	1.10	0.65	1.00	0.01
19.72	70.64	1.09	0.70	1.00	0.01	19.74	69.80	1.08	0.74	1.00	0.01
19.76	70.94	1.10	0.67	1.00	0.01	19.78	70.99	1.10	0.67	1.00	0.01
19.80	71.34	1.10	0.65	1.00	0.01	19.82	71.69	1.11	0.63	1.00	0.01
19.84	72.13	1.11	0.61	1.00	0.01	19.86	74.11	1.13	0.54	1.00	0.01
19.88	77.46	1.17	0.46	1.00	0.01	19.90	79.51	1.19	0.42	1.00	0.01
19.92	80.67	1.21	0.40	1.00	0.01	19.94	81.36	1.22	0.39	1.00	0.01
19.96	83.13	1.24	0.37	1.00	0.01	19.98	77.83	1.18	0.44	1.00	0.01
20.00	76.14	1.16	0.47	1.00	0.01						

Total estimated settlement: 13.00

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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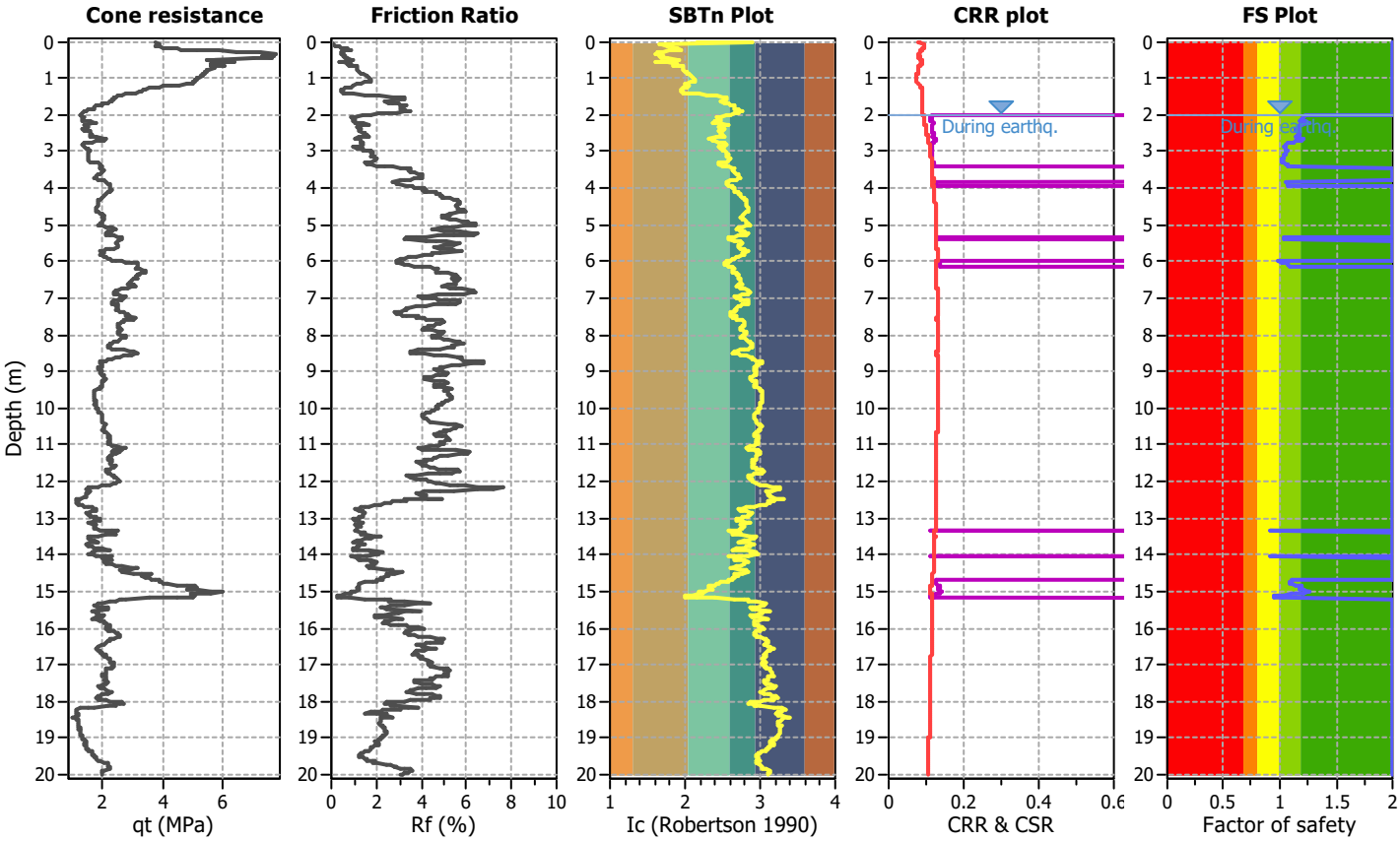
LIQUEFACTION ANALYSIS REPORT

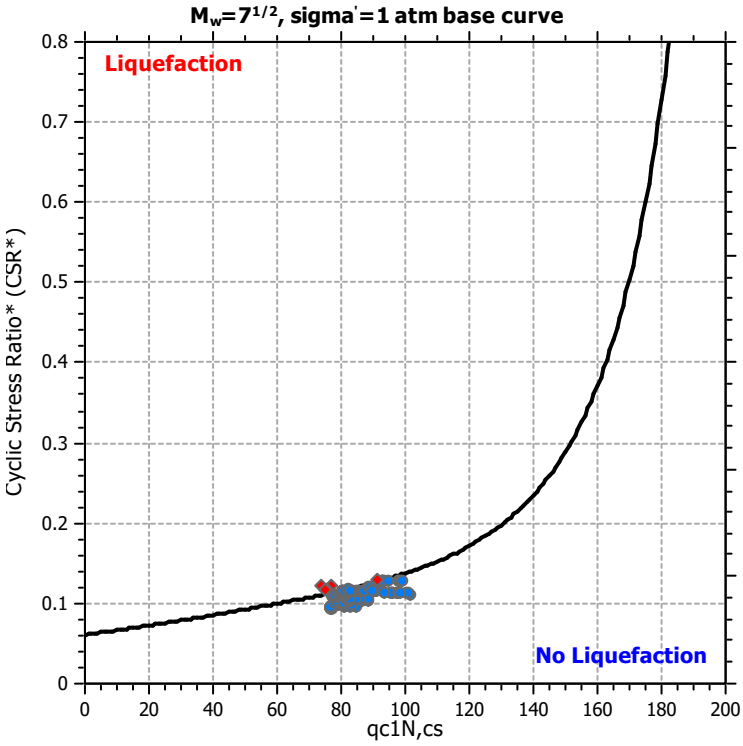
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

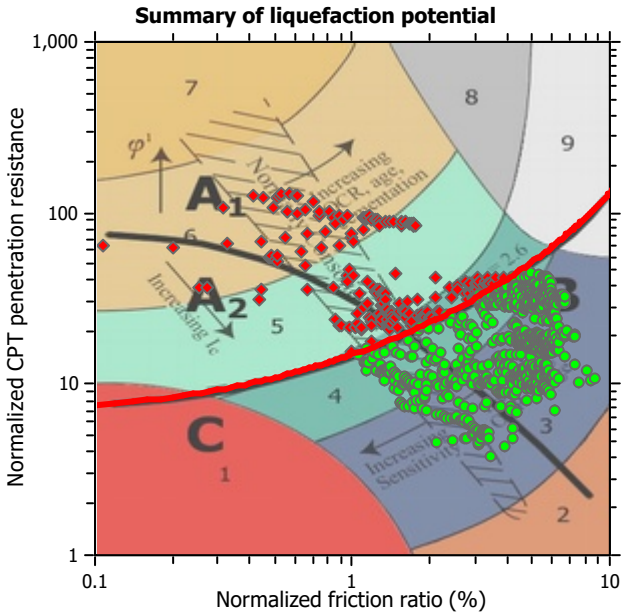
CPT file : P267

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

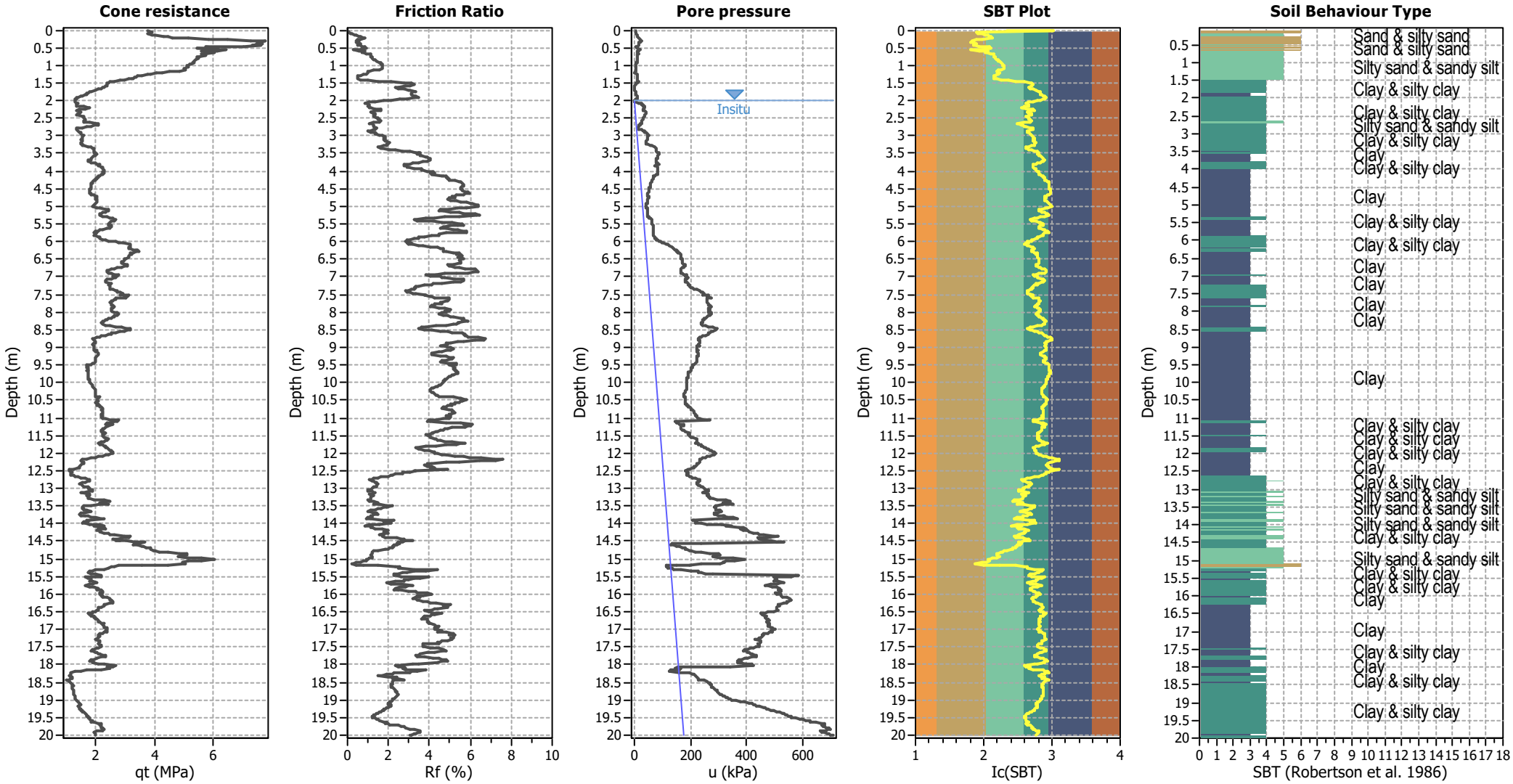






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



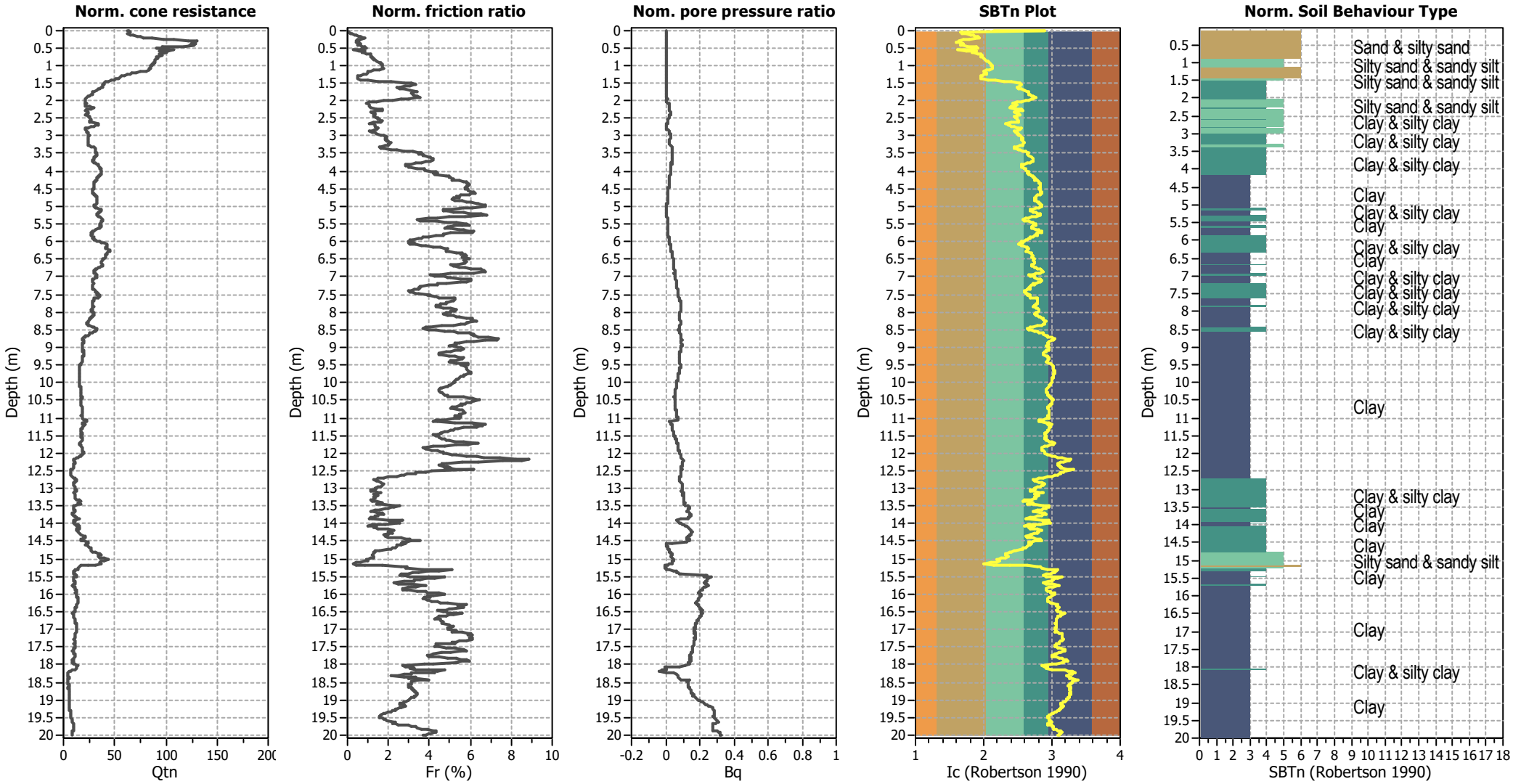
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



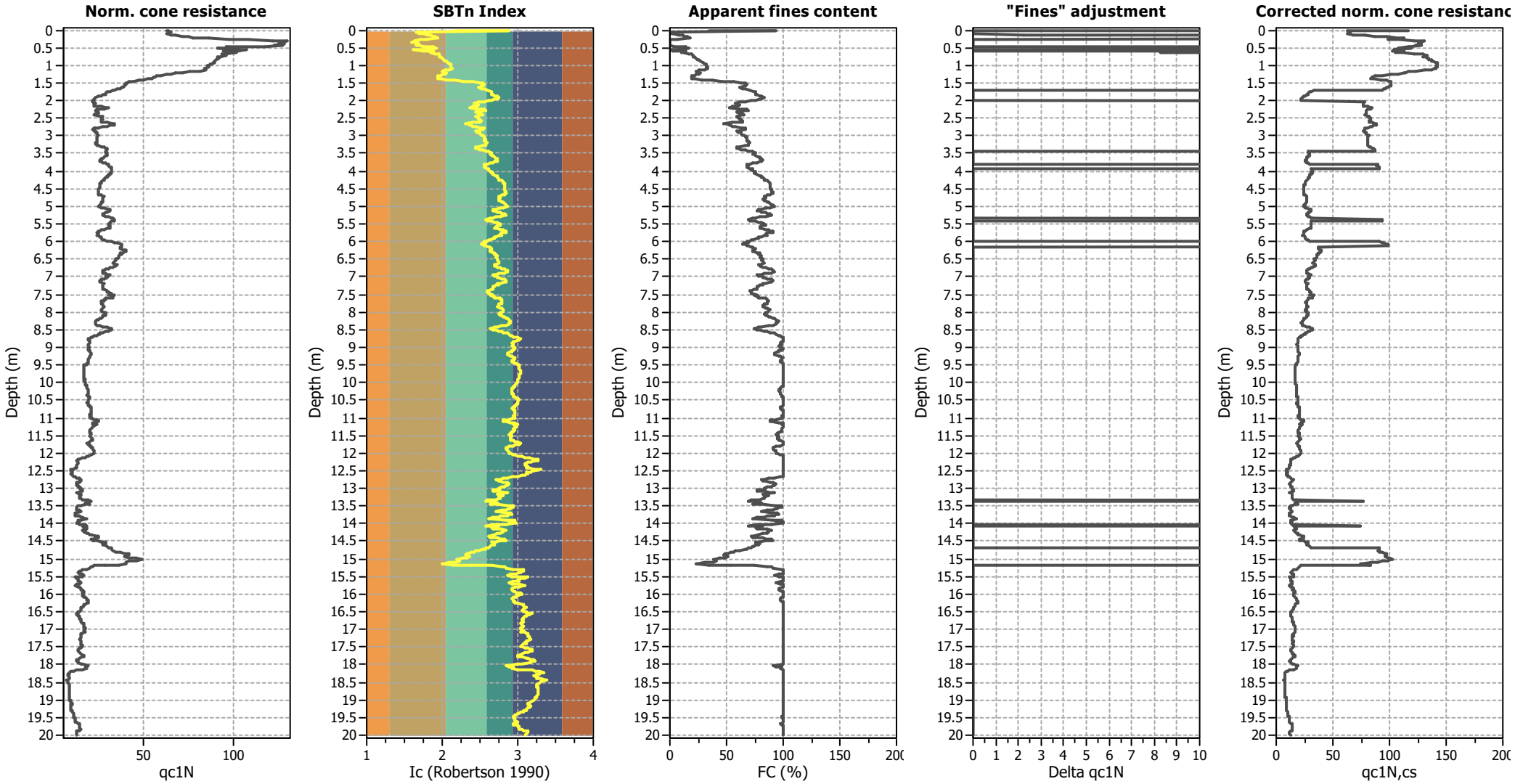
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

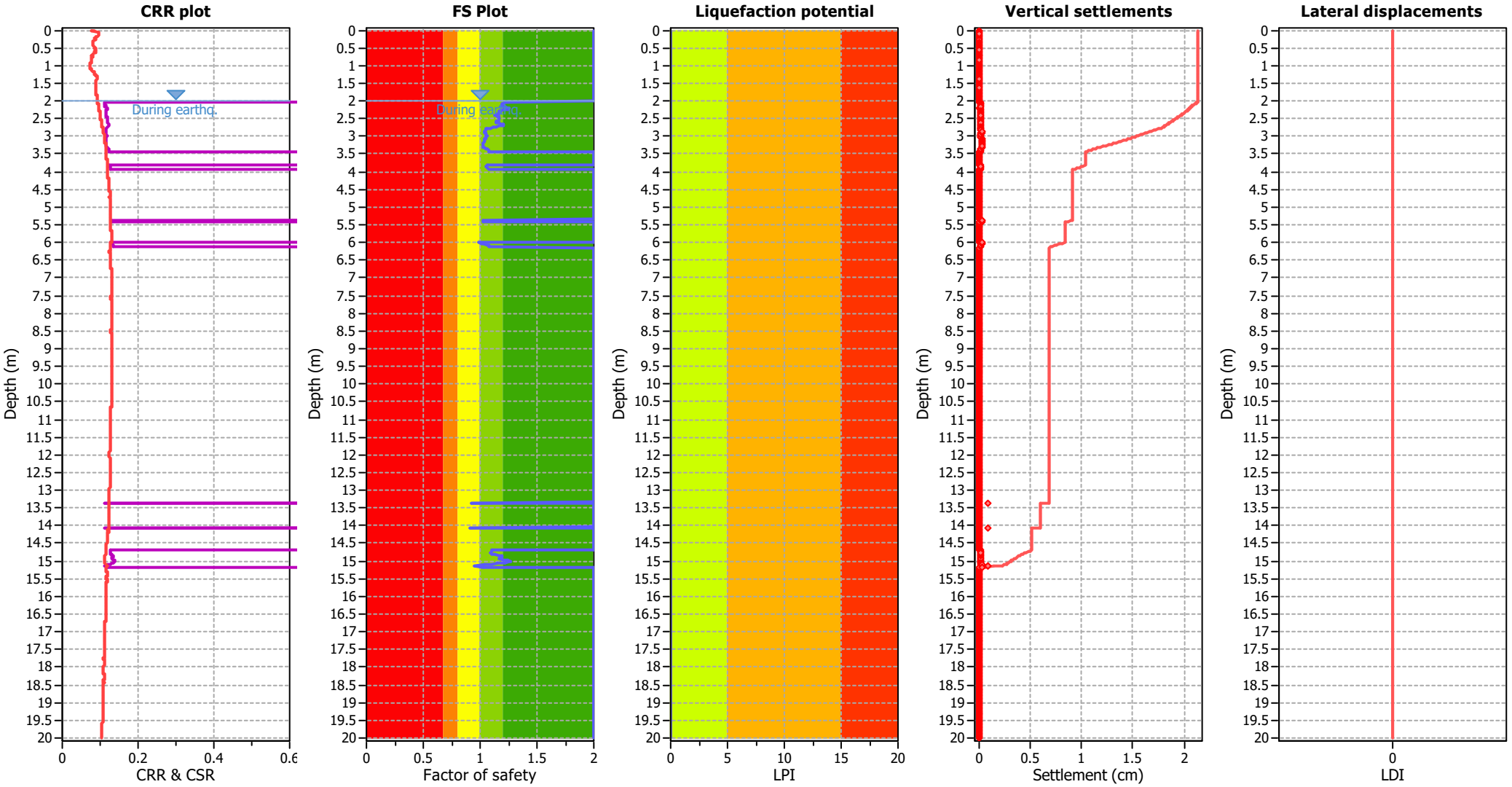
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

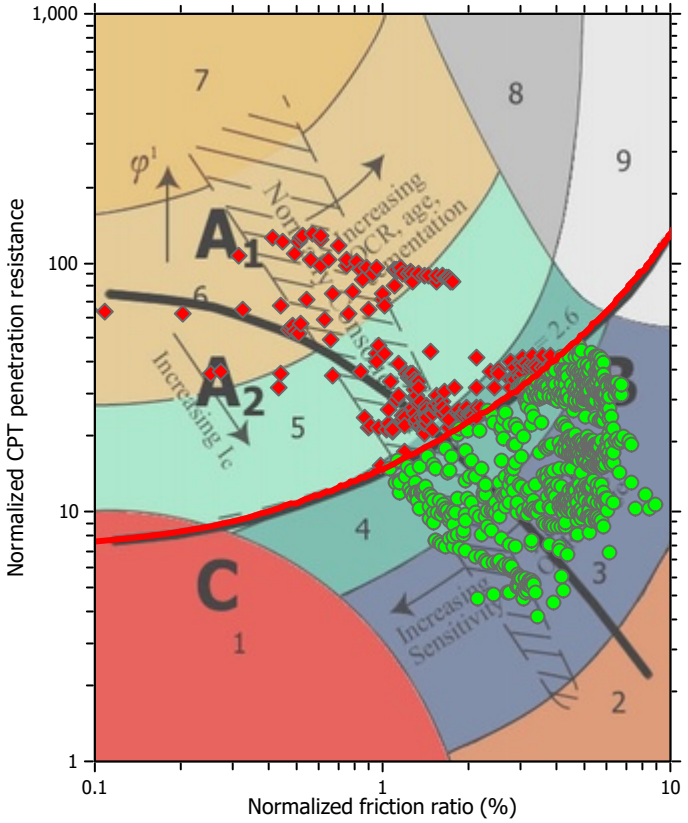
F.S. color scheme

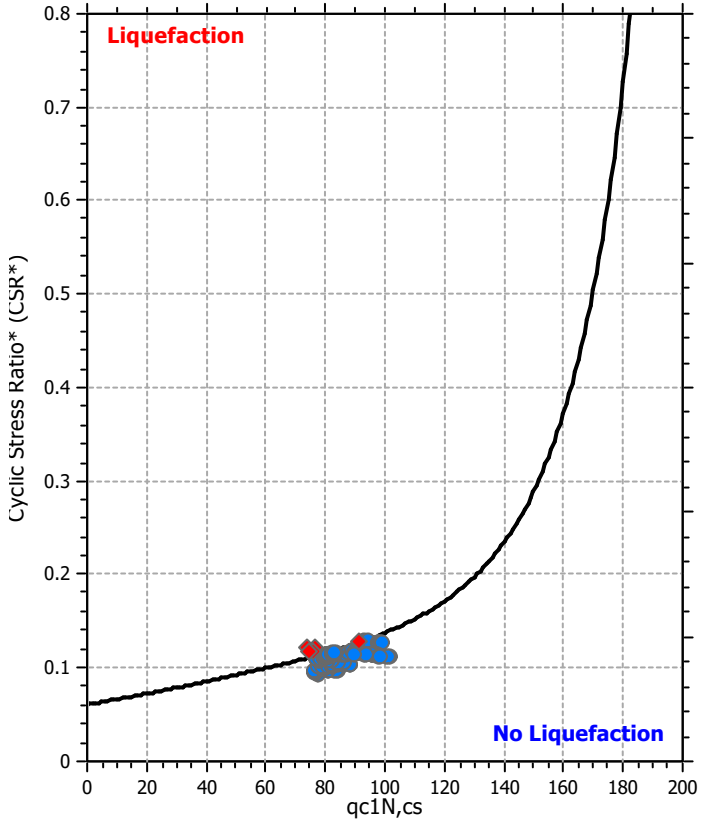
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

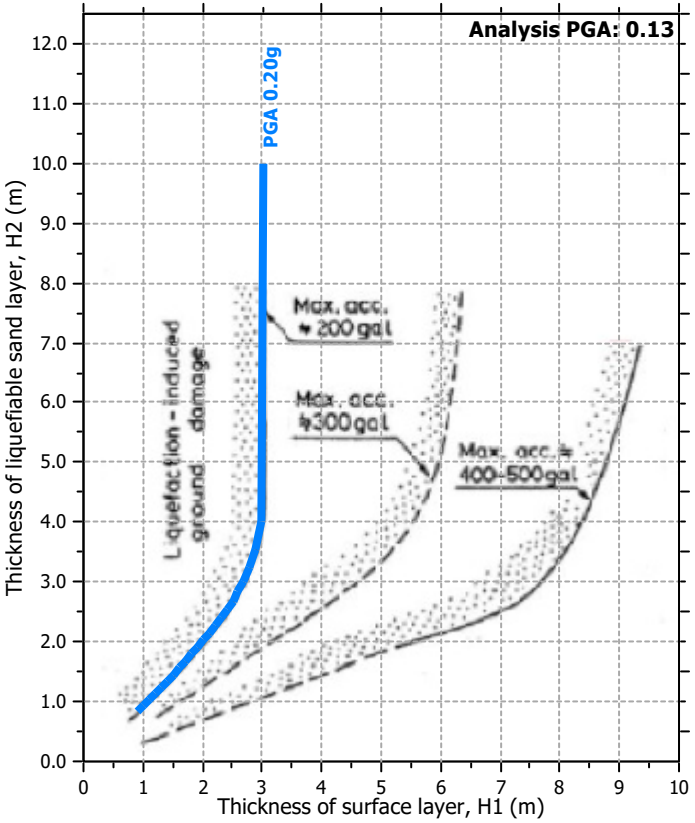
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



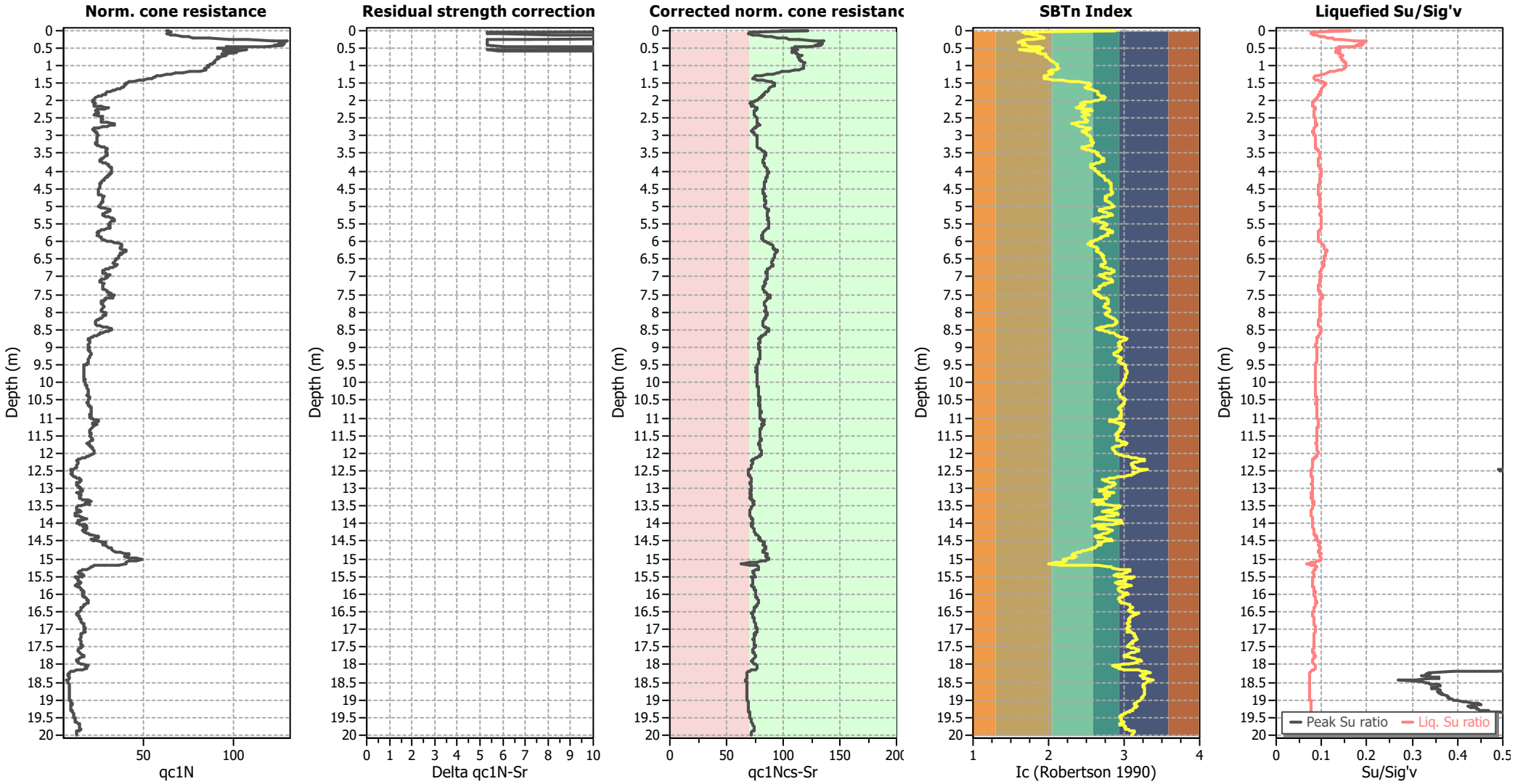




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.23	0.00	0.00	0.02	0.00	2.04	1.21	0.00	0.00	0.02	0.00
2.06	1.21	0.00	0.00	0.02	0.00	2.08	1.20	0.00	0.00	0.02	0.00
2.10	1.20	0.00	0.00	0.02	0.00	2.12	1.19	0.00	0.00	0.02	0.00
2.14	1.19	0.00	0.00	0.02	0.00	2.16	1.18	0.00	0.00	0.02	0.00
2.18	1.22	0.00	0.00	0.02	0.00	2.20	1.25	0.00	0.00	0.02	0.00
2.22	1.26	0.00	0.00	0.02	0.00	2.24	1.24	0.00	0.00	0.02	0.00
2.26	1.20	0.00	0.00	0.02	0.00	2.28	1.18	0.00	0.00	0.02	0.00
2.30	1.17	0.00	0.00	0.02	0.00	2.32	1.17	0.00	0.00	0.02	0.00
2.34	1.17	0.00	0.00	0.02	0.00	2.36	1.16	0.00	0.00	0.02	0.00
2.38	1.15	0.00	0.00	0.02	0.00	2.40	1.13	0.00	0.00	0.02	0.00
2.42	1.14	0.00	0.00	0.02	0.00	2.44	1.16	0.00	0.00	0.02	0.00
2.46	1.17	0.00	0.00	0.02	0.00	2.48	1.17	0.00	0.00	0.02	0.00
2.50	1.17	0.00	0.00	0.02	0.00	2.52	1.17	0.00	0.00	0.02	0.00
2.54	1.16	0.00	0.00	0.02	0.00	2.56	1.16	0.00	0.00	0.02	0.00
2.58	1.15	0.00	0.00	0.02	0.00	2.60	1.14	0.00	0.00	0.02	0.00
2.62	1.16	0.00	0.00	0.02	0.00	2.64	1.18	0.00	0.00	0.02	0.00
2.66	1.20	0.00	0.00	0.02	0.00	2.68	1.20	0.00	0.00	0.02	0.00
2.70	1.17	0.00	0.00	0.02	0.00	2.72	1.14	0.00	0.00	0.02	0.00
2.74	1.12	0.00	0.00	0.02	0.00	2.76	1.10	0.00	0.00	0.02	0.00
2.78	1.07	0.00	0.00	0.02	0.00	2.80	1.06	0.00	0.00	0.02	0.00
2.82	1.05	0.00	0.00	0.02	0.00	2.84	1.05	0.00	0.00	0.02	0.00
2.86	1.04	0.00	0.00	0.02	0.00	2.88	1.04	0.00	0.00	0.02	0.00
2.90	1.04	0.00	0.00	0.02	0.00	2.92	1.05	0.00	0.00	0.02	0.00
2.94	1.05	0.00	0.00	0.02	0.00	2.96	1.05	0.00	0.00	0.02	0.00
2.98	1.06	0.00	0.00	0.02	0.00	3.00	1.06	0.00	0.00	0.02	0.00
3.02	1.06	0.00	0.00	0.02	0.00	3.04	1.05	0.00	0.00	0.02	0.00
3.06	1.05	0.00	0.00	0.02	0.00	3.08	1.04	0.00	0.00	0.02	0.00
3.10	1.04	0.00	0.00	0.02	0.00	3.12	1.04	0.00	0.00	0.02	0.00
3.14	1.04	0.00	0.00	0.02	0.00	3.16	1.04	0.00	0.00	0.02	0.00
3.18	1.03	0.00	0.00	0.02	0.00	3.20	1.02	0.00	0.00	0.02	0.00
3.22	1.02	0.00	0.00	0.02	0.00	3.24	1.02	0.00	0.00	0.02	0.00
3.26	1.02	0.00	0.00	0.02	0.00	3.28	1.02	0.00	0.00	0.02	0.00
3.30	1.03	0.00	0.00	0.02	0.00	3.32	1.04	0.00	0.00	0.02	0.00
3.34	1.05	0.00	0.00	0.02	0.00	3.36	1.06	0.00	0.00	0.02	0.00
3.38	1.07	0.00	0.00	0.02	0.00	3.40	1.08	0.00	0.00	0.02	0.00
3.42	1.08	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	1.06	0.00	0.00	0.02	0.00	3.84	1.05	0.00	0.00	0.02	0.00
3.86	1.06	0.00	0.00	0.02	0.00	3.88	1.07	0.00	0.00	0.02	0.00
3.90	1.07	0.00	0.00	0.02	0.00	3.92	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	1.03	0.00	0.00	0.02	0.00
5.38	1.03	0.00	0.00	0.02	0.00	5.40	1.03	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	0.99	0.01	399819252 0.74	0.02	0.00
6.02	1.01	0.00	0.00	0.02	0.00	6.04	1.03	0.00	0.00	0.02	0.00
6.06	1.07	0.00	0.00	0.02	0.00	6.08	1.07	0.00	0.00	0.02	0.00
6.10	1.08	0.00	0.00	0.02	0.00	6.12	1.08	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	0.92	0.08	10.88	0.02	0.01
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	0.91	0.09	8.13	0.02	0.01	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	1.11	0.00	0.00	0.02	0.00	14.72	1.10	0.00	0.00	0.02	0.00
14.74	1.10	0.00	0.00	0.02	0.00	14.76	1.10	0.00	0.00	0.02	0.00
14.78	1.09	0.00	0.00	0.02	0.00	14.80	1.10	0.00	0.00	0.02	0.00
14.82	1.13	0.00	0.00	0.02	0.00	14.84	1.17	0.00	0.00	0.02	0.00
14.86	1.20	0.00	0.00	0.02	0.00	14.88	1.20	0.00	0.00	0.02	0.00
14.90	1.17	0.00	0.00	0.02	0.00	14.92	1.18	0.00	0.00	0.02	0.00
14.94	1.17	0.00	0.00	0.02	0.00	14.96	1.20	0.00	0.00	0.02	0.00
14.98	1.24	0.00	0.00	0.02	0.00	15.00	1.27	0.00	0.00	0.02	0.00
15.02	1.25	0.00	0.00	0.02	0.00	15.04	1.21	0.00	0.00	0.02	0.00
15.06	1.15	0.00	0.00	0.02	0.00	15.08	1.10	0.00	0.00	0.02	0.00
15.10	1.03	0.00	0.00	0.02	0.00	15.12	0.95	0.05	63.33	0.02	0.00
15.14	0.94	0.06	30.66	0.02	0.00	15.16	1.02	0.00	0.00	0.02	0.00
15.18	1.03	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

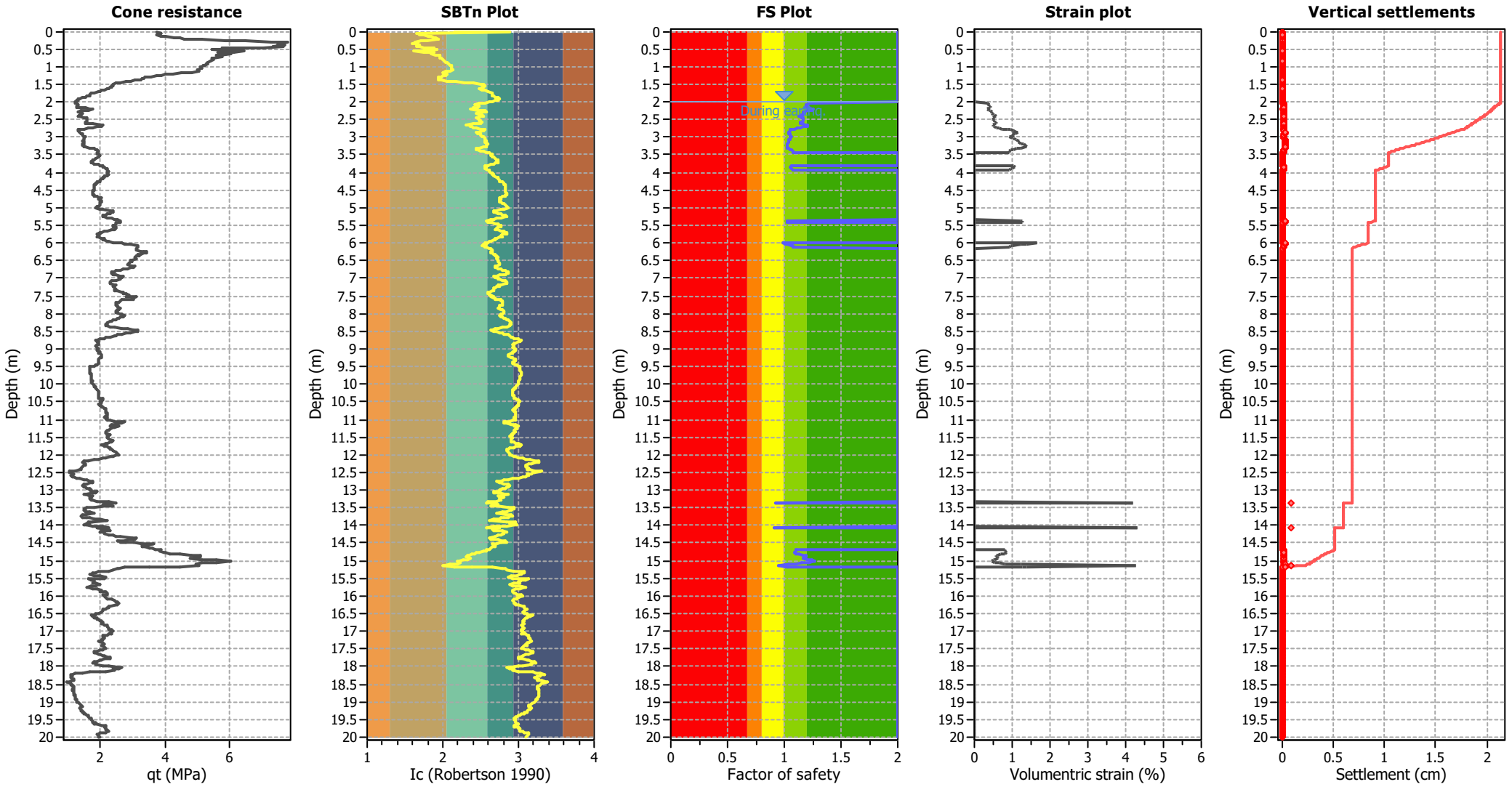
Overall liquefaction potential: 0.02

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.15	62.94	1.00	62.94	14	51445	0.08	0.000	0.00	3.58	0.00	0.000
0.04	2.89	63.27	7.02	444.47	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.06	1.66	65.29	1.00	65.29	12	28485	0.10	0.000	0.00	3.58	0.00	0.000
0.08	1.67	64.61	1.00	64.61	12	28787	0.10	0.000	0.00	3.58	0.00	0.000
0.10	1.68	63.77	1.00	63.77	12	28885	0.10	0.000	0.00	3.58	0.00	0.000
0.12	1.75	62.92	1.00	62.92	12	31023	0.10	0.001	0.00	3.58	0.00	0.000
0.14	1.81	65.45	1.00	65.45	13	34687	0.10	0.001	0.00	3.58	0.00	0.000
0.16	1.86	67.46	1.00	67.46	13	37926	0.09	0.001	0.00	3.58	0.00	0.000
0.18	1.88	71.82	1.22	87.65	17	41443	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.91	75.01	1.24	93.08	19	44963	0.09	0.001	0.00	3.58	0.00	0.000
0.22	1.94	77.36	1.26	97.48	20	48117	0.09	0.001	0.00	3.58	0.00	0.000
0.24	1.92	86.43	1.25	107.95	22	52620	0.09	0.001	0.00	3.58	0.00	0.000
0.26	1.79	97.85	1.14	111.32	21	50452	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.70	108.42	1.00	108.42	20	50222	0.09	0.001	0.00	3.58	0.00	0.000
0.30	1.64	121.85	1.00	121.85	22	52018	0.08	0.001	0.00	3.58	0.00	0.000
0.32	1.67	130.25	1.00	130.25	24	57820	0.08	0.001	0.00	3.58	0.00	0.000
0.34	1.60	127.03	1.00	127.03	23	51788	0.08	0.001	0.00	3.58	0.00	0.000
0.36	1.66	126.17	1.00	126.17	23	55201	0.08	0.001	0.00	3.58	0.00	0.000
0.38	1.70	125.15	1.00	125.15	23	57745	0.08	0.001	0.00	3.58	0.00	0.000
0.40	1.65	128.67	1.00	128.67	24	56035	0.08	0.001	0.00	3.58	0.00	0.000
0.42	1.66	122.77	1.00	122.77	23	54053	0.08	0.001	0.00	3.58	0.00	0.000
0.44	1.69	127.81	1.00	127.81	24	58482	0.08	0.001	0.00	3.58	0.00	0.000
0.46	1.76	117.54	1.10	129.14	25	58480	0.08	0.001	0.00	3.58	0.00	0.000
0.48	1.89	96.21	1.23	118.34	24	56493	0.08	0.001	0.00	3.58	0.00	0.000
0.50	1.82	102.43	1.18	120.59	24	55304	0.09	0.001	0.00	3.58	0.00	0.000
0.52	1.92	91.34	1.25	114.23	23	55784	0.08	0.001	0.00	3.58	0.00	0.000
0.54	1.79	103.48	1.14	117.56	23	53272	0.09	0.002	0.00	3.58	0.00	0.000
0.56	1.61	107.47	1.00	107.47	19	44243	0.09	0.002	0.00	3.58	0.00	0.000
0.58	1.75	102.43	1.09	111.21	21	50438	0.09	0.002	0.00	3.58	0.00	0.000
0.60	1.88	94.00	1.23	115.22	23	54770	0.09	0.002	0.00	3.58	0.00	0.000
0.62	1.84	97.36	1.19	116.11	23	53703	0.09	0.002	0.00	3.58	0.00	0.000
0.64	1.85	101.22	1.20	121.44	24	56439	0.09	0.002	0.00	3.58	0.00	0.000
0.66	1.91	95.35	1.25	118.77	24	57677	0.08	0.002	0.00	3.58	0.00	0.000
0.68	1.96	93.32	1.28	119.22	24	59960	0.08	0.002	0.00	3.58	0.00	0.000
0.70	1.97	94.32	1.28	120.99	25	61170	0.08	0.002	0.00	3.58	0.00	0.000
0.72	1.96	94.81	1.28	121.14	25	60939	0.08	0.002	0.00	3.58	0.00	0.000
0.74	1.97	96.15	1.28	123.12	25	62107	0.08	0.002	0.00	3.58	0.00	0.000
0.76	1.97	92.28	1.28	118.35	24	59832	0.08	0.002	0.00	3.58	0.00	0.000
0.78	1.99	91.27	1.30	118.33	25	60592	0.08	0.002	0.00	3.58	0.00	0.000
0.80	2.00	91.09	1.31	118.96	25	61383	0.08	0.002	0.00	3.58	0.00	0.000
0.82	2.00	91.59	1.31	119.75	25	61864	0.08	0.002	0.00	3.58	0.00	0.000
0.84	2.01	90.07	1.32	118.77	25	61850	0.08	0.002	0.00	3.58	0.00	0.000
0.86	2.03	90.06	1.33	119.94	25	62964	0.08	0.002	0.00	3.58	0.00	0.000
0.88	2.04	89.21	1.35	120.08	25	63501	0.08	0.002	0.00	3.58	0.00	0.000
0.90	2.05	89.04	1.36	121.00	26	64342	0.08	0.002	0.00	3.58	0.00	0.000
0.92	2.08	88.18	1.39	122.30	26	65625	0.08	0.002	0.00	3.58	0.00	0.000
0.94	2.08	89.19	1.40	124.50	27	66952	0.07	0.002	0.00	3.58	0.00	0.000
0.96	2.10	87.33	1.42	123.91	27	66931	0.07	0.002	0.00	3.58	0.00	0.000
0.98	2.11	86.66	1.43	124.13	27	67171	0.07	0.002	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.11	86.14	1.44	124.10	27	67212	0.07	0.002	0.00	3.58	0.00	0.000
1.02	2.12	85.46	1.45	123.78	27	67091	0.07	0.002	0.00	3.58	0.00	0.000
1.04	2.12	85.62	1.45	124.12	27	67280	0.07	0.002	0.00	3.58	0.00	0.000
1.06	2.12	84.95	1.45	123.51	27	66969	0.07	0.002	0.00	3.58	0.00	0.000
1.08	2.12	84.60	1.45	123.04	27	66718	0.07	0.003	0.00	3.58	0.00	0.000
1.10	2.13	83.59	1.46	122.45	27	66441	0.08	0.003	0.00	3.58	0.00	0.000
1.12	2.09	84.09	1.40	118.09	25	63624	0.08	0.003	0.00	3.58	0.00	0.000
1.14	2.04	84.08	1.34	112.76	24	59484	0.08	0.003	0.00	3.58	0.00	0.000
1.16	2.01	80.71	1.31	106.12	22	55118	0.08	0.003	0.00	3.58	0.00	0.000
1.18	2.01	75.50	1.31	99.06	21	51346	0.08	0.004	0.00	3.58	0.00	0.000
1.20	2.03	70.96	1.33	94.40	20	49518	0.08	0.004	0.00	3.58	0.00	0.000
1.22	2.05	67.26	1.35	91.04	19	48307	0.08	0.004	0.00	3.58	0.00	0.000
1.24	2.03	64.61	1.34	86.36	18	45458	0.09	0.004	0.01	3.58	0.00	0.000
1.26	2.00	62.42	1.31	81.79	17	42348	0.09	0.005	0.01	3.58	0.00	0.000
1.28	1.98	59.40	1.29	76.68	16	39073	0.09	0.006	0.01	3.58	0.00	0.000
1.30	1.95	56.88	1.27	72.32	15	36138	0.09	0.006	0.01	3.58	0.00	0.000
1.32	1.95	55.70	1.00	55.70	11	35209	0.09	0.006	0.01	3.58	0.01	0.000
1.34	1.95	54.86	1.00	54.86	11	34824	0.09	0.007	0.01	3.58	0.01	0.000
1.36	1.95	54.52	1.00	54.52	11	34576	0.09	0.007	0.01	3.58	0.01	0.000
1.38	1.97	53.17	1.00	53.17	11	34606	0.09	0.007	0.01	3.58	0.01	0.000
1.40	1.99	51.65	1.30	66.97	14	34288	0.09	0.007	0.01	3.58	0.01	0.000
1.42	2.06	48.97	1.37	66.97	14	35724	0.09	0.007	0.01	3.58	0.01	0.000
1.44	2.17	46.45	1.55	71.85	16	38949	0.09	0.006	0.01	3.58	0.00	0.000
1.46	2.30	43.77	1.91	83.50	20	42965	0.09	0.006	0.01	3.58	0.00	0.000
1.48	2.41	41.42	2.44	101.15	25	47168	0.09	0.005	0.00	3.58	0.00	0.000
1.50	2.50	39.89	2.98	119.03	31	50781	0.09	0.005	0.00	3.58	0.00	0.000
1.52	2.54	39.69	3.27	129.65	34	53094	0.09	0.005	0.00	3.58	0.00	0.000
1.54	2.55	39.67	3.38	134.14	35	54082	0.09	0.005	0.00	3.58	0.00	0.000
1.56	2.56	38.98	3.40	132.48	35	53292	0.09	0.005	0.00	3.58	0.00	0.000
1.58	2.54	38.97	3.27	127.32	33	52139	0.09	0.005	0.00	3.58	0.00	0.000
1.60	2.52	38.29	3.15	120.53	31	50196	0.09	0.005	0.00	3.58	0.00	0.000
1.62	2.50	37.60	2.95	110.96	29	47581	0.09	0.006	0.00	3.58	0.00	0.000
1.64	2.48	36.93	2.87	105.92	27	46003	0.09	0.006	0.00	3.58	0.00	0.000
1.66	2.51	35.75	3.07	109.84	28	46246	0.09	0.006	0.00	3.58	0.00	0.000
1.68	2.55	34.23	3.36	114.94	30	46491	0.09	0.006	0.00	3.58	0.00	0.000
1.70	2.59	32.89	3.67	120.60	32	46878	0.09	0.006	0.00	3.58	0.00	0.000
1.72	2.60	32.22	3.77	121.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.65	30.37	4.19	127.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.65	29.03	4.24	123.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.65	28.19	4.23	119.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.66	27.69	4.33	119.92	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.66	27.68	4.30	118.96	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.84	2.68	26.51	4.48	118.64	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.86	2.70	25.34	4.72	119.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.72	24.16	4.97	120.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.76	22.65	5.36	121.48	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.75	22.14	5.23	115.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.72	21.63	4.95	107.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.70	21.10	4.69	99.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.65	21.08	4.22	88.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	21.31	2.00	0.00	1.00	0.00	2.02	77.57	1.23	0.34	1.00	0.01
2.04	76.86	1.21	0.36	1.00	0.01	2.06	76.62	1.21	0.37	1.00	0.01
2.08	77.00	1.20	0.38	1.00	0.01	2.10	76.86	1.20	0.39	1.00	0.01
2.12	77.18	1.19	0.40	1.00	0.01	2.14	77.33	1.19	0.41	1.00	0.01
2.16	76.79	1.18	0.43	1.00	0.01	2.18	80.96	1.22	0.38	1.00	0.01
2.20	83.43	1.25	0.36	1.00	0.01	2.22	84.82	1.26	0.35	1.00	0.01
2.24	83.63	1.24	0.37	1.00	0.01	2.26	80.89	1.20	0.42	1.00	0.01
2.28	79.44	1.18	0.45	1.00	0.01	2.30	79.27	1.17	0.47	1.00	0.01
2.32	79.96	1.17	0.47	1.00	0.01	2.34	80.06	1.17	0.48	1.00	0.01
2.36	79.92	1.16	0.49	1.00	0.01	2.38	78.94	1.15	0.53	1.00	0.01
2.40	78.13	1.13	0.56	1.00	0.01	2.42	78.93	1.14	0.55	1.00	0.01
2.44	80.98	1.16	0.52	1.00	0.01	2.46	82.24	1.17	0.50	1.00	0.01
2.48	82.53	1.17	0.51	1.00	0.01	2.50	82.92	1.17	0.51	1.00	0.01
2.52	83.33	1.17	0.52	1.00	0.01	2.54	83.16	1.16	0.53	1.00	0.01
2.56	83.18	1.16	0.54	1.00	0.01	2.58	82.64	1.15	0.57	1.00	0.01
2.60	82.41	1.14	0.58	1.00	0.01	2.62	84.49	1.16	0.54	1.00	0.01
2.64	86.74	1.18	0.51	1.00	0.01	2.66	88.60	1.20	0.48	1.00	0.01
2.68	88.48	1.20	0.49	1.00	0.01	2.70	86.44	1.17	0.54	1.00	0.01
2.72	84.71	1.14	0.59	1.00	0.01	2.74	82.87	1.12	0.66	1.00	0.01
2.76	81.02	1.10	0.75	1.00	0.01	2.78	78.78	1.07	0.89	1.00	0.02
2.80	78.03	1.06	0.96	1.00	0.02	2.82	77.61	1.05	1.03	1.00	0.02
2.84	77.75	1.05	1.05	1.00	0.02	2.86	77.46	1.04	1.11	1.00	0.02
2.88	77.31	1.04	1.16	1.00	0.02	2.90	78.35	1.04	1.08	1.00	0.02
2.92	79.53	1.05	1.00	1.00	0.02	2.94	79.64	1.05	1.02	1.00	0.02
2.96	79.71	1.05	1.04	1.00	0.02	2.98	80.64	1.06	0.99	1.00	0.02
3.00	81.61	1.06	0.94	1.00	0.02	3.02	81.18	1.06	0.99	1.00	0.02
3.04	80.98	1.05	1.03	1.00	0.02	3.06	80.73	1.05	1.08	1.00	0.02
3.08	80.62	1.04	1.12	1.00	0.02	3.10	80.49	1.04	1.16	1.00	0.02
3.12	80.51	1.04	1.18	1.00	0.02	3.14	80.89	1.04	1.17	1.00	0.02
3.16	81.00	1.04	1.19	1.00	0.02	3.18	80.71	1.03	1.25	1.00	0.02
3.20	80.44	1.02	1.31	1.00	0.03	3.22	80.38	1.02	1.36	1.00	0.03
3.24	80.68	1.02	1.35	1.00	0.03	3.26	80.70	1.02	1.38	1.00	0.03
3.28	81.11	1.02	1.35	1.00	0.03	3.30	82.24	1.03	1.24	1.00	0.02
3.32	83.55	1.04	1.12	1.00	0.02	3.34	84.71	1.05	1.04	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	85.92	1.06	0.97	1.00	0.02	3.38	86.83	1.07	0.93	1.00	0.02
3.40	87.40	1.08	0.91	1.00	0.02	3.42	87.61	1.08	0.91	1.00	0.02
3.44	28.61	2.00	0.00	1.00	0.00	3.46	28.83	2.00	0.00	1.00	0.00
3.48	28.63	2.00	0.00	1.00	0.00	3.50	29.14	2.00	0.00	1.00	0.00
3.52	29.52	2.00	0.00	1.00	0.00	3.54	29.31	2.00	0.00	1.00	0.00
3.56	29.12	2.00	0.00	1.00	0.00	3.58	28.51	2.00	0.00	1.00	0.00
3.60	27.61	2.00	0.00	1.00	0.00	3.62	27.28	2.00	0.00	1.00	0.00
3.64	26.81	2.00	0.00	1.00	0.00	3.66	26.34	2.00	0.00	1.00	0.00
3.68	26.29	2.00	0.00	1.00	0.00	3.70	25.41	2.00	0.00	1.00	0.00
3.72	25.23	2.00	0.00	1.00	0.00	3.74	25.89	2.00	0.00	1.00	0.00
3.76	26.55	2.00	0.00	1.00	0.00	3.78	28.18	2.00	0.00	1.00	0.00
3.80	28.97	2.00	0.00	1.00	0.00	3.82	89.30	1.06	1.03	1.00	0.02
3.84	88.97	1.05	1.06	1.00	0.02	3.86	89.56	1.06	1.03	1.00	0.02
3.88	90.39	1.07	0.98	1.00	0.02	3.90	90.88	1.07	0.96	1.00	0.02
3.92	91.54	1.08	0.93	1.00	0.02	3.94	31.31	2.00	0.00	1.00	0.00
3.96	31.80	2.00	0.00	1.00	0.00	3.98	31.61	2.00	0.00	1.00	0.00
4.00	31.54	2.00	0.00	1.00	0.00	4.02	31.34	2.00	0.00	1.00	0.00
4.04	31.29	2.00	0.00	1.00	0.00	4.06	31.77	2.00	0.00	1.00	0.00
4.08	31.05	2.00	0.00	1.00	0.00	4.10	30.07	2.00	0.00	1.00	0.00
4.12	29.86	2.00	0.00	1.00	0.00	4.14	29.68	2.00	0.00	1.00	0.00
4.16	28.96	2.00	0.00	1.00	0.00	4.18	28.91	2.00	0.00	1.00	0.00
4.20	28.33	2.00	0.00	1.00	0.00	4.22	27.88	2.00	0.00	1.00	0.00
4.24	27.57	2.00	0.00	1.00	0.00	4.26	27.52	2.00	0.00	1.00	0.00
4.28	26.81	2.00	0.00	1.00	0.00	4.30	26.23	2.00	0.00	1.00	0.00
4.32	25.91	2.00	0.00	1.00	0.00	4.34	25.61	2.00	0.00	1.00	0.00
4.36	25.16	2.00	0.00	1.00	0.00	4.38	25.12	2.00	0.00	1.00	0.00
4.40	24.95	2.00	0.00	1.00	0.00	4.42	24.91	2.00	0.00	1.00	0.00
4.44	24.87	2.00	0.00	1.00	0.00	4.46	24.83	2.00	0.00	1.00	0.00
4.48	24.79	2.00	0.00	1.00	0.00	4.50	24.75	2.00	0.00	1.00	0.00
4.52	24.31	2.00	0.00	1.00	0.00	4.54	24.14	2.00	0.00	1.00	0.00
4.56	24.23	2.00	0.00	1.00	0.00	4.58	24.19	2.00	0.00	1.00	0.00
4.60	24.15	2.00	0.00	1.00	0.00	4.62	24.11	2.00	0.00	1.00	0.00
4.64	24.46	2.00	0.00	1.00	0.00	4.66	24.69	2.00	0.00	1.00	0.00
4.68	25.95	2.00	0.00	1.00	0.00	4.70	26.43	2.00	0.00	1.00	0.00
4.72	27.29	2.00	0.00	1.00	0.00	4.74	26.47	2.00	0.00	1.00	0.00
4.76	26.82	2.00	0.00	1.00	0.00	4.78	26.53	2.00	0.00	1.00	0.00
4.80	27.00	2.00	0.00	1.00	0.00	4.82	26.95	2.00	0.00	1.00	0.00
4.84	26.65	2.00	0.00	1.00	0.00	4.86	26.61	2.00	0.00	1.00	0.00
4.88	26.44	2.00	0.00	1.00	0.00	4.90	26.39	2.00	0.00	1.00	0.00
4.92	26.22	2.00	0.00	1.00	0.00	4.94	26.18	2.00	0.00	1.00	0.00
4.96	25.50	2.00	0.00	1.00	0.00	4.98	24.95	2.00	0.00	1.00	0.00
5.00	24.53	2.00	0.00	1.00	0.00	5.02	24.37	2.00	0.00	1.00	0.00
5.04	26.10	2.00	0.00	1.00	0.00	5.06	27.45	2.00	0.00	1.00	0.00
5.08	29.92	2.00	0.00	1.00	0.00	5.10	31.13	2.00	0.00	1.00	0.00
5.12	31.08	2.00	0.00	1.00	0.00	5.14	30.54	2.00	0.00	1.00	0.00
5.16	29.62	2.00	0.00	1.00	0.00	5.18	28.57	2.00	0.00	1.00	0.00
5.20	27.90	2.00	0.00	1.00	0.00	5.22	27.11	2.00	0.00	1.00	0.00
5.24	26.94	2.00	0.00	1.00	0.00	5.26	27.15	2.00	0.00	1.00	0.00
5.28	28.48	2.00	0.00	1.00	0.00	5.30	30.05	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	31.37	2.00	0.00	1.00	0.00	5.34	32.19	2.00	0.00	1.00	0.00
5.36	93.39	1.03	1.25	1.00	0.02	5.38	93.42	1.03	1.25	1.00	0.03
5.40	93.47	1.03	1.25	1.00	0.03	5.42	31.40	2.00	0.00	1.00	0.00
5.44	31.22	2.00	0.00	1.00	0.00	5.46	31.04	2.00	0.00	1.00	0.00
5.48	30.50	2.00	0.00	1.00	0.00	5.50	30.22	2.00	0.00	1.00	0.00
5.52	30.17	2.00	0.00	1.00	0.00	5.54	30.74	2.00	0.00	1.00	0.00
5.56	31.06	2.00	0.00	1.00	0.00	5.58	31.26	2.00	0.00	1.00	0.00
5.60	30.74	2.00	0.00	1.00	0.00	5.62	30.58	2.00	0.00	1.00	0.00
5.64	29.33	2.00	0.00	1.00	0.00	5.66	27.48	2.00	0.00	1.00	0.00
5.68	26.35	2.00	0.00	1.00	0.00	5.70	25.47	2.00	0.00	1.00	0.00
5.72	24.58	2.00	0.00	1.00	0.00	5.74	23.82	2.00	0.00	1.00	0.00
5.76	24.77	2.00	0.00	1.00	0.00	5.78	24.26	2.00	0.00	1.00	0.00
5.80	23.98	2.00	0.00	1.00	0.00	5.82	23.71	2.00	0.00	1.00	0.00
5.84	24.16	2.00	0.00	1.00	0.00	5.86	25.10	2.00	0.00	1.00	0.00
5.88	25.91	2.00	0.00	1.00	0.00	5.90	25.64	2.00	0.00	1.00	0.00
5.92	26.09	2.00	0.00	1.00	0.00	5.94	27.13	2.00	0.00	1.00	0.00
5.96	27.82	2.00	0.00	1.00	0.00	5.98	29.08	2.00	0.00	1.00	0.00
6.00	91.48	0.99	1.65	1.00	0.03	6.02	93.41	1.01	1.38	1.00	0.03
6.04	94.96	1.03	1.22	1.00	0.02	6.06	97.88	1.07	0.99	1.00	0.02
6.08	98.27	1.07	0.97	1.00	0.02	6.10	98.81	1.08	0.94	1.00	0.02
6.12	99.08	1.08	0.92	1.00	0.02	6.14	37.12	2.00	0.00	1.00	0.00
6.16	36.83	2.00	0.00	1.00	0.00	6.18	36.66	2.00	0.00	1.00	0.00
6.20	36.95	2.00	0.00	1.00	0.00	6.22	38.05	2.00	0.00	1.00	0.00
6.24	39.15	2.00	0.00	1.00	0.00	6.26	40.01	2.00	0.00	1.00	0.00
6.28	40.18	2.00	0.00	1.00	0.00	6.30	39.10	2.00	0.00	1.00	0.00
6.32	38.02	2.00	0.00	1.00	0.00	6.34	36.94	2.00	0.00	1.00	0.00
6.36	37.01	2.00	0.00	1.00	0.00	6.38	36.39	2.00	0.00	1.00	0.00
6.40	35.77	2.00	0.00	1.00	0.00	6.42	35.73	2.00	0.00	1.00	0.00
6.44	36.03	2.00	0.00	1.00	0.00	6.46	35.87	2.00	0.00	1.00	0.00
6.48	34.57	2.00	0.00	1.00	0.00	6.50	33.96	2.00	0.00	1.00	0.00
6.52	34.14	2.00	0.00	1.00	0.00	6.54	33.99	2.00	0.00	1.00	0.00
6.56	33.26	2.00	0.00	1.00	0.00	6.58	33.00	2.00	0.00	1.00	0.00
6.60	32.50	2.00	0.00	1.00	0.00	6.62	32.80	2.00	0.00	1.00	0.00
6.64	34.11	2.00	0.00	1.00	0.00	6.66	34.75	2.00	0.00	1.00	0.00
6.68	34.48	2.00	0.00	1.00	0.00	6.70	33.65	2.00	0.00	1.00	0.00
6.72	32.25	2.00	0.00	1.00	0.00	6.74	30.64	2.00	0.00	1.00	0.00
6.76	29.69	2.00	0.00	1.00	0.00	6.78	28.19	2.00	0.00	1.00	0.00
6.80	27.48	2.00	0.00	1.00	0.00	6.82	26.88	2.00	0.00	1.00	0.00
6.84	26.62	2.00	0.00	1.00	0.00	6.86	26.59	2.00	0.00	1.00	0.00
6.88	26.89	2.00	0.00	1.00	0.00	6.90	27.42	2.00	0.00	1.00	0.00
6.92	28.18	2.00	0.00	1.00	0.00	6.94	29.27	2.00	0.00	1.00	0.00
6.96	30.58	2.00	0.00	1.00	0.00	6.98	30.10	2.00	0.00	1.00	0.00
7.00	28.61	2.00	0.00	1.00	0.00	7.02	29.46	2.00	0.00	1.00	0.00
7.04	29.20	2.00	0.00	1.00	0.00	7.06	27.83	2.00	0.00	1.00	0.00
7.08	26.35	2.00	0.00	1.00	0.00	7.10	25.76	2.00	0.00	1.00	0.00
7.12	25.50	2.00	0.00	1.00	0.00	7.14	25.47	2.00	0.00	1.00	0.00
7.16	25.78	2.00	0.00	1.00	0.00	7.18	27.19	2.00	0.00	1.00	0.00
7.20	27.61	2.00	0.00	1.00	0.00	7.22	26.47	2.00	0.00	1.00	0.00
7.24	26.89	2.00	0.00	1.00	0.00	7.26	27.08	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	27.05	2.00	0.00	1.00	0.00	7.30	27.14	2.00	0.00	1.00	0.00
7.32	26.77	2.00	0.00	1.00	0.00	7.34	26.85	2.00	0.00	1.00	0.00
7.36	27.71	2.00	0.00	1.00	0.00	7.38	28.99	2.00	0.00	1.00	0.00
7.40	29.29	2.00	0.00	1.00	0.00	7.42	29.59	2.00	0.00	1.00	0.00
7.44	30.42	2.00	0.00	1.00	0.00	7.46	31.37	2.00	0.00	1.00	0.00
7.48	31.11	2.00	0.00	1.00	0.00	7.50	29.98	2.00	0.00	1.00	0.00
7.52	33.31	2.00	0.00	1.00	0.00	7.54	32.62	2.00	0.00	1.00	0.00
7.56	31.82	2.00	0.00	1.00	0.00	7.58	32.22	2.00	0.00	1.00	0.00
7.60	28.50	2.00	0.00	1.00	0.00	7.62	28.36	2.00	0.00	1.00	0.00
7.64	28.11	2.00	0.00	1.00	0.00	7.66	27.76	2.00	0.00	1.00	0.00
7.68	27.29	2.00	0.00	1.00	0.00	7.70	26.40	2.00	0.00	1.00	0.00
7.72	26.37	2.00	0.00	1.00	0.00	7.74	26.23	2.00	0.00	1.00	0.00
7.76	26.31	2.00	0.00	1.00	0.00	7.78	26.61	2.00	0.00	1.00	0.00
7.80	26.58	2.00	0.00	1.00	0.00	7.82	26.87	2.00	0.00	1.00	0.00
7.84	27.59	2.00	0.00	1.00	0.00	7.86	27.46	2.00	0.00	1.00	0.00
7.88	26.89	2.00	0.00	1.00	0.00	7.90	26.54	2.00	0.00	1.00	0.00
7.92	26.08	2.00	0.00	1.00	0.00	7.94	26.37	2.00	0.00	1.00	0.00
7.96	26.34	2.00	0.00	1.00	0.00	7.98	25.99	2.00	0.00	1.00	0.00
8.00	27.35	2.00	0.00	1.00	0.00	8.02	28.06	2.00	0.00	1.00	0.00
8.04	28.45	2.00	0.00	1.00	0.00	8.06	28.63	2.00	0.00	1.00	0.00
8.08	28.18	2.00	0.00	1.00	0.00	8.10	27.20	2.00	0.00	1.00	0.00
8.12	26.85	2.00	0.00	1.00	0.00	8.14	26.50	2.00	0.00	1.00	0.00
8.16	25.73	2.00	0.00	1.00	0.00	8.18	24.86	2.00	0.00	1.00	0.00
8.20	24.41	2.00	0.00	1.00	0.00	8.22	23.96	2.00	0.00	1.00	0.00
8.24	23.09	2.00	0.00	1.00	0.00	8.26	22.96	2.00	0.00	1.00	0.00
8.28	22.94	2.00	0.00	1.00	0.00	8.30	22.39	2.00	0.00	1.00	0.00
8.32	22.36	2.00	0.00	1.00	0.00	8.34	22.55	2.00	0.00	1.00	0.00
8.36	22.84	2.00	0.00	1.00	0.00	8.38	23.55	2.00	0.00	1.00	0.00
8.40	24.88	2.00	0.00	1.00	0.00	8.42	27.16	2.00	0.00	1.00	0.00
8.44	29.11	2.00	0.00	1.00	0.00	8.46	30.85	2.00	0.00	1.00	0.00
8.48	32.06	2.00	0.00	1.00	0.00	8.50	31.92	2.00	0.00	1.00	0.00
8.52	31.16	2.00	0.00	1.00	0.00	8.54	29.88	2.00	0.00	1.00	0.00
8.56	28.40	2.00	0.00	1.00	0.00	8.58	27.13	2.00	0.00	1.00	0.00
8.60	25.55	2.00	0.00	1.00	0.00	8.62	25.11	2.00	0.00	1.00	0.00
8.64	24.46	2.00	0.00	1.00	0.00	8.66	23.20	2.00	0.00	1.00	0.00
8.68	21.73	2.00	0.00	1.00	0.00	8.70	21.29	2.00	0.00	1.00	0.00
8.72	20.03	2.00	0.00	1.00	0.00	8.74	19.18	2.00	0.00	1.00	0.00
8.76	18.75	2.00	0.00	1.00	0.00	8.78	18.94	2.00	0.00	1.00	0.00
8.80	19.33	2.00	0.00	1.00	0.00	8.82	19.51	2.00	0.00	1.00	0.00
8.84	19.49	2.00	0.00	1.00	0.00	8.86	19.37	2.00	0.00	1.00	0.00
8.88	19.15	2.00	0.00	1.00	0.00	8.90	18.31	2.00	0.00	1.00	0.00
8.92	18.29	2.00	0.00	1.00	0.00	8.94	18.79	2.00	0.00	1.00	0.00
8.96	18.77	2.00	0.00	1.00	0.00	8.98	18.75	2.00	0.00	1.00	0.00
9.00	19.14	2.00	0.00	1.00	0.00	9.02	18.81	2.00	0.00	1.00	0.00
9.04	18.69	2.00	0.00	1.00	0.00	9.06	18.77	2.00	0.00	1.00	0.00
9.08	19.06	2.00	0.00	1.00	0.00	9.10	19.65	2.00	0.00	1.00	0.00
9.12	19.43	2.00	0.00	1.00	0.00	9.14	19.61	2.00	0.00	1.00	0.00
9.16	20.10	2.00	0.00	1.00	0.00	9.18	20.08	2.00	0.00	1.00	0.00
9.20	20.26	2.00	0.00	1.00	0.00	9.22	20.24	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	19.82	2.00	0.00	1.00	0.00	9.26	19.50	2.00	0.00	1.00	0.00
9.28	19.28	2.00	0.00	1.00	0.00	9.30	19.16	2.00	0.00	1.00	0.00
9.32	19.04	2.00	0.00	1.00	0.00	9.34	18.92	2.00	0.00	1.00	0.00
9.36	18.90	2.00	0.00	1.00	0.00	9.38	18.98	2.00	0.00	1.00	0.00
9.40	18.86	2.00	0.00	1.00	0.00	9.42	18.95	2.00	0.00	1.00	0.00
9.44	18.43	2.00	0.00	1.00	0.00	9.46	18.11	2.00	0.00	1.00	0.00
9.48	17.49	2.00	0.00	1.00	0.00	9.50	16.28	2.00	0.00	1.00	0.00
9.52	16.26	2.00	0.00	1.00	0.00	9.54	16.35	2.00	0.00	1.00	0.00
9.56	16.23	2.00	0.00	1.00	0.00	9.58	16.42	2.00	0.00	1.00	0.00
9.60	16.40	2.00	0.00	1.00	0.00	9.62	16.38	2.00	0.00	1.00	0.00
9.64	16.27	2.00	0.00	1.00	0.00	9.66	16.16	2.00	0.00	1.00	0.00
9.68	16.24	2.00	0.00	1.00	0.00	9.70	16.22	2.00	0.00	1.00	0.00
9.72	16.41	2.00	0.00	1.00	0.00	9.74	16.39	2.00	0.00	1.00	0.00
9.76	16.47	2.00	0.00	1.00	0.00	9.78	16.56	2.00	0.00	1.00	0.00
9.80	16.44	2.00	0.00	1.00	0.00	9.82	16.43	2.00	0.00	1.00	0.00
9.84	16.51	2.00	0.00	1.00	0.00	9.86	16.49	2.00	0.00	1.00	0.00
9.88	16.38	2.00	0.00	1.00	0.00	9.90	16.46	2.00	0.00	1.00	0.00
9.92	16.84	2.00	0.00	1.00	0.00	9.94	16.63	2.00	0.00	1.00	0.00
9.96	16.61	2.00	0.00	1.00	0.00	9.98	16.79	2.00	0.00	1.00	0.00
10.00	16.78	2.00	0.00	1.00	0.00	10.02	17.15	2.00	0.00	1.00	0.00
10.04	17.24	2.00	0.00	1.00	0.00	10.06	17.42	2.00	0.00	1.00	0.00
10.08	17.50	2.00	0.00	1.00	0.00	10.10	17.48	2.00	0.00	1.00	0.00
10.12	17.76	2.00	0.00	1.00	0.00	10.14	18.03	2.00	0.00	1.00	0.00
10.16	18.21	2.00	0.00	1.00	0.00	10.18	18.29	2.00	0.00	1.00	0.00
10.20	18.27	2.00	0.00	1.00	0.00	10.22	18.45	2.00	0.00	1.00	0.00
10.24	18.53	2.00	0.00	1.00	0.00	10.26	18.52	2.00	0.00	1.00	0.00
10.28	18.50	2.00	0.00	1.00	0.00	10.30	18.48	2.00	0.00	1.00	0.00
10.32	18.37	2.00	0.00	1.00	0.00	10.34	18.26	2.00	0.00	1.00	0.00
10.36	18.24	2.00	0.00	1.00	0.00	10.38	18.32	2.00	0.00	1.00	0.00
10.40	18.40	2.00	0.00	1.00	0.00	10.42	19.54	2.00	0.00	1.00	0.00
10.44	19.42	2.00	0.00	1.00	0.00	10.46	19.41	2.00	0.00	1.00	0.00
10.48	18.91	2.00	0.00	1.00	0.00	10.50	18.80	2.00	0.00	1.00	0.00
10.52	19.07	2.00	0.00	1.00	0.00	10.54	18.86	2.00	0.00	1.00	0.00
10.56	18.65	2.00	0.00	1.00	0.00	10.58	18.16	2.00	0.00	1.00	0.00
10.60	18.42	2.00	0.00	1.00	0.00	10.62	18.98	2.00	0.00	1.00	0.00
10.64	18.77	2.00	0.00	1.00	0.00	10.66	19.33	2.00	0.00	1.00	0.00
10.68	19.60	2.00	0.00	1.00	0.00	10.70	20.15	2.00	0.00	1.00	0.00
10.72	20.13	2.00	0.00	1.00	0.00	10.74	20.21	2.00	0.00	1.00	0.00
10.76	20.19	2.00	0.00	1.00	0.00	10.78	19.98	2.00	0.00	1.00	0.00
10.80	20.06	2.00	0.00	1.00	0.00	10.82	20.14	2.00	0.00	1.00	0.00
10.84	20.21	2.00	0.00	1.00	0.00	10.86	20.10	2.00	0.00	1.00	0.00
10.88	20.18	2.00	0.00	1.00	0.00	10.90	19.88	2.00	0.00	1.00	0.00
10.92	19.58	2.00	0.00	1.00	0.00	10.94	20.03	2.00	0.00	1.00	0.00
10.96	20.01	2.00	0.00	1.00	0.00	10.98	19.81	2.00	0.00	1.00	0.00
11.00	20.07	2.00	0.00	1.00	0.00	11.02	20.99	2.00	0.00	1.00	0.00
11.04	22.19	2.00	0.00	1.00	0.00	11.06	23.96	2.00	0.00	1.00	0.00
11.08	24.78	2.00	0.00	1.00	0.00	11.10	24.67	2.00	0.00	1.00	0.00
11.12	23.90	2.00	0.00	1.00	0.00	11.14	22.38	2.00	0.00	1.00	0.00
11.16	21.52	2.00	0.00	1.00	0.00	11.18	21.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	23.35	2.00	0.00	1.00	0.00	11.22	22.03	2.00	0.00	1.00	0.00
11.24	21.73	2.00	0.00	1.00	0.00	11.26	20.87	2.00	0.00	1.00	0.00
11.28	20.85	2.00	0.00	1.00	0.00	11.30	20.46	2.00	0.00	1.00	0.00
11.32	20.07	2.00	0.00	1.00	0.00	11.34	19.68	2.00	0.00	1.00	0.00
11.36	19.57	2.00	0.00	1.00	0.00	11.38	19.46	2.00	0.00	1.00	0.00
11.40	19.63	2.00	0.00	1.00	0.00	11.42	20.63	2.00	0.00	1.00	0.00
11.44	19.79	2.00	0.00	1.00	0.00	11.46	19.95	2.00	0.00	1.00	0.00
11.48	20.21	2.00	0.00	1.00	0.00	11.50	19.74	2.00	0.00	1.00	0.00
11.52	19.72	2.00	0.00	1.00	0.00	11.54	19.98	2.00	0.00	1.00	0.00
11.56	20.24	2.00	0.00	1.00	0.00	11.58	21.33	2.00	0.00	1.00	0.00
11.60	21.13	2.00	0.00	1.00	0.00	11.62	20.83	2.00	0.00	1.00	0.00
11.64	20.27	2.00	0.00	1.00	0.00	11.66	19.79	2.00	0.00	1.00	0.00
11.68	19.13	2.00	0.00	1.00	0.00	11.70	18.29	2.00	0.00	1.00	0.00
11.72	18.10	2.00	0.00	1.00	0.00	11.74	18.35	2.00	0.00	1.00	0.00
11.76	18.61	2.00	0.00	1.00	0.00	11.78	19.33	2.00	0.00	1.00	0.00
11.80	19.68	2.00	0.00	1.00	0.00	11.82	20.11	2.00	0.00	1.00	0.00
11.84	20.37	2.00	0.00	1.00	0.00	11.86	20.72	2.00	0.00	1.00	0.00
11.88	20.79	2.00	0.00	1.00	0.00	11.90	21.05	2.00	0.00	1.00	0.00
11.92	21.58	2.00	0.00	1.00	0.00	11.94	21.65	2.00	0.00	1.00	0.00
11.96	21.82	2.00	0.00	1.00	0.00	11.98	22.07	2.00	0.00	1.00	0.00
12.00	22.24	2.00	0.00	1.00	0.00	12.02	21.68	2.00	0.00	1.00	0.00
12.04	20.66	2.00	0.00	1.00	0.00	12.06	20.10	2.00	0.00	1.00	0.00
12.08	18.91	2.00	0.00	1.00	0.00	12.10	17.82	2.00	0.00	1.00	0.00
12.12	16.81	2.00	0.00	1.00	0.00	12.14	15.36	2.00	0.00	1.00	0.00
12.16	14.00	2.00	0.00	1.00	0.00	12.18	12.74	2.00	0.00	1.00	0.00
12.20	12.46	2.00	0.00	1.00	0.00	12.22	12.36	2.00	0.00	1.00	0.00
12.24	12.98	2.00	0.00	1.00	0.00	12.26	13.06	2.00	0.00	1.00	0.00
12.28	13.05	2.00	0.00	1.00	0.00	12.30	12.59	2.00	0.00	1.00	0.00
12.32	12.14	2.00	0.00	1.00	0.00	12.34	12.31	2.00	0.00	1.00	0.00
12.36	12.03	2.00	0.00	1.00	0.00	12.38	11.85	2.00	0.00	1.00	0.00
12.40	11.93	2.00	0.00	1.00	0.00	12.42	12.09	2.00	0.00	1.00	0.00
12.44	11.56	2.00	0.00	1.00	0.00	12.46	10.40	2.00	0.00	1.00	0.00
12.48	8.90	2.00	0.00	1.00	0.00	12.50	8.98	2.00	0.00	1.00	0.00
12.52	9.32	2.00	0.00	1.00	0.00	12.54	9.49	2.00	0.00	1.00	0.00
12.56	9.84	2.00	0.00	1.00	0.00	12.58	9.48	2.00	0.00	1.00	0.00
12.60	9.30	2.00	0.00	1.00	0.00	12.62	9.47	2.00	0.00	1.00	0.00
12.64	9.99	2.00	0.00	1.00	0.00	12.66	10.59	2.00	0.00	1.00	0.00
12.68	11.46	2.00	0.00	1.00	0.00	12.70	12.41	2.00	0.00	1.00	0.00
12.72	13.46	2.00	0.00	1.00	0.00	12.74	14.15	2.00	0.00	1.00	0.00
12.76	14.75	2.00	0.00	1.00	0.00	12.78	14.74	2.00	0.00	1.00	0.00
12.80	14.12	2.00	0.00	1.00	0.00	12.82	13.41	2.00	0.00	1.00	0.00
12.84	12.45	2.00	0.00	1.00	0.00	12.86	11.92	2.00	0.00	1.00	0.00
12.88	12.00	2.00	0.00	1.00	0.00	12.90	12.42	2.00	0.00	1.00	0.00
12.92	12.68	2.00	0.00	1.00	0.00	12.94	13.10	2.00	0.00	1.00	0.00
12.96	13.96	2.00	0.00	1.00	0.00	12.98	14.39	2.00	0.00	1.00	0.00
13.00	14.03	2.00	0.00	1.00	0.00	13.02	14.37	2.00	0.00	1.00	0.00
13.04	15.57	2.00	0.00	1.00	0.00	13.06	15.57	2.00	0.00	1.00	0.00
13.08	14.52	2.00	0.00	1.00	0.00	13.10	12.86	2.00	0.00	1.00	0.00
13.12	12.17	2.00	0.00	1.00	0.00	13.14	12.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	13.88	2.00	0.00	1.00	0.00	13.18	14.39	2.00	0.00	1.00	0.00
13.20	14.29	2.00	0.00	1.00	0.00	13.22	13.59	2.00	0.00	1.00	0.00
13.24	14.10	2.00	0.00	1.00	0.00	13.26	13.92	2.00	0.00	1.00	0.00
13.28	13.91	2.00	0.00	1.00	0.00	13.30	14.33	2.00	0.00	1.00	0.00
13.32	15.45	2.00	0.00	1.00	0.00	13.34	18.54	2.00	0.00	1.00	0.00
13.36	76.61	0.92	4.18	1.00	0.08	13.38	19.31	2.00	0.00	1.00	0.00
13.40	17.05	2.00	0.00	1.00	0.00	13.42	17.47	2.00	0.00	1.00	0.00
13.44	19.62	2.00	0.00	1.00	0.00	13.46	17.19	2.00	0.00	1.00	0.00
13.48	14.61	2.00	0.00	1.00	0.00	13.50	12.71	2.00	0.00	1.00	0.00
13.52	11.93	2.00	0.00	1.00	0.00	13.54	12.27	2.00	0.00	1.00	0.00
13.56	12.17	2.00	0.00	1.00	0.00	13.58	12.33	2.00	0.00	1.00	0.00
13.60	12.32	2.00	0.00	1.00	0.00	13.62	13.42	2.00	0.00	1.00	0.00
13.64	14.43	2.00	0.00	1.00	0.00	13.66	14.34	2.00	0.00	1.00	0.00
13.68	12.38	2.00	0.00	1.00	0.00	13.70	11.61	2.00	0.00	1.00	0.00
13.72	11.18	2.00	0.00	1.00	0.00	13.74	11.34	2.00	0.00	1.00	0.00
13.76	11.67	2.00	0.00	1.00	0.00	13.78	12.77	2.00	0.00	1.00	0.00
13.80	13.44	2.00	0.00	1.00	0.00	13.82	14.36	2.00	0.00	1.00	0.00
13.84	15.79	2.00	0.00	1.00	0.00	13.86	17.31	2.00	0.00	1.00	0.00
13.88	18.08	2.00	0.00	1.00	0.00	13.90	14.34	2.00	0.00	1.00	0.00
13.92	13.32	2.00	0.00	1.00	0.00	13.94	13.73	2.00	0.00	1.00	0.00
13.96	12.71	2.00	0.00	1.00	0.00	13.98	12.19	2.00	0.00	1.00	0.00
14.00	12.86	2.00	0.00	1.00	0.00	14.02	14.11	2.00	0.00	1.00	0.00
14.04	16.72	2.00	0.00	1.00	0.00	14.06	74.01	0.91	4.32	1.00	0.09
14.08	15.26	2.00	0.00	1.00	0.00	14.10	17.28	2.00	0.00	1.00	0.00
14.12	17.86	2.00	0.00	1.00	0.00	14.14	18.11	2.00	0.00	1.00	0.00
14.16	16.16	2.00	0.00	1.00	0.00	14.18	15.74	2.00	0.00	1.00	0.00
14.20	16.65	2.00	0.00	1.00	0.00	14.22	16.72	2.00	0.00	1.00	0.00
14.24	16.55	2.00	0.00	1.00	0.00	14.26	17.89	2.00	0.00	1.00	0.00
14.28	18.89	2.00	0.00	1.00	0.00	14.30	19.46	2.00	0.00	1.00	0.00
14.32	20.56	2.00	0.00	1.00	0.00	14.34	23.43	2.00	0.00	1.00	0.00
14.36	24.77	2.00	0.00	1.00	0.00	14.38	24.42	2.00	0.00	1.00	0.00
14.40	23.06	2.00	0.00	1.00	0.00	14.42	21.95	2.00	0.00	1.00	0.00
14.44	19.90	2.00	0.00	1.00	0.00	14.46	21.92	2.00	0.00	1.00	0.00
14.48	20.73	2.00	0.00	1.00	0.00	14.50	23.76	2.00	0.00	1.00	0.00
14.52	26.12	2.00	0.00	1.00	0.00	14.54	28.82	2.00	0.00	1.00	0.00
14.56	28.29	2.00	0.00	1.00	0.00	14.58	27.17	2.00	0.00	1.00	0.00
14.60	26.89	2.00	0.00	1.00	0.00	14.62	27.89	2.00	0.00	1.00	0.00
14.64	28.98	2.00	0.00	1.00	0.00	14.66	29.64	2.00	0.00	1.00	0.00
14.68	30.47	2.00	0.00	1.00	0.00	14.70	91.40	1.11	0.79	1.00	0.02
14.72	91.04	1.10	0.80	1.00	0.02	14.74	90.53	1.10	0.83	1.00	0.02
14.76	90.39	1.10	0.83	1.00	0.02	14.78	89.82	1.09	0.85	1.00	0.02
14.80	90.95	1.10	0.80	1.00	0.02	14.82	93.36	1.13	0.70	1.00	0.01
14.84	96.07	1.17	0.62	1.00	0.01	14.86	97.88	1.20	0.56	1.00	0.01
14.88	97.65	1.20	0.57	1.00	0.01	14.90	96.16	1.17	0.61	1.00	0.01
14.92	96.16	1.18	0.61	1.00	0.01	14.94	95.88	1.17	0.61	1.00	0.01
14.96	98.08	1.20	0.55	1.00	0.01	14.98	100.59	1.24	0.49	1.00	0.01
15.00	102.03	1.27	0.46	1.00	0.01	15.02	101.10	1.25	0.48	1.00	0.01
15.04	98.49	1.21	0.54	1.00	0.01	15.06	93.89	1.15	0.66	1.00	0.01
15.08	89.96	1.10	0.81	1.00	0.02	15.10	84.05	1.03	1.22	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	75.82	0.95	4.22	1.00	0.08	15.14	74.71	0.94	4.28	1.00	0.09
15.16	82.64	1.02	1.38	1.00	0.03	15.18	83.35	1.03	1.28	1.00	0.03
15.20	22.28	2.00	0.00	1.00	0.00	15.22	20.72	2.00	0.00	1.00	0.00
15.24	20.22	2.00	0.00	1.00	0.00	15.26	19.13	2.00	0.00	1.00	0.00
15.28	19.28	2.00	0.00	1.00	0.00	15.30	17.80	2.00	0.00	1.00	0.00
15.32	15.49	2.00	0.00	1.00	0.00	15.34	14.33	2.00	0.00	1.00	0.00
15.36	13.67	2.00	0.00	1.00	0.00	15.38	13.26	2.00	0.00	1.00	0.00
15.40	13.00	2.00	0.00	1.00	0.00	15.42	13.89	2.00	0.00	1.00	0.00
15.44	15.18	2.00	0.00	1.00	0.00	15.46	15.90	2.00	0.00	1.00	0.00
15.48	15.81	2.00	0.00	1.00	0.00	15.50	15.72	2.00	0.00	1.00	0.00
15.52	11.74	2.00	0.00	1.00	0.00	15.54	12.46	2.00	0.00	1.00	0.00
15.56	13.10	2.00	0.00	1.00	0.00	15.58	13.09	2.00	0.00	1.00	0.00
15.60	13.08	2.00	0.00	1.00	0.00	15.62	12.91	2.00	0.00	1.00	0.00
15.64	13.63	2.00	0.00	1.00	0.00	15.66	14.50	2.00	0.00	1.00	0.00
15.68	14.25	2.00	0.00	1.00	0.00	15.70	13.60	2.00	0.00	1.00	0.00
15.72	12.55	2.00	0.00	1.00	0.00	15.74	11.50	2.00	0.00	1.00	0.00
15.76	11.66	2.00	0.00	1.00	0.00	15.78	12.85	2.00	0.00	1.00	0.00
15.80	13.81	2.00	0.00	1.00	0.00	15.82	14.92	2.00	0.00	1.00	0.00
15.84	14.75	2.00	0.00	1.00	0.00	15.86	14.58	2.00	0.00	1.00	0.00
15.88	15.38	2.00	0.00	1.00	0.00	15.90	15.77	2.00	0.00	1.00	0.00
15.92	16.17	2.00	0.00	1.00	0.00	15.94	16.24	2.00	0.00	1.00	0.00
15.96	16.07	2.00	0.00	1.00	0.00	15.98	15.26	2.00	0.00	1.00	0.00
16.00	15.33	2.00	0.00	1.00	0.00	16.02	15.56	2.00	0.00	1.00	0.00
16.04	15.95	2.00	0.00	1.00	0.00	16.06	15.70	2.00	0.00	1.00	0.00
16.08	16.17	2.00	0.00	1.00	0.00	16.10	17.04	2.00	0.00	1.00	0.00
16.12	17.75	2.00	0.00	1.00	0.00	16.14	17.90	2.00	0.00	1.00	0.00
16.16	18.06	2.00	0.00	1.00	0.00	16.18	18.45	2.00	0.00	1.00	0.00
16.20	18.76	2.00	0.00	1.00	0.00	16.22	18.67	2.00	0.00	1.00	0.00
16.24	18.66	2.00	0.00	1.00	0.00	16.26	18.00	2.00	0.00	1.00	0.00
16.28	16.87	2.00	0.00	1.00	0.00	16.30	16.45	2.00	0.00	1.00	0.00
16.32	16.28	2.00	0.00	1.00	0.00	16.34	16.19	2.00	0.00	1.00	0.00
16.36	15.54	2.00	0.00	1.00	0.00	16.38	14.90	2.00	0.00	1.00	0.00
16.40	14.81	2.00	0.00	1.00	0.00	16.42	14.88	2.00	0.00	1.00	0.00
16.44	14.55	2.00	0.00	1.00	0.00	16.46	14.46	2.00	0.00	1.00	0.00
16.48	13.90	2.00	0.00	1.00	0.00	16.50	13.18	2.00	0.00	1.00	0.00
16.52	13.10	2.00	0.00	1.00	0.00	16.54	12.54	2.00	0.00	1.00	0.00
16.56	12.22	2.00	0.00	1.00	0.00	16.58	12.52	2.00	0.00	1.00	0.00
16.60	12.91	2.00	0.00	1.00	0.00	16.62	12.98	2.00	0.00	1.00	0.00
16.64	13.44	2.00	0.00	1.00	0.00	16.66	13.59	2.00	0.00	1.00	0.00
16.68	13.82	2.00	0.00	1.00	0.00	16.70	14.04	2.00	0.00	1.00	0.00
16.72	14.43	2.00	0.00	1.00	0.00	16.74	14.65	2.00	0.00	1.00	0.00
16.76	14.72	2.00	0.00	1.00	0.00	16.78	14.64	2.00	0.00	1.00	0.00
16.80	14.94	2.00	0.00	1.00	0.00	16.82	15.32	2.00	0.00	1.00	0.00
16.84	16.02	2.00	0.00	1.00	0.00	16.86	15.85	2.00	0.00	1.00	0.00
16.88	15.84	2.00	0.00	1.00	0.00	16.90	16.07	2.00	0.00	1.00	0.00
16.92	16.06	2.00	0.00	1.00	0.00	16.94	16.21	2.00	0.00	1.00	0.00
16.96	16.83	2.00	0.00	1.00	0.00	16.98	16.89	2.00	0.00	1.00	0.00
17.00	16.96	2.00	0.00	1.00	0.00	17.02	16.40	2.00	0.00	1.00	0.00
17.04	16.63	2.00	0.00	1.00	0.00	17.06	16.85	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	16.06	2.00	0.00	1.00	0.00	17.10	15.81	2.00	0.00	1.00	0.00
17.12	14.87	2.00	0.00	1.00	0.00	17.14	14.62	2.00	0.00	1.00	0.00
17.16	15.00	2.00	0.00	1.00	0.00	17.18	14.92	2.00	0.00	1.00	0.00
17.20	14.67	2.00	0.00	1.00	0.00	17.22	14.59	2.00	0.00	1.00	0.00
17.24	14.58	2.00	0.00	1.00	0.00	17.26	14.34	2.00	0.00	1.00	0.00
17.28	13.94	2.00	0.00	1.00	0.00	17.30	13.62	2.00	0.00	1.00	0.00
17.32	14.54	2.00	0.00	1.00	0.00	17.34	14.77	2.00	0.00	1.00	0.00
17.36	14.76	2.00	0.00	1.00	0.00	17.38	14.82	2.00	0.00	1.00	0.00
17.40	14.58	2.00	0.00	1.00	0.00	17.42	14.34	2.00	0.00	1.00	0.00
17.44	14.87	2.00	0.00	1.00	0.00	17.46	15.02	2.00	0.00	1.00	0.00
17.48	15.24	2.00	0.00	1.00	0.00	17.50	15.00	2.00	0.00	1.00	0.00
17.52	14.61	2.00	0.00	1.00	0.00	17.54	13.98	2.00	0.00	1.00	0.00
17.56	13.21	2.00	0.00	1.00	0.00	17.58	12.82	2.00	0.00	1.00	0.00
17.60	12.66	2.00	0.00	1.00	0.00	17.62	13.11	2.00	0.00	1.00	0.00
17.64	13.56	2.00	0.00	1.00	0.00	17.66	14.01	2.00	0.00	1.00	0.00
17.68	14.46	2.00	0.00	1.00	0.00	17.70	14.84	2.00	0.00	1.00	0.00
17.72	15.67	2.00	0.00	1.00	0.00	17.74	16.12	2.00	0.00	1.00	0.00
17.76	16.11	2.00	0.00	1.00	0.00	17.78	15.03	2.00	0.00	1.00	0.00
17.80	14.18	2.00	0.00	1.00	0.00	17.82	13.87	2.00	0.00	1.00	0.00
17.84	13.33	2.00	0.00	1.00	0.00	17.86	12.49	2.00	0.00	1.00	0.00
17.88	12.18	2.00	0.00	1.00	0.00	17.90	12.93	2.00	0.00	1.00	0.00
17.92	13.30	2.00	0.00	1.00	0.00	17.94	13.21	2.00	0.00	1.00	0.00
17.96	12.83	2.00	0.00	1.00	0.00	17.98	14.41	2.00	0.00	1.00	0.00
18.00	15.70	2.00	0.00	1.00	0.00	18.02	18.27	2.00	0.00	1.00	0.00
18.04	18.80	2.00	0.00	1.00	0.00	18.06	18.25	2.00	0.00	1.00	0.00
18.08	17.34	2.00	0.00	1.00	0.00	18.10	17.71	2.00	0.00	1.00	0.00
18.12	17.77	2.00	0.00	1.00	0.00	18.14	15.79	2.00	0.00	1.00	0.00
18.16	12.08	2.00	0.00	1.00	0.00	18.18	10.50	2.00	0.00	1.00	0.00
18.20	8.86	2.00	0.00	1.00	0.00	18.22	7.90	2.00	0.00	1.00	0.00
18.24	7.75	2.00	0.00	1.00	0.00	18.26	7.60	2.00	0.00	1.00	0.00
18.28	7.74	2.00	0.00	1.00	0.00	18.30	7.59	2.00	0.00	1.00	0.00
18.32	7.44	2.00	0.00	1.00	0.00	18.34	7.73	2.00	0.00	1.00	0.00
18.36	8.09	2.00	0.00	1.00	0.00	18.38	8.09	2.00	0.00	1.00	0.00
18.40	7.72	2.00	0.00	1.00	0.00	18.42	7.20	2.00	0.00	1.00	0.00
18.44	6.47	2.00	0.00	1.00	0.00	18.46	7.27	2.00	0.00	1.00	0.00
18.48	7.34	2.00	0.00	1.00	0.00	18.50	7.48	2.00	0.00	1.00	0.00
18.52	7.62	2.00	0.00	1.00	0.00	18.54	7.69	2.00	0.00	1.00	0.00
18.56	7.98	2.00	0.00	1.00	0.00	18.58	8.05	2.00	0.00	1.00	0.00
18.60	7.97	2.00	0.00	1.00	0.00	18.62	7.97	2.00	0.00	1.00	0.00
18.64	7.97	2.00	0.00	1.00	0.00	18.66	7.74	2.00	0.00	1.00	0.00
18.68	7.74	2.00	0.00	1.00	0.00	18.70	7.95	2.00	0.00	1.00	0.00
18.72	8.02	2.00	0.00	1.00	0.00	18.74	8.02	2.00	0.00	1.00	0.00
18.76	7.94	2.00	0.00	1.00	0.00	18.78	8.01	2.00	0.00	1.00	0.00
18.80	8.08	2.00	0.00	1.00	0.00	18.82	8.00	2.00	0.00	1.00	0.00
18.84	8.07	2.00	0.00	1.00	0.00	18.86	8.14	2.00	0.00	1.00	0.00
18.88	8.28	2.00	0.00	1.00	0.00	18.90	8.28	2.00	0.00	1.00	0.00
18.92	8.27	2.00	0.00	1.00	0.00	18.94	8.34	2.00	0.00	1.00	0.00
18.96	8.34	2.00	0.00	1.00	0.00	18.98	8.41	2.00	0.00	1.00	0.00
19.00	8.48	2.00	0.00	1.00	0.00	19.02	8.54	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	8.83	2.00	0.00	1.00	0.00	19.06	8.90	2.00	0.00	1.00	0.00
19.08	9.11	2.00	0.00	1.00	0.00	19.10	9.33	2.00	0.00	1.00	0.00
19.12	9.39	2.00	0.00	1.00	0.00	19.14	9.17	2.00	0.00	1.00	0.00
19.16	8.95	2.00	0.00	1.00	0.00	19.18	8.87	2.00	0.00	1.00	0.00
19.20	8.94	2.00	0.00	1.00	0.00	19.22	9.15	2.00	0.00	1.00	0.00
19.24	9.15	2.00	0.00	1.00	0.00	19.26	9.22	2.00	0.00	1.00	0.00
19.28	9.21	2.00	0.00	1.00	0.00	19.30	9.35	2.00	0.00	1.00	0.00
19.32	9.57	2.00	0.00	1.00	0.00	19.34	9.63	2.00	0.00	1.00	0.00
19.36	9.99	2.00	0.00	1.00	0.00	19.38	10.20	2.00	0.00	1.00	0.00
19.40	10.34	2.00	0.00	1.00	0.00	19.42	10.41	2.00	0.00	1.00	0.00
19.44	10.55	2.00	0.00	1.00	0.00	19.46	10.62	2.00	0.00	1.00	0.00
19.48	10.90	2.00	0.00	1.00	0.00	19.50	10.90	2.00	0.00	1.00	0.00
19.52	11.04	2.00	0.00	1.00	0.00	19.54	11.18	2.00	0.00	1.00	0.00
19.56	11.25	2.00	0.00	1.00	0.00	19.58	11.31	2.00	0.00	1.00	0.00
19.60	11.74	2.00	0.00	1.00	0.00	19.62	11.38	2.00	0.00	1.00	0.00
19.64	12.02	2.00	0.00	1.00	0.00	19.66	13.03	2.00	0.00	1.00	0.00
19.68	13.76	2.00	0.00	1.00	0.00	19.70	13.90	2.00	0.00	1.00	0.00
19.72	13.53	2.00	0.00	1.00	0.00	19.74	13.74	2.00	0.00	1.00	0.00
19.76	13.80	2.00	0.00	1.00	0.00	19.78	13.87	2.00	0.00	1.00	0.00
19.80	14.15	2.00	0.00	1.00	0.00	19.82	14.29	2.00	0.00	1.00	0.00
19.84	14.14	2.00	0.00	1.00	0.00	19.86	13.99	2.00	0.00	1.00	0.00
19.88	12.53	2.00	0.00	1.00	0.00	19.90	12.09	2.00	0.00	1.00	0.00
19.92	12.01	2.00	0.00	1.00	0.00	19.94	12.14	2.00	0.00	1.00	0.00
19.96	12.14	2.00	0.00	1.00	0.00	19.98	12.28	2.00	0.00	1.00	0.00
20.00	12.27	2.00	0.00	1.00	0.00						

Total estimated settlement: 2.13

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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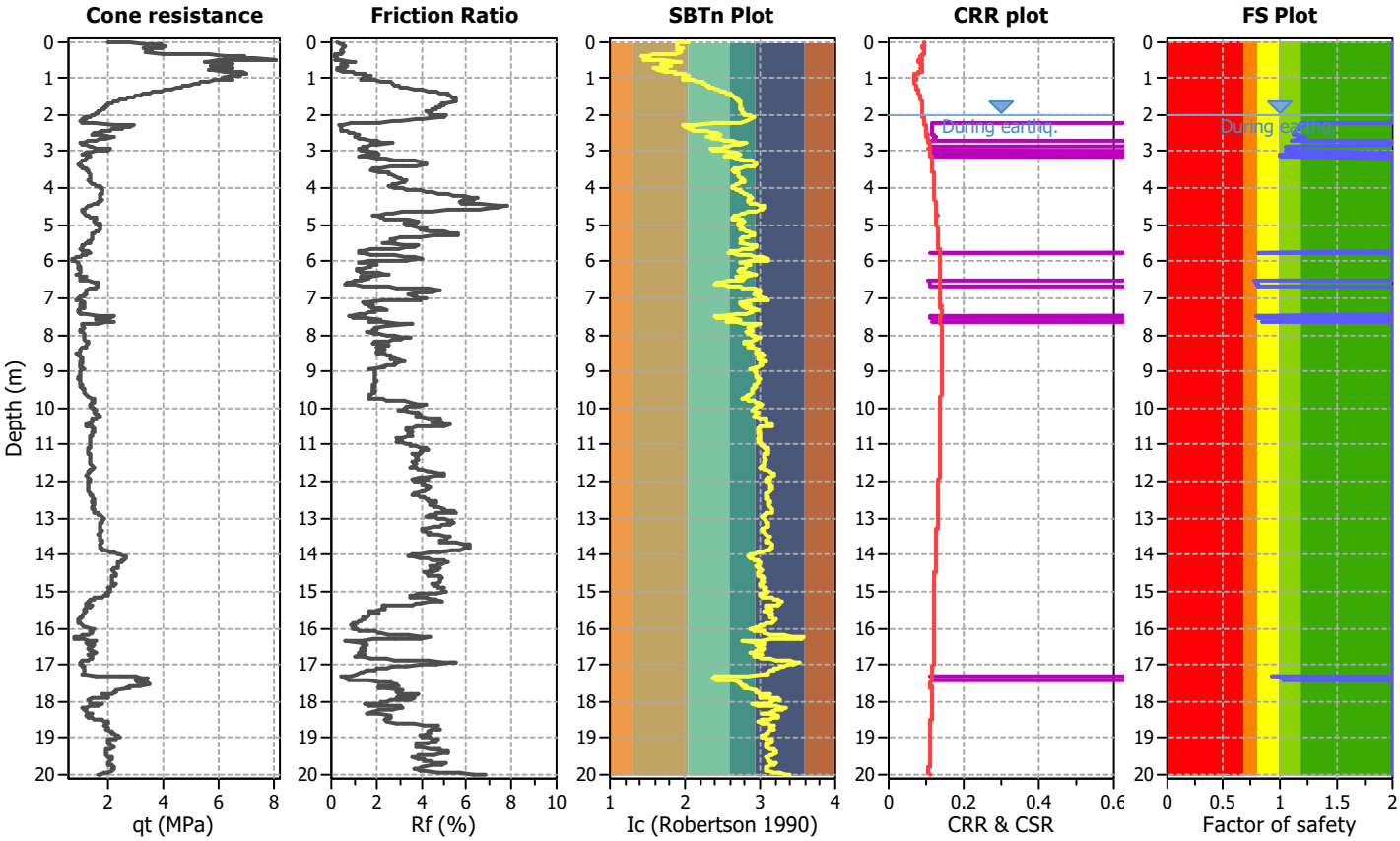
LIQUEFACTION ANALYSIS REPORT

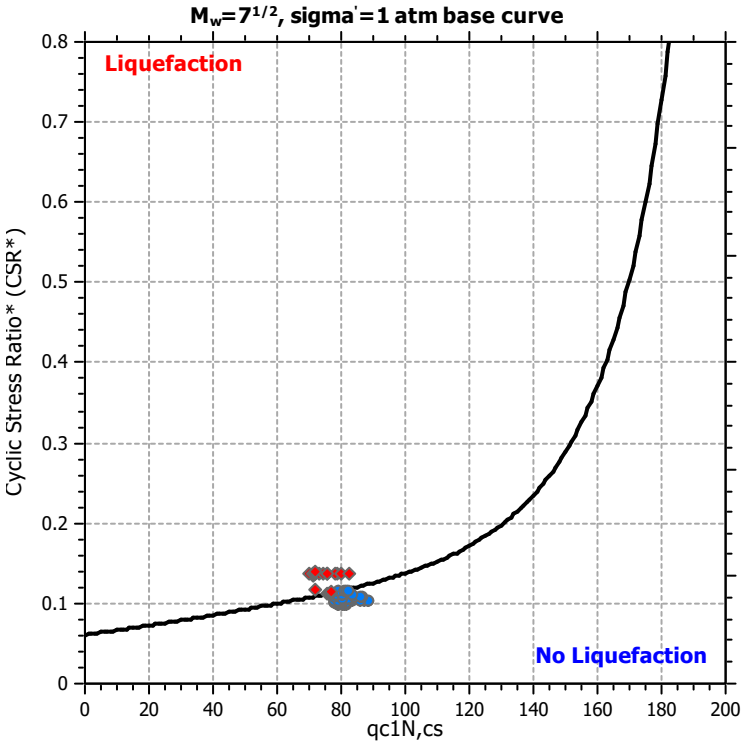
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

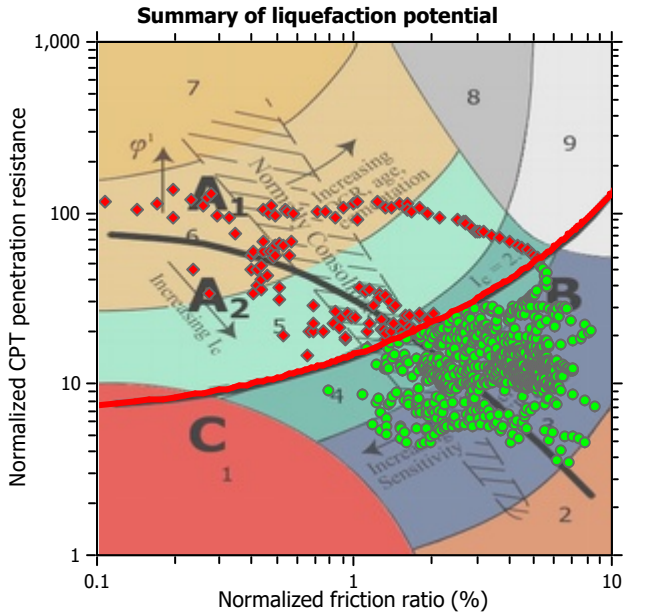
CPT file : P268

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

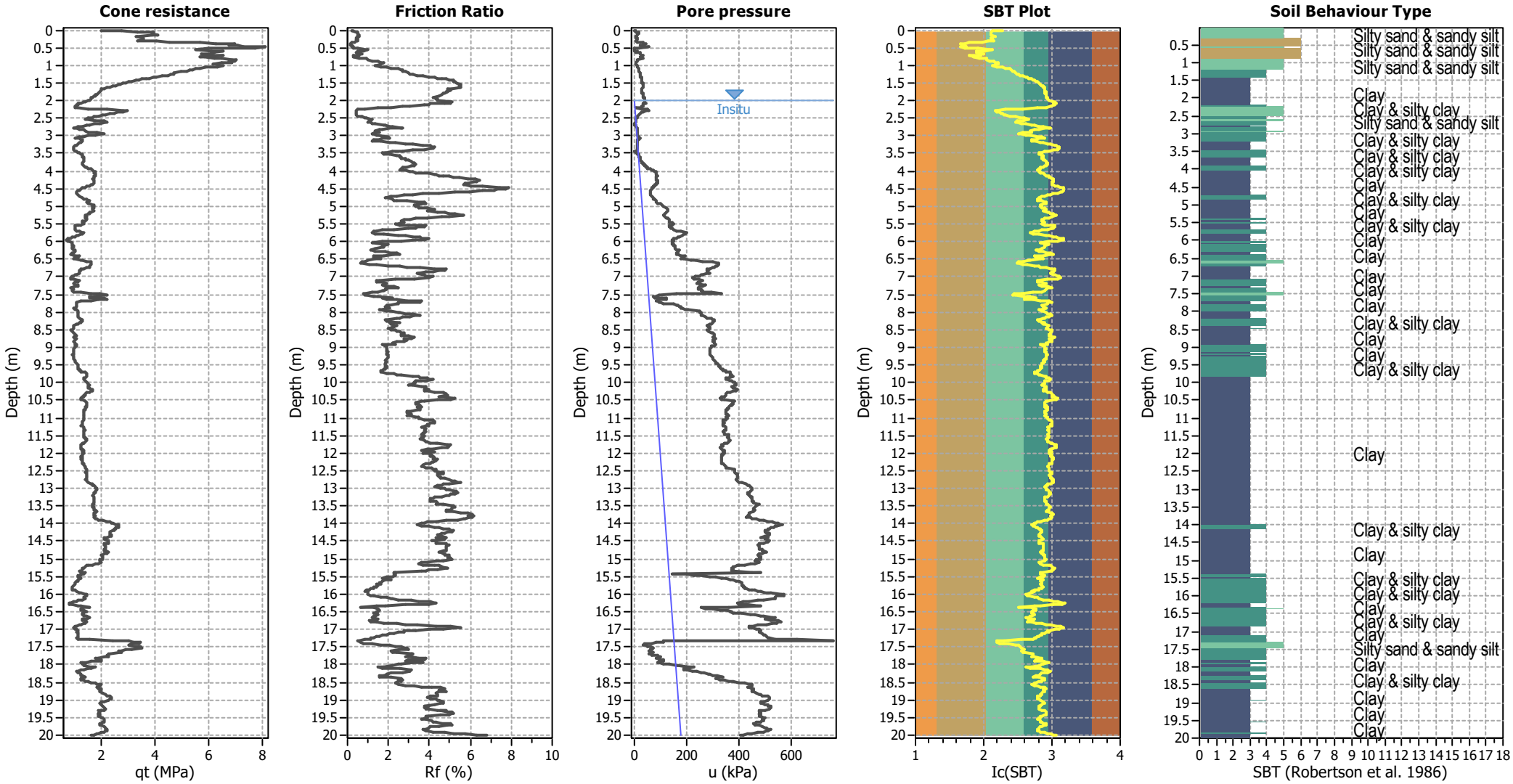






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



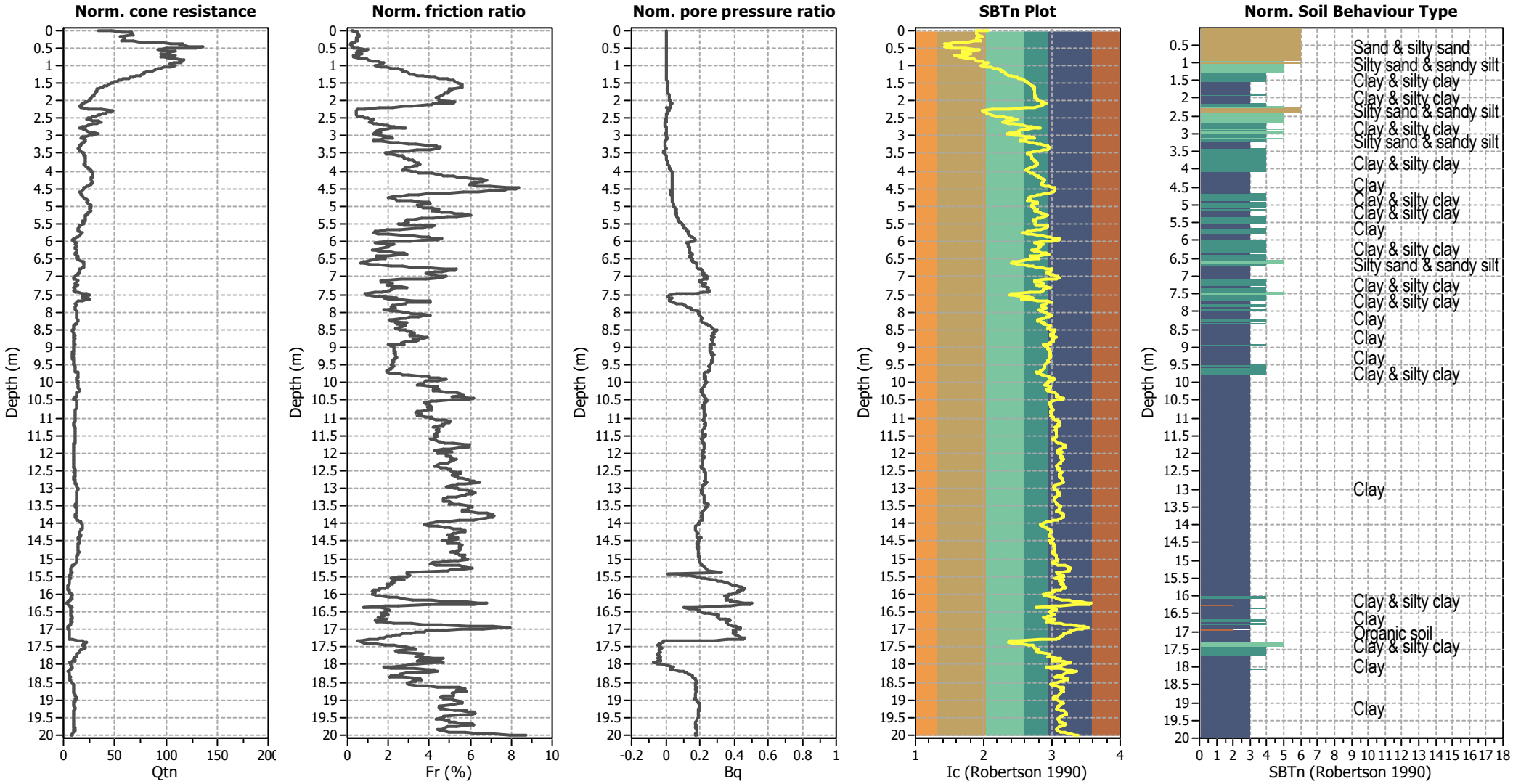
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



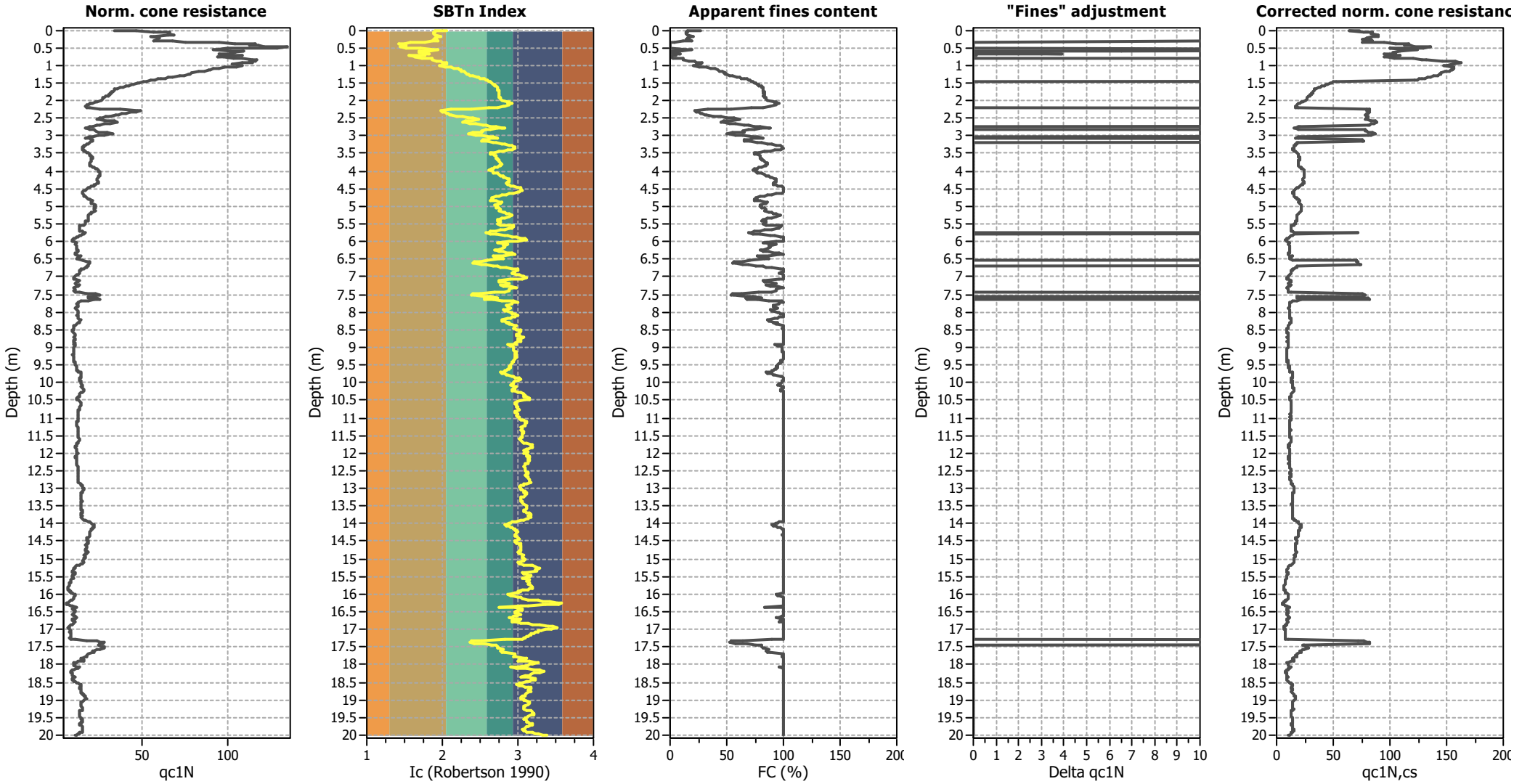
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

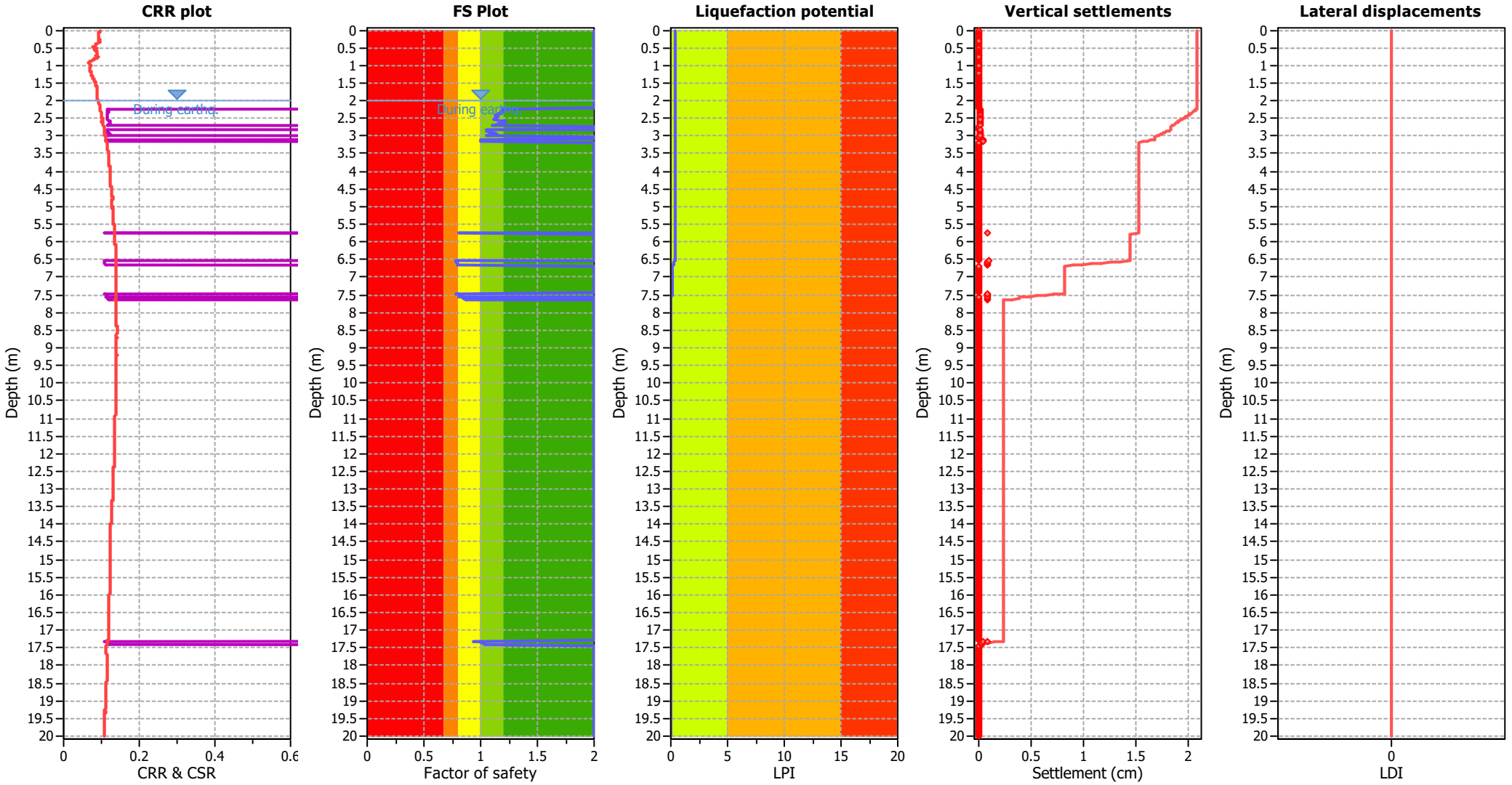
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

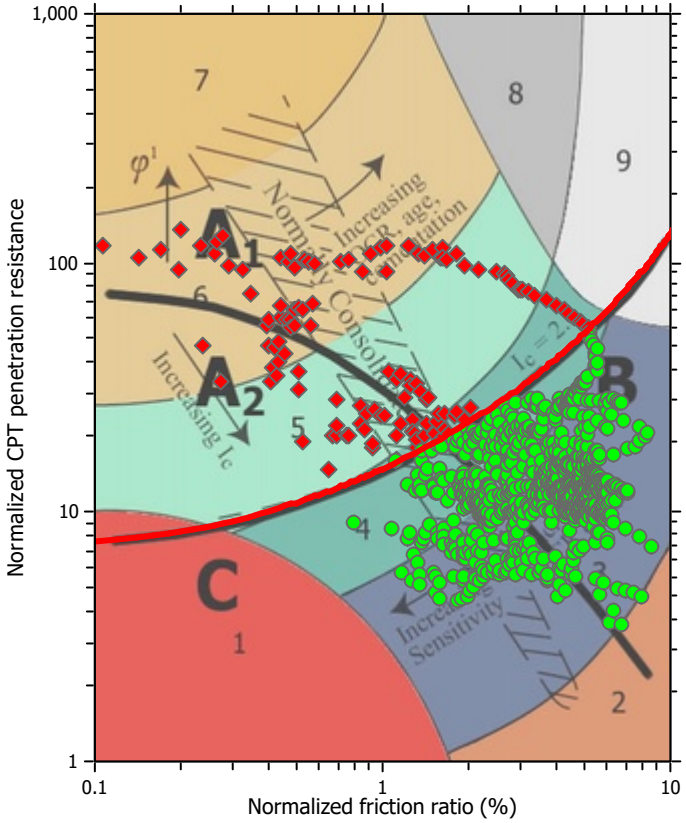
F.S. color scheme

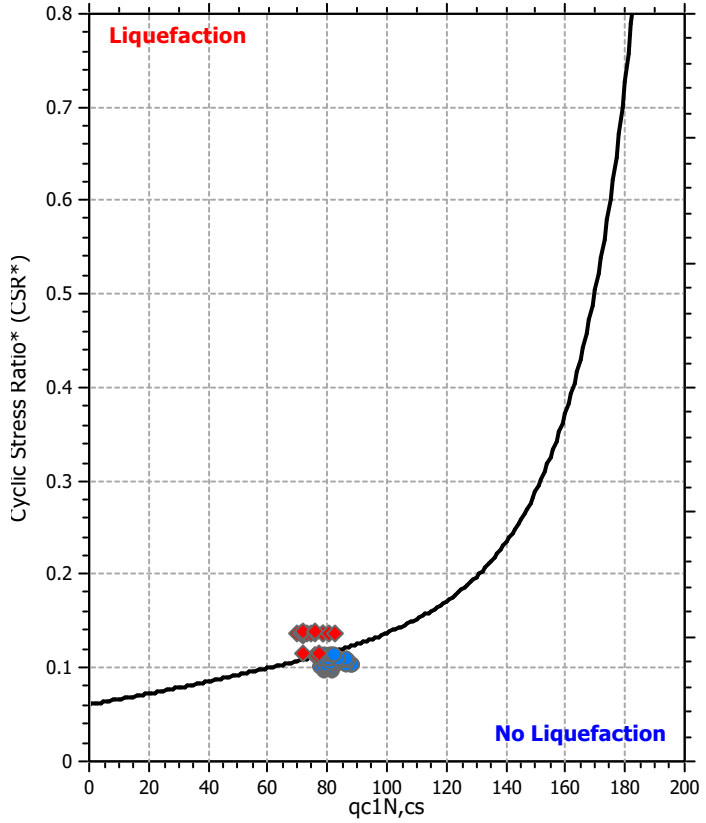
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

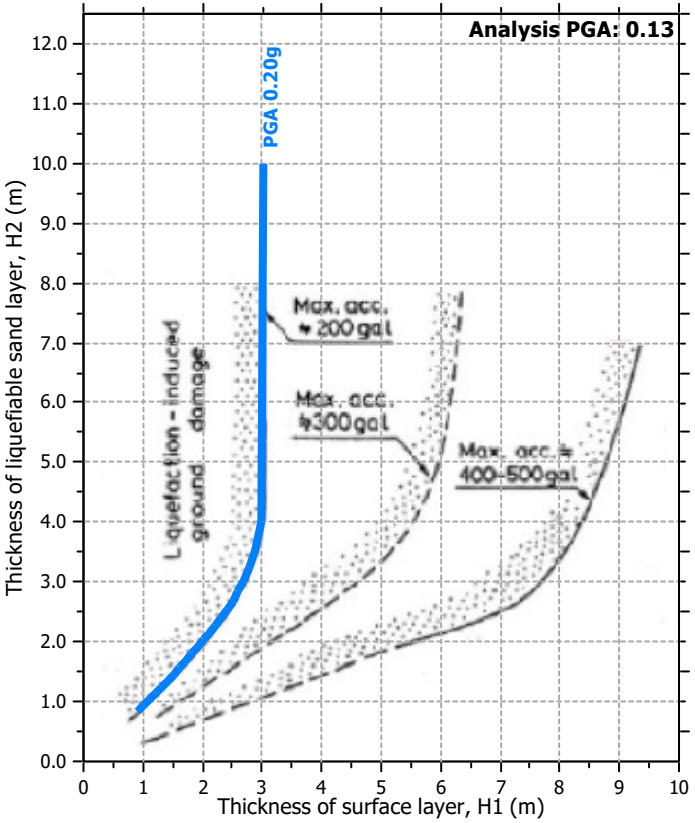
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



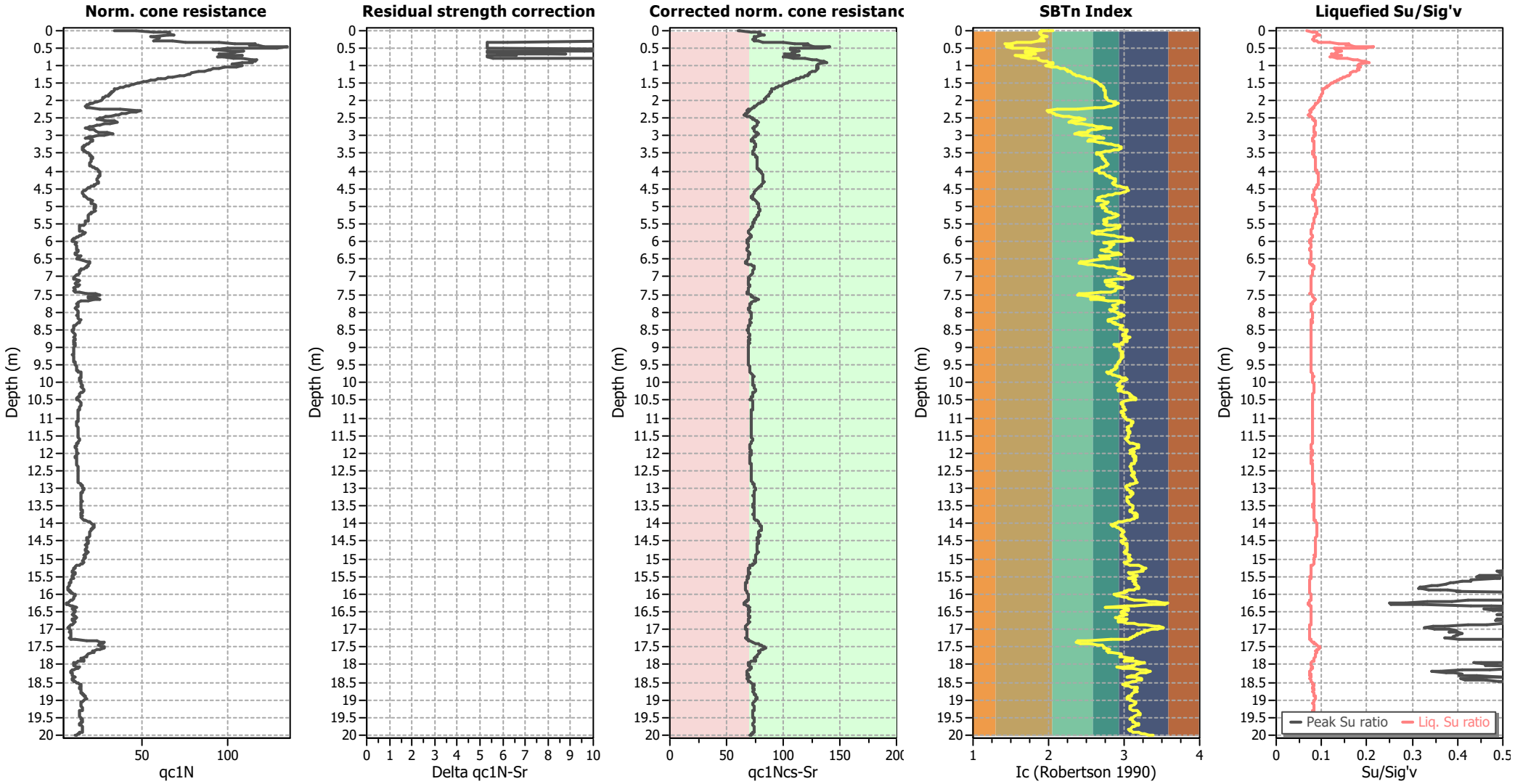




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	1.19	0.00	0.00	0.02	0.00
2.26	1.22	0.00	0.00	0.02	0.00	2.28	1.18	0.00	0.00	0.02	0.00
2.30	1.20	0.00	0.00	0.02	0.00	2.32	1.19	0.00	0.00	0.02	0.00
2.34	1.20	0.00	0.00	0.02	0.00	2.36	1.18	0.00	0.00	0.02	0.00
2.38	1.16	0.00	0.00	0.02	0.00	2.40	1.15	0.00	0.00	0.02	0.00
2.42	1.13	0.00	0.00	0.02	0.00	2.44	1.14	0.00	0.00	0.02	0.00
2.46	1.15	0.00	0.00	0.02	0.00	2.48	1.14	0.00	0.00	0.02	0.00
2.50	1.13	0.00	0.00	0.02	0.00	2.52	1.11	0.00	0.00	0.02	0.00
2.54	1.12	0.00	0.00	0.02	0.00	2.56	1.16	0.00	0.00	0.02	0.00
2.58	1.21	0.00	0.00	0.02	0.00	2.60	1.22	0.00	0.00	0.02	0.00
2.62	1.22	0.00	0.00	0.02	0.00	2.64	1.18	0.00	0.00	0.02	0.00
2.66	1.15	0.00	0.00	0.02	0.00	2.68	1.13	0.00	0.00	0.02	0.00
2.70	1.11	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	1.05	0.00	0.00	0.02	0.00
2.86	1.06	0.00	0.00	0.02	0.00	2.88	1.06	0.00	0.00	0.02	0.00
2.90	1.08	0.00	0.00	0.02	0.00	2.92	1.11	0.00	0.00	0.02	0.00
2.94	1.14	0.00	0.00	0.02	0.00	2.96	1.13	0.00	0.00	0.02	0.00
2.98	1.09	0.00	0.00	0.02	0.00	3.00	1.06	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	1.00	0.00	805264401	0.02	0.00	3.12	0.99	0.01	65083296.	0.02	0.00
3.14	0.99	0.01	936808904 440936.00	0.02	0.00	3.16	1.00	0.00	743899097	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	0.81	0.19	1.78	0.02	0.03
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	0.78	0.22	1.44	0.02	0.03	6.56	0.79	0.21	1.51	0.02	0.03
6.58	0.79	0.21	1.58	0.02	0.03	6.60	0.79	0.21	1.53	0.02	0.03
6.62	0.79	0.21	1.56	0.02	0.03	6.64	0.80	0.20	1.66	0.02	0.03
6.66	0.81	0.19	1.80	0.02	0.03	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	0.78	0.22	1.47	0.02	0.03	7.48	0.81	0.19	1.83	0.02	0.02
7.50	0.84	0.16	2.34	0.02	0.02	7.52	0.83	0.17	2.22	0.02	0.02
7.54	0.81	0.19	1.84	0.02	0.02	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	0.85	0.15	2.66	0.02	0.02	7.64	0.87	0.13	3.37	0.02	0.02
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	0.94	0.06	21.63	0.02	0.00
17.34	0.98	0.02	305136.38	0.02	0.00	17.36	1.01	0.00	0.00	0.02	0.00
17.38	1.03	0.00	0.00	0.02	0.00	17.40	1.04	0.00	0.00	0.02	0.00
17.42	1.04	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

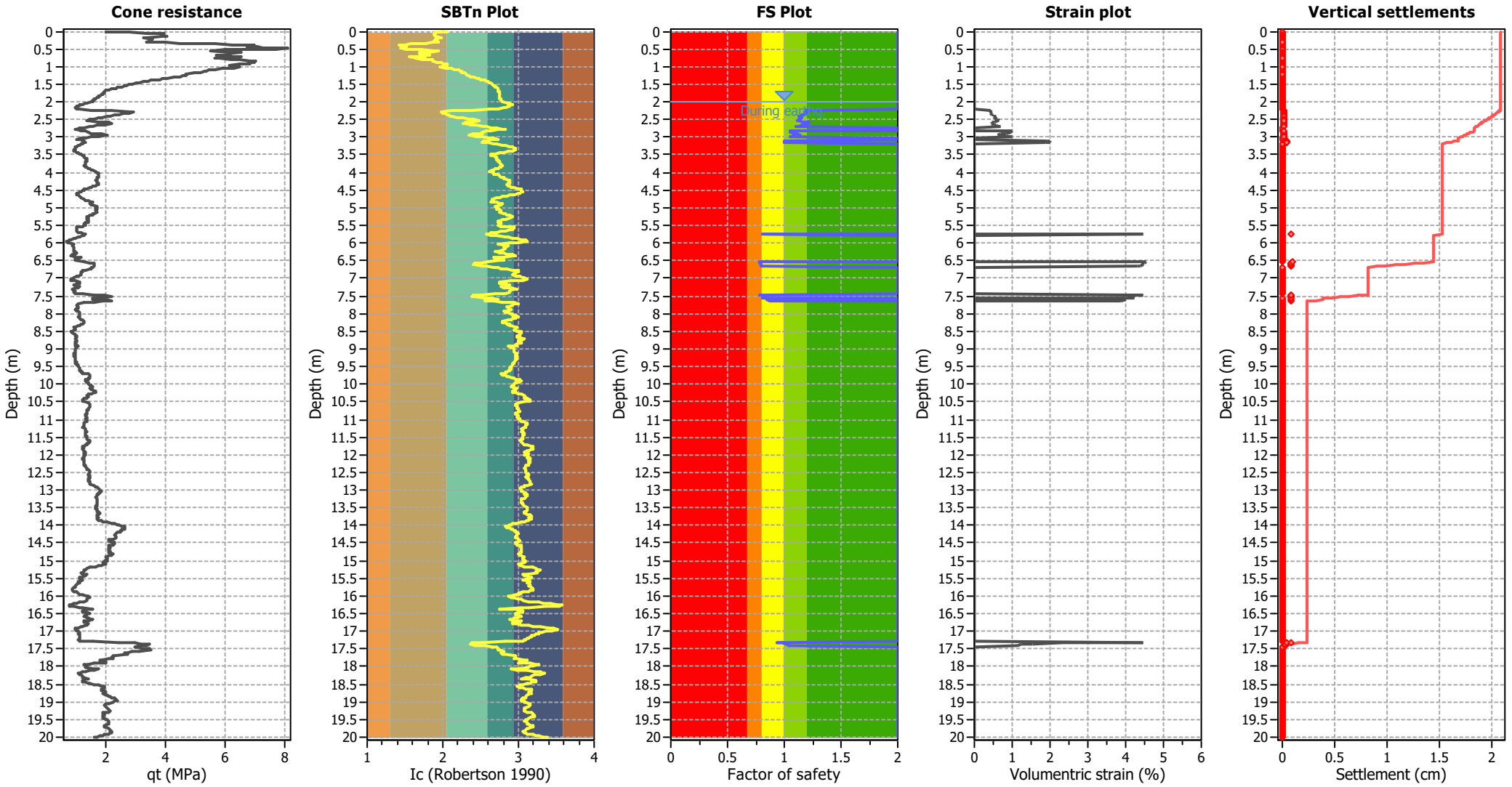
Overall liquefaction potential: 0.38

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	2.05	33.38	1.00	33.38	7	24160	0.10	0.000	0.00	3.58	0.00	0.000
0.04	1.90	46.50	1.00	46.50	9	27597	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.90	56.39	1.00	56.39	11	33707	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.89	66.18	1.23	81.51	16	38984	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.89	64.98	1.00	64.98	13	38280	0.09	0.000	0.00	3.58	0.00	0.000
0.12	1.89	64.79	1.00	64.79	13	38193	0.09	0.000	0.00	3.58	0.00	0.000
0.14	1.91	68.32	1.24	84.76	17	40937	0.09	0.000	0.00	3.58	0.00	0.000
0.16	1.91	65.28	1.24	81.01	16	39136	0.09	0.001	0.00	3.58	0.00	0.000
0.18	1.97	56.37	1.29	72.48	15	36761	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.95	54.85	1.00	54.85	11	34878	0.09	0.001	0.00	3.58	0.00	0.000
0.22	1.90	60.05	1.00	60.05	12	35706	0.09	0.001	0.00	3.58	0.00	0.000
0.24	1.91	59.20	1.00	59.20	12	35884	0.09	0.001	0.00	3.58	0.00	0.000
0.26	1.89	59.20	1.00	59.20	12	34677	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.92	59.20	1.00	59.20	12	36255	0.09	0.001	0.00	3.58	0.00	0.000
0.30	1.95	56.16	1.00	56.16	11	35521	0.09	0.001	0.00	3.58	0.00	0.000
0.32	1.86	67.40	1.00	67.40	13	37911	0.09	0.001	0.00	3.58	0.00	0.000
0.34	1.76	75.65	1.00	75.65	14	37867	0.09	0.001	0.00	3.58	0.00	0.000
0.36	1.58	94.87	1.00	94.87	17	37568	0.09	0.001	0.00	3.58	0.00	0.000
0.38	1.50	104.60	1.00	104.60	18	37390	0.09	0.002	0.00	3.58	0.00	0.000
0.40	1.42	116.92	1.00	116.92	20	38061	0.08	0.002	0.00	3.58	0.00	0.000
0.42	1.49	113.00	1.00	113.00	20	39827	0.09	0.002	0.00	3.58	0.00	0.000
0.44	1.52	118.13	1.00	118.13	21	43232	0.08	0.002	0.00	3.58	0.00	0.000
0.46	1.53	122.03	1.00	122.03	21	45281	0.08	0.002	0.00	3.58	0.00	0.000
0.48	1.44	135.58	1.00	135.58	23	44763	0.08	0.002	0.00	3.58	0.00	0.000
0.50	1.51	129.14	1.00	129.14	23	47109	0.08	0.002	0.00	3.58	0.00	0.000
0.52	1.72	100.37	1.00	100.37	19	47417	0.09	0.002	0.00	3.58	0.00	0.000
0.54	1.89	92.97	1.23	114.40	23	54640	0.09	0.001	0.00	3.58	0.00	0.000
0.56	1.95	91.96	1.27	116.50	24	57940	0.08	0.001	0.00	3.58	0.00	0.000
0.58	1.83	102.18	1.18	121.09	24	55750	0.09	0.002	0.00	3.58	0.00	0.000
0.60	1.69	109.30	1.00	109.30	20	49901	0.09	0.002	0.00	3.58	0.00	0.000
0.62	1.75	101.88	1.08	110.52	21	50129	0.09	0.002	0.00	3.58	0.00	0.000
0.64	1.69	104.13	1.00	104.13	19	47505	0.09	0.002	0.00	3.58	0.00	0.000
0.66	1.82	100.95	1.17	118.28	23	54109	0.09	0.002	0.00	3.58	0.00	0.000
0.68	1.75	95.38	1.00	95.38	18	46764	0.09	0.002	0.00	3.58	0.00	0.000
0.70	1.77	98.77	1.12	110.59	21	50048	0.09	0.002	0.00	3.58	0.00	0.000
0.72	1.75	100.80	1.09	109.84	21	49790	0.09	0.002	0.00	3.58	0.00	0.000
0.74	1.57	109.04	1.00	109.04	19	42511	0.09	0.003	0.00	3.58	0.00	0.000
0.76	1.67	94.36	1.00	94.36	17	41736	0.09	0.003	0.00	3.58	0.00	0.000
0.78	1.63	97.39	1.00	97.39	18	41279	0.09	0.003	0.00	3.58	0.00	0.000
0.80	1.74	103.80	1.06	110.42	21	50290	0.09	0.002	0.00	3.58	0.00	0.000
0.82	1.86	108.51	1.21	130.82	26	61071	0.08	0.002	0.00	3.58	0.00	0.000
0.84	1.86	114.42	1.21	138.44	27	64850	0.08	0.002	0.00	3.58	0.00	0.000
0.86	1.86	117.58	1.21	142.44	28	66811	0.08	0.002	0.00	3.58	0.00	0.000
0.88	1.92	116.42	1.25	145.70	29	71226	0.07	0.002	0.00	3.58	0.00	0.000
0.90	1.99	113.22	1.30	147.00	30	75387	0.07	0.002	0.00	3.58	0.00	0.000
0.92	2.01	114.20	1.31	149.90	31	77732	0.07	0.002	0.00	3.58	0.00	0.000
0.94	2.06	108.30	1.36	147.63	31	78628	0.07	0.002	0.00	3.58	0.00	0.000
0.96	2.05	102.95	1.36	139.53	30	74091	0.07	0.002	0.00	3.58	0.00	0.000
0.98	2.03	104.96	1.34	140.26	30	73814	0.07	0.002	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	1.99	106.98	1.30	138.65	29	70974	0.07	0.002	0.00	3.58	0.00	0.000
1.02	1.96	108.81	1.28	139.28	29	70228	0.07	0.002	0.00	3.58	0.00	0.000
1.04	2.03	105.30	1.34	140.85	30	74178	0.07	0.002	0.00	3.58	0.00	0.000
1.06	2.11	98.42	1.43	140.58	31	76035	0.07	0.002	0.00	3.58	0.00	0.000
1.08	2.16	94.73	1.51	143.43	32	77858	0.07	0.002	0.00	3.58	0.00	0.000
1.10	2.21	91.54	1.65	150.72	34	80912	0.07	0.002	0.00	3.58	0.00	0.000
1.12	2.24	90.02	1.71	153.88	35	81889	0.07	0.002	0.00	3.58	0.00	0.000
1.14	2.25	88.68	1.74	154.41	36	81770	0.07	0.002	0.00	3.58	0.00	0.000
1.16	2.26	86.49	1.77	153.17	35	80726	0.07	0.002	0.00	3.58	0.00	0.000
1.18	2.28	82.81	1.86	153.90	36	79893	0.07	0.002	0.00	3.58	0.00	0.000
1.20	2.32	78.62	1.99	156.10	37	79177	0.07	0.002	0.00	3.58	0.00	0.000
1.22	2.31	78.78	1.97	155.08	37	78908	0.07	0.002	0.00	3.58	0.00	0.000
1.24	2.32	78.11	2.01	157.20	37	79335	0.07	0.002	0.00	3.58	0.00	0.000
1.26	2.34	76.93	2.09	160.97	39	80033	0.07	0.002	0.00	3.58	0.00	0.000
1.28	2.37	74.58	2.22	165.72	40	80425	0.07	0.002	0.00	3.58	0.00	0.000
1.30	2.41	71.39	2.42	172.99	43	80942	0.08	0.003	0.00	3.58	0.00	0.000
1.32	2.45	67.69	2.67	180.88	46	81086	0.08	0.003	0.00	3.58	0.00	0.000
1.34	2.48	65.17	2.87	187.11	48	81231	0.08	0.003	0.00	3.58	0.00	0.000
1.36	2.51	63.15	3.02	190.50	49	80880	0.08	0.003	0.00	3.58	0.00	0.000
1.38	2.53	60.80	3.21	195.19	51	80566	0.08	0.003	0.00	3.58	0.00	0.000
1.40	2.56	58.62	3.40	199.16	53	80123	0.08	0.003	0.00	3.58	0.00	0.000
1.42	2.57	56.94	3.52	200.41	53	79349	0.08	0.003	0.00	3.58	0.00	0.000
1.44	2.60	54.59	3.73	203.52	55	78519	0.08	0.003	0.00	3.58	0.00	0.000
1.46	2.61	52.06	3.88	202.18	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.48	2.63	50.05	4.00	200.45	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.50	2.65	48.03	4.17	200.16	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.52	2.66	46.53	4.28	199.04	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.54	2.68	44.52	4.52	201.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.68	43.50	4.54	197.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.70	41.99	4.67	196.08	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.72	39.81	4.88	194.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.72	38.63	4.94	190.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.74	36.78	5.12	188.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.73	34.73	5.04	175.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.74	32.86	5.11	168.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.74	32.68	5.13	167.71	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	2.74	32.69	5.20	169.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.74	32.01	5.16	165.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.75	31.68	5.24	166.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.75	31.17	5.21	162.51	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.74	30.83	5.17	159.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.75	30.16	5.21	157.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.84	2.75	29.49	5.27	155.46	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.86	2.74	29.32	5.19	152.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.76	28.31	5.33	150.91	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.75	27.14	5.30	143.83	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.76	26.47	5.42	143.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.77	26.29	5.53	145.49	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.78	26.13	5.57	145.52	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.79	25.45	5.69	144.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	25.33	2.00	0.00	1.00	0.00	2.02	23.15	2.00	0.00	1.00	0.00
2.04	22.15	2.00	0.00	1.00	0.00	2.06	20.64	2.00	0.00	1.00	0.00
2.08	19.13	2.00	0.00	1.00	0.00	2.10	19.63	2.00	0.00	1.00	0.00
2.12	18.46	2.00	0.00	1.00	0.00	2.14	17.62	2.00	0.00	1.00	0.00
2.16	17.45	2.00	0.00	1.00	0.00	2.18	16.61	2.00	0.00	1.00	0.00
2.20	17.28	2.00	0.00	1.00	0.00	2.22	19.13	2.00	0.00	1.00	0.00
2.24	79.12	1.19	0.43	1.00	0.01	2.26	82.16	1.22	0.40	1.00	0.01
2.28	79.43	1.18	0.45	1.00	0.01	2.30	81.53	1.20	0.43	1.00	0.01
2.32	80.72	1.19	0.45	1.00	0.01	2.34	82.13	1.20	0.44	1.00	0.01
2.36	80.77	1.18	0.47	1.00	0.01	2.38	79.57	1.16	0.50	1.00	0.01
2.40	79.48	1.15	0.52	1.00	0.01	2.42	78.17	1.13	0.56	1.00	0.01
2.44	79.32	1.14	0.55	1.00	0.01	2.46	80.35	1.15	0.54	1.00	0.01
2.48	80.32	1.14	0.55	1.00	0.01	2.50	79.07	1.13	0.60	1.00	0.01
2.52	78.32	1.11	0.64	1.00	0.01	2.54	79.59	1.12	0.61	1.00	0.01
2.56	83.50	1.16	0.53	1.00	0.01	2.58	87.63	1.21	0.46	1.00	0.01
2.60	88.59	1.22	0.45	1.00	0.01	2.62	88.91	1.22	0.45	1.00	0.01
2.64	86.41	1.18	0.51	1.00	0.01	2.66	83.88	1.15	0.57	1.00	0.01
2.68	82.45	1.13	0.62	1.00	0.01	2.70	80.89	1.11	0.69	1.00	0.01
2.72	21.05	2.00	0.00	1.00	0.00	2.74	18.69	2.00	0.00	1.00	0.00
2.76	16.77	2.00	0.00	1.00	0.00	2.78	15.96	2.00	0.00	1.00	0.00
2.80	17.05	2.00	0.00	1.00	0.00	2.82	19.20	2.00	0.00	1.00	0.00
2.84	77.94	1.05	0.99	1.00	0.02	2.86	78.58	1.06	0.97	1.00	0.02
2.88	79.02	1.06	0.96	1.00	0.02	2.90	80.90	1.08	0.86	1.00	0.02
2.92	84.62	1.11	0.70	1.00	0.01	2.94	87.10	1.14	0.63	1.00	0.01
2.96	86.37	1.13	0.67	1.00	0.01	2.98	83.64	1.09	0.78	1.00	0.02
3.00	80.44	1.06	0.99	1.00	0.02	3.02	20.82	2.00	0.00	1.00	0.00
3.04	18.67	2.00	0.00	1.00	0.00	3.06	16.51	2.00	0.00	1.00	0.00
3.08	18.78	2.00	0.00	1.00	0.00	3.10	75.95	1.00	1.91	1.00	0.04
3.12	75.93	0.99	2.00	1.00	0.04	3.14	76.13	0.99	2.01	1.00	0.04
3.16	76.77	1.00	1.88	1.00	0.04	3.18	19.21	2.00	0.00	1.00	0.00
3.20	18.56	2.00	0.00	1.00	0.00	3.22	17.77	2.00	0.00	1.00	0.00
3.24	17.13	2.00	0.00	1.00	0.00	3.26	16.34	2.00	0.00	1.00	0.00
3.28	15.71	2.00	0.00	1.00	0.00	3.30	15.38	2.00	0.00	1.00	0.00
3.32	15.05	2.00	0.00	1.00	0.00	3.34	15.03	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	14.55	2.00	0.00	1.00	0.00	3.38	14.68	2.00	0.00	1.00	0.00
3.40	15.26	2.00	0.00	1.00	0.00	3.42	15.70	2.00	0.00	1.00	0.00
3.44	16.57	2.00	0.00	1.00	0.00	3.46	17.45	2.00	0.00	1.00	0.00
3.48	18.01	2.00	0.00	1.00	0.00	3.50	18.28	2.00	0.00	1.00	0.00
3.52	18.83	2.00	0.00	1.00	0.00	3.54	19.08	2.00	0.00	1.00	0.00
3.56	19.18	2.00	0.00	1.00	0.00	3.58	19.43	2.00	0.00	1.00	0.00
3.60	19.68	2.00	0.00	1.00	0.00	3.62	20.22	2.00	0.00	1.00	0.00
3.64	20.33	2.00	0.00	1.00	0.00	3.66	20.15	2.00	0.00	1.00	0.00
3.68	20.12	2.00	0.00	1.00	0.00	3.70	19.79	2.00	0.00	1.00	0.00
3.72	19.76	2.00	0.00	1.00	0.00	3.74	19.58	2.00	0.00	1.00	0.00
3.76	19.26	2.00	0.00	1.00	0.00	3.78	19.23	2.00	0.00	1.00	0.00
3.80	18.91	2.00	0.00	1.00	0.00	3.82	19.16	2.00	0.00	1.00	0.00
3.84	19.28	2.00	0.00	1.00	0.00	3.86	19.81	2.00	0.00	1.00	0.00
3.88	20.35	2.00	0.00	1.00	0.00	3.90	21.30	2.00	0.00	1.00	0.00
3.92	21.97	2.00	0.00	1.00	0.00	3.94	22.77	2.00	0.00	1.00	0.00
3.96	23.84	2.00	0.00	1.00	0.00	3.98	24.07	2.00	0.00	1.00	0.00
4.00	24.15	2.00	0.00	1.00	0.00	4.02	24.80	2.00	0.00	1.00	0.00
4.04	24.61	2.00	0.00	1.00	0.00	4.06	24.69	2.00	0.00	1.00	0.00
4.08	24.64	2.00	0.00	1.00	0.00	4.10	24.59	2.00	0.00	1.00	0.00
4.12	24.55	2.00	0.00	1.00	0.00	4.14	24.37	2.00	0.00	1.00	0.00
4.16	24.05	2.00	0.00	1.00	0.00	4.18	24.00	2.00	0.00	1.00	0.00
4.20	23.82	2.00	0.00	1.00	0.00	4.22	23.51	2.00	0.00	1.00	0.00
4.24	23.33	2.00	0.00	1.00	0.00	4.26	23.42	2.00	0.00	1.00	0.00
4.28	23.51	2.00	0.00	1.00	0.00	4.30	23.74	2.00	0.00	1.00	0.00
4.32	23.97	2.00	0.00	1.00	0.00	4.34	23.94	2.00	0.00	1.00	0.00
4.36	23.23	2.00	0.00	1.00	0.00	4.38	22.66	2.00	0.00	1.00	0.00
4.40	21.82	2.00	0.00	1.00	0.00	4.42	21.12	2.00	0.00	1.00	0.00
4.44	19.88	2.00	0.00	1.00	0.00	4.46	18.77	2.00	0.00	1.00	0.00
4.48	17.81	2.00	0.00	1.00	0.00	4.50	17.24	2.00	0.00	1.00	0.00
4.52	16.81	2.00	0.00	1.00	0.00	4.54	15.98	2.00	0.00	1.00	0.00
4.56	15.55	2.00	0.00	1.00	0.00	4.58	14.85	2.00	0.00	1.00	0.00
4.60	14.29	2.00	0.00	1.00	0.00	4.62	14.41	2.00	0.00	1.00	0.00
4.64	14.93	2.00	0.00	1.00	0.00	4.66	15.19	2.00	0.00	1.00	0.00
4.68	15.45	2.00	0.00	1.00	0.00	4.70	15.70	2.00	0.00	1.00	0.00
4.72	15.95	2.00	0.00	1.00	0.00	4.74	17.14	2.00	0.00	1.00	0.00
4.76	17.51	2.00	0.00	1.00	0.00	4.78	17.88	2.00	0.00	1.00	0.00
4.80	19.31	2.00	0.00	1.00	0.00	4.82	20.33	2.00	0.00	1.00	0.00
4.84	20.82	2.00	0.00	1.00	0.00	4.86	20.12	2.00	0.00	1.00	0.00
4.88	19.69	2.00	0.00	1.00	0.00	4.90	19.52	2.00	0.00	1.00	0.00
4.92	20.01	2.00	0.00	1.00	0.00	4.94	20.76	2.00	0.00	1.00	0.00
4.96	22.16	2.00	0.00	1.00	0.00	4.98	22.26	2.00	0.00	1.00	0.00
5.00	22.22	2.00	0.00	1.00	0.00	5.02	21.67	2.00	0.00	1.00	0.00
5.04	22.15	2.00	0.00	1.00	0.00	5.06	21.73	2.00	0.00	1.00	0.00
5.08	21.82	2.00	0.00	1.00	0.00	5.10	21.79	2.00	0.00	1.00	0.00
5.12	22.27	2.00	0.00	1.00	0.00	5.14	22.11	2.00	0.00	1.00	0.00
5.16	20.80	2.00	0.00	1.00	0.00	5.18	20.13	2.00	0.00	1.00	0.00
5.20	19.84	2.00	0.00	1.00	0.00	5.22	19.04	2.00	0.00	1.00	0.00
5.24	18.25	2.00	0.00	1.00	0.00	5.26	17.71	2.00	0.00	1.00	0.00
5.28	18.33	2.00	0.00	1.00	0.00	5.30	17.67	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	17.65	2.00	0.00	1.00	0.00	5.34	18.27	2.00	0.00	1.00	0.00
5.36	18.25	2.00	0.00	1.00	0.00	5.38	18.11	2.00	0.00	1.00	0.00
5.40	17.96	2.00	0.00	1.00	0.00	5.42	16.54	2.00	0.00	1.00	0.00
5.44	16.26	2.00	0.00	1.00	0.00	5.46	16.75	2.00	0.00	1.00	0.00
5.48	16.73	2.00	0.00	1.00	0.00	5.50	15.95	2.00	0.00	1.00	0.00
5.52	15.30	2.00	0.00	1.00	0.00	5.54	13.74	2.00	0.00	1.00	0.00
5.56	12.96	2.00	0.00	1.00	0.00	5.58	12.94	2.00	0.00	1.00	0.00
5.60	12.93	2.00	0.00	1.00	0.00	5.62	12.66	2.00	0.00	1.00	0.00
5.64	12.65	2.00	0.00	1.00	0.00	5.66	12.51	2.00	0.00	1.00	0.00
5.68	12.76	2.00	0.00	1.00	0.00	5.70	13.26	2.00	0.00	1.00	0.00
5.72	14.39	2.00	0.00	1.00	0.00	5.74	15.63	2.00	0.00	1.00	0.00
5.76	71.55	0.81	4.46	1.00	0.09	5.78	15.59	2.00	0.00	1.00	0.00
5.80	14.93	2.00	0.00	1.00	0.00	5.82	13.52	2.00	0.00	1.00	0.00
5.84	13.13	2.00	0.00	1.00	0.00	5.86	11.98	2.00	0.00	1.00	0.00
5.88	11.09	2.00	0.00	1.00	0.00	5.90	10.20	2.00	0.00	1.00	0.00
5.92	9.18	2.00	0.00	1.00	0.00	5.94	8.67	2.00	0.00	1.00	0.00
5.96	8.28	2.00	0.00	1.00	0.00	5.98	8.90	2.00	0.00	1.00	0.00
6.00	9.40	2.00	0.00	1.00	0.00	6.02	11.27	2.00	0.00	1.00	0.00
6.04	11.14	2.00	0.00	1.00	0.00	6.06	10.61	2.00	0.00	1.00	0.00
6.08	10.60	2.00	0.00	1.00	0.00	6.10	11.09	2.00	0.00	1.00	0.00
6.12	11.33	2.00	0.00	1.00	0.00	6.14	11.19	2.00	0.00	1.00	0.00
6.16	10.93	2.00	0.00	1.00	0.00	6.18	10.92	2.00	0.00	1.00	0.00
6.20	10.91	2.00	0.00	1.00	0.00	6.22	11.28	2.00	0.00	1.00	0.00
6.24	11.88	2.00	0.00	1.00	0.00	6.26	11.87	2.00	0.00	1.00	0.00
6.28	11.85	2.00	0.00	1.00	0.00	6.30	11.95	2.00	0.00	1.00	0.00
6.32	11.57	2.00	0.00	1.00	0.00	6.34	10.57	2.00	0.00	1.00	0.00
6.36	9.95	2.00	0.00	1.00	0.00	6.38	10.30	2.00	0.00	1.00	0.00
6.40	11.65	2.00	0.00	1.00	0.00	6.42	13.59	2.00	0.00	1.00	0.00
6.44	12.85	2.00	0.00	1.00	0.00	6.46	11.73	2.00	0.00	1.00	0.00
6.48	11.48	2.00	0.00	1.00	0.00	6.50	11.59	2.00	0.00	1.00	0.00
6.52	14.62	2.00	0.00	1.00	0.00	6.54	69.99	0.78	4.55	1.00	0.09
6.56	71.00	0.79	4.49	1.00	0.09	6.58	71.88	0.79	4.44	1.00	0.09
6.60	71.37	0.79	4.47	1.00	0.09	6.62	71.73	0.79	4.45	1.00	0.09
6.64	72.97	0.80	4.38	1.00	0.09	6.66	74.24	0.81	4.31	1.00	0.09
6.68	17.82	2.00	0.00	1.00	0.00	6.70	17.43	2.00	0.00	1.00	0.00
6.72	17.40	2.00	0.00	1.00	0.00	6.74	16.54	2.00	0.00	1.00	0.00
6.76	15.09	2.00	0.00	1.00	0.00	6.78	13.77	2.00	0.00	1.00	0.00
6.80	13.51	2.00	0.00	1.00	0.00	6.82	13.26	2.00	0.00	1.00	0.00
6.84	13.25	2.00	0.00	1.00	0.00	6.86	13.23	2.00	0.00	1.00	0.00
6.88	13.34	2.00	0.00	1.00	0.00	6.90	12.96	2.00	0.00	1.00	0.00
6.92	12.83	2.00	0.00	1.00	0.00	6.94	12.11	2.00	0.00	1.00	0.00
6.96	11.15	2.00	0.00	1.00	0.00	6.98	10.31	2.00	0.00	1.00	0.00
7.00	10.18	2.00	0.00	1.00	0.00	7.02	9.69	2.00	0.00	1.00	0.00
7.04	9.21	2.00	0.00	1.00	0.00	7.06	9.32	2.00	0.00	1.00	0.00
7.08	10.72	2.00	0.00	1.00	0.00	7.10	12.72	2.00	0.00	1.00	0.00
7.12	12.48	2.00	0.00	1.00	0.00	7.14	12.35	2.00	0.00	1.00	0.00
7.16	11.39	2.00	0.00	1.00	0.00	7.18	10.67	2.00	0.00	1.00	0.00
7.20	10.31	2.00	0.00	1.00	0.00	7.22	11.12	2.00	0.00	1.00	0.00
7.24	12.51	2.00	0.00	1.00	0.00	7.26	12.03	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	10.85	2.00	0.00	1.00	0.00	7.30	9.44	2.00	0.00	1.00	0.00
7.32	9.55	2.00	0.00	1.00	0.00	7.34	10.00	2.00	0.00	1.00	0.00
7.36	10.34	2.00	0.00	1.00	0.00	7.38	9.99	2.00	0.00	1.00	0.00
7.40	9.74	2.00	0.00	1.00	0.00	7.42	10.32	2.00	0.00	1.00	0.00
7.44	13.09	2.00	0.00	1.00	0.00	7.46	71.74	0.78	4.45	1.00	0.09
7.48	75.60	0.81	4.23	1.00	0.08	7.50	78.83	0.84	4.07	1.00	0.08
7.52	78.20	0.83	4.10	1.00	0.08	7.54	75.70	0.81	4.23	1.00	0.08
7.56	17.81	2.00	0.00	1.00	0.00	7.58	17.67	2.00	0.00	1.00	0.00
7.60	20.26	2.00	0.00	1.00	0.00	7.62	80.27	0.85	4.00	1.00	0.08
7.64	82.39	0.87	3.90	1.00	0.08	7.66	21.54	2.00	0.00	1.00	0.00
7.68	18.01	2.00	0.00	1.00	0.00	7.70	14.14	2.00	0.00	1.00	0.00
7.72	12.19	2.00	0.00	1.00	0.00	7.74	11.96	2.00	0.00	1.00	0.00
7.76	11.72	2.00	0.00	1.00	0.00	7.78	11.59	2.00	0.00	1.00	0.00
7.80	11.92	2.00	0.00	1.00	0.00	7.82	11.91	2.00	0.00	1.00	0.00
7.84	11.67	2.00	0.00	1.00	0.00	7.86	11.44	2.00	0.00	1.00	0.00
7.88	10.74	2.00	0.00	1.00	0.00	7.90	10.51	2.00	0.00	1.00	0.00
7.92	10.95	2.00	0.00	1.00	0.00	7.94	11.62	2.00	0.00	1.00	0.00
7.96	12.17	2.00	0.00	1.00	0.00	7.98	12.04	2.00	0.00	1.00	0.00
8.00	11.81	2.00	0.00	1.00	0.00	8.02	11.79	2.00	0.00	1.00	0.00
8.04	12.00	2.00	0.00	1.00	0.00	8.06	11.88	2.00	0.00	1.00	0.00
8.08	11.53	2.00	0.00	1.00	0.00	8.10	11.74	2.00	0.00	1.00	0.00
8.12	11.84	2.00	0.00	1.00	0.00	8.14	11.94	2.00	0.00	1.00	0.00
8.16	12.15	2.00	0.00	1.00	0.00	8.18	12.48	2.00	0.00	1.00	0.00
8.20	13.14	2.00	0.00	1.00	0.00	8.22	13.35	2.00	0.00	1.00	0.00
8.24	13.22	2.00	0.00	1.00	0.00	8.26	12.99	2.00	0.00	1.00	0.00
8.28	12.64	2.00	0.00	1.00	0.00	8.30	12.40	2.00	0.00	1.00	0.00
8.32	12.06	2.00	0.00	1.00	0.00	8.34	11.61	2.00	0.00	1.00	0.00
8.36	10.93	2.00	0.00	1.00	0.00	8.38	9.92	2.00	0.00	1.00	0.00
8.40	9.69	2.00	0.00	1.00	0.00	8.42	9.68	2.00	0.00	1.00	0.00
8.44	9.78	2.00	0.00	1.00	0.00	8.46	9.67	2.00	0.00	1.00	0.00
8.48	9.44	2.00	0.00	1.00	0.00	8.50	9.10	2.00	0.00	1.00	0.00
8.52	8.54	2.00	0.00	1.00	0.00	8.54	8.86	2.00	0.00	1.00	0.00
8.56	8.85	2.00	0.00	1.00	0.00	8.58	9.61	2.00	0.00	1.00	0.00
8.60	9.82	2.00	0.00	1.00	0.00	8.62	9.92	2.00	0.00	1.00	0.00
8.64	10.13	2.00	0.00	1.00	0.00	8.66	10.45	2.00	0.00	1.00	0.00
8.68	10.33	2.00	0.00	1.00	0.00	8.70	9.77	2.00	0.00	1.00	0.00
8.72	9.55	2.00	0.00	1.00	0.00	8.74	10.19	2.00	0.00	1.00	0.00
8.76	10.40	2.00	0.00	1.00	0.00	8.78	10.17	2.00	0.00	1.00	0.00
8.80	9.83	2.00	0.00	1.00	0.00	8.82	9.61	2.00	0.00	1.00	0.00
8.84	9.71	2.00	0.00	1.00	0.00	8.86	9.81	2.00	0.00	1.00	0.00
8.88	10.01	2.00	0.00	1.00	0.00	8.90	9.68	2.00	0.00	1.00	0.00
8.92	10.76	2.00	0.00	1.00	0.00	8.94	10.31	2.00	0.00	1.00	0.00
8.96	10.30	2.00	0.00	1.00	0.00	8.98	9.97	2.00	0.00	1.00	0.00
9.00	9.75	2.00	0.00	1.00	0.00	9.02	9.74	2.00	0.00	1.00	0.00
9.04	9.51	2.00	0.00	1.00	0.00	9.06	9.61	2.00	0.00	1.00	0.00
9.08	9.50	2.00	0.00	1.00	0.00	9.10	9.49	2.00	0.00	1.00	0.00
9.12	9.48	2.00	0.00	1.00	0.00	9.14	9.15	2.00	0.00	1.00	0.00
9.16	9.36	2.00	0.00	1.00	0.00	9.18	9.14	2.00	0.00	1.00	0.00
9.20	9.34	2.00	0.00	1.00	0.00	9.22	8.91	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	9.32	2.00	0.00	1.00	0.00	9.26	9.32	2.00	0.00	1.00	0.00
9.28	9.31	2.00	0.00	1.00	0.00	9.30	9.41	2.00	0.00	1.00	0.00
9.32	9.29	2.00	0.00	1.00	0.00	9.34	9.39	2.00	0.00	1.00	0.00
9.36	9.60	2.00	0.00	1.00	0.00	9.38	9.80	2.00	0.00	1.00	0.00
9.40	9.58	2.00	0.00	1.00	0.00	9.42	9.99	2.00	0.00	1.00	0.00
9.44	10.09	2.00	0.00	1.00	0.00	9.46	10.29	2.00	0.00	1.00	0.00
9.48	10.60	2.00	0.00	1.00	0.00	9.50	10.59	2.00	0.00	1.00	0.00
9.52	10.79	2.00	0.00	1.00	0.00	9.54	11.00	2.00	0.00	1.00	0.00
9.56	10.78	2.00	0.00	1.00	0.00	9.58	10.98	2.00	0.00	1.00	0.00
9.60	10.97	2.00	0.00	1.00	0.00	9.62	11.17	2.00	0.00	1.00	0.00
9.64	11.37	2.00	0.00	1.00	0.00	9.66	11.67	2.00	0.00	1.00	0.00
9.68	11.77	2.00	0.00	1.00	0.00	9.70	11.86	2.00	0.00	1.00	0.00
9.72	13.63	2.00	0.00	1.00	0.00	9.74	14.14	2.00	0.00	1.00	0.00
9.76	14.02	2.00	0.00	1.00	0.00	9.78	14.00	2.00	0.00	1.00	0.00
9.80	14.09	2.00	0.00	1.00	0.00	9.82	13.77	2.00	0.00	1.00	0.00
9.84	13.96	2.00	0.00	1.00	0.00	9.86	13.53	2.00	0.00	1.00	0.00
9.88	12.80	2.00	0.00	1.00	0.00	9.90	12.78	2.00	0.00	1.00	0.00
9.92	12.77	2.00	0.00	1.00	0.00	9.94	12.96	2.00	0.00	1.00	0.00
9.96	13.47	2.00	0.00	1.00	0.00	9.98	13.56	2.00	0.00	1.00	0.00
10.00	13.44	2.00	0.00	1.00	0.00	10.02	13.95	2.00	0.00	1.00	0.00
10.04	14.14	2.00	0.00	1.00	0.00	10.06	14.33	2.00	0.00	1.00	0.00
10.08	14.62	2.00	0.00	1.00	0.00	10.10	14.30	2.00	0.00	1.00	0.00
10.12	14.08	2.00	0.00	1.00	0.00	10.14	14.27	2.00	0.00	1.00	0.00
10.16	14.87	2.00	0.00	1.00	0.00	10.18	15.27	2.00	0.00	1.00	0.00
10.20	15.76	2.00	0.00	1.00	0.00	10.22	15.65	2.00	0.00	1.00	0.00
10.24	15.12	2.00	0.00	1.00	0.00	10.26	14.50	2.00	0.00	1.00	0.00
10.28	13.57	2.00	0.00	1.00	0.00	10.30	13.15	2.00	0.00	1.00	0.00
10.32	13.03	2.00	0.00	1.00	0.00	10.34	13.12	2.00	0.00	1.00	0.00
10.36	12.91	2.00	0.00	1.00	0.00	10.38	12.59	2.00	0.00	1.00	0.00
10.40	12.58	2.00	0.00	1.00	0.00	10.42	11.86	2.00	0.00	1.00	0.00
10.44	11.44	2.00	0.00	1.00	0.00	10.46	11.13	2.00	0.00	1.00	0.00
10.48	11.12	2.00	0.00	1.00	0.00	10.50	11.71	2.00	0.00	1.00	0.00
10.52	12.91	2.00	0.00	1.00	0.00	10.54	13.00	2.00	0.00	1.00	0.00
10.56	13.39	2.00	0.00	1.00	0.00	10.58	13.38	2.00	0.00	1.00	0.00
10.60	13.37	2.00	0.00	1.00	0.00	10.62	13.45	2.00	0.00	1.00	0.00
10.64	13.44	2.00	0.00	1.00	0.00	10.66	13.43	2.00	0.00	1.00	0.00
10.68	12.92	2.00	0.00	1.00	0.00	10.70	13.31	2.00	0.00	1.00	0.00
10.72	12.99	2.00	0.00	1.00	0.00	10.74	12.78	2.00	0.00	1.00	0.00
10.76	12.57	2.00	0.00	1.00	0.00	10.78	12.36	2.00	0.00	1.00	0.00
10.80	12.35	2.00	0.00	1.00	0.00	10.82	12.34	2.00	0.00	1.00	0.00
10.84	12.33	2.00	0.00	1.00	0.00	10.86	12.22	2.00	0.00	1.00	0.00
10.88	12.01	2.00	0.00	1.00	0.00	10.90	12.00	2.00	0.00	1.00	0.00
10.92	12.29	2.00	0.00	1.00	0.00	10.94	12.28	2.00	0.00	1.00	0.00
10.96	12.27	2.00	0.00	1.00	0.00	10.98	12.16	2.00	0.00	1.00	0.00
11.00	12.24	2.00	0.00	1.00	0.00	11.02	12.23	2.00	0.00	1.00	0.00
11.04	12.22	2.00	0.00	1.00	0.00	11.06	12.11	2.00	0.00	1.00	0.00
11.08	11.91	2.00	0.00	1.00	0.00	11.10	11.70	2.00	0.00	1.00	0.00
11.12	11.49	2.00	0.00	1.00	0.00	11.14	11.29	2.00	0.00	1.00	0.00
11.16	11.28	2.00	0.00	1.00	0.00	11.18	11.27	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	11.35	2.00	0.00	1.00	0.00	11.22	11.15	2.00	0.00	1.00	0.00
11.24	11.33	2.00	0.00	1.00	0.00	11.26	11.91	2.00	0.00	1.00	0.00
11.28	11.90	2.00	0.00	1.00	0.00	11.30	11.99	2.00	0.00	1.00	0.00
11.32	11.98	2.00	0.00	1.00	0.00	11.34	12.26	2.00	0.00	1.00	0.00
11.36	11.96	2.00	0.00	1.00	0.00	11.38	11.75	2.00	0.00	1.00	0.00
11.40	11.74	2.00	0.00	1.00	0.00	11.42	11.73	2.00	0.00	1.00	0.00
11.44	11.82	2.00	0.00	1.00	0.00	11.46	11.81	2.00	0.00	1.00	0.00
11.48	11.99	2.00	0.00	1.00	0.00	11.50	11.98	2.00	0.00	1.00	0.00
11.52	11.97	2.00	0.00	1.00	0.00	11.54	11.96	2.00	0.00	1.00	0.00
11.56	12.34	2.00	0.00	1.00	0.00	11.58	12.52	2.00	0.00	1.00	0.00
11.60	12.99	2.00	0.00	1.00	0.00	11.62	12.79	2.00	0.00	1.00	0.00
11.64	12.78	2.00	0.00	1.00	0.00	11.66	12.38	2.00	0.00	1.00	0.00
11.68	12.27	2.00	0.00	1.00	0.00	11.70	11.88	2.00	0.00	1.00	0.00
11.72	11.39	2.00	0.00	1.00	0.00	11.74	11.57	2.00	0.00	1.00	0.00
11.76	10.99	2.00	0.00	1.00	0.00	11.78	10.88	2.00	0.00	1.00	0.00
11.80	10.97	2.00	0.00	1.00	0.00	11.82	10.67	2.00	0.00	1.00	0.00
11.84	10.57	2.00	0.00	1.00	0.00	11.86	10.65	2.00	0.00	1.00	0.00
11.88	10.93	2.00	0.00	1.00	0.00	11.90	11.02	2.00	0.00	1.00	0.00
11.92	11.48	2.00	0.00	1.00	0.00	11.94	11.19	2.00	0.00	1.00	0.00
11.96	10.99	2.00	0.00	1.00	0.00	11.98	11.45	2.00	0.00	1.00	0.00
12.00	11.63	2.00	0.00	1.00	0.00	12.02	11.15	2.00	0.00	1.00	0.00
12.04	11.05	2.00	0.00	1.00	0.00	12.06	11.13	2.00	0.00	1.00	0.00
12.08	11.03	2.00	0.00	1.00	0.00	12.10	10.74	2.00	0.00	1.00	0.00
12.12	10.73	2.00	0.00	1.00	0.00	12.14	11.00	2.00	0.00	1.00	0.00
12.16	10.90	2.00	0.00	1.00	0.00	12.18	10.79	2.00	0.00	1.00	0.00
12.20	11.07	2.00	0.00	1.00	0.00	12.22	10.97	2.00	0.00	1.00	0.00
12.24	11.05	2.00	0.00	1.00	0.00	12.26	10.95	2.00	0.00	1.00	0.00
12.28	10.84	2.00	0.00	1.00	0.00	12.30	11.30	2.00	0.00	1.00	0.00
12.32	11.39	2.00	0.00	1.00	0.00	12.34	11.47	2.00	0.00	1.00	0.00
12.36	11.75	2.00	0.00	1.00	0.00	12.38	11.83	2.00	0.00	1.00	0.00
12.40	11.82	2.00	0.00	1.00	0.00	12.42	12.00	2.00	0.00	1.00	0.00
12.44	11.99	2.00	0.00	1.00	0.00	12.46	12.35	2.00	0.00	1.00	0.00
12.48	12.34	2.00	0.00	1.00	0.00	12.50	12.33	2.00	0.00	1.00	0.00
12.52	12.32	2.00	0.00	1.00	0.00	12.54	12.03	2.00	0.00	1.00	0.00
12.56	11.83	2.00	0.00	1.00	0.00	12.58	12.01	2.00	0.00	1.00	0.00
12.60	12.28	2.00	0.00	1.00	0.00	12.62	12.36	2.00	0.00	1.00	0.00
12.64	12.35	2.00	0.00	1.00	0.00	12.66	12.25	2.00	0.00	1.00	0.00
12.68	11.96	2.00	0.00	1.00	0.00	12.70	11.95	2.00	0.00	1.00	0.00
12.72	11.94	2.00	0.00	1.00	0.00	12.74	11.75	2.00	0.00	1.00	0.00
12.76	12.11	2.00	0.00	1.00	0.00	12.78	12.19	2.00	0.00	1.00	0.00
12.80	12.27	2.00	0.00	1.00	0.00	12.82	12.44	2.00	0.00	1.00	0.00
12.84	12.43	2.00	0.00	1.00	0.00	12.86	13.34	2.00	0.00	1.00	0.00
12.88	13.70	2.00	0.00	1.00	0.00	12.90	13.87	2.00	0.00	1.00	0.00
12.92	14.32	2.00	0.00	1.00	0.00	12.94	14.77	2.00	0.00	1.00	0.00
12.96	14.94	2.00	0.00	1.00	0.00	12.98	15.02	2.00	0.00	1.00	0.00
13.00	15.19	2.00	0.00	1.00	0.00	13.02	15.36	2.00	0.00	1.00	0.00
13.04	15.26	2.00	0.00	1.00	0.00	13.06	14.97	2.00	0.00	1.00	0.00
13.08	14.77	2.00	0.00	1.00	0.00	13.10	14.85	2.00	0.00	1.00	0.00
13.12	14.66	2.00	0.00	1.00	0.00	13.14	14.10	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	14.00	2.00	0.00	1.00	0.00	13.18	13.99	2.00	0.00	1.00	0.00
13.20	13.70	2.00	0.00	1.00	0.00	13.22	13.69	2.00	0.00	1.00	0.00
13.24	13.95	2.00	0.00	1.00	0.00	13.26	14.12	2.00	0.00	1.00	0.00
13.28	14.02	2.00	0.00	1.00	0.00	13.30	14.19	2.00	0.00	1.00	0.00
13.32	14.09	2.00	0.00	1.00	0.00	13.34	14.08	2.00	0.00	1.00	0.00
13.36	14.25	2.00	0.00	1.00	0.00	13.38	14.14	2.00	0.00	1.00	0.00
13.40	14.04	2.00	0.00	1.00	0.00	13.42	13.94	2.00	0.00	1.00	0.00
13.44	13.39	2.00	0.00	1.00	0.00	13.46	13.83	2.00	0.00	1.00	0.00
13.48	13.55	2.00	0.00	1.00	0.00	13.50	13.63	2.00	0.00	1.00	0.00
13.52	13.53	2.00	0.00	1.00	0.00	13.54	13.79	2.00	0.00	1.00	0.00
13.56	13.86	2.00	0.00	1.00	0.00	13.58	13.94	2.00	0.00	1.00	0.00
13.60	14.02	2.00	0.00	1.00	0.00	13.62	14.37	2.00	0.00	1.00	0.00
13.64	14.63	2.00	0.00	1.00	0.00	13.66	14.52	2.00	0.00	1.00	0.00
13.68	14.33	2.00	0.00	1.00	0.00	13.70	13.96	2.00	0.00	1.00	0.00
13.72	13.69	2.00	0.00	1.00	0.00	13.74	13.85	2.00	0.00	1.00	0.00
13.76	14.02	2.00	0.00	1.00	0.00	13.78	13.92	2.00	0.00	1.00	0.00
13.80	14.26	2.00	0.00	1.00	0.00	13.82	13.72	2.00	0.00	1.00	0.00
13.84	13.89	2.00	0.00	1.00	0.00	13.86	14.41	2.00	0.00	1.00	0.00
13.88	14.84	2.00	0.00	1.00	0.00	13.90	15.36	2.00	0.00	1.00	0.00
13.92	16.41	2.00	0.00	1.00	0.00	13.94	17.65	2.00	0.00	1.00	0.00
13.96	18.79	2.00	0.00	1.00	0.00	13.98	19.39	2.00	0.00	1.00	0.00
14.00	19.73	2.00	0.00	1.00	0.00	14.02	20.51	2.00	0.00	1.00	0.00
14.04	21.30	2.00	0.00	1.00	0.00	14.06	21.46	2.00	0.00	1.00	0.00
14.08	21.54	2.00	0.00	1.00	0.00	14.10	21.34	2.00	0.00	1.00	0.00
14.12	20.80	2.00	0.00	1.00	0.00	14.14	20.60	2.00	0.00	1.00	0.00
14.16	20.15	2.00	0.00	1.00	0.00	14.18	20.13	2.00	0.00	1.00	0.00
14.20	19.50	2.00	0.00	1.00	0.00	14.22	18.77	2.00	0.00	1.00	0.00
14.24	18.76	2.00	0.00	1.00	0.00	14.26	18.66	2.00	0.00	1.00	0.00
14.28	18.64	2.00	0.00	1.00	0.00	14.30	18.72	2.00	0.00	1.00	0.00
14.32	18.96	2.00	0.00	1.00	0.00	14.34	18.95	2.00	0.00	1.00	0.00
14.36	18.76	2.00	0.00	1.00	0.00	14.38	17.87	2.00	0.00	1.00	0.00
14.40	16.80	2.00	0.00	1.00	0.00	14.42	17.05	2.00	0.00	1.00	0.00
14.44	16.78	2.00	0.00	1.00	0.00	14.46	17.46	2.00	0.00	1.00	0.00
14.48	17.71	2.00	0.00	1.00	0.00	14.50	18.14	2.00	0.00	1.00	0.00
14.52	18.12	2.00	0.00	1.00	0.00	14.54	18.11	2.00	0.00	1.00	0.00
14.56	17.92	2.00	0.00	1.00	0.00	14.58	16.78	2.00	0.00	1.00	0.00
14.60	17.02	2.00	0.00	1.00	0.00	14.62	16.66	2.00	0.00	1.00	0.00
14.64	16.91	2.00	0.00	1.00	0.00	14.66	16.81	2.00	0.00	1.00	0.00
14.68	16.80	2.00	0.00	1.00	0.00	14.70	16.79	2.00	0.00	1.00	0.00
14.72	16.60	2.00	0.00	1.00	0.00	14.74	16.76	2.00	0.00	1.00	0.00
14.76	16.58	2.00	0.00	1.00	0.00	14.78	17.00	2.00	0.00	1.00	0.00
14.80	17.76	2.00	0.00	1.00	0.00	14.82	17.49	2.00	0.00	1.00	0.00
14.84	17.13	2.00	0.00	1.00	0.00	14.86	16.43	2.00	0.00	1.00	0.00
14.88	16.16	2.00	0.00	1.00	0.00	14.90	15.72	2.00	0.00	1.00	0.00
14.92	16.05	2.00	0.00	1.00	0.00	14.94	16.04	2.00	0.00	1.00	0.00
14.96	16.02	2.00	0.00	1.00	0.00	14.98	15.76	2.00	0.00	1.00	0.00
15.00	15.83	2.00	0.00	1.00	0.00	15.02	15.13	2.00	0.00	1.00	0.00
15.04	14.95	2.00	0.00	1.00	0.00	15.06	15.03	2.00	0.00	1.00	0.00
15.08	15.44	2.00	0.00	1.00	0.00	15.10	15.18	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	14.40	2.00	0.00	1.00	0.00	15.14	13.63	2.00	0.00	1.00	0.00
15.16	12.68	2.00	0.00	1.00	0.00	15.18	11.41	2.00	0.00	1.00	0.00
15.20	10.98	2.00	0.00	1.00	0.00	15.22	10.47	2.00	0.00	1.00	0.00
15.24	10.38	2.00	0.00	1.00	0.00	15.26	9.95	2.00	0.00	1.00	0.00
15.28	9.69	2.00	0.00	1.00	0.00	15.30	9.60	2.00	0.00	1.00	0.00
15.32	9.43	2.00	0.00	1.00	0.00	15.34	9.00	2.00	0.00	1.00	0.00
15.36	8.91	2.00	0.00	1.00	0.00	15.38	8.82	2.00	0.00	1.00	0.00
15.40	10.07	2.00	0.00	1.00	0.00	15.42	10.57	2.00	0.00	1.00	0.00
15.44	9.81	2.00	0.00	1.00	0.00	15.46	9.47	2.00	0.00	1.00	0.00
15.48	8.63	2.00	0.00	1.00	0.00	15.50	8.46	2.00	0.00	1.00	0.00
15.52	8.62	2.00	0.00	1.00	0.00	15.54	9.20	2.00	0.00	1.00	0.00
15.56	9.03	2.00	0.00	1.00	0.00	15.58	8.11	2.00	0.00	1.00	0.00
15.60	8.02	2.00	0.00	1.00	0.00	15.62	8.02	2.00	0.00	1.00	0.00
15.64	7.68	2.00	0.00	1.00	0.00	15.66	7.35	2.00	0.00	1.00	0.00
15.68	7.26	2.00	0.00	1.00	0.00	15.70	7.09	2.00	0.00	1.00	0.00
15.72	7.09	2.00	0.00	1.00	0.00	15.74	6.76	2.00	0.00	1.00	0.00
15.76	6.59	2.00	0.00	1.00	0.00	15.78	6.26	2.00	0.00	1.00	0.00
15.80	6.17	2.00	0.00	1.00	0.00	15.82	6.09	2.00	0.00	1.00	0.00
15.84	6.17	2.00	0.00	1.00	0.00	15.86	6.41	2.00	0.00	1.00	0.00
15.88	6.81	2.00	0.00	1.00	0.00	15.90	7.06	2.00	0.00	1.00	0.00
15.92	7.46	2.00	0.00	1.00	0.00	15.94	7.30	2.00	0.00	1.00	0.00
15.96	8.03	2.00	0.00	1.00	0.00	15.98	8.52	2.00	0.00	1.00	0.00
16.00	9.66	2.00	0.00	1.00	0.00	16.02	10.14	2.00	0.00	1.00	0.00
16.04	10.22	2.00	0.00	1.00	0.00	16.06	10.22	2.00	0.00	1.00	0.00
16.08	9.64	2.00	0.00	1.00	0.00	16.10	9.63	2.00	0.00	1.00	0.00
16.12	9.79	2.00	0.00	1.00	0.00	16.14	9.79	2.00	0.00	1.00	0.00
16.16	8.96	2.00	0.00	1.00	0.00	16.18	7.82	2.00	0.00	1.00	0.00
16.20	7.32	2.00	0.00	1.00	0.00	16.22	6.51	2.00	0.00	1.00	0.00
16.24	5.77	2.00	0.00	1.00	0.00	16.26	5.21	2.00	0.00	1.00	0.00
16.28	5.28	2.00	0.00	1.00	0.00	16.30	6.33	2.00	0.00	1.00	0.00
16.32	7.95	2.00	0.00	1.00	0.00	16.34	8.67	2.00	0.00	1.00	0.00
16.36	11.58	2.00	0.00	1.00	0.00	16.38	10.29	2.00	0.00	1.00	0.00
16.40	9.06	2.00	0.00	1.00	0.00	16.42	8.90	2.00	0.00	1.00	0.00
16.44	9.14	2.00	0.00	1.00	0.00	16.46	10.02	2.00	0.00	1.00	0.00
16.48	10.67	2.00	0.00	1.00	0.00	16.50	10.09	2.00	0.00	1.00	0.00
16.52	9.52	2.00	0.00	1.00	0.00	16.54	9.84	2.00	0.00	1.00	0.00
16.56	9.59	2.00	0.00	1.00	0.00	16.58	9.02	2.00	0.00	1.00	0.00
16.60	9.34	2.00	0.00	1.00	0.00	16.62	9.66	2.00	0.00	1.00	0.00
16.64	10.22	2.00	0.00	1.00	0.00	16.66	10.86	2.00	0.00	1.00	0.00
16.68	11.17	2.00	0.00	1.00	0.00	16.70	10.04	2.00	0.00	1.00	0.00
16.72	8.90	2.00	0.00	1.00	0.00	16.74	8.82	2.00	0.00	1.00	0.00
16.76	9.54	2.00	0.00	1.00	0.00	16.78	9.93	2.00	0.00	1.00	0.00
16.80	9.85	2.00	0.00	1.00	0.00	16.82	9.60	2.00	0.00	1.00	0.00
16.84	9.12	2.00	0.00	1.00	0.00	16.86	8.55	2.00	0.00	1.00	0.00
16.88	7.98	2.00	0.00	1.00	0.00	16.90	7.18	2.00	0.00	1.00	0.00
16.92	6.78	2.00	0.00	1.00	0.00	16.94	6.45	2.00	0.00	1.00	0.00
16.96	6.61	2.00	0.00	1.00	0.00	16.98	6.76	2.00	0.00	1.00	0.00
17.00	7.32	2.00	0.00	1.00	0.00	17.02	7.55	2.00	0.00	1.00	0.00
17.04	7.55	2.00	0.00	1.00	0.00	17.06	7.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	7.62	2.00	0.00	1.00	0.00	17.10	7.77	2.00	0.00	1.00	0.00
17.12	7.77	2.00	0.00	1.00	0.00	17.14	7.53	2.00	0.00	1.00	0.00
17.16	7.60	2.00	0.00	1.00	0.00	17.18	7.44	2.00	0.00	1.00	0.00
17.20	7.43	2.00	0.00	1.00	0.00	17.22	7.35	2.00	0.00	1.00	0.00
17.24	7.35	2.00	0.00	1.00	0.00	17.26	7.11	2.00	0.00	1.00	0.00
17.28	7.58	2.00	0.00	1.00	0.00	17.30	10.74	2.00	0.00	1.00	0.00
17.32	71.75	0.94	4.45	1.00	0.09	17.34	76.92	0.98	2.36	1.00	0.05
17.36	79.49	1.01	1.56	1.00	0.03	17.38	81.43	1.03	1.25	1.00	0.02
17.40	82.19	1.04	1.16	1.00	0.02	17.42	82.29	1.04	1.14	1.00	0.02
17.44	23.66	2.00	0.00	1.00	0.00	17.46	24.07	2.00	0.00	1.00	0.00
17.48	25.54	2.00	0.00	1.00	0.00	17.50	27.34	2.00	0.00	1.00	0.00
17.52	27.82	2.00	0.00	1.00	0.00	17.54	27.64	2.00	0.00	1.00	0.00
17.56	24.76	2.00	0.00	1.00	0.00	17.58	22.78	2.00	0.00	1.00	0.00
17.60	21.61	2.00	0.00	1.00	0.00	17.62	20.47	2.00	0.00	1.00	0.00
17.64	21.43	2.00	0.00	1.00	0.00	17.66	20.86	2.00	0.00	1.00	0.00
17.68	17.88	2.00	0.00	1.00	0.00	17.70	17.62	2.00	0.00	1.00	0.00
17.72	17.37	2.00	0.00	1.00	0.00	17.74	17.20	2.00	0.00	1.00	0.00
17.76	17.43	2.00	0.00	1.00	0.00	17.78	16.22	2.00	0.00	1.00	0.00
17.80	14.38	2.00	0.00	1.00	0.00	17.82	13.73	2.00	0.00	1.00	0.00
17.84	13.96	2.00	0.00	1.00	0.00	17.86	15.15	2.00	0.00	1.00	0.00
17.88	15.22	2.00	0.00	1.00	0.00	17.90	12.28	2.00	0.00	1.00	0.00
17.92	10.78	2.00	0.00	1.00	0.00	17.94	9.76	2.00	0.00	1.00	0.00
17.96	9.44	2.00	0.00	1.00	0.00	17.98	9.82	2.00	0.00	1.00	0.00
18.00	10.21	2.00	0.00	1.00	0.00	18.02	9.73	2.00	0.00	1.00	0.00
18.04	9.73	2.00	0.00	1.00	0.00	18.06	11.60	2.00	0.00	1.00	0.00
18.08	12.92	2.00	0.00	1.00	0.00	18.10	11.90	2.00	0.00	1.00	0.00
18.12	10.88	2.00	0.00	1.00	0.00	18.14	9.86	2.00	0.00	1.00	0.00
18.16	8.77	2.00	0.00	1.00	0.00	18.18	7.91	2.00	0.00	1.00	0.00
18.20	7.52	2.00	0.00	1.00	0.00	18.22	8.06	2.00	0.00	1.00	0.00
18.24	8.36	2.00	0.00	1.00	0.00	18.26	8.59	2.00	0.00	1.00	0.00
18.28	8.51	2.00	0.00	1.00	0.00	18.30	8.43	2.00	0.00	1.00	0.00
18.32	9.04	2.00	0.00	1.00	0.00	18.34	9.96	2.00	0.00	1.00	0.00
18.36	9.41	2.00	0.00	1.00	0.00	18.38	8.48	2.00	0.00	1.00	0.00
18.40	8.48	2.00	0.00	1.00	0.00	18.42	8.63	2.00	0.00	1.00	0.00
18.44	9.32	2.00	0.00	1.00	0.00	18.46	9.77	2.00	0.00	1.00	0.00
18.48	10.31	2.00	0.00	1.00	0.00	18.50	11.31	2.00	0.00	1.00	0.00
18.52	12.31	2.00	0.00	1.00	0.00	18.54	12.92	2.00	0.00	1.00	0.00
18.56	13.85	2.00	0.00	1.00	0.00	18.58	13.76	2.00	0.00	1.00	0.00
18.60	13.60	2.00	0.00	1.00	0.00	18.62	13.36	2.00	0.00	1.00	0.00
18.64	12.96	2.00	0.00	1.00	0.00	18.66	12.95	2.00	0.00	1.00	0.00
18.68	13.10	2.00	0.00	1.00	0.00	18.70	13.79	2.00	0.00	1.00	0.00
18.72	13.94	2.00	0.00	1.00	0.00	18.74	13.70	2.00	0.00	1.00	0.00
18.76	13.38	2.00	0.00	1.00	0.00	18.78	13.45	2.00	0.00	1.00	0.00
18.80	14.13	2.00	0.00	1.00	0.00	18.82	14.28	2.00	0.00	1.00	0.00
18.84	14.89	2.00	0.00	1.00	0.00	18.86	15.12	2.00	0.00	1.00	0.00
18.88	15.26	2.00	0.00	1.00	0.00	18.90	16.03	2.00	0.00	1.00	0.00
18.92	16.48	2.00	0.00	1.00	0.00	18.94	16.55	2.00	0.00	1.00	0.00
18.96	16.78	2.00	0.00	1.00	0.00	18.98	16.07	2.00	0.00	1.00	0.00
19.00	15.67	2.00	0.00	1.00	0.00	19.02	15.58	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	14.65	2.00	0.00	1.00	0.00	19.06	13.71	2.00	0.00	1.00	0.00
19.08	13.55	2.00	0.00	1.00	0.00	19.10	13.47	2.00	0.00	1.00	0.00
19.12	13.69	2.00	0.00	1.00	0.00	19.14	13.68	2.00	0.00	1.00	0.00
19.16	14.06	2.00	0.00	1.00	0.00	19.18	14.05	2.00	0.00	1.00	0.00
19.20	14.42	2.00	0.00	1.00	0.00	19.22	14.41	2.00	0.00	1.00	0.00
19.24	14.63	2.00	0.00	1.00	0.00	19.26	14.93	2.00	0.00	1.00	0.00
19.28	14.31	2.00	0.00	1.00	0.00	19.30	13.61	2.00	0.00	1.00	0.00
19.32	12.84	2.00	0.00	1.00	0.00	19.34	13.07	2.00	0.00	1.00	0.00
19.36	13.29	2.00	0.00	1.00	0.00	19.38	13.28	2.00	0.00	1.00	0.00
19.40	12.97	2.00	0.00	1.00	0.00	19.42	12.81	2.00	0.00	1.00	0.00
19.44	13.10	2.00	0.00	1.00	0.00	19.46	12.79	2.00	0.00	1.00	0.00
19.48	13.16	2.00	0.00	1.00	0.00	19.50	13.61	2.00	0.00	1.00	0.00
19.52	13.98	2.00	0.00	1.00	0.00	19.54	14.28	2.00	0.00	1.00	0.00
19.56	14.19	2.00	0.00	1.00	0.00	19.58	14.34	2.00	0.00	1.00	0.00
19.60	14.25	2.00	0.00	1.00	0.00	19.62	14.24	2.00	0.00	1.00	0.00
19.64	13.86	2.00	0.00	1.00	0.00	19.66	13.62	2.00	0.00	1.00	0.00
19.68	13.23	2.00	0.00	1.00	0.00	19.70	13.23	2.00	0.00	1.00	0.00
19.72	13.52	2.00	0.00	1.00	0.00	19.74	14.27	2.00	0.00	1.00	0.00
19.76	14.33	2.00	0.00	1.00	0.00	19.78	14.63	2.00	0.00	1.00	0.00
19.80	14.70	2.00	0.00	1.00	0.00	19.82	14.61	2.00	0.00	1.00	0.00
19.84	14.91	2.00	0.00	1.00	0.00	19.86	14.75	2.00	0.00	1.00	0.00
19.88	14.51	2.00	0.00	1.00	0.00	19.90	14.20	2.00	0.00	1.00	0.00
19.92	13.22	2.00	0.00	1.00	0.00	19.94	12.68	2.00	0.00	1.00	0.00
19.96	12.23	2.00	0.00	1.00	0.00	19.98	11.33	2.00	0.00	1.00	0.00
20.00	10.58	2.00	0.00	1.00	0.00						

Total estimated settlement: 2.08

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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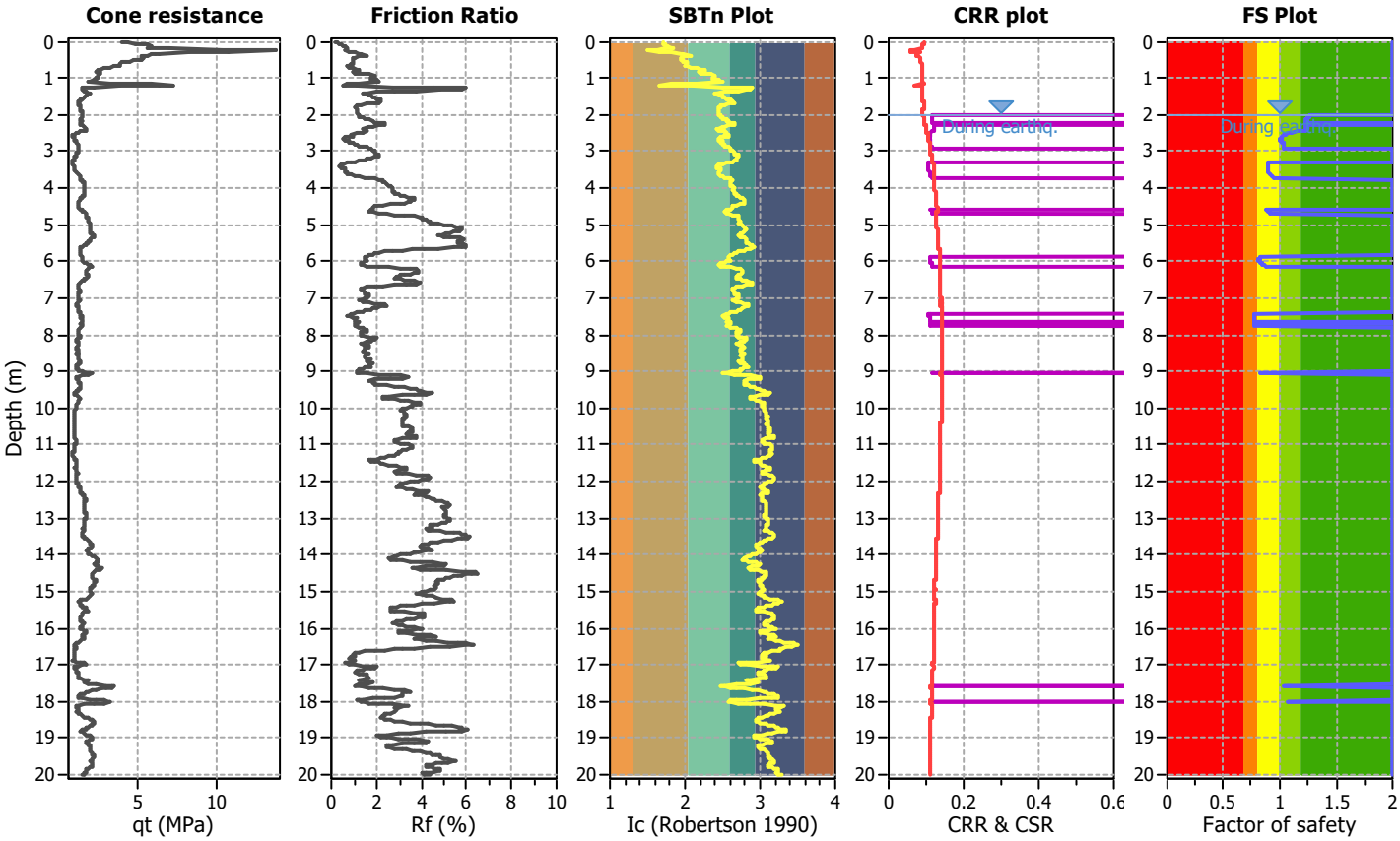
LIQUEFACTION ANALYSIS REPORT

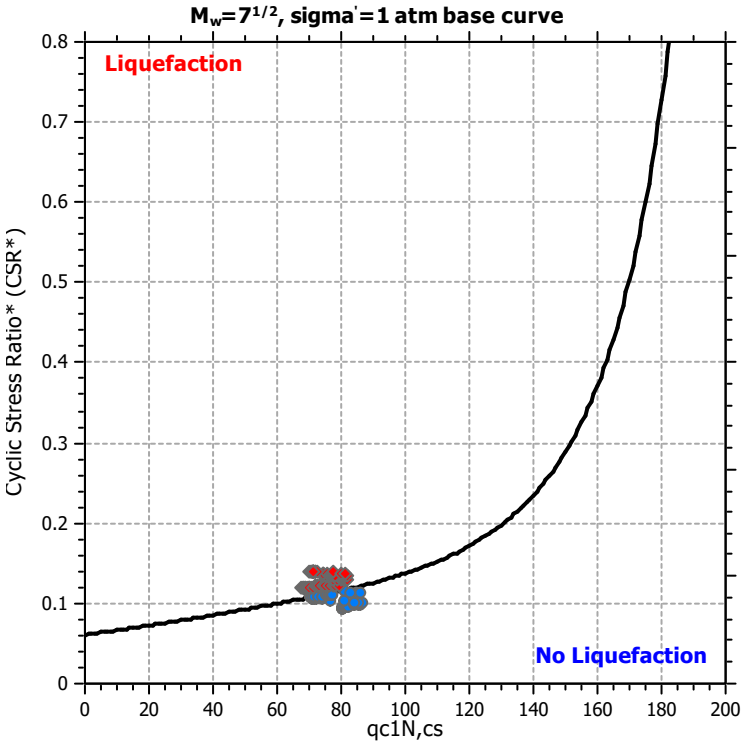
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

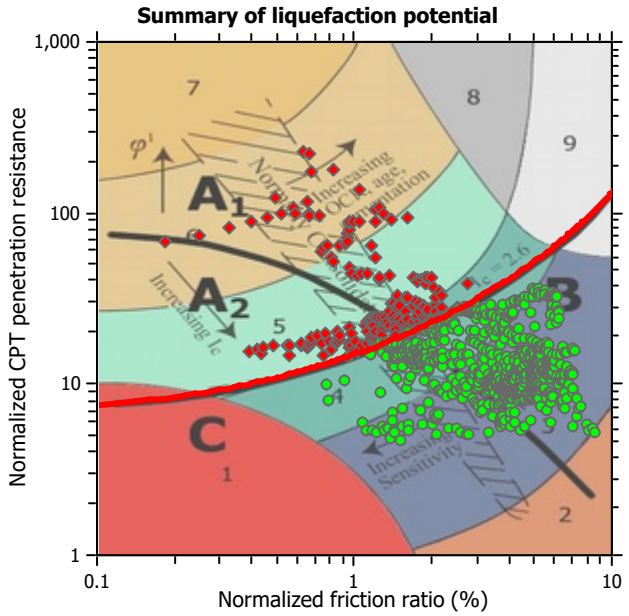
CPT file : P269

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

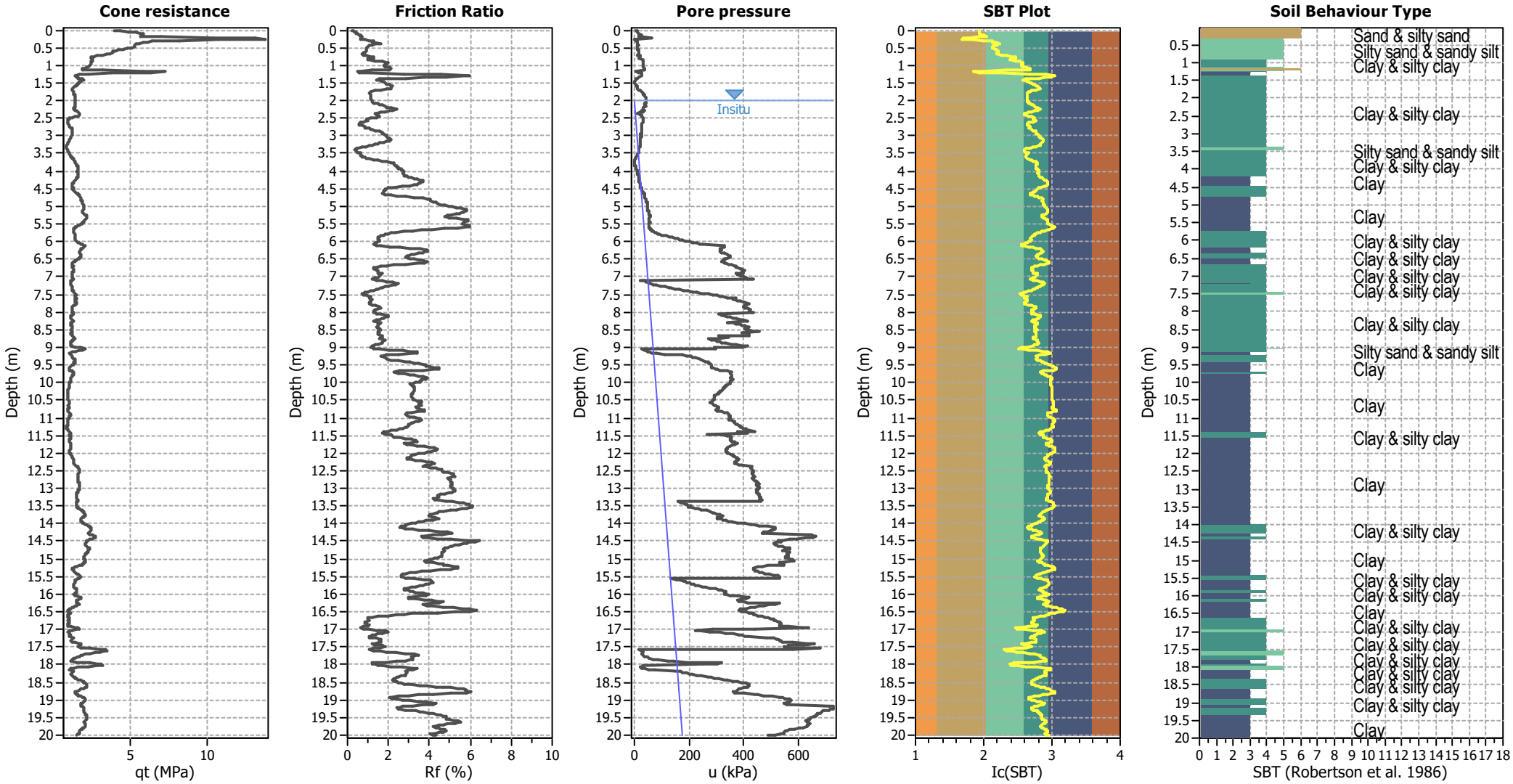






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



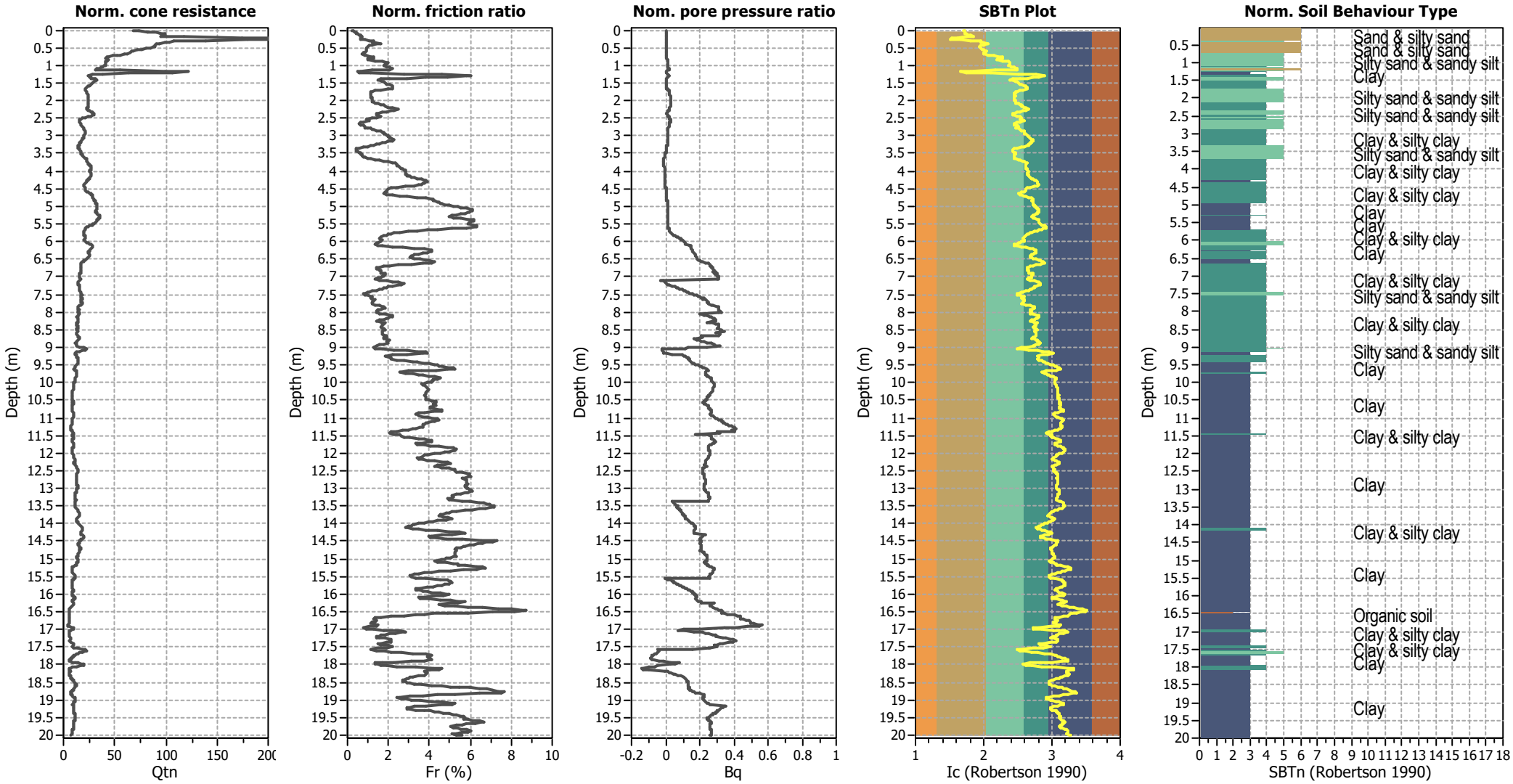
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



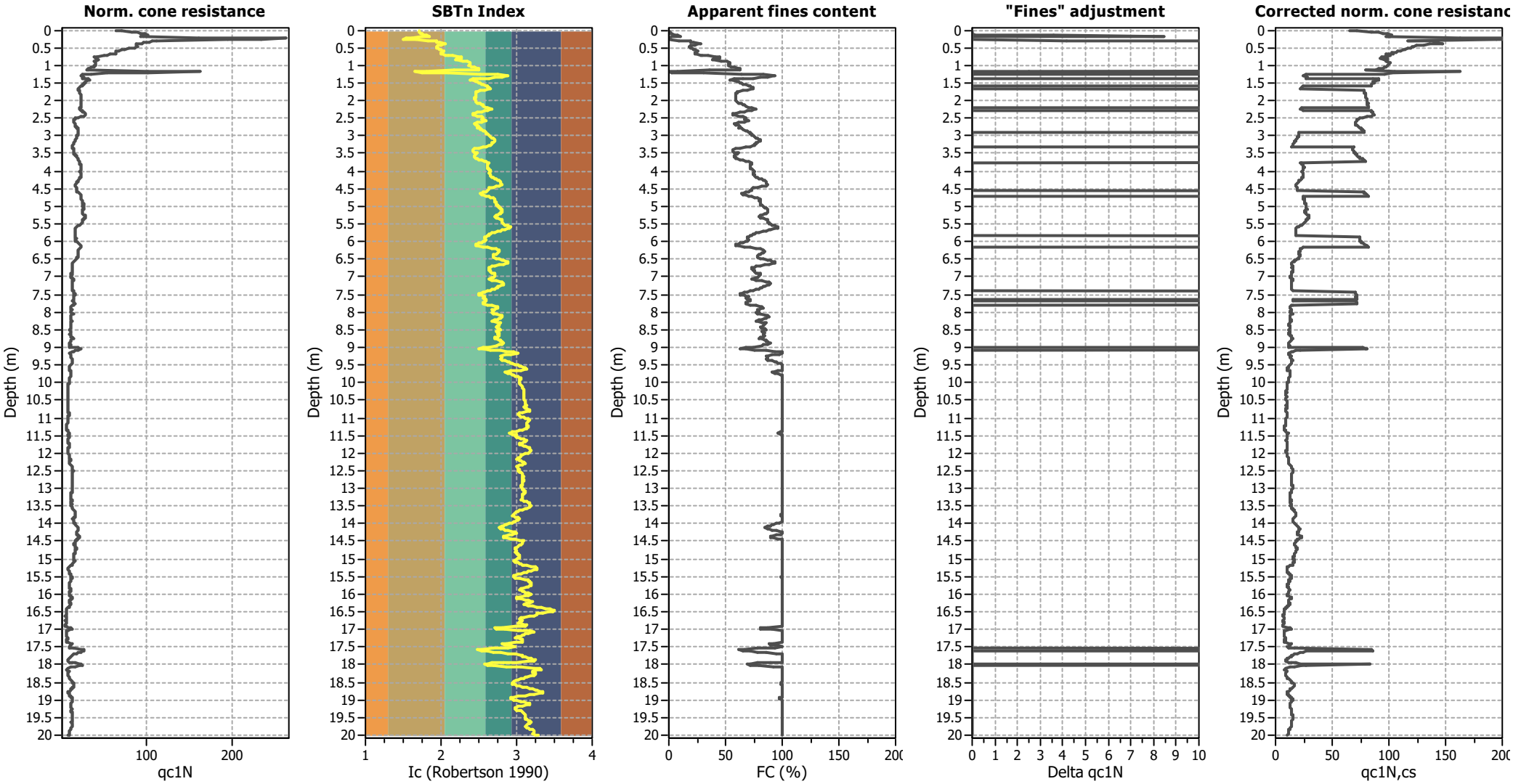
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

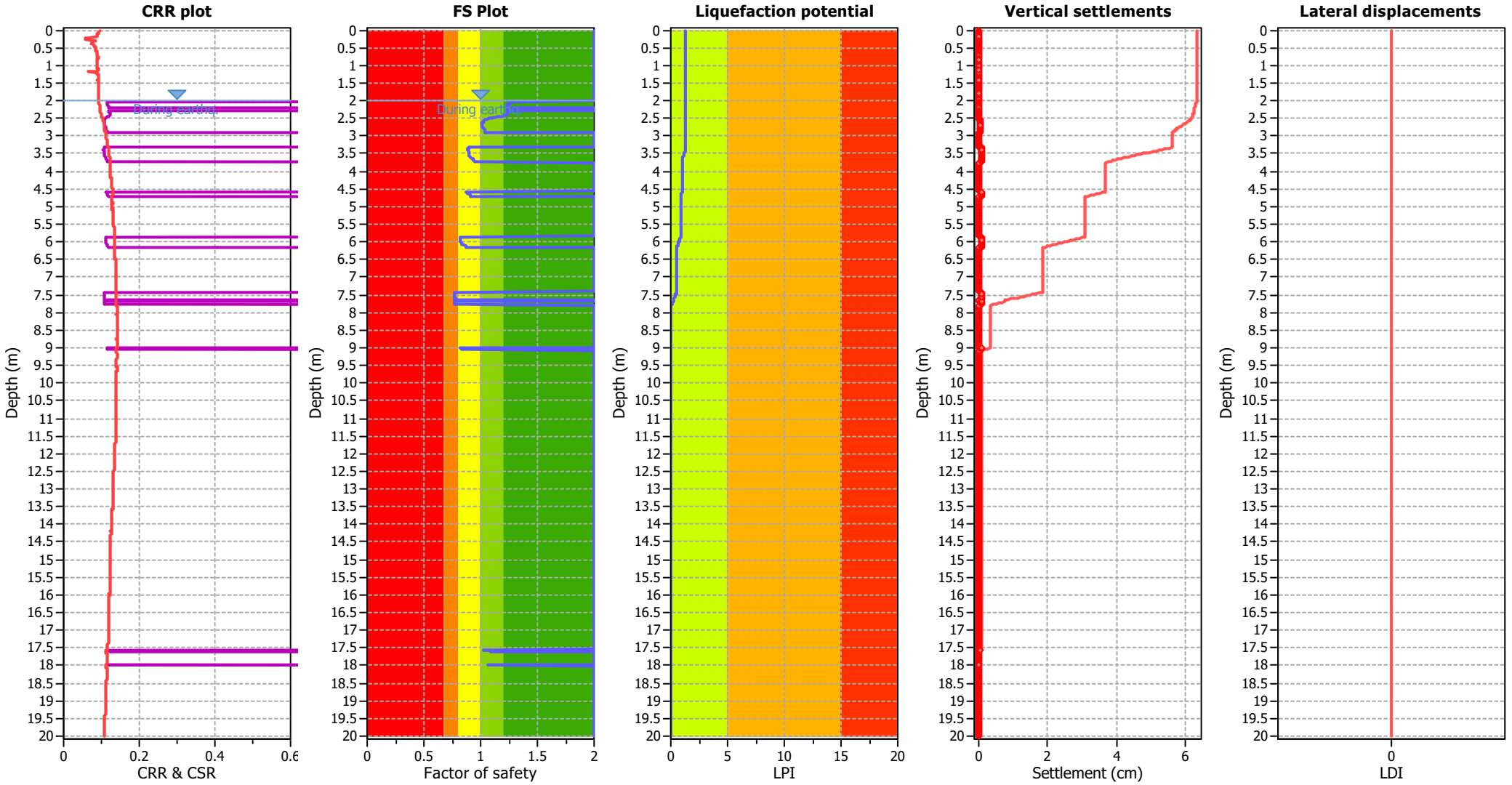
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

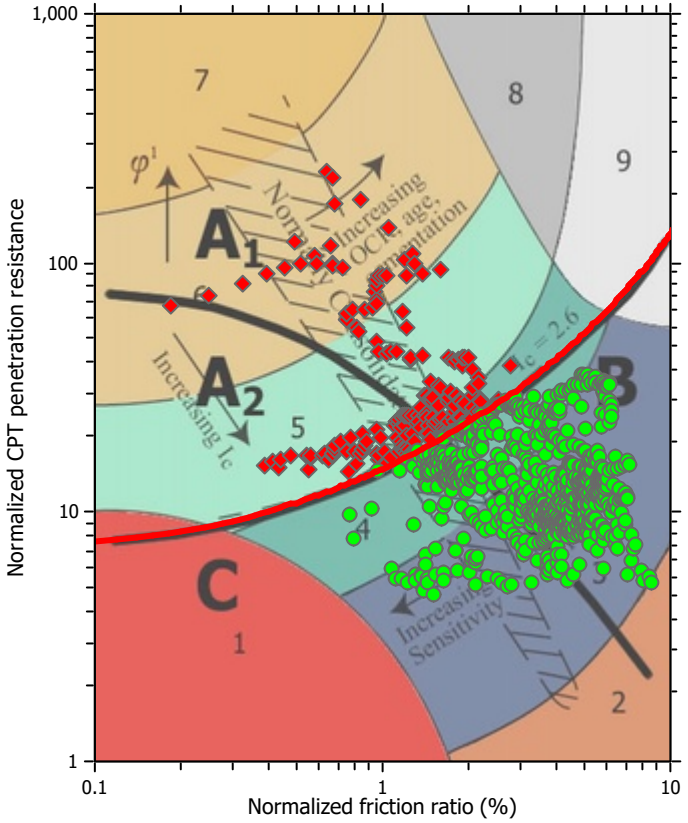
F.S. color scheme

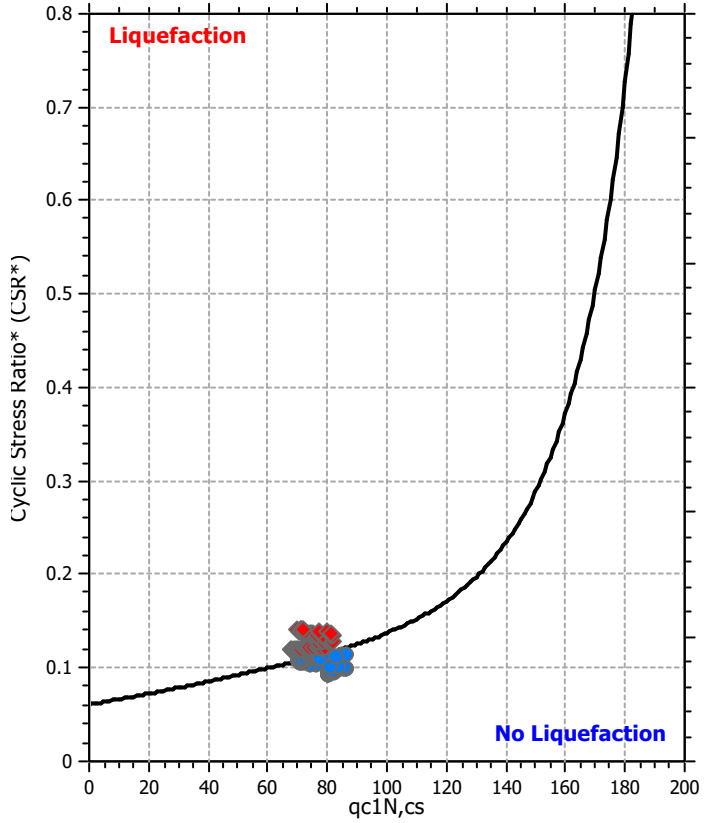
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

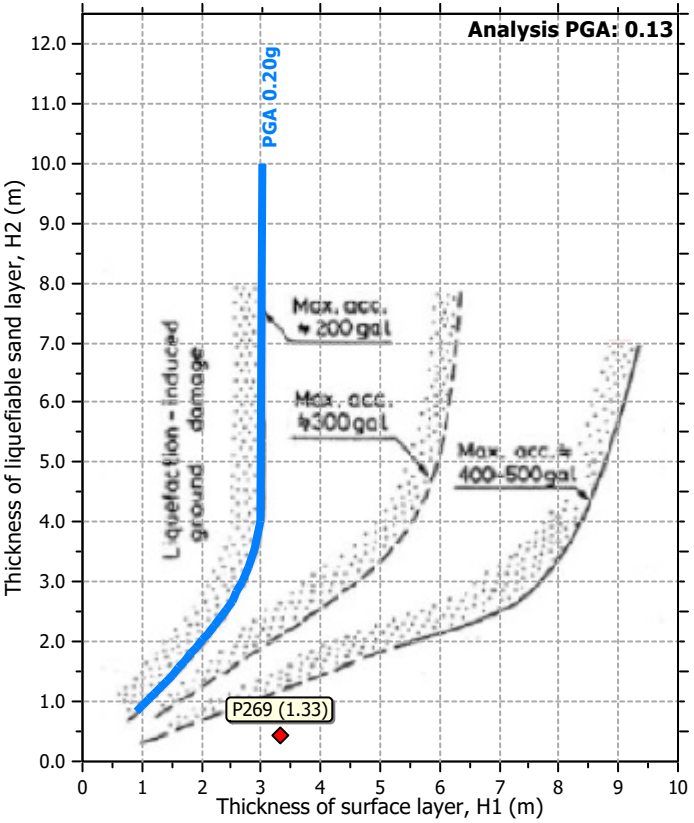
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



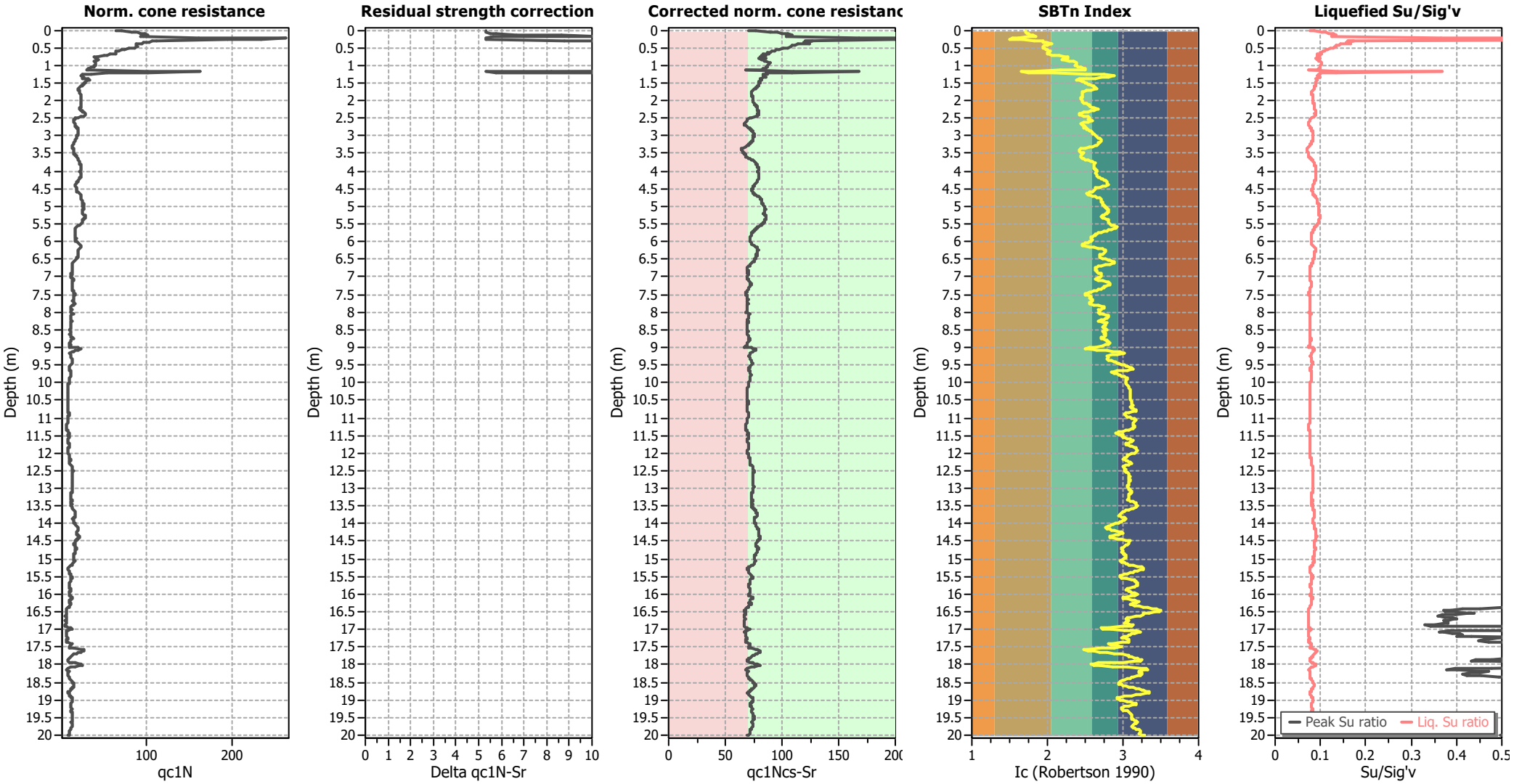




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.26	0.00	0.00	0.02	0.00	2.04	1.26	0.00	0.00	0.02	0.00
2.06	1.26	0.00	0.00	0.02	0.00	2.08	1.25	0.00	0.00	0.02	0.00
2.10	1.25	0.00	0.00	0.02	0.00	2.12	1.24	0.00	0.00	0.02	0.00
2.14	1.24	0.00	0.00	0.02	0.00	2.16	1.25	0.00	0.00	0.02	0.00
2.18	1.23	0.00	0.00	0.02	0.00	2.20	1.23	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	1.23	0.00	0.00	0.02	0.00	2.32	1.23	0.00	0.00	0.02	0.00
2.34	1.24	0.00	0.00	0.02	0.00	2.36	1.24	0.00	0.00	0.02	0.00
2.38	1.24	0.00	0.00	0.02	0.00	2.40	1.24	0.00	0.00	0.02	0.00
2.42	1.22	0.00	0.00	0.02	0.00	2.44	1.20	0.00	0.00	0.02	0.00
2.46	1.16	0.00	0.00	0.02	0.00	2.48	1.10	0.00	0.00	0.02	0.00
2.50	1.07	0.00	0.00	0.02	0.00	2.52	1.05	0.00	0.00	0.02	0.00
2.54	1.04	0.00	0.00	0.02	0.00	2.56	1.03	0.00	0.00	0.02	0.00
2.58	1.03	0.00	0.00	0.02	0.00	2.60	1.02	0.00	0.00	0.02	0.00
2.62	1.01	0.00	0.00	0.02	0.00	2.64	1.01	0.00	0.00	0.02	0.00
2.66	1.01	0.00	0.00	0.02	0.00	2.68	1.01	0.00	0.00	0.02	0.00
2.70	1.01	0.00	0.00	0.02	0.00	2.72	1.02	0.00	0.00	0.02	0.00
2.74	1.02	0.00	0.00	0.02	0.00	2.76	1.02	0.00	0.00	0.02	0.00
2.78	1.03	0.00	0.00	0.02	0.00	2.80	1.03	0.00	0.00	0.02	0.00
2.82	1.03	0.00	0.00	0.02	0.00	2.84	1.03	0.00	0.00	0.02	0.00
2.86	1.03	0.00	0.00	0.02	0.00	2.88	1.04	0.00	0.00	0.02	0.00
2.90	1.04	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	0.90	0.00	0.00	0.02	0.02
3.34	0.90	0.00	0.00	0.02	0.02	3.36	0.89	0.00	0.00	0.02	0.02
3.38	0.89	0.00	0.00	0.02	0.02	3.40	0.89	0.00	0.00	0.02	0.02
3.42	0.89	0.00	0.00	0.02	0.02	3.44	0.89	0.00	0.00	0.02	0.02
3.46	0.89	0.00	0.00	0.02	0.02	3.48	0.89	0.00	0.00	0.02	0.02
3.50	0.89	0.00	0.00	0.02	0.02	3.52	0.89	0.00	0.00	0.02	0.02
3.54	0.90	0.00	0.00	0.02	0.02	3.56	0.90	0.00	0.00	0.02	0.02
3.58	0.90	0.00	0.00	0.02	0.02	3.60	0.91	0.00	0.00	0.02	0.02
3.62	0.91	0.00	0.00	0.02	0.01	3.64	0.92	0.00	0.00	0.02	0.01
3.66	0.93	0.00	0.00	0.02	0.01	3.68	0.94	0.00	0.00	0.02	0.01
3.70	0.94	0.00	0.00	0.02	0.01	3.72	0.95	0.00	0.00	0.02	0.01
3.74	0.95	0.00	0.00	0.02	0.01	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	0.87	0.00	0.00	0.02	0.02	4.60	0.88	0.00	0.00	0.02	0.02
4.62	0.89	0.00	0.00	0.02	0.02	4.64	0.90	0.00	0.00	0.02	0.02
4.66	0.90	0.00	0.00	0.02	0.01	4.68	0.91	0.00	0.00	0.02	0.01
4.70	0.91	0.00	0.00	0.02	0.01	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	0.82	0.00	0.00	0.02	0.03	5.88	0.82	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	0.82	0.00	0.00	0.02	0.03	5.92	0.82	0.00	0.00	0.02	0.03
5.94	0.81	0.00	0.00	0.02	0.03	5.96	0.81	0.00	0.00	0.02	0.03
5.98	0.82	0.00	0.00	0.02	0.03	6.00	0.82	0.00	0.00	0.02	0.02
6.02	0.83	0.00	0.00	0.02	0.02	6.04	0.83	0.00	0.00	0.02	0.02
6.06	0.84	0.00	0.00	0.02	0.02	6.08	0.84	0.00	0.00	0.02	0.02
6.10	0.87	0.00	0.00	0.02	0.02	6.12	0.87	0.00	0.00	0.02	0.02
6.14	0.87	0.00	0.00	0.02	0.02	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	0.77	0.00	0.00	0.02	0.03	7.44	0.77	0.00	0.00	0.02	0.03
7.46	0.77	0.00	0.00	0.02	0.03	7.48	0.77	0.00	0.00	0.02	0.03
7.50	0.77	0.00	0.00	0.02	0.03	7.52	0.77	0.00	0.00	0.02	0.03
7.54	0.77	0.00	0.00	0.02	0.03	7.56	0.77	0.00	0.00	0.02	0.03
7.58	0.77	0.00	0.00	0.02	0.03	7.60	0.78	0.00	0.00	0.02	0.03
7.62	0.78	0.00	0.00	0.02	0.03	7.64	0.78	0.00	0.00	0.02	0.03
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	0.77	0.00	0.00	0.02	0.03	7.72	0.78	0.00	0.00	0.02	0.03
7.74	0.77	0.00	0.00	0.02	0.03	7.76	0.78	0.00	0.00	0.02	0.03
7.78	0.77	0.00	0.00	0.02	0.03	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	0.82	0.00	0.00	0.02	0.02	9.04	0.84	0.00	0.00	0.02	0.02
9.06	0.85	0.00	0.00	0.02	0.02	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	1.03	0.00	0.00	0.02	0.00
17.58	1.07	0.00	0.00	0.02	0.00	17.60	1.09	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	1.06	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

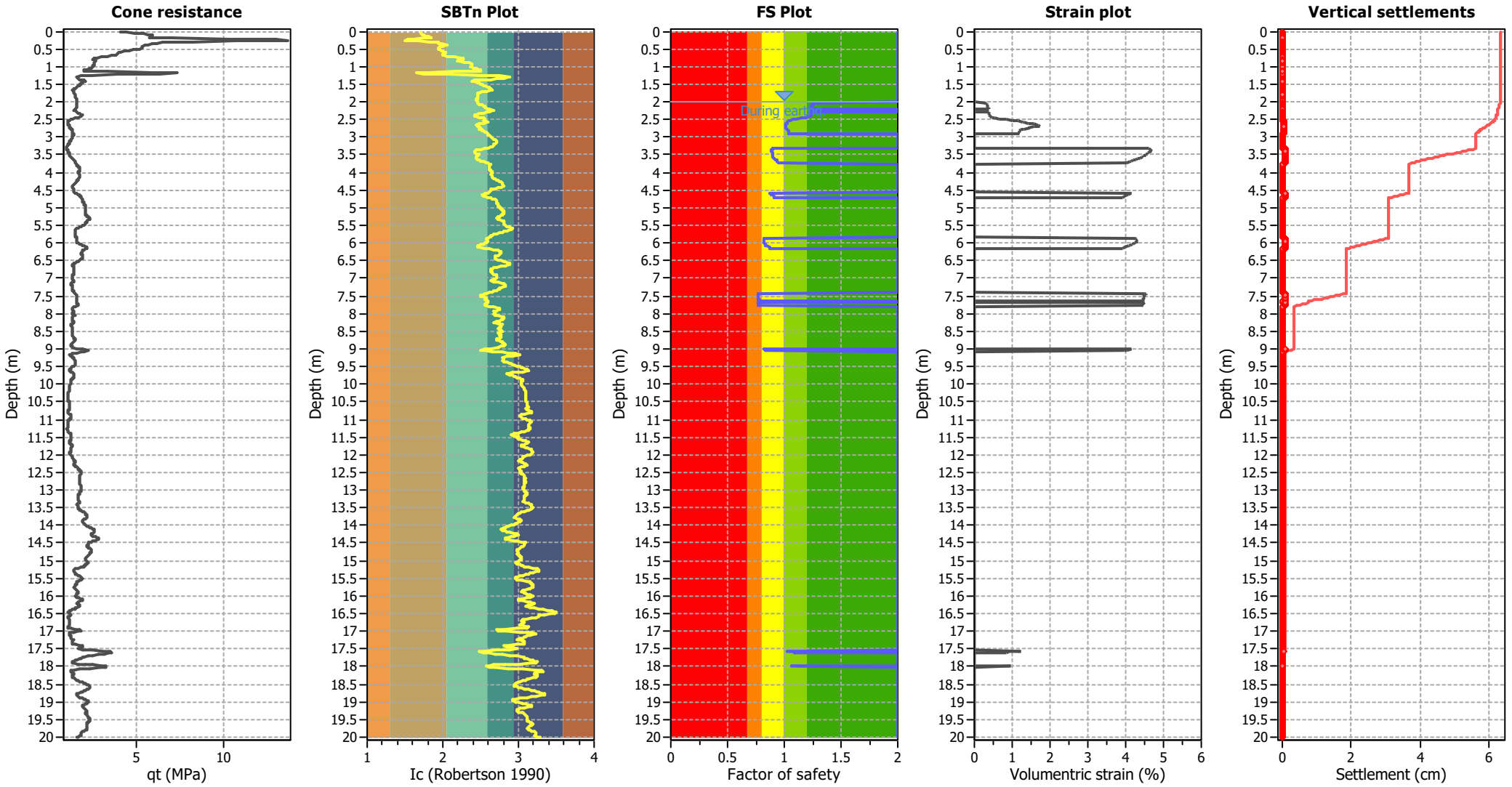
Overall liquefaction potential: 1.33

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.71	67.43	1.00	67.43	13	31597	0.10	0.000	0.00	3.58	0.00	0.000
0.04	1.72	73.93	1.00	73.93	14	34864	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.72	82.54	1.00	82.54	16	39000	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.72	90.15	1.00	90.15	17	42757	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.73	95.08	1.00	95.08	18	45778	0.09	0.000	0.00	3.58	0.00	0.000
0.12	1.75	98.79	1.08	106.60	20	48398	0.09	0.000	0.00	3.58	0.00	0.000
0.14	1.77	99.06	1.12	111.11	21	50286	0.09	0.000	0.00	3.58	0.00	0.000
0.16	1.82	96.98	1.17	113.48	22	51879	0.09	0.000	0.00	3.58	0.00	0.000
0.18	1.84	95.51	1.19	114.04	22	52790	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.74	117.81	1.07	126.28	24	57411	0.09	0.001	0.00	3.58	0.00	0.000
0.22	1.62	174.54	1.00	174.54	32	72727	0.07	0.000	0.00	3.58	0.00	0.000
0.24	1.54	220.02	1.00	220.02	39	82581	0.06	0.000	0.00	3.58	0.00	0.000
0.26	1.51	230.69	1.00	230.69	40	83482	0.06	0.000	0.00	3.58	0.00	0.000
0.28	1.67	180.30	1.00	180.30	33	79745	0.06	0.001	0.00	3.58	0.00	0.000
0.30	1.82	138.31	1.17	162.13	32	74183	0.08	0.001	0.00	3.58	0.00	0.000
0.32	1.95	108.12	1.27	137.40	28	68631	0.07	0.001	0.00	3.58	0.00	0.000
0.34	1.95	103.37	1.27	131.38	27	65627	0.08	0.001	0.00	3.58	0.00	0.000
0.36	1.99	99.11	1.30	128.47	27	65771	0.08	0.001	0.00	3.58	0.00	0.000
0.38	2.07	94.07	1.37	129.19	28	69052	0.07	0.001	0.00	3.58	0.00	0.000
0.40	2.03	91.11	1.34	121.85	26	64160	0.08	0.001	0.00	3.58	0.00	0.000
0.42	2.00	89.09	1.31	116.58	24	60282	0.08	0.001	0.00	3.58	0.00	0.000
0.44	1.96	89.36	1.28	114.02	23	57256	0.08	0.001	0.00	3.58	0.00	0.000
0.46	1.95	89.50	1.27	113.40	23	56401	0.08	0.001	0.00	3.58	0.00	0.000
0.48	1.94	88.50	1.26	111.89	23	55488	0.08	0.001	0.00	3.58	0.00	0.000
0.50	1.95	85.53	1.27	108.61	22	54186	0.08	0.001	0.00	3.58	0.00	0.000
0.52	1.97	81.00	1.28	103.86	21	52491	0.08	0.002	0.00	3.58	0.00	0.000
0.54	1.99	76.13	1.30	98.72	20	50553	0.09	0.002	0.00	3.58	0.00	0.000
0.56	2.01	71.82	1.31	94.41	20	49025	0.09	0.002	0.00	3.58	0.00	0.000
0.58	2.03	68.30	1.33	90.89	19	47681	0.09	0.002	0.00	3.58	0.00	0.000
0.60	2.03	66.01	1.34	88.26	19	46469	0.09	0.002	0.00	3.58	0.00	0.000
0.62	2.02	64.88	1.33	86.10	18	45070	0.09	0.002	0.00	3.58	0.00	0.000
0.64	2.00	64.93	1.30	84.68	18	43636	0.09	0.002	0.00	3.58	0.00	0.000
0.66	2.00	62.80	1.31	82.10	17	42415	0.09	0.003	0.00	3.58	0.00	0.000
0.68	2.02	59.66	1.32	78.79	16	41088	0.09	0.003	0.00	3.58	0.00	0.000
0.70	2.07	54.96	1.37	75.57	16	40409	0.09	0.003	0.00	3.58	0.00	0.000
0.72	2.09	52.57	1.40	73.69	16	39678	0.09	0.003	0.00	3.58	0.00	0.000
0.74	2.15	48.50	1.50	72.82	16	39537	0.09	0.003	0.00	3.58	0.00	0.000
0.76	2.22	44.46	1.67	74.24	17	39733	0.09	0.003	0.00	3.58	0.00	0.000
0.78	2.27	41.93	1.82	76.20	18	39847	0.09	0.003	0.00	3.58	0.00	0.000
0.80	2.28	41.25	1.84	75.72	18	39470	0.09	0.003	0.00	3.58	0.00	0.000
0.82	2.21	43.11	1.64	70.73	16	37999	0.09	0.004	0.00	3.58	0.00	0.000
0.84	2.19	43.69	1.60	69.74	16	37654	0.09	0.004	0.00	3.58	0.00	0.000
0.86	2.21	44.16	1.64	72.60	16	38986	0.09	0.004	0.00	3.58	0.00	0.000
0.88	2.29	42.70	1.87	80.01	19	41421	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.35	41.41	2.14	88.80	21	43724	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.38	41.41	2.29	94.81	23	45443	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.39	41.57	2.34	97.13	24	46160	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.39	41.45	2.30	95.39	23	45628	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.38	41.06	2.25	92.47	23	44630	0.09	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.37	40.77	2.21	89.93	22	43780	0.09	0.004	0.00	3.58	0.00	0.000
1.02	2.38	40.04	2.25	90.08	22	43497	0.09	0.004	0.00	3.58	0.00	0.000
1.04	2.40	38.70	2.40	92.86	23	43632	0.09	0.004	0.00	3.58	0.00	0.000
1.06	2.44	37.07	2.60	96.23	24	43695	0.09	0.004	0.00	3.58	0.00	0.000
1.08	2.48	34.88	2.82	98.26	25	43024	0.09	0.004	0.00	3.58	0.00	0.000
1.10	2.50	32.76	2.97	97.22	25	41580	0.09	0.004	0.00	3.58	0.00	0.000
1.12	2.50	31.74	2.95	93.59	24	40147	0.09	0.005	0.00	3.58	0.00	0.000
1.14	2.17	54.95	1.54	84.37	19	45765	0.09	0.004	0.00	3.58	0.00	0.000
1.16	1.81	98.84	1.16	114.82	22	52326	0.09	0.004	0.00	3.58	0.00	0.000
1.18	1.66	122.29	1.00	122.29	22	53458	0.07	0.004	0.00	3.58	0.00	0.000
1.20	1.75	106.38	1.08	115.01	22	52199	0.09	0.004	0.00	3.58	0.00	0.000
1.22	2.10	64.19	1.42	91.36	20	49382	0.09	0.004	0.00	3.58	0.00	0.000
1.24	2.51	38.76	3.05	118.17	31	49930	0.09	0.004	0.00	3.58	0.00	0.000
1.26	2.76	28.52	5.37	153.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.89	24.60	6.99	172.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.87	25.08	6.77	169.69	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	2.81	26.11	5.92	154.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	2.72	26.97	4.92	132.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.64	27.06	4.11	111.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.52	29.11	3.15	91.67	24	38170	0.09	0.006	0.00	3.58	0.00	0.000
1.40	2.43	31.72	2.54	80.44	20	36899	0.09	0.006	0.01	3.58	0.00	0.000
1.42	2.39	33.21	2.32	77.17	19	36761	0.09	0.007	0.01	3.58	0.00	0.000
1.44	2.42	32.25	2.47	79.79	20	36998	0.09	0.007	0.01	3.58	0.00	0.000
1.46	2.46	30.34	2.74	83.13	21	36852	0.09	0.007	0.01	3.58	0.00	0.000
1.48	2.49	29.21	2.91	84.92	22	36658	0.09	0.007	0.01	3.58	0.00	0.000
1.50	2.51	28.47	3.02	85.92	22	36472	0.09	0.007	0.01	3.58	0.00	0.000
1.52	2.51	27.91	3.08	85.95	22	36152	0.09	0.007	0.01	3.58	0.00	0.000
1.54	2.53	27.08	3.23	87.33	23	35969	0.09	0.007	0.01	3.58	0.00	0.000
1.56	2.56	26.35	3.42	90.04	24	36132	0.09	0.007	0.01	3.58	0.00	0.000
1.58	2.59	25.35	3.65	92.47	25	36027	0.09	0.008	0.01	3.58	0.00	0.000
1.60	2.61	24.23	3.81	92.42	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.62	23.06	3.95	91.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.64	22.10	4.10	90.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.65	21.43	4.17	89.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.63	21.16	4.00	84.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.58	21.46	3.55	76.14	20	30034	0.09	0.010	0.01	3.58	0.01	0.000
1.72	2.53	21.81	3.16	68.90	18	28648	0.09	0.011	0.01	3.58	0.01	0.000
1.74	2.49	22.22	2.89	64.22	16	27797	0.09	0.012	0.01	3.58	0.01	0.000
1.76	2.47	22.62	2.79	63.03	16	27732	0.09	0.012	0.02	3.58	0.01	0.000
1.78	2.46	22.96	2.73	62.60	16	27816	0.09	0.012	0.02	3.58	0.01	0.000
1.80	2.46	23.30	2.69	62.67	16	28014	0.09	0.012	0.02	3.58	0.01	0.000
1.82	2.46	23.48	2.69	63.12	16	28218	0.09	0.012	0.02	3.58	0.01	0.000
1.84	2.45	23.70	2.68	63.58	16	28455	0.09	0.012	0.02	3.58	0.01	0.000
1.86	2.46	23.77	2.70	64.20	16	28642	0.09	0.012	0.02	3.58	0.01	0.000
1.88	2.45	23.99	2.69	64.43	16	28820	0.09	0.012	0.02	3.58	0.01	0.000
1.90	2.45	24.11	2.68	64.55	16	28912	0.09	0.012	0.02	3.58	0.01	0.000
1.92	2.45	24.39	2.64	64.51	16	29050	0.09	0.012	0.02	3.58	0.01	0.000
1.94	2.45	24.45	2.65	64.68	16	29123	0.09	0.012	0.02	3.58	0.01	0.000
1.96	2.45	24.50	2.66	65.07	16	29249	0.09	0.012	0.02	3.58	0.01	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.45	24.44	2.68	65.50	17	29324	0.09	0.012	0.02	3.58	0.01	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	80.19	2.00	0.00	1.00	0.00	2.02	80.48	1.26	0.31	1.00	0.01
2.04	80.59	1.26	0.32	1.00	0.01	2.06	80.80	1.26	0.33	1.00	0.01
2.08	80.85	1.25	0.33	1.00	0.01	2.10	81.44	1.25	0.34	1.00	0.01
2.12	80.90	1.24	0.35	1.00	0.01	2.14	81.25	1.24	0.36	1.00	0.01
2.16	82.57	1.25	0.35	1.00	0.01	2.18	81.87	1.23	0.37	1.00	0.01
2.20	82.48	1.23	0.37	1.00	0.01	2.22	23.15	2.00	0.00	1.00	0.00
2.24	22.31	2.00	0.00	1.00	0.00	2.26	22.65	2.00	0.00	1.00	0.00
2.28	24.33	2.00	0.00	1.00	0.00	2.30	84.56	1.23	0.39	1.00	0.01
2.32	84.28	1.23	0.40	1.00	0.01	2.34	85.79	1.24	0.39	1.00	0.01
2.36	86.36	1.24	0.39	1.00	0.01	2.38	86.21	1.24	0.40	1.00	0.01
2.40	86.65	1.24	0.41	1.00	0.01	2.42	85.91	1.22	0.42	1.00	0.01
2.44	84.23	1.20	0.46	1.00	0.01	2.46	81.37	1.16	0.52	1.00	0.01
2.48	76.83	1.10	0.67	1.00	0.01	2.50	74.17	1.07	0.83	1.00	0.02
2.52	72.63	1.05	0.99	1.00	0.02	2.54	71.69	1.04	1.14	1.00	0.02
2.56	71.23	1.03	1.25	1.00	0.03	2.58	71.16	1.03	1.32	1.00	0.03
2.60	70.89	1.02	1.44	1.00	0.03	2.62	70.61	1.01	1.58	1.00	0.03
2.64	70.74	1.01	1.64	1.00	0.03	2.66	70.84	1.01	1.70	1.00	0.03
2.68	71.15	1.01	1.71	1.00	0.03	2.70	72.10	1.01	1.56	1.00	0.03
2.72	73.05	1.02	1.44	1.00	0.03	2.74	73.23	1.02	1.47	1.00	0.03
2.76	74.38	1.02	1.33	1.00	0.03	2.78	75.34	1.03	1.24	1.00	0.02
2.80	75.67	1.03	1.24	1.00	0.02	2.82	76.24	1.03	1.20	1.00	0.02
2.84	76.72	1.03	1.19	1.00	0.02	2.86	77.02	1.03	1.19	1.00	0.02
2.88	77.60	1.04	1.16	1.00	0.02	2.90	77.74	1.04	1.18	1.00	0.02
2.92	20.99	2.00	0.00	1.00	0.00	2.94	21.10	2.00	0.00	1.00	0.00
2.96	21.06	2.00	0.00	1.00	0.00	2.98	20.40	2.00	0.00	1.00	0.00
3.00	20.06	2.00	0.00	1.00	0.00	3.02	20.02	2.00	0.00	1.00	0.00
3.04	19.52	2.00	0.00	1.00	0.00	3.06	19.48	2.00	0.00	1.00	0.00
3.08	18.83	2.00	0.00	1.00	0.00	3.10	18.18	2.00	0.00	1.00	0.00
3.12	18.00	2.00	0.00	1.00	0.00	3.14	17.36	2.00	0.00	1.00	0.00
3.16	17.18	2.00	0.00	1.00	0.00	3.18	16.70	2.00	0.00	1.00	0.00
3.20	16.37	2.00	0.00	1.00	0.00	3.22	15.89	2.00	0.00	1.00	0.00
3.24	15.41	2.00	0.00	1.00	0.00	3.26	15.24	2.00	0.00	1.00	0.00
3.28	14.77	2.00	0.00	1.00	0.00	3.30	14.45	2.00	0.00	1.00	0.00
3.32	69.05	0.90	4.61	1.00	0.09	3.34	68.58	0.90	4.64	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	68.06	0.89	4.67	1.00	0.09	3.38	67.75	0.89	4.69	1.00	0.09
3.40	68.26	0.89	4.66	1.00	0.09	3.42	68.98	0.89	4.61	1.00	0.09
3.44	69.27	0.89	4.59	1.00	0.09	3.46	69.84	0.89	4.56	1.00	0.09
3.48	70.02	0.89	4.55	1.00	0.09	3.50	70.42	0.89	4.52	1.00	0.09
3.52	70.27	0.89	4.53	1.00	0.09	3.54	71.18	0.90	4.48	1.00	0.09
3.56	71.60	0.90	4.45	1.00	0.09	3.58	72.30	0.90	4.41	1.00	0.09
3.60	72.84	0.91	4.38	1.00	0.09	3.62	74.07	0.91	4.31	1.00	0.09
3.64	74.92	0.92	4.27	1.00	0.09	3.66	76.38	0.93	4.19	1.00	0.08
3.68	77.27	0.94	4.14	1.00	0.08	3.70	77.91	0.94	4.11	1.00	0.08
3.72	79.09	0.95	4.05	1.00	0.08	3.74	79.24	0.95	4.05	1.00	0.08
3.76	22.17	2.00	0.00	1.00	0.00	3.78	22.56	2.00	0.00	1.00	0.00
3.80	23.10	2.00	0.00	1.00	0.00	3.82	23.78	2.00	0.00	1.00	0.00
3.84	24.45	2.00	0.00	1.00	0.00	3.86	24.55	2.00	0.00	1.00	0.00
3.88	24.79	2.00	0.00	1.00	0.00	3.90	25.17	2.00	0.00	1.00	0.00
3.92	24.70	2.00	0.00	1.00	0.00	3.94	24.51	2.00	0.00	1.00	0.00
3.96	24.19	2.00	0.00	1.00	0.00	3.98	24.14	2.00	0.00	1.00	0.00
4.00	23.68	2.00	0.00	1.00	0.00	4.02	23.64	2.00	0.00	1.00	0.00
4.04	24.30	2.00	0.00	1.00	0.00	4.06	24.54	2.00	0.00	1.00	0.00
4.08	23.94	2.00	0.00	1.00	0.00	4.10	24.04	2.00	0.00	1.00	0.00
4.12	24.14	2.00	0.00	1.00	0.00	4.14	24.10	2.00	0.00	1.00	0.00
4.16	23.92	2.00	0.00	1.00	0.00	4.18	23.87	2.00	0.00	1.00	0.00
4.20	23.28	2.00	0.00	1.00	0.00	4.22	22.82	2.00	0.00	1.00	0.00
4.24	22.49	2.00	0.00	1.00	0.00	4.26	21.76	2.00	0.00	1.00	0.00
4.28	21.03	2.00	0.00	1.00	0.00	4.30	20.72	2.00	0.00	1.00	0.00
4.32	20.13	2.00	0.00	1.00	0.00	4.34	19.82	2.00	0.00	1.00	0.00
4.36	19.10	2.00	0.00	1.00	0.00	4.38	18.23	2.00	0.00	1.00	0.00
4.40	18.07	2.00	0.00	1.00	0.00	4.42	17.77	2.00	0.00	1.00	0.00
4.44	18.03	2.00	0.00	1.00	0.00	4.46	18.85	2.00	0.00	1.00	0.00
4.48	19.52	2.00	0.00	1.00	0.00	4.50	19.37	2.00	0.00	1.00	0.00
4.52	18.93	2.00	0.00	1.00	0.00	4.54	18.77	2.00	0.00	1.00	0.00
4.56	19.43	2.00	0.00	1.00	0.00	4.58	76.76	0.87	4.17	1.00	0.08
4.60	77.75	0.88	4.12	1.00	0.08	4.62	78.83	0.89	4.07	1.00	0.08
4.64	79.74	0.90	4.02	1.00	0.08	4.66	80.74	0.90	3.97	1.00	0.08
4.68	81.33	0.91	3.95	1.00	0.08	4.70	82.09	0.91	3.91	1.00	0.08
4.72	24.94	2.00	0.00	1.00	0.00	4.74	25.15	2.00	0.00	1.00	0.00
4.76	24.83	2.00	0.00	1.00	0.00	4.78	24.92	2.00	0.00	1.00	0.00
4.80	25.27	2.00	0.00	1.00	0.00	4.82	25.50	2.00	0.00	1.00	0.00
4.84	26.11	2.00	0.00	1.00	0.00	4.86	26.07	2.00	0.00	1.00	0.00
4.88	26.03	2.00	0.00	1.00	0.00	4.90	25.85	2.00	0.00	1.00	0.00
4.92	26.07	2.00	0.00	1.00	0.00	4.94	27.20	2.00	0.00	1.00	0.00
4.96	27.28	2.00	0.00	1.00	0.00	4.98	26.84	2.00	0.00	1.00	0.00
5.00	27.18	2.00	0.00	1.00	0.00	5.02	27.14	2.00	0.00	1.00	0.00
5.04	27.22	2.00	0.00	1.00	0.00	5.06	27.43	2.00	0.00	1.00	0.00
5.08	27.64	2.00	0.00	1.00	0.00	5.10	26.82	2.00	0.00	1.00	0.00
5.12	26.14	2.00	0.00	1.00	0.00	5.14	26.23	2.00	0.00	1.00	0.00
5.16	26.32	2.00	0.00	1.00	0.00	5.18	26.28	2.00	0.00	1.00	0.00
5.20	26.37	2.00	0.00	1.00	0.00	5.22	26.97	2.00	0.00	1.00	0.00
5.24	28.07	2.00	0.00	1.00	0.00	5.26	29.17	2.00	0.00	1.00	0.00
5.28	29.63	2.00	0.00	1.00	0.00	5.30	29.71	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	29.41	2.00	0.00	1.00	0.00	5.34	28.73	2.00	0.00	1.00	0.00
5.36	27.93	2.00	0.00	1.00	0.00	5.38	26.75	2.00	0.00	1.00	0.00
5.40	26.71	2.00	0.00	1.00	0.00	5.42	26.67	2.00	0.00	1.00	0.00
5.44	26.25	2.00	0.00	1.00	0.00	5.46	25.59	2.00	0.00	1.00	0.00
5.48	24.80	2.00	0.00	1.00	0.00	5.50	24.13	2.00	0.00	1.00	0.00
5.52	23.21	2.00	0.00	1.00	0.00	5.54	22.42	2.00	0.00	1.00	0.00
5.56	21.50	2.00	0.00	1.00	0.00	5.58	20.34	2.00	0.00	1.00	0.00
5.60	18.92	2.00	0.00	1.00	0.00	5.62	18.39	2.00	0.00	1.00	0.00
5.64	18.37	2.00	0.00	1.00	0.00	5.66	18.35	2.00	0.00	1.00	0.00
5.68	17.95	2.00	0.00	1.00	0.00	5.70	17.81	2.00	0.00	1.00	0.00
5.72	17.92	2.00	0.00	1.00	0.00	5.74	17.91	2.00	0.00	1.00	0.00
5.76	17.89	2.00	0.00	1.00	0.00	5.78	18.38	2.00	0.00	1.00	0.00
5.80	18.23	2.00	0.00	1.00	0.00	5.82	18.34	2.00	0.00	1.00	0.00
5.84	18.57	2.00	0.00	1.00	0.00	5.86	74.62	0.82	4.28	1.00	0.09
5.88	74.69	0.82	4.28	1.00	0.09	5.90	74.56	0.82	4.29	1.00	0.09
5.92	74.74	0.82	4.28	1.00	0.09	5.94	74.14	0.81	4.31	1.00	0.09
5.96	74.23	0.81	4.31	1.00	0.09	5.98	74.55	0.82	4.29	1.00	0.09
6.00	75.31	0.82	4.25	1.00	0.08	6.02	76.24	0.83	4.20	1.00	0.08
6.04	76.84	0.83	4.17	1.00	0.08	6.06	77.61	0.84	4.13	1.00	0.08
6.08	78.35	0.84	4.09	1.00	0.08	6.10	81.18	0.87	3.95	1.00	0.08
6.12	81.31	0.87	3.95	1.00	0.08	6.14	81.97	0.87	3.92	1.00	0.08
6.16	23.83	2.00	0.00	1.00	0.00	6.18	22.93	2.00	0.00	1.00	0.00
6.20	22.16	2.00	0.00	1.00	0.00	6.22	21.76	2.00	0.00	1.00	0.00
6.24	21.85	2.00	0.00	1.00	0.00	6.26	21.34	2.00	0.00	1.00	0.00
6.28	21.18	2.00	0.00	1.00	0.00	6.30	20.80	2.00	0.00	1.00	0.00
6.32	21.13	2.00	0.00	1.00	0.00	6.34	20.87	2.00	0.00	1.00	0.00
6.36	21.08	2.00	0.00	1.00	0.00	6.38	21.66	2.00	0.00	1.00	0.00
6.40	21.76	2.00	0.00	1.00	0.00	6.42	21.49	2.00	0.00	1.00	0.00
6.44	20.99	2.00	0.00	1.00	0.00	6.46	20.36	2.00	0.00	1.00	0.00
6.48	20.09	2.00	0.00	1.00	0.00	6.50	18.85	2.00	0.00	1.00	0.00
6.52	18.10	2.00	0.00	1.00	0.00	6.54	17.24	2.00	0.00	1.00	0.00
6.56	16.49	2.00	0.00	1.00	0.00	6.58	15.50	2.00	0.00	1.00	0.00
6.60	14.52	2.00	0.00	1.00	0.00	6.62	14.26	2.00	0.00	1.00	0.00
6.64	14.25	2.00	0.00	1.00	0.00	6.66	14.72	2.00	0.00	1.00	0.00
6.68	14.96	2.00	0.00	1.00	0.00	6.70	14.95	2.00	0.00	1.00	0.00
6.72	14.81	2.00	0.00	1.00	0.00	6.74	14.68	2.00	0.00	1.00	0.00
6.76	14.79	2.00	0.00	1.00	0.00	6.78	14.89	2.00	0.00	1.00	0.00
6.80	14.99	2.00	0.00	1.00	0.00	6.82	15.09	2.00	0.00	1.00	0.00
6.84	14.60	2.00	0.00	1.00	0.00	6.86	14.82	2.00	0.00	1.00	0.00
6.88	14.33	2.00	0.00	1.00	0.00	6.90	14.19	2.00	0.00	1.00	0.00
6.92	13.58	2.00	0.00	1.00	0.00	6.94	13.56	2.00	0.00	1.00	0.00
6.96	13.79	2.00	0.00	1.00	0.00	6.98	13.53	2.00	0.00	1.00	0.00
7.00	13.28	2.00	0.00	1.00	0.00	7.02	13.39	2.00	0.00	1.00	0.00
7.04	13.73	2.00	0.00	1.00	0.00	7.06	14.08	2.00	0.00	1.00	0.00
7.08	15.60	2.00	0.00	1.00	0.00	7.10	15.57	2.00	0.00	1.00	0.00
7.12	14.14	2.00	0.00	1.00	0.00	7.14	14.12	2.00	0.00	1.00	0.00
7.16	14.10	2.00	0.00	1.00	0.00	7.18	14.08	2.00	0.00	1.00	0.00
7.20	14.30	2.00	0.00	1.00	0.00	7.22	14.28	2.00	0.00	1.00	0.00
7.24	14.27	2.00	0.00	1.00	0.00	7.26	14.49	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	14.60	2.00	0.00	1.00	0.00	7.30	14.23	2.00	0.00	1.00	0.00
7.32	13.99	2.00	0.00	1.00	0.00	7.34	14.68	2.00	0.00	1.00	0.00
7.36	14.66	2.00	0.00	1.00	0.00	7.38	14.77	2.00	0.00	1.00	0.00
7.40	15.69	2.00	0.00	1.00	0.00	7.42	71.07	0.77	4.49	1.00	0.09
7.44	70.44	0.77	4.52	1.00	0.09	7.46	70.13	0.77	4.54	1.00	0.09
7.48	71.08	0.77	4.48	1.00	0.09	7.50	71.16	0.77	4.48	1.00	0.09
7.52	71.23	0.77	4.48	1.00	0.09	7.54	70.92	0.77	4.49	1.00	0.09
7.56	71.31	0.77	4.47	1.00	0.09	7.58	71.00	0.77	4.49	1.00	0.09
7.60	71.73	0.78	4.45	1.00	0.09	7.62	72.07	0.78	4.43	1.00	0.09
7.64	71.56	0.78	4.46	1.00	0.09	7.66	15.96	2.00	0.00	1.00	0.00
7.68	15.25	2.00	0.00	1.00	0.00	7.70	70.96	0.77	4.49	1.00	0.09
7.72	71.59	0.78	4.45	1.00	0.09	7.74	71.27	0.77	4.47	1.00	0.09
7.76	72.33	0.78	4.41	1.00	0.09	7.78	71.54	0.77	4.46	1.00	0.09
7.80	15.62	2.00	0.00	1.00	0.00	7.82	13.89	2.00	0.00	1.00	0.00
7.84	13.07	2.00	0.00	1.00	0.00	7.86	12.94	2.00	0.00	1.00	0.00
7.88	12.70	2.00	0.00	1.00	0.00	7.90	12.91	2.00	0.00	1.00	0.00
7.92	13.59	2.00	0.00	1.00	0.00	7.94	13.69	2.00	0.00	1.00	0.00
7.96	13.56	2.00	0.00	1.00	0.00	7.98	12.75	2.00	0.00	1.00	0.00
8.00	12.29	2.00	0.00	1.00	0.00	8.02	13.30	2.00	0.00	1.00	0.00
8.04	15.99	2.00	0.00	1.00	0.00	8.06	14.28	2.00	0.00	1.00	0.00
8.08	13.25	2.00	0.00	1.00	0.00	8.10	12.90	2.00	0.00	1.00	0.00
8.12	12.54	2.00	0.00	1.00	0.00	8.14	12.19	2.00	0.00	1.00	0.00
8.16	12.63	2.00	0.00	1.00	0.00	8.18	12.62	2.00	0.00	1.00	0.00
8.20	12.61	2.00	0.00	1.00	0.00	8.22	13.50	2.00	0.00	1.00	0.00
8.24	14.50	2.00	0.00	1.00	0.00	8.26	13.25	2.00	0.00	1.00	0.00
8.28	12.90	2.00	0.00	1.00	0.00	8.30	12.55	2.00	0.00	1.00	0.00
8.32	12.20	2.00	0.00	1.00	0.00	8.34	12.08	2.00	0.00	1.00	0.00
8.36	11.96	2.00	0.00	1.00	0.00	8.38	12.06	2.00	0.00	1.00	0.00
8.40	12.61	2.00	0.00	1.00	0.00	8.42	12.82	2.00	0.00	1.00	0.00
8.44	12.81	2.00	0.00	1.00	0.00	8.46	13.01	2.00	0.00	1.00	0.00
8.48	12.56	2.00	0.00	1.00	0.00	8.50	11.88	2.00	0.00	1.00	0.00
8.52	11.87	2.00	0.00	1.00	0.00	8.54	13.08	2.00	0.00	1.00	0.00
8.56	12.95	2.00	0.00	1.00	0.00	8.58	12.50	2.00	0.00	1.00	0.00
8.60	12.05	2.00	0.00	1.00	0.00	8.62	11.92	2.00	0.00	1.00	0.00
8.64	12.57	2.00	0.00	1.00	0.00	8.66	12.89	2.00	0.00	1.00	0.00
8.68	13.54	2.00	0.00	1.00	0.00	8.70	13.53	2.00	0.00	1.00	0.00
8.72	14.39	2.00	0.00	1.00	0.00	8.74	15.91	2.00	0.00	1.00	0.00
8.76	14.37	2.00	0.00	1.00	0.00	8.78	13.58	2.00	0.00	1.00	0.00
8.80	13.57	2.00	0.00	1.00	0.00	8.82	12.90	2.00	0.00	1.00	0.00
8.84	12.45	2.00	0.00	1.00	0.00	8.86	11.57	2.00	0.00	1.00	0.00
8.88	11.23	2.00	0.00	1.00	0.00	8.90	11.66	2.00	0.00	1.00	0.00
8.92	11.98	2.00	0.00	1.00	0.00	8.94	12.29	2.00	0.00	1.00	0.00
8.96	12.50	2.00	0.00	1.00	0.00	8.98	11.73	2.00	0.00	1.00	0.00
9.00	11.72	2.00	0.00	1.00	0.00	9.02	77.26	0.82	4.15	1.00	0.08
9.04	79.76	0.84	4.02	1.00	0.08	9.06	81.00	0.85	3.96	1.00	0.08
9.08	21.58	2.00	0.00	1.00	0.00	9.10	18.33	2.00	0.00	1.00	0.00
9.12	15.63	2.00	0.00	1.00	0.00	9.14	14.21	2.00	0.00	1.00	0.00
9.16	11.61	2.00	0.00	1.00	0.00	9.18	11.49	2.00	0.00	1.00	0.00
9.20	12.13	2.00	0.00	1.00	0.00	9.22	12.87	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	13.19	2.00	0.00	1.00	0.00	9.26	13.50	2.00	0.00	1.00	0.00
9.28	13.27	2.00	0.00	1.00	0.00	9.30	13.36	2.00	0.00	1.00	0.00
9.32	14.10	2.00	0.00	1.00	0.00	9.34	14.62	2.00	0.00	1.00	0.00
9.36	14.92	2.00	0.00	1.00	0.00	9.38	14.38	2.00	0.00	1.00	0.00
9.40	14.36	2.00	0.00	1.00	0.00	9.42	14.45	2.00	0.00	1.00	0.00
9.44	14.65	2.00	0.00	1.00	0.00	9.46	14.32	2.00	0.00	1.00	0.00
9.48	13.24	2.00	0.00	1.00	0.00	9.50	12.59	2.00	0.00	1.00	0.00
9.52	11.73	2.00	0.00	1.00	0.00	9.54	11.30	2.00	0.00	1.00	0.00
9.56	11.18	2.00	0.00	1.00	0.00	9.58	10.74	2.00	0.00	1.00	0.00
9.60	10.42	2.00	0.00	1.00	0.00	9.62	10.41	2.00	0.00	1.00	0.00
9.64	10.82	2.00	0.00	1.00	0.00	9.66	11.34	2.00	0.00	1.00	0.00
9.68	12.27	2.00	0.00	1.00	0.00	9.70	13.10	2.00	0.00	1.00	0.00
9.72	13.20	2.00	0.00	1.00	0.00	9.74	13.18	2.00	0.00	1.00	0.00
9.76	12.86	2.00	0.00	1.00	0.00	9.78	12.95	2.00	0.00	1.00	0.00
9.80	12.94	2.00	0.00	1.00	0.00	9.82	12.40	2.00	0.00	1.00	0.00
9.84	12.28	2.00	0.00	1.00	0.00	9.86	11.75	2.00	0.00	1.00	0.00
9.88	11.22	2.00	0.00	1.00	0.00	9.90	11.31	2.00	0.00	1.00	0.00
9.92	11.30	2.00	0.00	1.00	0.00	9.94	11.50	2.00	0.00	1.00	0.00
9.96	11.17	2.00	0.00	1.00	0.00	9.98	11.06	2.00	0.00	1.00	0.00
10.00	10.84	2.00	0.00	1.00	0.00	10.02	10.31	2.00	0.00	1.00	0.00
10.04	10.20	2.00	0.00	1.00	0.00	10.06	10.19	2.00	0.00	1.00	0.00
10.08	9.87	2.00	0.00	1.00	0.00	10.10	9.97	2.00	0.00	1.00	0.00
10.12	9.85	2.00	0.00	1.00	0.00	10.14	9.84	2.00	0.00	1.00	0.00
10.16	9.84	2.00	0.00	1.00	0.00	10.18	9.72	2.00	0.00	1.00	0.00
10.20	9.71	2.00	0.00	1.00	0.00	10.22	9.60	2.00	0.00	1.00	0.00
10.24	9.49	2.00	0.00	1.00	0.00	10.26	9.59	2.00	0.00	1.00	0.00
10.28	9.68	2.00	0.00	1.00	0.00	10.30	9.47	2.00	0.00	1.00	0.00
10.32	9.46	2.00	0.00	1.00	0.00	10.34	9.45	2.00	0.00	1.00	0.00
10.36	9.44	2.00	0.00	1.00	0.00	10.38	9.43	2.00	0.00	1.00	0.00
10.40	9.63	2.00	0.00	1.00	0.00	10.42	9.62	2.00	0.00	1.00	0.00
10.44	9.61	2.00	0.00	1.00	0.00	10.46	9.60	2.00	0.00	1.00	0.00
10.48	9.49	2.00	0.00	1.00	0.00	10.50	9.38	2.00	0.00	1.00	0.00
10.52	10.19	2.00	0.00	1.00	0.00	10.54	9.77	2.00	0.00	1.00	0.00
10.56	9.66	2.00	0.00	1.00	0.00	10.58	10.06	2.00	0.00	1.00	0.00
10.60	10.05	2.00	0.00	1.00	0.00	10.62	9.74	2.00	0.00	1.00	0.00
10.64	9.53	2.00	0.00	1.00	0.00	10.66	9.62	2.00	0.00	1.00	0.00
10.68	9.71	2.00	0.00	1.00	0.00	10.70	9.70	2.00	0.00	1.00	0.00
10.72	9.69	2.00	0.00	1.00	0.00	10.74	9.59	2.00	0.00	1.00	0.00
10.76	9.07	2.00	0.00	1.00	0.00	10.78	8.86	2.00	0.00	1.00	0.00
10.80	8.76	2.00	0.00	1.00	0.00	10.82	9.25	2.00	0.00	1.00	0.00
10.84	10.05	2.00	0.00	1.00	0.00	10.86	10.44	2.00	0.00	1.00	0.00
10.88	10.63	2.00	0.00	1.00	0.00	10.90	10.52	2.00	0.00	1.00	0.00
10.92	10.41	2.00	0.00	1.00	0.00	10.94	10.20	2.00	0.00	1.00	0.00
10.96	10.19	2.00	0.00	1.00	0.00	10.98	9.89	2.00	0.00	1.00	0.00
11.00	9.48	2.00	0.00	1.00	0.00	11.02	9.17	2.00	0.00	1.00	0.00
11.04	8.96	2.00	0.00	1.00	0.00	11.06	8.86	2.00	0.00	1.00	0.00
11.08	8.85	2.00	0.00	1.00	0.00	11.10	8.74	2.00	0.00	1.00	0.00
11.12	8.83	2.00	0.00	1.00	0.00	11.14	8.83	2.00	0.00	1.00	0.00
11.16	8.72	2.00	0.00	1.00	0.00	11.18	8.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	8.41	2.00	0.00	1.00	0.00	11.22	8.40	2.00	0.00	1.00	0.00
11.24	8.20	2.00	0.00	1.00	0.00	11.26	7.99	2.00	0.00	1.00	0.00
11.28	8.09	2.00	0.00	1.00	0.00	11.30	8.08	2.00	0.00	1.00	0.00
11.32	8.17	2.00	0.00	1.00	0.00	11.34	8.17	2.00	0.00	1.00	0.00
11.36	8.65	2.00	0.00	1.00	0.00	11.38	9.43	2.00	0.00	1.00	0.00
11.40	9.23	2.00	0.00	1.00	0.00	11.42	10.59	2.00	0.00	1.00	0.00
11.44	10.98	2.00	0.00	1.00	0.00	11.46	10.48	2.00	0.00	1.00	0.00
11.48	9.69	2.00	0.00	1.00	0.00	11.50	9.88	2.00	0.00	1.00	0.00
11.52	10.26	2.00	0.00	1.00	0.00	11.54	10.45	2.00	0.00	1.00	0.00
11.56	10.34	2.00	0.00	1.00	0.00	11.58	10.14	2.00	0.00	1.00	0.00
11.60	9.74	2.00	0.00	1.00	0.00	11.62	9.44	2.00	0.00	1.00	0.00
11.64	9.43	2.00	0.00	1.00	0.00	11.66	9.62	2.00	0.00	1.00	0.00
11.68	9.71	2.00	0.00	1.00	0.00	11.70	10.18	2.00	0.00	1.00	0.00
11.72	10.37	2.00	0.00	1.00	0.00	11.74	10.75	2.00	0.00	1.00	0.00
11.76	10.64	2.00	0.00	1.00	0.00	11.78	10.73	2.00	0.00	1.00	0.00
11.80	10.43	2.00	0.00	1.00	0.00	11.82	10.42	2.00	0.00	1.00	0.00
11.84	10.32	2.00	0.00	1.00	0.00	11.86	10.12	2.00	0.00	1.00	0.00
11.88	10.11	2.00	0.00	1.00	0.00	11.90	10.10	2.00	0.00	1.00	0.00
11.92	9.71	2.00	0.00	1.00	0.00	11.94	9.60	2.00	0.00	1.00	0.00
11.96	9.59	2.00	0.00	1.00	0.00	11.98	9.58	2.00	0.00	1.00	0.00
12.00	9.77	2.00	0.00	1.00	0.00	12.02	10.14	2.00	0.00	1.00	0.00
12.04	10.52	2.00	0.00	1.00	0.00	12.06	10.70	2.00	0.00	1.00	0.00
12.08	10.69	2.00	0.00	1.00	0.00	12.10	10.78	2.00	0.00	1.00	0.00
12.12	11.06	2.00	0.00	1.00	0.00	12.14	11.72	2.00	0.00	1.00	0.00
12.16	11.71	2.00	0.00	1.00	0.00	12.18	12.08	2.00	0.00	1.00	0.00
12.20	12.07	2.00	0.00	1.00	0.00	12.22	11.87	2.00	0.00	1.00	0.00
12.24	11.86	2.00	0.00	1.00	0.00	12.26	11.57	2.00	0.00	1.00	0.00
12.28	11.75	2.00	0.00	1.00	0.00	12.30	11.74	2.00	0.00	1.00	0.00
12.32	12.30	2.00	0.00	1.00	0.00	12.34	13.14	2.00	0.00	1.00	0.00
12.36	13.79	2.00	0.00	1.00	0.00	12.38	14.06	2.00	0.00	1.00	0.00
12.40	13.96	2.00	0.00	1.00	0.00	12.42	14.04	2.00	0.00	1.00	0.00
12.44	14.60	2.00	0.00	1.00	0.00	12.46	14.87	2.00	0.00	1.00	0.00
12.48	14.85	2.00	0.00	1.00	0.00	12.50	15.03	2.00	0.00	1.00	0.00
12.52	15.39	2.00	0.00	1.00	0.00	12.54	15.00	2.00	0.00	1.00	0.00
12.56	14.90	2.00	0.00	1.00	0.00	12.58	14.41	2.00	0.00	1.00	0.00
12.60	14.40	2.00	0.00	1.00	0.00	12.62	14.58	2.00	0.00	1.00	0.00
12.64	14.38	2.00	0.00	1.00	0.00	12.66	14.36	2.00	0.00	1.00	0.00
12.68	14.26	2.00	0.00	1.00	0.00	12.70	14.53	2.00	0.00	1.00	0.00
12.72	14.14	2.00	0.00	1.00	0.00	12.74	14.03	2.00	0.00	1.00	0.00
12.76	13.74	2.00	0.00	1.00	0.00	12.78	13.92	2.00	0.00	1.00	0.00
12.80	14.18	2.00	0.00	1.00	0.00	12.82	14.26	2.00	0.00	1.00	0.00
12.84	14.53	2.00	0.00	1.00	0.00	12.86	14.52	2.00	0.00	1.00	0.00
12.88	14.60	2.00	0.00	1.00	0.00	12.90	14.59	2.00	0.00	1.00	0.00
12.92	14.95	2.00	0.00	1.00	0.00	12.94	15.21	2.00	0.00	1.00	0.00
12.96	15.01	2.00	0.00	1.00	0.00	12.98	14.91	2.00	0.00	1.00	0.00
13.00	14.90	2.00	0.00	1.00	0.00	13.02	14.51	2.00	0.00	1.00	0.00
13.04	14.22	2.00	0.00	1.00	0.00	13.06	13.84	2.00	0.00	1.00	0.00
13.08	13.74	2.00	0.00	1.00	0.00	13.10	13.73	2.00	0.00	1.00	0.00
13.12	13.44	2.00	0.00	1.00	0.00	13.14	13.24	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	13.23	2.00	0.00	1.00	0.00	13.18	13.22	2.00	0.00	1.00	0.00
13.20	13.21	2.00	0.00	1.00	0.00	13.22	13.20	2.00	0.00	1.00	0.00
13.24	13.10	2.00	0.00	1.00	0.00	13.26	13.18	2.00	0.00	1.00	0.00
13.28	13.08	2.00	0.00	1.00	0.00	13.30	13.34	2.00	0.00	1.00	0.00
13.32	13.06	2.00	0.00	1.00	0.00	13.34	13.87	2.00	0.00	1.00	0.00
13.36	13.86	2.00	0.00	1.00	0.00	13.38	13.39	2.00	0.00	1.00	0.00
13.40	13.38	2.00	0.00	1.00	0.00	13.42	13.37	2.00	0.00	1.00	0.00
13.44	13.54	2.00	0.00	1.00	0.00	13.46	13.71	2.00	0.00	1.00	0.00
13.48	13.33	2.00	0.00	1.00	0.00	13.50	13.60	2.00	0.00	1.00	0.00
13.52	13.67	2.00	0.00	1.00	0.00	13.54	14.12	2.00	0.00	1.00	0.00
13.56	14.74	2.00	0.00	1.00	0.00	13.58	15.27	2.00	0.00	1.00	0.00
13.60	15.80	2.00	0.00	1.00	0.00	13.62	16.61	2.00	0.00	1.00	0.00
13.64	17.23	2.00	0.00	1.00	0.00	13.66	17.30	2.00	0.00	1.00	0.00
13.68	17.38	2.00	0.00	1.00	0.00	13.70	17.64	2.00	0.00	1.00	0.00
13.72	17.62	2.00	0.00	1.00	0.00	13.74	18.15	2.00	0.00	1.00	0.00
13.76	18.14	2.00	0.00	1.00	0.00	13.78	17.85	2.00	0.00	1.00	0.00
13.80	17.75	2.00	0.00	1.00	0.00	13.82	17.01	2.00	0.00	1.00	0.00
13.84	16.19	2.00	0.00	1.00	0.00	13.86	15.55	2.00	0.00	1.00	0.00
13.88	15.09	2.00	0.00	1.00	0.00	13.90	15.43	2.00	0.00	1.00	0.00
13.92	15.42	2.00	0.00	1.00	0.00	13.94	15.86	2.00	0.00	1.00	0.00
13.96	15.94	2.00	0.00	1.00	0.00	13.98	16.10	2.00	0.00	1.00	0.00
14.00	17.07	2.00	0.00	1.00	0.00	14.02	17.59	2.00	0.00	1.00	0.00
14.04	18.11	2.00	0.00	1.00	0.00	14.06	18.82	2.00	0.00	1.00	0.00
14.08	19.42	2.00	0.00	1.00	0.00	14.10	20.57	2.00	0.00	1.00	0.00
14.12	20.65	2.00	0.00	1.00	0.00	14.14	20.63	2.00	0.00	1.00	0.00
14.16	21.16	2.00	0.00	1.00	0.00	14.18	20.87	2.00	0.00	1.00	0.00
14.20	20.59	2.00	0.00	1.00	0.00	14.22	20.05	2.00	0.00	1.00	0.00
14.24	19.32	2.00	0.00	1.00	0.00	14.26	19.04	2.00	0.00	1.00	0.00
14.28	18.84	2.00	0.00	1.00	0.00	14.30	19.45	2.00	0.00	1.00	0.00
14.32	20.76	2.00	0.00	1.00	0.00	14.34	21.46	2.00	0.00	1.00	0.00
14.36	22.59	2.00	0.00	1.00	0.00	14.38	22.49	2.00	0.00	1.00	0.00
14.40	21.76	2.00	0.00	1.00	0.00	14.42	20.68	2.00	0.00	1.00	0.00
14.44	19.70	2.00	0.00	1.00	0.00	14.46	18.89	2.00	0.00	1.00	0.00
14.48	17.90	2.00	0.00	1.00	0.00	14.50	17.62	2.00	0.00	1.00	0.00
14.52	17.70	2.00	0.00	1.00	0.00	14.54	17.59	2.00	0.00	1.00	0.00
14.56	17.14	2.00	0.00	1.00	0.00	14.58	16.95	2.00	0.00	1.00	0.00
14.60	16.94	2.00	0.00	1.00	0.00	14.62	17.01	2.00	0.00	1.00	0.00
14.64	17.44	2.00	0.00	1.00	0.00	14.66	18.04	2.00	0.00	1.00	0.00
14.68	18.37	2.00	0.00	1.00	0.00	14.70	18.97	2.00	0.00	1.00	0.00
14.72	19.13	2.00	0.00	1.00	0.00	14.74	18.59	2.00	0.00	1.00	0.00
14.76	17.97	2.00	0.00	1.00	0.00	14.78	18.30	2.00	0.00	1.00	0.00
14.80	18.20	2.00	0.00	1.00	0.00	14.82	17.75	2.00	0.00	1.00	0.00
14.84	17.22	2.00	0.00	1.00	0.00	14.86	16.68	2.00	0.00	1.00	0.00
14.88	16.32	2.00	0.00	1.00	0.00	14.90	16.22	2.00	0.00	1.00	0.00
14.92	16.12	2.00	0.00	1.00	0.00	14.94	15.33	2.00	0.00	1.00	0.00
14.96	15.32	2.00	0.00	1.00	0.00	14.98	15.83	2.00	0.00	1.00	0.00
15.00	15.90	2.00	0.00	1.00	0.00	15.02	16.06	2.00	0.00	1.00	0.00
15.04	16.40	2.00	0.00	1.00	0.00	15.06	17.25	2.00	0.00	1.00	0.00
15.08	16.20	2.00	0.00	1.00	0.00	15.10	15.76	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	15.15	2.00	0.00	1.00	0.00	15.14	15.22	2.00	0.00	1.00	0.00
15.16	14.95	2.00	0.00	1.00	0.00	15.18	14.51	2.00	0.00	1.00	0.00
15.20	13.31	2.00	0.00	1.00	0.00	15.22	11.76	2.00	0.00	1.00	0.00
15.24	10.73	2.00	0.00	1.00	0.00	15.26	10.22	2.00	0.00	1.00	0.00
15.28	9.70	2.00	0.00	1.00	0.00	15.30	9.78	2.00	0.00	1.00	0.00
15.32	10.11	2.00	0.00	1.00	0.00	15.34	10.44	2.00	0.00	1.00	0.00
15.36	10.52	2.00	0.00	1.00	0.00	15.38	10.68	2.00	0.00	1.00	0.00
15.40	11.01	2.00	0.00	1.00	0.00	15.42	11.51	2.00	0.00	1.00	0.00
15.44	12.27	2.00	0.00	1.00	0.00	15.46	13.19	2.00	0.00	1.00	0.00
15.48	13.60	2.00	0.00	1.00	0.00	15.50	13.59	2.00	0.00	1.00	0.00
15.52	14.01	2.00	0.00	1.00	0.00	15.54	14.25	2.00	0.00	1.00	0.00
15.56	13.14	2.00	0.00	1.00	0.00	15.58	12.29	2.00	0.00	1.00	0.00
15.60	12.03	2.00	0.00	1.00	0.00	15.62	12.02	2.00	0.00	1.00	0.00
15.64	12.18	2.00	0.00	1.00	0.00	15.66	11.59	2.00	0.00	1.00	0.00
15.68	11.33	2.00	0.00	1.00	0.00	15.70	11.15	2.00	0.00	1.00	0.00
15.72	10.73	2.00	0.00	1.00	0.00	15.74	10.64	2.00	0.00	1.00	0.00
15.76	10.63	2.00	0.00	1.00	0.00	15.78	10.62	2.00	0.00	1.00	0.00
15.80	10.95	2.00	0.00	1.00	0.00	15.82	11.36	2.00	0.00	1.00	0.00
15.84	12.10	2.00	0.00	1.00	0.00	15.86	12.34	2.00	0.00	1.00	0.00
15.88	12.34	2.00	0.00	1.00	0.00	15.90	12.33	2.00	0.00	1.00	0.00
15.92	11.99	2.00	0.00	1.00	0.00	15.94	11.81	2.00	0.00	1.00	0.00
15.96	11.56	2.00	0.00	1.00	0.00	15.98	11.38	2.00	0.00	1.00	0.00
16.00	10.55	2.00	0.00	1.00	0.00	16.02	10.46	2.00	0.00	1.00	0.00
16.04	10.86	2.00	0.00	1.00	0.00	16.06	12.10	2.00	0.00	1.00	0.00
16.08	13.25	2.00	0.00	1.00	0.00	16.10	14.41	2.00	0.00	1.00	0.00
16.12	13.98	2.00	0.00	1.00	0.00	16.14	12.81	2.00	0.00	1.00	0.00
16.16	12.06	2.00	0.00	1.00	0.00	16.18	11.55	2.00	0.00	1.00	0.00
16.20	11.79	2.00	0.00	1.00	0.00	16.22	11.46	2.00	0.00	1.00	0.00
16.24	11.12	2.00	0.00	1.00	0.00	16.26	12.76	2.00	0.00	1.00	0.00
16.28	12.67	2.00	0.00	1.00	0.00	16.30	12.08	2.00	0.00	1.00	0.00
16.32	11.01	2.00	0.00	1.00	0.00	16.34	10.51	2.00	0.00	1.00	0.00
16.36	10.25	2.00	0.00	1.00	0.00	16.38	9.10	2.00	0.00	1.00	0.00
16.40	8.36	2.00	0.00	1.00	0.00	16.42	7.95	2.00	0.00	1.00	0.00
16.44	7.38	2.00	0.00	1.00	0.00	16.46	7.13	2.00	0.00	1.00	0.00
16.48	7.13	2.00	0.00	1.00	0.00	16.50	7.61	2.00	0.00	1.00	0.00
16.52	8.09	2.00	0.00	1.00	0.00	16.54	8.33	2.00	0.00	1.00	0.00
16.56	8.24	2.00	0.00	1.00	0.00	16.58	7.43	2.00	0.00	1.00	0.00
16.60	7.02	2.00	0.00	1.00	0.00	16.62	6.69	2.00	0.00	1.00	0.00
16.64	6.93	2.00	0.00	1.00	0.00	16.66	7.09	2.00	0.00	1.00	0.00
16.68	7.25	2.00	0.00	1.00	0.00	16.70	7.57	2.00	0.00	1.00	0.00
16.72	7.48	2.00	0.00	1.00	0.00	16.74	7.00	2.00	0.00	1.00	0.00
16.76	6.83	2.00	0.00	1.00	0.00	16.78	6.99	2.00	0.00	1.00	0.00
16.80	7.15	2.00	0.00	1.00	0.00	16.82	7.06	2.00	0.00	1.00	0.00
16.84	7.06	2.00	0.00	1.00	0.00	16.86	6.57	2.00	0.00	1.00	0.00
16.88	6.17	2.00	0.00	1.00	0.00	16.90	6.01	2.00	0.00	1.00	0.00
16.92	7.05	2.00	0.00	1.00	0.00	16.94	9.84	2.00	0.00	1.00	0.00
16.96	12.57	2.00	0.00	1.00	0.00	16.98	13.78	2.00	0.00	1.00	0.00
17.00	12.74	2.00	0.00	1.00	0.00	17.02	9.03	2.00	0.00	1.00	0.00
17.04	7.66	2.00	0.00	1.00	0.00	17.06	7.26	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	7.57	2.00	0.00	1.00	0.00	17.10	7.89	2.00	0.00	1.00	0.00
17.12	7.96	2.00	0.00	1.00	0.00	17.14	8.20	2.00	0.00	1.00	0.00
17.16	8.04	2.00	0.00	1.00	0.00	17.18	7.63	2.00	0.00	1.00	0.00
17.20	7.79	2.00	0.00	1.00	0.00	17.22	9.46	2.00	0.00	1.00	0.00
17.24	9.46	2.00	0.00	1.00	0.00	17.26	8.97	2.00	0.00	1.00	0.00
17.28	8.81	2.00	0.00	1.00	0.00	17.30	8.33	2.00	0.00	1.00	0.00
17.32	8.40	2.00	0.00	1.00	0.00	17.34	8.24	2.00	0.00	1.00	0.00
17.36	8.23	2.00	0.00	1.00	0.00	17.38	9.42	2.00	0.00	1.00	0.00
17.40	12.12	2.00	0.00	1.00	0.00	17.42	13.96	2.00	0.00	1.00	0.00
17.44	13.15	2.00	0.00	1.00	0.00	17.46	12.27	2.00	0.00	1.00	0.00
17.48	11.47	2.00	0.00	1.00	0.00	17.50	10.82	2.00	0.00	1.00	0.00
17.52	11.45	2.00	0.00	1.00	0.00	17.54	16.95	2.00	0.00	1.00	0.00
17.56	81.35	1.03	1.25	1.00	0.02	17.58	85.20	1.07	0.92	1.00	0.02
17.60	86.40	1.09	0.85	1.00	0.02	17.62	27.09	2.00	0.00	1.00	0.00
17.64	24.38	2.00	0.00	1.00	0.00	17.66	21.69	2.00	0.00	1.00	0.00
17.68	19.18	2.00	0.00	1.00	0.00	17.70	16.83	2.00	0.00	1.00	0.00
17.72	15.13	2.00	0.00	1.00	0.00	17.74	13.92	2.00	0.00	1.00	0.00
17.76	13.59	2.00	0.00	1.00	0.00	17.78	12.87	2.00	0.00	1.00	0.00
17.80	11.59	2.00	0.00	1.00	0.00	17.82	10.71	2.00	0.00	1.00	0.00
17.84	10.24	2.00	0.00	1.00	0.00	17.86	9.52	2.00	0.00	1.00	0.00
17.88	8.81	2.00	0.00	1.00	0.00	17.90	9.51	2.00	0.00	1.00	0.00
17.92	11.47	2.00	0.00	1.00	0.00	17.94	14.54	2.00	0.00	1.00	0.00
17.96	18.42	2.00	0.00	1.00	0.00	17.98	22.17	2.00	0.00	1.00	0.00
18.00	83.26	1.06	0.96	1.00	0.02	18.02	26.37	2.00	0.00	1.00	0.00
18.04	23.70	2.00	0.00	1.00	0.00	18.06	17.12	2.00	0.00	1.00	0.00
18.08	12.44	2.00	0.00	1.00	0.00	18.10	9.61	2.00	0.00	1.00	0.00
18.12	8.98	2.00	0.00	1.00	0.00	18.14	8.28	2.00	0.00	1.00	0.00
18.16	8.50	2.00	0.00	1.00	0.00	18.18	9.98	2.00	0.00	1.00	0.00
18.20	10.29	2.00	0.00	1.00	0.00	18.22	9.34	2.00	0.00	1.00	0.00
18.24	9.03	2.00	0.00	1.00	0.00	18.26	8.95	2.00	0.00	1.00	0.00
18.28	8.71	2.00	0.00	1.00	0.00	18.30	8.70	2.00	0.00	1.00	0.00
18.32	9.40	2.00	0.00	1.00	0.00	18.34	10.25	2.00	0.00	1.00	0.00
18.36	10.47	2.00	0.00	1.00	0.00	18.38	10.47	2.00	0.00	1.00	0.00
18.40	11.24	2.00	0.00	1.00	0.00	18.42	12.25	2.00	0.00	1.00	0.00
18.44	12.94	2.00	0.00	1.00	0.00	18.46	13.72	2.00	0.00	1.00	0.00
18.48	14.58	2.00	0.00	1.00	0.00	18.50	14.72	2.00	0.00	1.00	0.00
18.52	15.66	2.00	0.00	1.00	0.00	18.54	16.20	2.00	0.00	1.00	0.00
18.56	16.27	2.00	0.00	1.00	0.00	18.58	16.26	2.00	0.00	1.00	0.00
18.60	16.17	2.00	0.00	1.00	0.00	18.62	15.69	2.00	0.00	1.00	0.00
18.64	15.44	2.00	0.00	1.00	0.00	18.66	15.20	2.00	0.00	1.00	0.00
18.68	14.25	2.00	0.00	1.00	0.00	18.70	13.15	2.00	0.00	1.00	0.00
18.72	12.83	2.00	0.00	1.00	0.00	18.74	12.20	2.00	0.00	1.00	0.00
18.76	11.58	2.00	0.00	1.00	0.00	18.78	10.11	2.00	0.00	1.00	0.00
18.80	9.79	2.00	0.00	1.00	0.00	18.82	10.40	2.00	0.00	1.00	0.00
18.84	10.78	2.00	0.00	1.00	0.00	18.86	10.93	2.00	0.00	1.00	0.00
18.88	11.46	2.00	0.00	1.00	0.00	18.90	12.30	2.00	0.00	1.00	0.00
18.92	13.45	2.00	0.00	1.00	0.00	18.94	14.45	2.00	0.00	1.00	0.00
18.96	14.52	2.00	0.00	1.00	0.00	18.98	14.98	2.00	0.00	1.00	0.00
19.00	14.81	2.00	0.00	1.00	0.00	19.02	14.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	14.18	2.00	0.00	1.00	0.00	19.06	13.63	2.00	0.00	1.00	0.00
19.08	12.93	2.00	0.00	1.00	0.00	19.10	12.31	2.00	0.00	1.00	0.00
19.12	12.22	2.00	0.00	1.00	0.00	19.14	12.21	2.00	0.00	1.00	0.00
19.16	12.28	2.00	0.00	1.00	0.00	19.18	12.81	2.00	0.00	1.00	0.00
19.20	13.27	2.00	0.00	1.00	0.00	19.22	13.34	2.00	0.00	1.00	0.00
19.24	13.71	2.00	0.00	1.00	0.00	19.26	13.70	2.00	0.00	1.00	0.00
19.28	13.62	2.00	0.00	1.00	0.00	19.30	13.53	2.00	0.00	1.00	0.00
19.32	13.53	2.00	0.00	1.00	0.00	19.34	13.60	2.00	0.00	1.00	0.00
19.36	13.66	2.00	0.00	1.00	0.00	19.38	14.04	2.00	0.00	1.00	0.00
19.40	14.03	2.00	0.00	1.00	0.00	19.42	14.17	2.00	0.00	1.00	0.00
19.44	14.86	2.00	0.00	1.00	0.00	19.46	15.00	2.00	0.00	1.00	0.00
19.48	14.91	2.00	0.00	1.00	0.00	19.50	14.98	2.00	0.00	1.00	0.00
19.52	15.28	2.00	0.00	1.00	0.00	19.54	15.19	2.00	0.00	1.00	0.00
19.56	14.95	2.00	0.00	1.00	0.00	19.58	14.49	2.00	0.00	1.00	0.00
19.60	14.02	2.00	0.00	1.00	0.00	19.62	13.63	2.00	0.00	1.00	0.00
19.64	13.55	2.00	0.00	1.00	0.00	19.66	13.99	2.00	0.00	1.00	0.00
19.68	14.29	2.00	0.00	1.00	0.00	19.70	14.13	2.00	0.00	1.00	0.00
19.72	13.89	2.00	0.00	1.00	0.00	19.74	14.26	2.00	0.00	1.00	0.00
19.76	14.18	2.00	0.00	1.00	0.00	19.78	13.41	2.00	0.00	1.00	0.00
19.80	13.25	2.00	0.00	1.00	0.00	19.82	12.64	2.00	0.00	1.00	0.00
19.84	12.03	2.00	0.00	1.00	0.00	19.86	11.58	2.00	0.00	1.00	0.00
19.88	11.57	2.00	0.00	1.00	0.00	19.90	11.56	2.00	0.00	1.00	0.00
19.92	11.33	2.00	0.00	1.00	0.00	19.94	11.32	2.00	0.00	1.00	0.00
19.96	11.17	2.00	0.00	1.00	0.00	19.98	10.49	2.00	0.00	1.00	0.00
20.00	9.67	2.00	0.00	1.00	0.00						

Total estimated settlement: 6.32

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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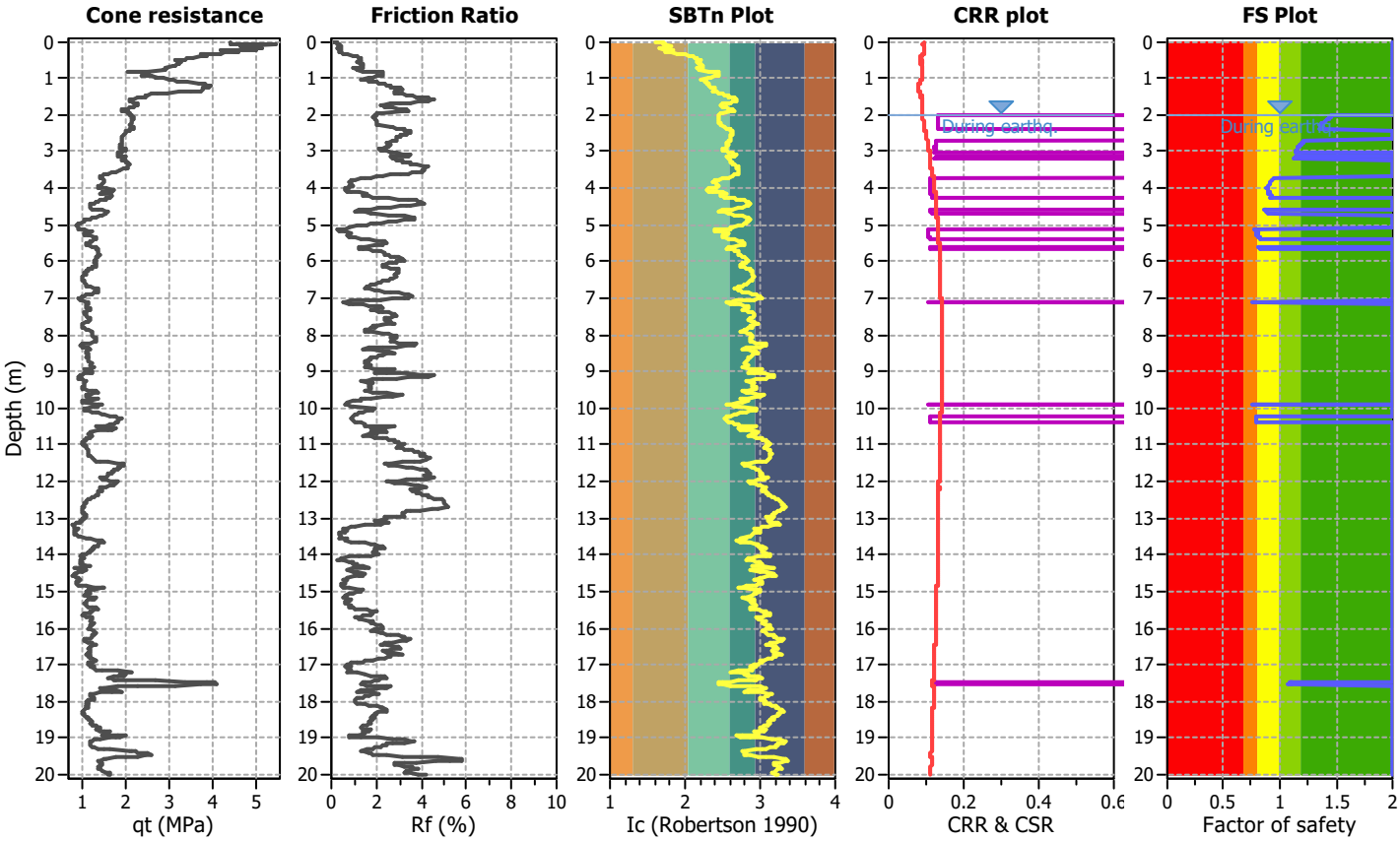
LIQUEFACTION ANALYSIS REPORT

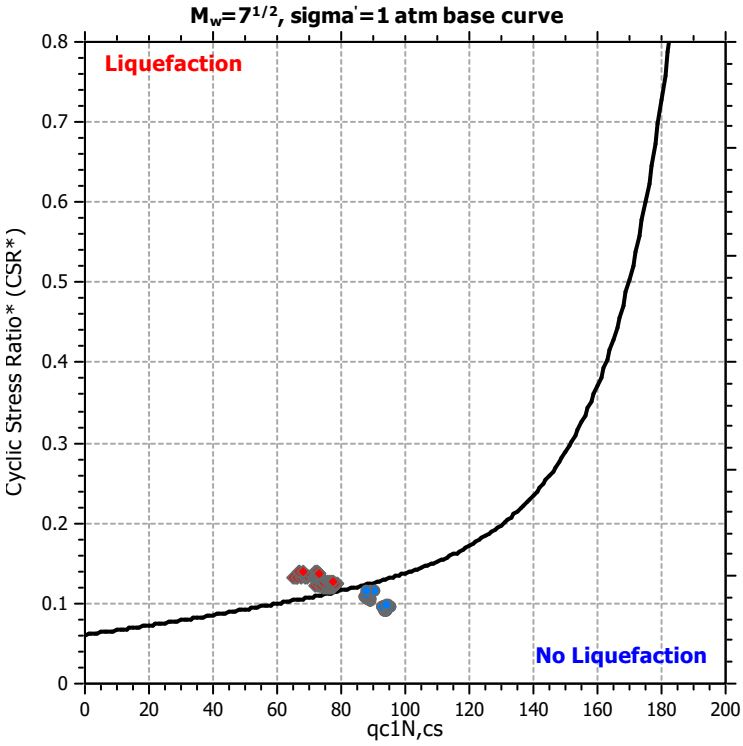
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

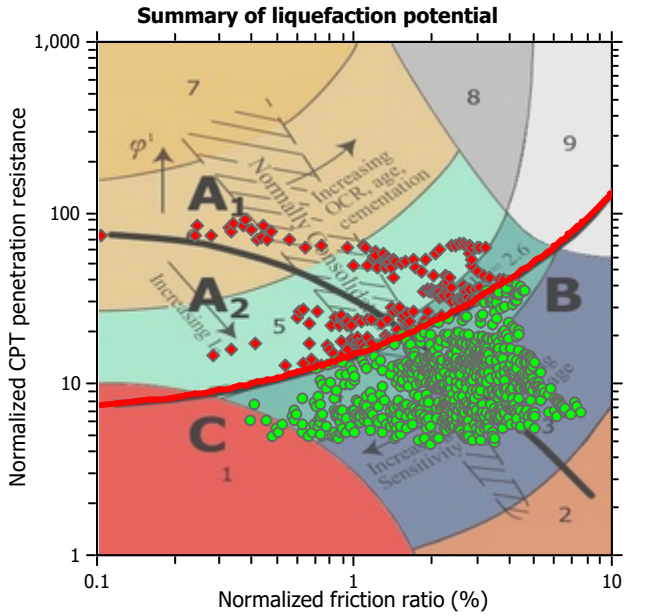
CPT file : P270

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

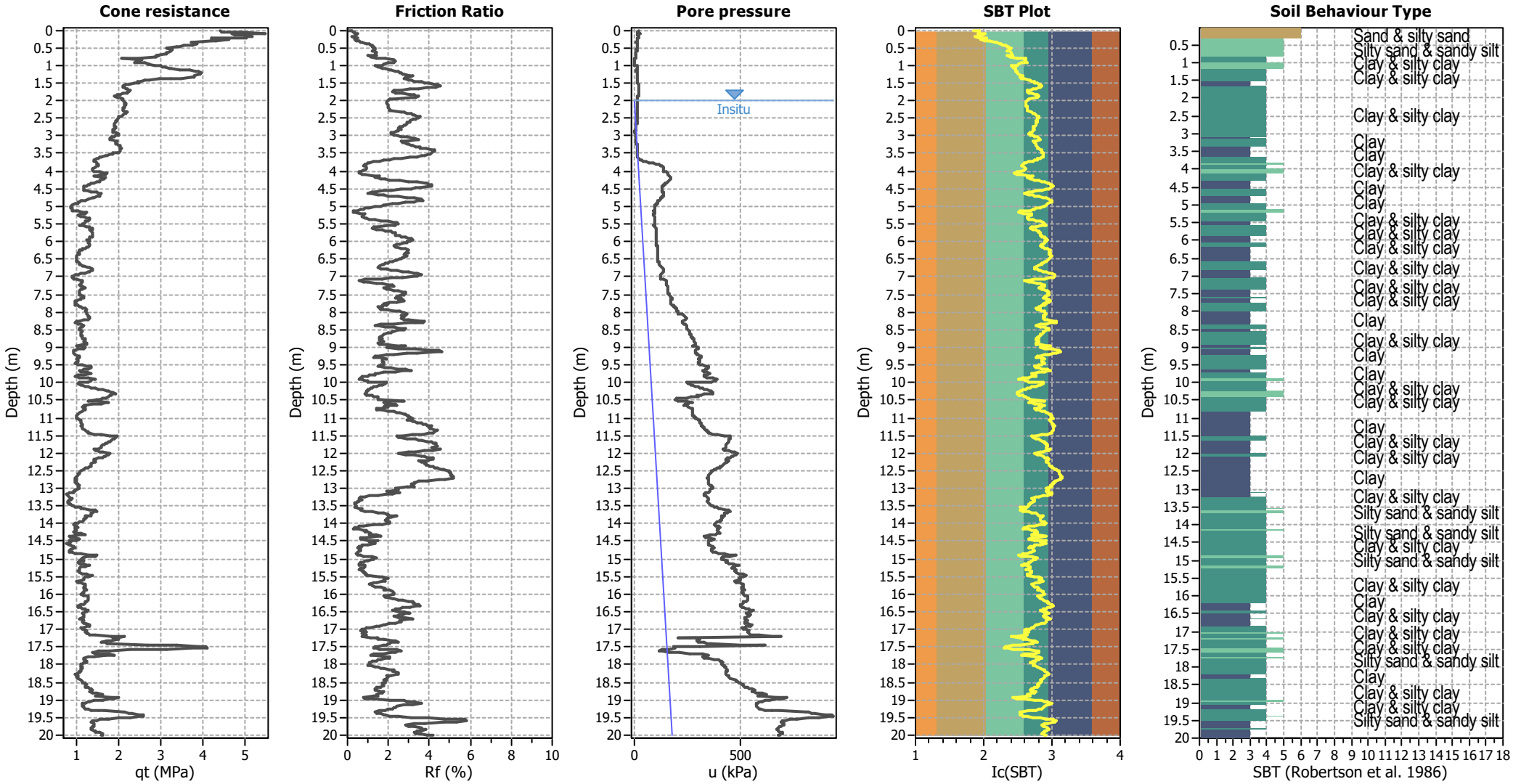






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



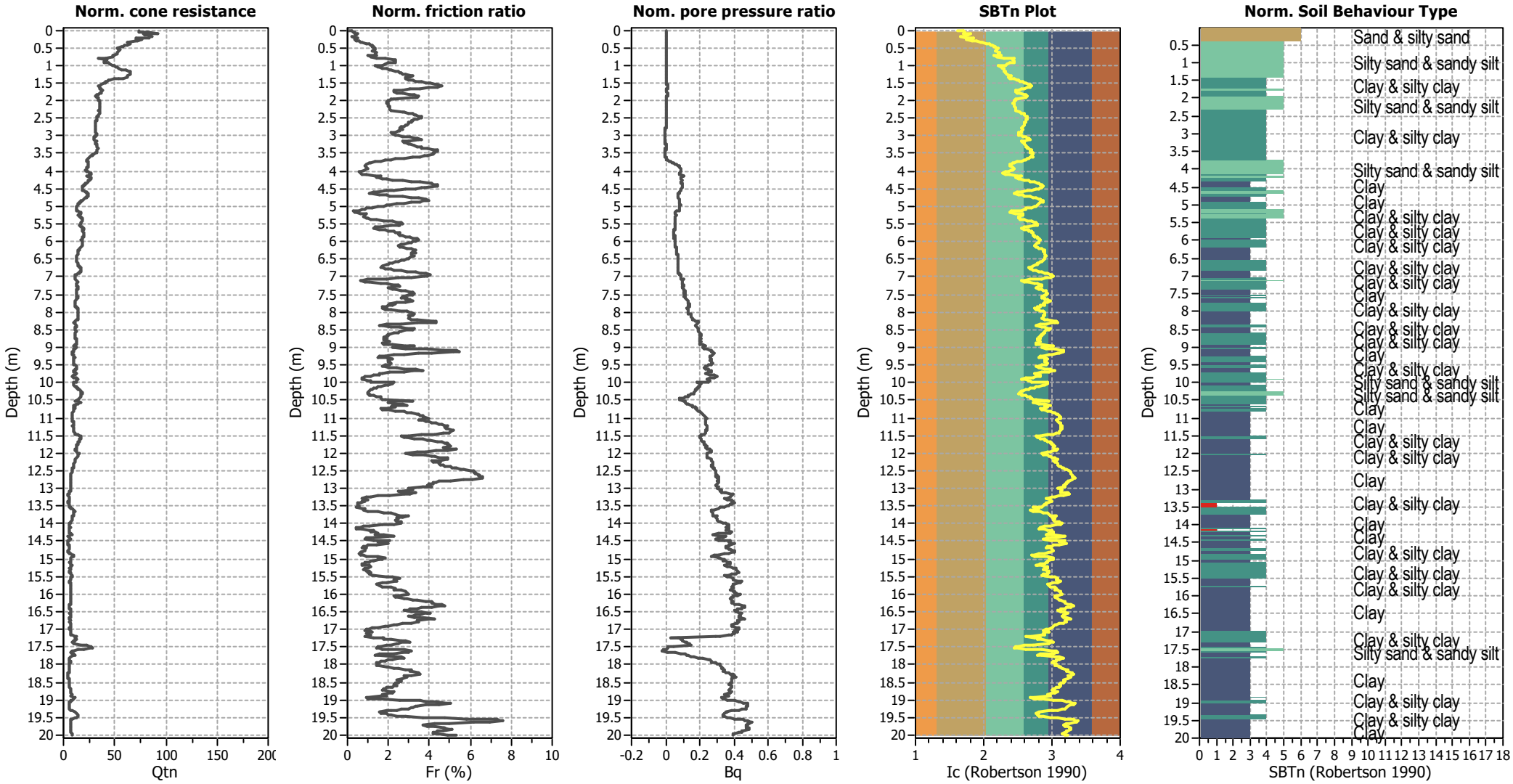
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



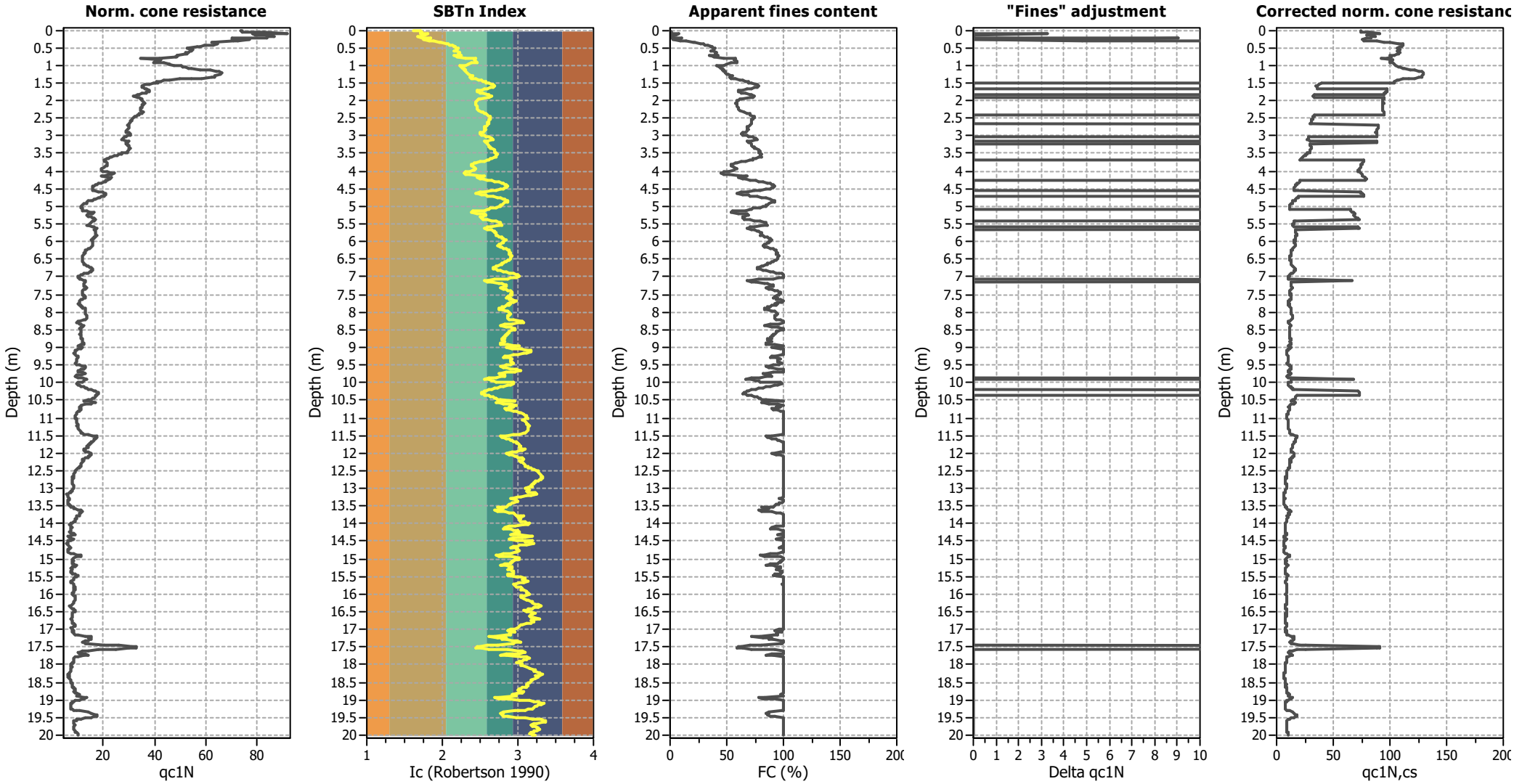
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

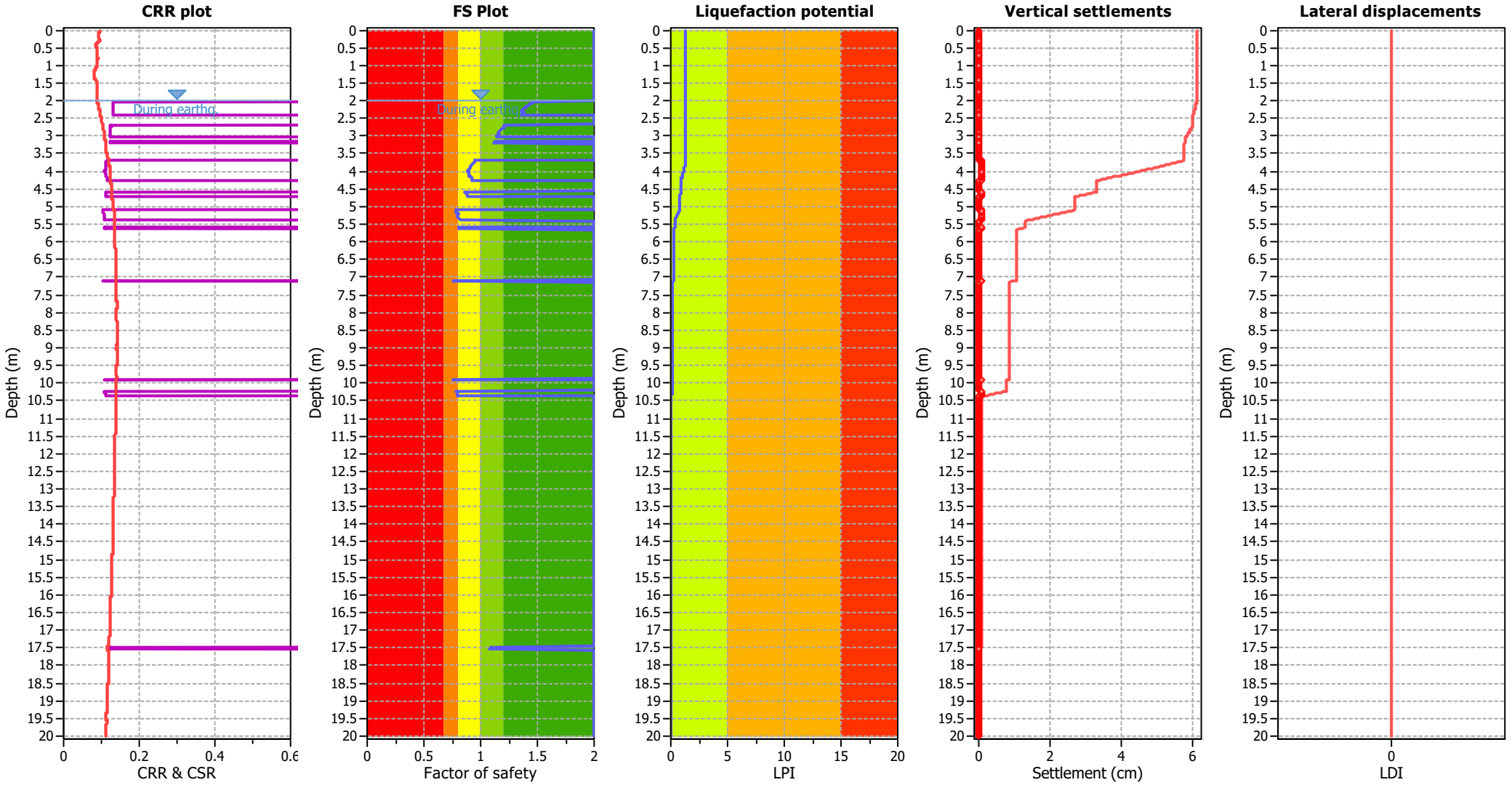
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

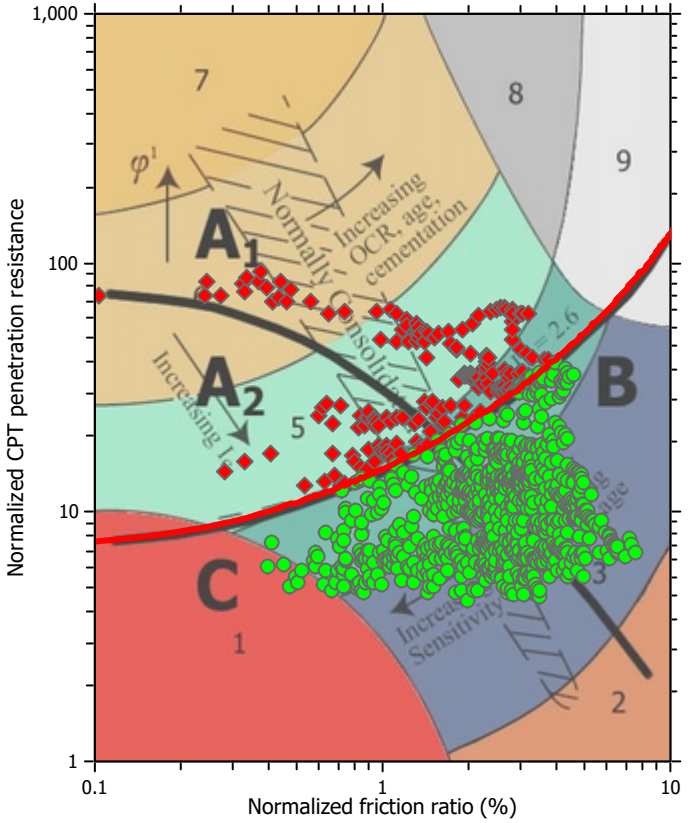
F.S. color scheme

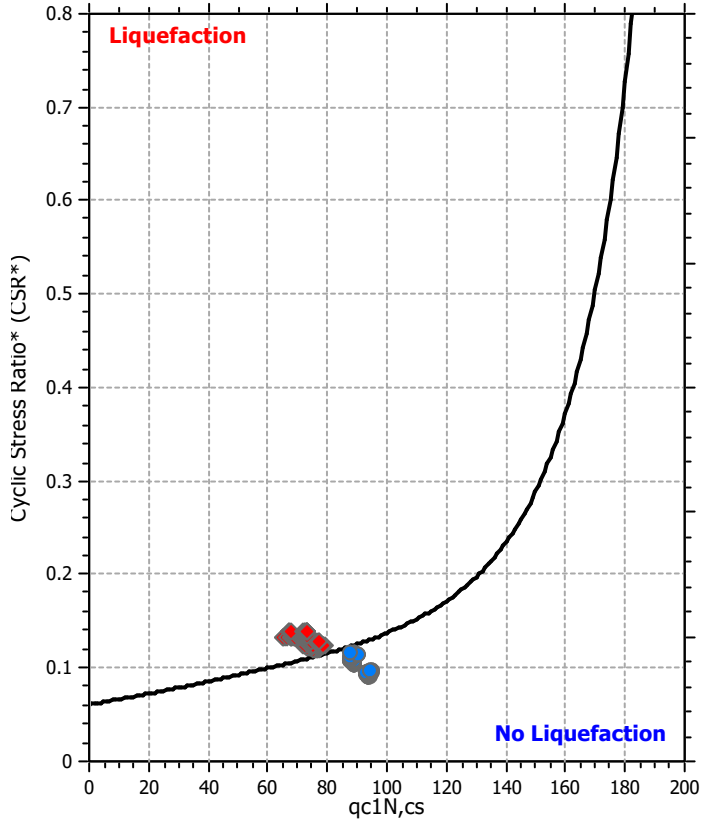
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

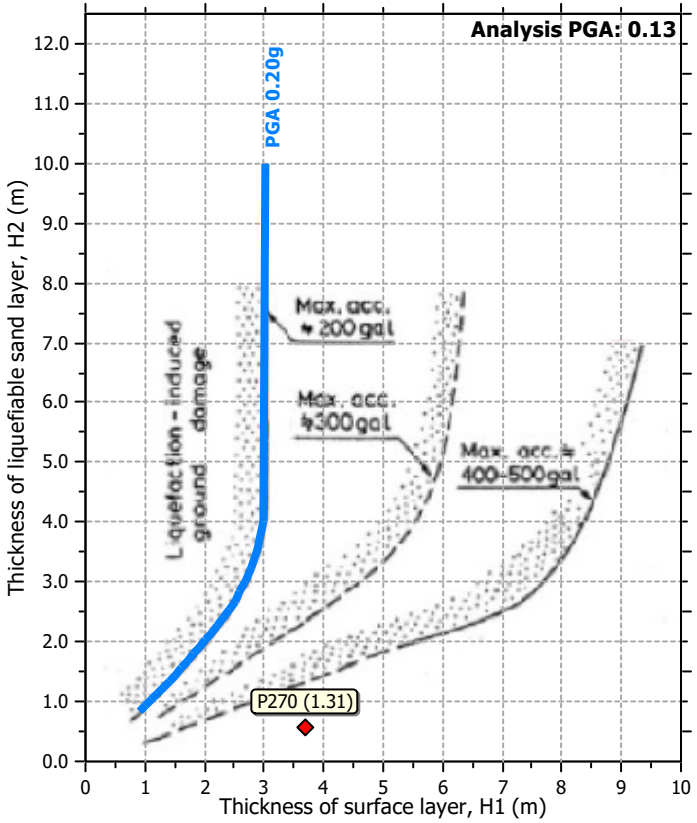
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



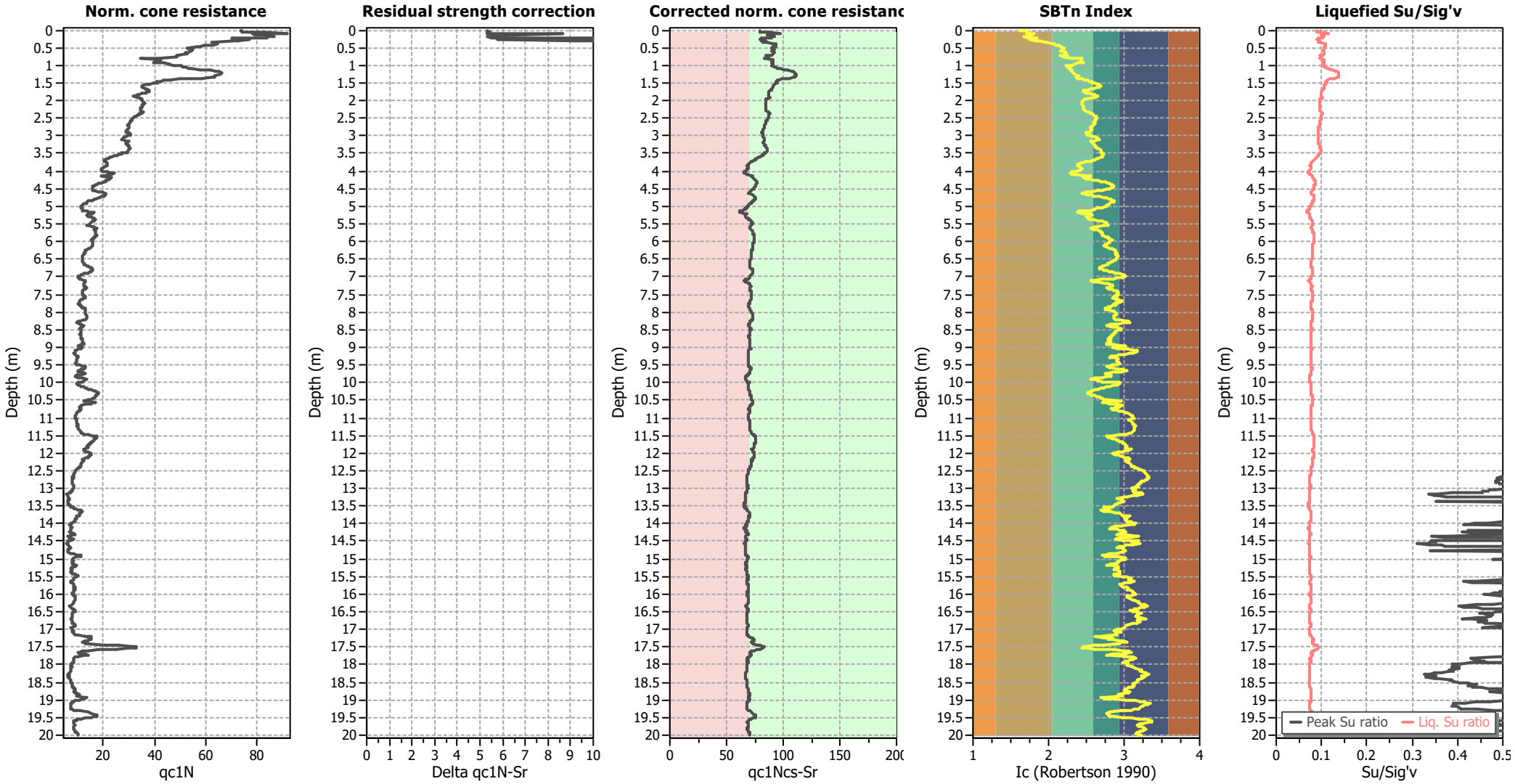




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.02	2.00	0.00	0.00	0.02	0.00	0.04	2.00	0.00	0.00	0.02	0.00
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.46	0.00	0.00	0.02	0.00	2.04	1.46	0.00	0.00	0.02	0.00
2.06	1.45	0.00	0.00	0.02	0.00	2.08	1.44	0.00	0.00	0.02	0.00
2.10	1.43	0.00	0.00	0.02	0.00	2.12	1.42	0.00	0.00	0.02	0.00
2.14	1.42	0.00	0.00	0.02	0.00	2.16	1.41	0.00	0.00	0.02	0.00
2.18	1.40	0.00	0.00	0.02	0.00	2.20	1.39	0.00	0.00	0.02	0.00
2.22	1.38	0.00	0.00	0.02	0.00	2.24	1.38	0.00	0.00	0.02	0.00
2.26	1.37	0.00	0.00	0.02	0.00	2.28	1.36	0.00	0.00	0.02	0.00
2.30	1.36	0.00	0.00	0.02	0.00	2.32	1.39	0.00	0.00	0.02	0.00
2.34	1.38	0.00	0.00	0.02	0.00	2.36	1.38	0.00	0.00	0.02	0.00
2.38	1.36	0.00	0.00	0.02	0.00	2.40	1.35	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	1.22	0.00	0.00	0.02	0.00
2.70	1.21	0.00	0.00	0.02	0.00	2.72	1.21	0.00	0.00	0.02	0.00
2.74	1.20	0.00	0.00	0.02	0.00	2.76	1.20	0.00	0.00	0.02	0.00
2.78	1.19	0.00	0.00	0.02	0.00	2.80	1.19	0.00	0.00	0.02	0.00
2.82	1.18	0.00	0.00	0.02	0.00	2.84	1.18	0.00	0.00	0.02	0.00
2.86	1.17	0.00	0.00	0.02	0.00	2.88	1.16	0.00	0.00	0.02	0.00
2.90	1.15	0.00	0.00	0.02	0.00	2.92	1.16	0.00	0.00	0.02	0.00
2.94	1.16	0.00	0.00	0.02	0.00	2.96	1.16	0.00	0.00	0.02	0.00
2.98	1.16	0.00	0.00	0.02	0.00	3.00	1.15	0.00	0.00	0.02	0.00
3.02	1.14	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	1.13	0.00	0.00	0.02	0.00
3.18	1.12	0.00	0.00	0.02	0.00	3.20	1.12	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	0.95	0.00	0.00	0.02	0.01	3.72	0.95	0.00	0.00	0.02	0.01
3.74	0.94	0.00	0.00	0.02	0.01	3.76	0.94	0.00	0.00	0.02	0.01
3.78	0.93	0.00	0.00	0.02	0.01	3.80	0.93	0.00	0.00	0.02	0.01
3.82	0.92	0.00	0.00	0.02	0.01	3.84	0.92	0.00	0.00	0.02	0.01
3.86	0.92	0.00	0.00	0.02	0.01	3.88	0.91	0.00	0.00	0.02	0.01
3.90	0.91	0.00	0.00	0.02	0.01	3.92	0.90	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.94	0.90	0.00	0.00	0.02	0.02	3.96	0.89	0.00	0.00	0.02	0.02
3.98	0.89	0.00	0.00	0.02	0.02	4.00	0.88	0.00	0.00	0.02	0.02
4.02	0.89	0.00	0.00	0.02	0.02	4.04	0.90	0.00	0.00	0.02	0.02
4.06	0.90	0.00	0.00	0.02	0.02	4.08	0.90	0.00	0.00	0.02	0.02
4.10	0.90	0.00	0.00	0.02	0.02	4.12	0.90	0.00	0.00	0.02	0.02
4.14	0.91	0.00	0.00	0.02	0.01	4.16	0.90	0.00	0.00	0.02	0.02
4.18	0.92	0.00	0.00	0.02	0.01	4.20	0.93	0.00	0.00	0.02	0.01
4.22	0.93	0.00	0.00	0.02	0.01	4.24	0.93	0.00	0.00	0.02	0.01
4.26	0.92	0.00	0.00	0.02	0.01	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	0.86	0.00	0.00	0.02	0.02	4.60	0.87	0.00	0.00	0.02	0.02
4.62	0.87	0.00	0.00	0.02	0.02	4.64	0.88	0.00	0.00	0.02	0.02
4.66	0.88	0.00	0.00	0.02	0.02	4.68	0.89	0.00	0.00	0.02	0.02
4.70	0.89	0.00	0.00	0.02	0.02	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	0.78	0.00	0.00	0.02	0.03	5.12	0.78	0.00	0.00	0.02	0.03
5.14	0.78	0.00	0.00	0.02	0.03	5.16	0.78	0.00	0.00	0.02	0.03
5.18	0.79	0.00	0.00	0.02	0.03	5.20	0.80	0.00	0.00	0.02	0.03
5.22	0.80	0.00	0.00	0.02	0.03	5.24	0.79	0.00	0.00	0.02	0.03
5.26	0.79	0.00	0.00	0.02	0.03	5.28	0.80	0.00	0.00	0.02	0.03
5.30	0.80	0.00	0.00	0.02	0.03	5.32	0.81	0.00	0.00	0.02	0.03
5.34	0.81	0.00	0.00	0.02	0.03	5.36	0.82	0.00	0.00	0.02	0.03
5.38	0.82	0.00	0.00	0.02	0.03	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	0.81	0.00	0.00	0.02	0.03
5.62	0.81	0.00	0.00	0.02	0.03	5.64	0.82	0.00	0.00	0.02	0.03
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	0.75	0.00	0.00	0.02	0.03	7.12	0.75	0.00	0.00	0.02	0.03
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	0.76	0.00	0.00	0.02	0.02	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	0.79	0.00	0.00	0.02	0.02	10.24	0.79	0.00	0.00	0.02	0.02
10.26	0.79	0.00	0.00	0.02	0.02	10.28	0.80	0.00	0.00	0.02	0.02
10.30	0.80	0.00	0.00	0.02	0.02	10.32	0.79	0.00	0.00	0.02	0.02
10.34	0.79	0.00	0.00	0.02	0.02	10.36	0.80	0.00	0.00	0.02	0.02
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.76	2.00	0.00	0.00	0.02	0.00
10.78	2.00	0.00	0.00	0.02	0.00	10.80	2.00	0.00	0.00	0.02	0.00
10.82	2.00	0.00	0.00	0.02	0.00	10.84	2.00	0.00	0.00	0.02	0.00
10.86	2.00	0.00	0.00	0.02	0.00	10.88	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.86	2.00	0.00	0.00	0.02	0.00	12.88	2.00	0.00	0.00	0.02	0.00
12.90	2.00	0.00	0.00	0.02	0.00	12.92	2.00	0.00	0.00	0.02	0.00
12.94	2.00	0.00	0.00	0.02	0.00	12.96	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	1.09	0.00	0.00	0.02	0.00
17.50	1.11	0.00	0.00	0.02	0.00	17.52	1.11	0.00	0.00	0.02	0.00
17.54	1.08	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	2.00	0.00	0.00	0.02	0.00
17.94	2.00	0.00	0.00	0.02	0.00	17.96	2.00	0.00	0.00	0.02	0.00
17.98	2.00	0.00	0.00	0.02	0.00	18.00	2.00	0.00	0.00	0.02	0.00
18.02	2.00	0.00	0.00	0.02	0.00	18.04	2.00	0.00	0.00	0.02	0.00
18.06	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	2.00	0.00	0.00	0.02	0.00	18.32	2.00	0.00	0.00	0.02	0.00
18.34	2.00	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	2.00	0.00	0.00	0.02	0.00
18.42	2.00	0.00	0.00	0.02	0.00	18.44	2.00	0.00	0.00	0.02	0.00
18.46	2.00	0.00	0.00	0.02	0.00	18.48	2.00	0.00	0.00	0.02	0.00
18.50	2.00	0.00	0.00	0.02	0.00	18.52	2.00	0.00	0.00	0.02	0.00
18.54	2.00	0.00	0.00	0.02	0.00	18.56	2.00	0.00	0.00	0.02	0.00
18.58	2.00	0.00	0.00	0.02	0.00	18.60	2.00	0.00	0.00	0.02	0.00
18.62	2.00	0.00	0.00	0.02	0.00	18.64	2.00	0.00	0.00	0.02	0.00
18.66	2.00	0.00	0.00	0.02	0.00	18.68	2.00	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00
18.78	2.00	0.00	0.00	0.02	0.00	18.80	2.00	0.00	0.00	0.02	0.00
18.82	2.00	0.00	0.00	0.02	0.00	18.84	2.00	0.00	0.00	0.02	0.00
18.86	2.00	0.00	0.00	0.02	0.00	18.88	2.00	0.00	0.00	0.02	0.00
18.90	2.00	0.00	0.00	0.02	0.00	18.92	2.00	0.00	0.00	0.02	0.00
18.94	2.00	0.00	0.00	0.02	0.00	18.96	2.00	0.00	0.00	0.02	0.00
18.98	2.00	0.00	0.00	0.02	0.00	19.00	2.00	0.00	0.00	0.02	0.00
19.02	2.00	0.00	0.00	0.02	0.00	19.04	2.00	0.00	0.00	0.02	0.00
19.06	2.00	0.00	0.00	0.02	0.00	19.08	2.00	0.00	0.00	0.02	0.00
19.10	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00
19.94	2.00	0.00	0.00	0.02	0.00	19.96	2.00	0.00	0.00	0.02	0.00
19.98	2.00	0.00	0.00	0.02	0.00	20.00	2.00	0.00	0.00	0.02	0.00

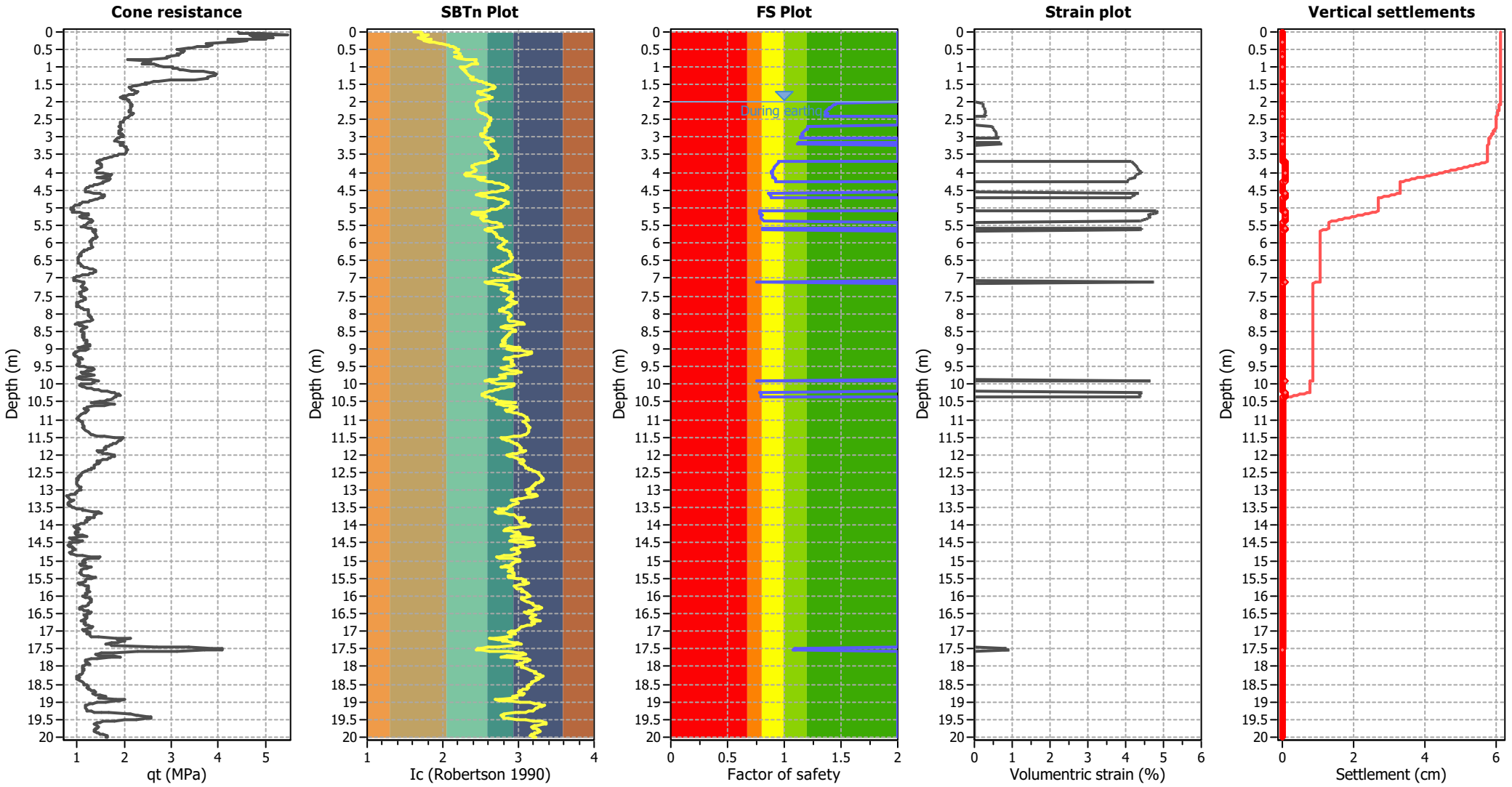
Overall liquefaction potential: 1.31

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.02	1.62	74.10	1.00	74.10	13	30810	0.09	0.000	0.00	3.58	0.00	0.000
0.04	1.71	73.91	1.00	73.91	14	34630	0.10	0.000	0.00	3.58	0.00	0.000
0.06	1.73	74.40	1.00	74.40	14	35665	0.09	0.000	0.00	3.58	0.00	0.000
0.08	1.72	82.47	1.00	82.47	15	39016	0.09	0.000	0.00	3.58	0.00	0.000
0.10	1.70	91.72	1.00	91.72	17	42588	0.09	0.000	0.00	3.58	0.00	0.000
0.12	1.82	78.24	1.00	78.24	15	41822	0.09	0.000	0.00	3.58	0.00	0.000
0.14	1.77	79.40	1.00	79.40	15	40042	0.09	0.001	0.00	3.58	0.00	0.000
0.16	1.77	84.28	1.00	84.28	16	42609	0.09	0.001	0.00	3.58	0.00	0.000
0.18	1.71	86.63	1.00	86.63	16	40284	0.09	0.001	0.00	3.58	0.00	0.000
0.20	1.66	83.60	1.00	83.60	15	36860	0.09	0.001	0.00	3.58	0.00	0.000
0.22	1.74	83.93	1.00	83.93	16	40561	0.09	0.001	0.00	3.58	0.00	0.000
0.24	1.85	70.30	1.00	70.30	14	39168	0.09	0.001	0.00	3.58	0.00	0.000
0.26	1.83	70.30	1.00	70.30	14	38143	0.09	0.001	0.00	3.58	0.00	0.000
0.28	1.75	77.17	1.00	77.17	15	37821	0.09	0.001	0.00	3.58	0.00	0.000
0.30	1.83	72.14	1.00	72.14	14	39066	0.09	0.001	0.00	3.58	0.00	0.000
0.32	1.89	70.61	1.23	86.78	17	41380	0.09	0.001	0.00	3.58	0.00	0.000
0.34	1.97	62.37	1.28	79.93	16	40360	0.09	0.001	0.00	3.58	0.00	0.000
0.36	1.99	64.22	1.30	83.35	17	42731	0.09	0.001	0.00	3.58	0.00	0.000
0.38	2.05	63.56	1.36	86.25	18	45830	0.09	0.001	0.00	3.58	0.00	0.000
0.40	2.08	64.57	1.39	89.70	19	48165	0.09	0.001	0.00	3.58	0.00	0.000
0.42	2.10	62.89	1.41	88.94	19	48001	0.09	0.001	0.00	3.58	0.00	0.000
0.44	2.14	59.52	1.48	88.00	19	47772	0.09	0.001	0.00	3.58	0.00	0.000
0.46	2.17	57.51	1.55	88.87	20	48177	0.09	0.001	0.00	3.58	0.00	0.000
0.48	2.16	56.32	1.52	85.62	19	46468	0.09	0.002	0.00	3.58	0.00	0.000
0.50	2.20	52.62	1.61	84.79	19	45708	0.09	0.002	0.00	3.58	0.00	0.000
0.52	2.21	52.43	1.64	85.90	19	46164	0.09	0.002	0.00	3.58	0.00	0.000
0.54	2.19	54.09	1.60	86.61	19	46738	0.09	0.002	0.00	3.58	0.00	0.000
0.56	2.19	54.95	1.59	87.53	20	47274	0.09	0.002	0.00	3.58	0.00	0.000
0.58	2.16	54.27	1.53	82.97	18	45014	0.09	0.002	0.00	3.58	0.00	0.000
0.60	2.19	53.91	1.59	85.96	19	46417	0.09	0.002	0.00	3.58	0.00	0.000
0.62	2.22	53.05	1.67	88.61	20	47422	0.09	0.002	0.00	3.58	0.00	0.000
0.64	2.23	52.19	1.70	88.54	20	47207	0.09	0.002	0.00	3.58	0.00	0.000
0.66	2.21	52.52	1.64	86.30	20	46351	0.09	0.002	0.00	3.58	0.00	0.000
0.68	2.21	52.02	1.64	85.22	19	45796	0.09	0.002	0.00	3.58	0.00	0.000
0.70	2.25	48.48	1.75	84.62	19	44780	0.09	0.002	0.00	3.58	0.00	0.000
0.72	2.23	48.48	1.70	82.37	19	43903	0.09	0.003	0.00	3.58	0.00	0.000
0.74	2.15	49.31	1.51	74.30	16	40336	0.09	0.003	0.00	3.58	0.00	0.000
0.76	2.22	47.97	1.66	79.43	18	42592	0.09	0.003	0.00	3.58	0.00	0.000
0.78	2.19	48.64	1.59	77.26	17	41747	0.09	0.003	0.00	3.58	0.00	0.000
0.80	2.30	41.57	1.94	80.63	19	41249	0.09	0.003	0.00	3.58	0.00	0.000
0.82	2.44	34.34	2.59	88.87	22	40407	0.09	0.003	0.00	3.58	0.00	0.000
0.84	2.42	42.55	2.51	106.71	27	49191	0.09	0.003	0.00	3.58	0.00	0.000
0.86	2.43	42.04	2.55	107.20	27	49057	0.09	0.003	0.00	3.58	0.00	0.000
0.88	2.44	41.52	2.59	107.71	27	48922	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.45	40.01	2.63	105.35	26	47533	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.45	39.50	2.68	105.88	27	47396	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.38	43.52	2.29	99.55	24	47737	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.34	45.37	2.09	94.70	23	47128	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.34	45.03	2.09	94.27	23	46862	0.09	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.00	2.31	47.53	1.96	93.17	22	47479	0.09	0.003	0.00	3.58	0.00	0.000
1.02	2.22	50.28	1.67	84.14	19	45009	0.09	0.004	0.00	3.58	0.00	0.000
1.04	2.25	50.60	1.77	89.36	21	47134	0.09	0.004	0.00	3.58	0.00	0.000
1.06	2.25	51.94	1.77	91.73	21	48382	0.09	0.003	0.00	3.58	0.00	0.000
1.08	2.27	53.27	1.81	96.16	22	50390	0.09	0.003	0.00	3.58	0.00	0.000
1.10	2.29	53.94	1.90	102.40	24	52780	0.08	0.003	0.00	3.58	0.00	0.000
1.12	2.30	57.28	1.92	110.22	26	56542	0.08	0.003	0.00	3.58	0.00	0.000
1.14	2.29	61.29	1.89	115.62	27	59726	0.08	0.003	0.00	3.58	0.00	0.000
1.16	2.31	63.80	1.94	124.03	29	63399	0.08	0.003	0.00	3.58	0.00	0.000
1.18	2.31	64.98	1.98	128.50	30	65275	0.08	0.003	0.00	3.58	0.00	0.000
1.20	2.32	65.81	2.01	132.15	31	66751	0.08	0.003	0.00	3.58	0.00	0.000
1.22	2.33	65.81	2.04	133.95	32	67312	0.08	0.003	0.00	3.58	0.00	0.000
1.24	2.34	65.30	2.07	135.31	32	67532	0.08	0.003	0.00	3.58	0.00	0.000
1.26	2.35	65.12	2.13	138.99	33	68566	0.08	0.003	0.00	3.58	0.00	0.000
1.28	2.39	62.94	2.32	146.28	36	69677	0.08	0.003	0.00	3.58	0.00	0.000
1.30	2.40	62.93	2.39	150.60	37	70846	0.08	0.003	0.00	3.58	0.00	0.000
1.32	2.38	63.09	2.29	144.54	35	69265	0.08	0.003	0.00	3.58	0.00	0.000
1.34	2.37	62.08	2.22	137.82	33	66915	0.08	0.003	0.00	3.58	0.00	0.000
1.36	2.39	58.22	2.30	134.12	33	64121	0.08	0.003	0.00	3.58	0.00	0.000
1.38	2.41	54.02	2.44	131.93	33	61523	0.08	0.004	0.00	3.58	0.00	0.000
1.40	2.44	49.49	2.59	128.14	32	58249	0.08	0.004	0.00	3.58	0.00	0.000
1.42	2.48	45.30	2.87	129.78	33	56391	0.09	0.004	0.00	3.58	0.00	0.000
1.44	2.51	43.45	3.07	133.27	35	56156	0.09	0.004	0.00	3.58	0.00	0.000
1.46	2.54	41.93	3.26	136.67	36	56028	0.09	0.004	0.00	3.58	0.00	0.000
1.48	2.58	40.59	3.56	144.51	39	56923	0.09	0.004	0.00	3.58	0.00	0.000
1.50	2.59	41.07	3.63	149.01	40	58199	0.09	0.004	0.00	3.58	0.00	0.000
1.52	2.62	39.40	3.89	153.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	2.65	37.39	4.25	158.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.67	36.22	4.41	159.84	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.69	35.04	4.64	162.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.69	34.70	4.60	159.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.68	35.02	4.49	157.13	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.64	35.36	4.14	146.48	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.60	36.02	3.80	136.69	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.56	36.51	3.43	125.25	33	50170	0.09	0.006	0.00	3.58	0.00	0.000
1.70	2.51	37.34	3.07	114.46	30	48245	0.09	0.006	0.00	3.58	0.00	0.000
1.72	2.47	37.84	2.76	104.38	26	46134	0.09	0.006	0.00	3.58	0.00	0.000
1.74	2.46	37.33	2.73	102.07	26	45294	0.09	0.006	0.00	3.58	0.00	0.000
1.76	2.48	36.65	2.81	103.13	26	45179	0.09	0.007	0.00	3.58	0.00	0.000
1.78	2.49	36.32	2.92	106.01	27	45678	0.09	0.007	0.00	3.58	0.00	0.000
1.80	2.54	34.80	3.28	114.10	30	46652	0.09	0.006	0.00	3.58	0.00	0.000
1.82	2.59	33.45	3.65	122.06	33	47551	0.09	0.006	0.00	3.58	0.00	0.000
1.84	2.61	32.77	3.88	127.19	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.86	2.64	31.76	4.08	129.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.65	31.56	4.16	131.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.62	32.73	3.95	129.30	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.60	33.57	3.73	125.11	34	48275	0.09	0.007	0.00	3.58	0.00	0.000
1.94	2.49	34.72	2.94	101.95	26	43813	0.09	0.007	0.01	3.58	0.00	0.000
1.96	2.48	34.04	2.82	96.00	24	42011	0.09	0.008	0.01	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.98	2.47	34.54	2.75	94.97	24	42034	0.09	0.008	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	93.92	2.00	0.00	1.00	0.00	2.02	94.10	1.46	0.21	1.00	0.00
2.04	94.16	1.46	0.21	1.00	0.00	2.06	94.32	1.45	0.22	1.00	0.00
2.08	93.97	1.44	0.23	1.00	0.00	2.10	94.00	1.43	0.23	1.00	0.00
2.12	93.78	1.42	0.24	1.00	0.00	2.14	94.22	1.42	0.24	1.00	0.00
2.16	93.82	1.41	0.25	1.00	0.00	2.18	93.63	1.40	0.26	1.00	0.01
2.20	93.59	1.39	0.26	1.00	0.01	2.22	93.33	1.38	0.27	1.00	0.01
2.24	93.30	1.38	0.28	1.00	0.01	2.26	93.12	1.37	0.28	1.00	0.01
2.28	92.98	1.36	0.29	1.00	0.01	2.30	93.10	1.36	0.29	1.00	0.01
2.32	95.47	1.39	0.28	1.00	0.01	2.34	95.37	1.38	0.28	1.00	0.01
2.36	95.41	1.38	0.29	1.00	0.01	2.38	94.93	1.36	0.30	1.00	0.01
2.40	94.60	1.35	0.31	1.00	0.01	2.42	33.59	2.00	0.00	1.00	0.00
2.44	33.07	2.00	0.00	1.00	0.00	2.46	32.10	2.00	0.00	1.00	0.00
2.48	32.04	2.00	0.00	1.00	0.00	2.50	31.98	2.00	0.00	1.00	0.00
2.52	31.48	2.00	0.00	1.00	0.00	2.54	31.29	2.00	0.00	1.00	0.00
2.56	31.23	2.00	0.00	1.00	0.00	2.58	30.58	2.00	0.00	1.00	0.00
2.60	30.52	2.00	0.00	1.00	0.00	2.62	30.48	2.00	0.00	1.00	0.00
2.64	30.12	2.00	0.00	1.00	0.00	2.66	30.22	2.00	0.00	1.00	0.00
2.68	89.55	1.22	0.46	1.00	0.01	2.70	89.21	1.21	0.48	1.00	0.01
2.72	89.33	1.21	0.48	1.00	0.01	2.74	89.25	1.20	0.49	1.00	0.01
2.76	89.25	1.20	0.50	1.00	0.01	2.78	89.12	1.19	0.51	1.00	0.01
2.80	89.12	1.19	0.52	1.00	0.01	2.82	88.38	1.18	0.54	1.00	0.01
2.84	88.50	1.18	0.55	1.00	0.01	2.86	88.03	1.17	0.57	1.00	0.01
2.88	87.93	1.16	0.58	1.00	0.01	2.90	87.62	1.15	0.59	1.00	0.01
2.92	88.06	1.16	0.59	1.00	0.01	2.94	88.81	1.16	0.58	1.00	0.01
2.96	88.84	1.16	0.59	1.00	0.01	2.98	88.98	1.16	0.59	1.00	0.01
3.00	88.17	1.15	0.62	1.00	0.01	3.02	87.89	1.14	0.64	1.00	0.01
3.04	28.19	2.00	0.00	1.00	0.00	3.06	27.84	2.00	0.00	1.00	0.00
3.08	27.64	2.00	0.00	1.00	0.00	3.10	27.43	2.00	0.00	1.00	0.00
3.12	27.82	2.00	0.00	1.00	0.00	3.14	29.08	2.00	0.00	1.00	0.00
3.16	88.82	1.13	0.68	1.00	0.01	3.18	88.42	1.12	0.70	1.00	0.01
3.20	88.04	1.12	0.72	1.00	0.01	3.22	28.88	2.00	0.00	1.00	0.00
3.24	29.53	2.00	0.00	1.00	0.00	3.26	29.75	2.00	0.00	1.00	0.00
3.28	30.12	2.00	0.00	1.00	0.00	3.30	30.20	2.00	0.00	1.00	0.00
3.32	30.13	2.00	0.00	1.00	0.00	3.34	30.63	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.36	30.29	2.00	0.00	1.00	0.00	3.38	30.08	2.00	0.00	1.00	0.00
3.40	30.02	2.00	0.00	1.00	0.00	3.42	29.83	2.00	0.00	1.00	0.00
3.44	29.78	2.00	0.00	1.00	0.00	3.46	29.32	2.00	0.00	1.00	0.00
3.48	28.71	2.00	0.00	1.00	0.00	3.50	27.56	2.00	0.00	1.00	0.00
3.52	27.10	2.00	0.00	1.00	0.00	3.54	26.08	2.00	0.00	1.00	0.00
3.56	25.49	2.00	0.00	1.00	0.00	3.58	24.62	2.00	0.00	1.00	0.00
3.60	23.47	2.00	0.00	1.00	0.00	3.62	22.89	2.00	0.00	1.00	0.00
3.64	22.17	2.00	0.00	1.00	0.00	3.66	21.59	2.00	0.00	1.00	0.00
3.68	20.73	2.00	0.00	1.00	0.00	3.70	77.36	0.95	4.14	1.00	0.08
3.72	76.63	0.95	4.18	1.00	0.08	3.74	76.52	0.94	4.18	1.00	0.08
3.76	75.95	0.94	4.21	1.00	0.08	3.78	75.54	0.93	4.23	1.00	0.08
3.80	75.02	0.93	4.26	1.00	0.09	3.82	74.68	0.92	4.28	1.00	0.09
3.84	74.36	0.92	4.30	1.00	0.09	3.86	74.44	0.92	4.29	1.00	0.09
3.88	74.24	0.91	4.31	1.00	0.09	3.90	74.00	0.91	4.32	1.00	0.09
3.92	73.50	0.90	4.35	1.00	0.09	3.94	73.19	0.90	4.36	1.00	0.09
3.96	72.83	0.89	4.38	1.00	0.09	3.98	72.41	0.89	4.41	1.00	0.09
4.00	71.96	0.88	4.43	1.00	0.09	4.02	72.64	0.89	4.39	1.00	0.09
4.04	73.95	0.90	4.32	1.00	0.09	4.06	74.74	0.90	4.28	1.00	0.09
4.08	75.00	0.90	4.26	1.00	0.09	4.10	75.15	0.90	4.26	1.00	0.09
4.12	75.34	0.90	4.25	1.00	0.08	4.14	75.74	0.91	4.22	1.00	0.08
4.16	75.23	0.90	4.25	1.00	0.09	4.18	77.59	0.92	4.13	1.00	0.08
4.20	78.42	0.93	4.09	1.00	0.08	4.22	78.70	0.93	4.07	1.00	0.08
4.24	79.01	0.93	4.06	1.00	0.08	4.26	78.35	0.92	4.09	1.00	0.08
4.28	21.11	2.00	0.00	1.00	0.00	4.30	21.06	2.00	0.00	1.00	0.00
4.32	20.34	2.00	0.00	1.00	0.00	4.34	19.35	2.00	0.00	1.00	0.00
4.36	18.51	2.00	0.00	1.00	0.00	4.38	17.80	2.00	0.00	1.00	0.00
4.40	17.23	2.00	0.00	1.00	0.00	4.42	16.66	2.00	0.00	1.00	0.00
4.44	16.09	2.00	0.00	1.00	0.00	4.46	15.94	2.00	0.00	1.00	0.00
4.48	15.78	2.00	0.00	1.00	0.00	4.50	15.77	2.00	0.00	1.00	0.00
4.52	15.89	2.00	0.00	1.00	0.00	4.54	15.88	2.00	0.00	1.00	0.00
4.56	16.69	2.00	0.00	1.00	0.00	4.58	73.59	0.86	4.34	1.00	0.09
4.60	74.68	0.87	4.28	1.00	0.09	4.62	74.57	0.87	4.29	1.00	0.09
4.64	75.65	0.88	4.23	1.00	0.08	4.66	76.49	0.88	4.18	1.00	0.08
4.68	76.91	0.89	4.16	1.00	0.08	4.70	77.20	0.89	4.15	1.00	0.08
4.72	19.54	2.00	0.00	1.00	0.00	4.74	18.84	2.00	0.00	1.00	0.00
4.76	18.40	2.00	0.00	1.00	0.00	4.78	17.18	2.00	0.00	1.00	0.00
4.80	16.76	2.00	0.00	1.00	0.00	4.82	16.07	2.00	0.00	1.00	0.00
4.84	15.25	2.00	0.00	1.00	0.00	4.86	14.57	2.00	0.00	1.00	0.00
4.88	14.02	2.00	0.00	1.00	0.00	4.90	13.88	2.00	0.00	1.00	0.00
4.92	13.60	2.00	0.00	1.00	0.00	4.94	12.66	2.00	0.00	1.00	0.00
4.96	12.11	2.00	0.00	1.00	0.00	4.98	11.97	2.00	0.00	1.00	0.00
5.00	11.56	2.00	0.00	1.00	0.00	5.02	11.42	2.00	0.00	1.00	0.00
5.04	11.41	2.00	0.00	1.00	0.00	5.06	12.08	2.00	0.00	1.00	0.00
5.08	12.07	2.00	0.00	1.00	0.00	5.10	65.94	0.78	4.81	1.00	0.10
5.12	65.31	0.78	4.85	1.00	0.10	5.14	65.22	0.78	4.85	1.00	0.10
5.16	66.31	0.78	4.78	1.00	0.10	5.18	67.80	0.79	4.69	1.00	0.09
5.20	69.24	0.80	4.60	1.00	0.09	5.22	68.99	0.80	4.61	1.00	0.09
5.24	68.00	0.79	4.67	1.00	0.09	5.26	68.06	0.79	4.67	1.00	0.09
5.28	68.64	0.80	4.63	1.00	0.09	5.30	69.33	0.80	4.59	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.32	70.41	0.81	4.52	1.00	0.09	5.34	71.40	0.81	4.47	1.00	0.09
5.36	71.92	0.82	4.44	1.00	0.09	5.38	72.52	0.82	4.40	1.00	0.09
5.40	16.50	2.00	0.00	1.00	0.00	5.42	15.82	2.00	0.00	1.00	0.00
5.44	15.41	2.00	0.00	1.00	0.00	5.46	15.39	2.00	0.00	1.00	0.00
5.48	15.11	2.00	0.00	1.00	0.00	5.50	14.71	2.00	0.00	1.00	0.00
5.52	14.18	2.00	0.00	1.00	0.00	5.54	13.90	2.00	0.00	1.00	0.00
5.56	14.53	2.00	0.00	1.00	0.00	5.58	15.81	2.00	0.00	1.00	0.00
5.60	72.10	0.81	4.43	1.00	0.09	5.62	72.40	0.81	4.41	1.00	0.09
5.64	72.90	0.82	4.38	1.00	0.09	5.66	17.39	2.00	0.00	1.00	0.00
5.68	16.85	2.00	0.00	1.00	0.00	5.70	17.08	2.00	0.00	1.00	0.00
5.72	17.05	2.00	0.00	1.00	0.00	5.74	17.28	2.00	0.00	1.00	0.00
5.76	17.25	2.00	0.00	1.00	0.00	5.78	17.35	2.00	0.00	1.00	0.00
5.80	17.33	2.00	0.00	1.00	0.00	5.82	17.56	2.00	0.00	1.00	0.00
5.84	17.16	2.00	0.00	1.00	0.00	5.86	17.13	2.00	0.00	1.00	0.00
5.88	16.61	2.00	0.00	1.00	0.00	5.90	16.46	2.00	0.00	1.00	0.00
5.92	16.19	2.00	0.00	1.00	0.00	5.94	16.17	2.00	0.00	1.00	0.00
5.96	15.65	2.00	0.00	1.00	0.00	5.98	16.00	2.00	0.00	1.00	0.00
6.00	16.11	2.00	0.00	1.00	0.00	6.02	15.96	2.00	0.00	1.00	0.00
6.04	15.95	2.00	0.00	1.00	0.00	6.06	16.05	2.00	0.00	1.00	0.00
6.08	16.04	2.00	0.00	1.00	0.00	6.10	16.14	2.00	0.00	1.00	0.00
6.12	16.12	2.00	0.00	1.00	0.00	6.14	15.61	2.00	0.00	1.00	0.00
6.16	15.22	2.00	0.00	1.00	0.00	6.18	14.70	2.00	0.00	1.00	0.00
6.20	14.07	2.00	0.00	1.00	0.00	6.22	13.93	2.00	0.00	1.00	0.00
6.24	13.66	2.00	0.00	1.00	0.00	6.26	13.28	2.00	0.00	1.00	0.00
6.28	13.14	2.00	0.00	1.00	0.00	6.30	13.00	2.00	0.00	1.00	0.00
6.32	12.74	2.00	0.00	1.00	0.00	6.34	12.97	2.00	0.00	1.00	0.00
6.36	12.83	2.00	0.00	1.00	0.00	6.38	12.45	2.00	0.00	1.00	0.00
6.40	12.19	2.00	0.00	1.00	0.00	6.42	12.05	2.00	0.00	1.00	0.00
6.44	12.16	2.00	0.00	1.00	0.00	6.46	12.03	2.00	0.00	1.00	0.00
6.48	12.01	2.00	0.00	1.00	0.00	6.50	12.00	2.00	0.00	1.00	0.00
6.52	12.11	2.00	0.00	1.00	0.00	6.54	12.22	2.00	0.00	1.00	0.00
6.56	12.20	2.00	0.00	1.00	0.00	6.58	12.31	2.00	0.00	1.00	0.00
6.60	12.67	2.00	0.00	1.00	0.00	6.62	12.90	2.00	0.00	1.00	0.00
6.64	12.88	2.00	0.00	1.00	0.00	6.66	12.99	2.00	0.00	1.00	0.00
6.68	13.58	2.00	0.00	1.00	0.00	6.70	14.05	2.00	0.00	1.00	0.00
6.72	15.00	2.00	0.00	1.00	0.00	6.74	15.70	2.00	0.00	1.00	0.00
6.76	16.28	2.00	0.00	1.00	0.00	6.78	16.25	2.00	0.00	1.00	0.00
6.80	16.11	2.00	0.00	1.00	0.00	6.82	15.73	2.00	0.00	1.00	0.00
6.84	15.35	2.00	0.00	1.00	0.00	6.86	14.85	2.00	0.00	1.00	0.00
6.88	14.24	2.00	0.00	1.00	0.00	6.90	13.75	2.00	0.00	1.00	0.00
6.92	12.78	2.00	0.00	1.00	0.00	6.94	12.05	2.00	0.00	1.00	0.00
6.96	11.33	2.00	0.00	1.00	0.00	6.98	10.96	2.00	0.00	1.00	0.00
7.00	10.59	2.00	0.00	1.00	0.00	7.02	10.46	2.00	0.00	1.00	0.00
7.04	10.69	2.00	0.00	1.00	0.00	7.06	10.68	2.00	0.00	1.00	0.00
7.08	11.40	2.00	0.00	1.00	0.00	7.10	67.01	0.75	4.74	1.00	0.09
7.12	67.03	0.75	4.74	1.00	0.09	7.14	13.15	2.00	0.00	1.00	0.00
7.16	13.13	2.00	0.00	1.00	0.00	7.18	12.64	2.00	0.00	1.00	0.00
7.20	12.50	2.00	0.00	1.00	0.00	7.22	12.48	2.00	0.00	1.00	0.00
7.24	12.35	2.00	0.00	1.00	0.00	7.26	12.57	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.28	13.15	2.00	0.00	1.00	0.00	7.30	13.60	2.00	0.00	1.00	0.00
7.32	13.59	2.00	0.00	1.00	0.00	7.34	12.99	2.00	0.00	1.00	0.00
7.36	12.39	2.00	0.00	1.00	0.00	7.38	12.14	2.00	0.00	1.00	0.00
7.40	11.90	2.00	0.00	1.00	0.00	7.42	11.88	2.00	0.00	1.00	0.00
7.44	12.10	2.00	0.00	1.00	0.00	7.46	12.09	2.00	0.00	1.00	0.00
7.48	12.19	2.00	0.00	1.00	0.00	7.50	12.18	2.00	0.00	1.00	0.00
7.52	12.40	2.00	0.00	1.00	0.00	7.54	12.96	2.00	0.00	1.00	0.00
7.56	12.72	2.00	0.00	1.00	0.00	7.58	12.94	2.00	0.00	1.00	0.00
7.60	13.04	2.00	0.00	1.00	0.00	7.62	12.45	2.00	0.00	1.00	0.00
7.64	12.32	2.00	0.00	1.00	0.00	7.66	11.73	2.00	0.00	1.00	0.00
7.68	11.14	2.00	0.00	1.00	0.00	7.70	10.79	2.00	0.00	1.00	0.00
7.72	10.78	2.00	0.00	1.00	0.00	7.74	10.77	2.00	0.00	1.00	0.00
7.76	10.99	2.00	0.00	1.00	0.00	7.78	10.63	2.00	0.00	1.00	0.00
7.80	10.74	2.00	0.00	1.00	0.00	7.82	11.42	2.00	0.00	1.00	0.00
7.84	11.63	2.00	0.00	1.00	0.00	7.86	12.08	2.00	0.00	1.00	0.00
7.88	12.29	2.00	0.00	1.00	0.00	7.90	13.31	2.00	0.00	1.00	0.00
7.92	13.41	2.00	0.00	1.00	0.00	7.94	13.39	2.00	0.00	1.00	0.00
7.96	13.26	2.00	0.00	1.00	0.00	7.98	13.24	2.00	0.00	1.00	0.00
8.00	13.34	2.00	0.00	1.00	0.00	8.02	13.33	2.00	0.00	1.00	0.00
8.04	13.42	2.00	0.00	1.00	0.00	8.06	13.41	2.00	0.00	1.00	0.00
8.08	13.51	2.00	0.00	1.00	0.00	8.10	13.83	2.00	0.00	1.00	0.00
8.12	13.82	2.00	0.00	1.00	0.00	8.14	13.91	2.00	0.00	1.00	0.00
8.16	13.90	2.00	0.00	1.00	0.00	8.18	13.89	2.00	0.00	1.00	0.00
8.20	13.42	2.00	0.00	1.00	0.00	8.22	12.52	2.00	0.00	1.00	0.00
8.24	11.16	2.00	0.00	1.00	0.00	8.26	10.48	2.00	0.00	1.00	0.00
8.28	10.02	2.00	0.00	1.00	0.00	8.30	10.24	2.00	0.00	1.00	0.00
8.32	10.56	2.00	0.00	1.00	0.00	8.34	11.00	2.00	0.00	1.00	0.00
8.36	11.66	2.00	0.00	1.00	0.00	8.38	12.21	2.00	0.00	1.00	0.00
8.40	12.42	2.00	0.00	1.00	0.00	8.42	11.96	2.00	0.00	1.00	0.00
8.44	11.50	2.00	0.00	1.00	0.00	8.46	11.27	2.00	0.00	1.00	0.00
8.48	11.14	2.00	0.00	1.00	0.00	8.50	11.24	2.00	0.00	1.00	0.00
8.52	11.56	2.00	0.00	1.00	0.00	8.54	11.77	2.00	0.00	1.00	0.00
8.56	11.76	2.00	0.00	1.00	0.00	8.58	11.53	2.00	0.00	1.00	0.00
8.60	11.41	2.00	0.00	1.00	0.00	8.62	11.18	2.00	0.00	1.00	0.00
8.64	11.50	2.00	0.00	1.00	0.00	8.66	11.60	2.00	0.00	1.00	0.00
8.68	11.37	2.00	0.00	1.00	0.00	8.70	11.58	2.00	0.00	1.00	0.00
8.72	11.68	2.00	0.00	1.00	0.00	8.74	11.67	2.00	0.00	1.00	0.00
8.76	12.32	2.00	0.00	1.00	0.00	8.78	12.30	2.00	0.00	1.00	0.00
8.80	12.29	2.00	0.00	1.00	0.00	8.82	11.95	2.00	0.00	1.00	0.00
8.84	12.05	2.00	0.00	1.00	0.00	8.86	12.26	2.00	0.00	1.00	0.00
8.88	12.68	2.00	0.00	1.00	0.00	8.90	12.67	2.00	0.00	1.00	0.00
8.92	11.57	2.00	0.00	1.00	0.00	8.94	10.37	2.00	0.00	1.00	0.00
8.96	10.14	2.00	0.00	1.00	0.00	8.98	10.89	2.00	0.00	1.00	0.00
9.00	12.28	2.00	0.00	1.00	0.00	9.02	12.27	2.00	0.00	1.00	0.00
9.04	11.61	2.00	0.00	1.00	0.00	9.06	10.42	2.00	0.00	1.00	0.00
9.08	9.65	2.00	0.00	1.00	0.00	9.10	9.32	2.00	0.00	1.00	0.00
9.12	9.31	2.00	0.00	1.00	0.00	9.14	8.98	2.00	0.00	1.00	0.00
9.16	9.08	2.00	0.00	1.00	0.00	9.18	8.96	2.00	0.00	1.00	0.00
9.20	9.27	2.00	0.00	1.00	0.00	9.22	9.48	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.24	10.01	2.00	0.00	1.00	0.00	9.26	10.32	2.00	0.00	1.00	0.00
9.28	10.64	2.00	0.00	1.00	0.00	9.30	10.20	2.00	0.00	1.00	0.00
9.32	9.87	2.00	0.00	1.00	0.00	9.34	9.97	2.00	0.00	1.00	0.00
9.36	10.06	2.00	0.00	1.00	0.00	9.38	10.06	2.00	0.00	1.00	0.00
9.40	9.94	2.00	0.00	1.00	0.00	9.42	9.83	2.00	0.00	1.00	0.00
9.44	9.39	2.00	0.00	1.00	0.00	9.46	9.49	2.00	0.00	1.00	0.00
9.48	10.01	2.00	0.00	1.00	0.00	9.50	10.96	2.00	0.00	1.00	0.00
9.52	12.01	2.00	0.00	1.00	0.00	9.54	12.95	2.00	0.00	1.00	0.00
9.56	13.15	2.00	0.00	1.00	0.00	9.58	13.13	2.00	0.00	1.00	0.00
9.60	12.38	2.00	0.00	1.00	0.00	9.62	11.42	2.00	0.00	1.00	0.00
9.64	10.99	2.00	0.00	1.00	0.00	9.66	10.35	2.00	0.00	1.00	0.00
9.68	10.34	2.00	0.00	1.00	0.00	9.70	10.54	2.00	0.00	1.00	0.00
9.72	11.79	2.00	0.00	1.00	0.00	9.74	12.94	2.00	0.00	1.00	0.00
9.76	12.93	2.00	0.00	1.00	0.00	9.78	11.24	2.00	0.00	1.00	0.00
9.80	9.77	2.00	0.00	1.00	0.00	9.82	9.13	2.00	0.00	1.00	0.00
9.84	9.34	2.00	0.00	1.00	0.00	9.86	10.27	2.00	0.00	1.00	0.00
9.88	12.25	2.00	0.00	1.00	0.00	9.90	68.08	0.76	4.67	1.00	0.09
9.92	12.96	2.00	0.00	1.00	0.00	9.94	12.64	2.00	0.00	1.00	0.00
9.96	12.73	2.00	0.00	1.00	0.00	9.98	12.20	2.00	0.00	1.00	0.00
10.00	10.42	2.00	0.00	1.00	0.00	10.02	10.00	2.00	0.00	1.00	0.00
10.04	9.88	2.00	0.00	1.00	0.00	10.06	10.50	2.00	0.00	1.00	0.00
10.08	10.80	2.00	0.00	1.00	0.00	10.10	11.62	2.00	0.00	1.00	0.00
10.12	12.44	2.00	0.00	1.00	0.00	10.14	12.95	2.00	0.00	1.00	0.00
10.16	13.97	2.00	0.00	1.00	0.00	10.18	14.57	2.00	0.00	1.00	0.00
10.20	15.70	2.00	0.00	1.00	0.00	10.22	71.85	0.79	4.44	1.00	0.09
10.24	72.31	0.79	4.41	1.00	0.09	10.26	72.66	0.79	4.39	1.00	0.09
10.28	73.07	0.80	4.37	1.00	0.09	10.30	73.35	0.80	4.35	1.00	0.09
10.32	72.85	0.79	4.38	1.00	0.09	10.34	72.94	0.79	4.38	1.00	0.09
10.36	73.14	0.80	4.37	1.00	0.09	10.38	17.42	2.00	0.00	1.00	0.00
10.40	17.10	2.00	0.00	1.00	0.00	10.42	16.98	2.00	0.00	1.00	0.00
10.44	16.46	2.00	0.00	1.00	0.00	10.46	16.04	2.00	0.00	1.00	0.00
10.48	15.31	2.00	0.00	1.00	0.00	10.50	14.58	2.00	0.00	1.00	0.00
10.52	12.54	2.00	0.00	1.00	0.00	10.54	14.76	2.00	0.00	1.00	0.00
10.56	17.18	2.00	0.00	1.00	0.00	10.58	16.26	2.00	0.00	1.00	0.00
10.60	15.23	2.00	0.00	1.00	0.00	10.62	13.09	2.00	0.00	1.00	0.00
10.64	11.26	2.00	0.00	1.00	0.00	10.66	11.45	2.00	0.00	1.00	0.00
10.68	11.44	2.00	0.00	1.00	0.00	10.70	10.83	2.00	0.00	1.00	0.00
10.72	10.92	2.00	0.00	1.00	0.00	10.74	11.41	2.00	0.00	1.00	0.00
10.76	11.30	2.00	0.00	1.00	0.00	10.78	11.09	2.00	0.00	1.00	0.00
10.80	10.78	2.00	0.00	1.00	0.00	10.82	10.47	2.00	0.00	1.00	0.00
10.84	9.96	2.00	0.00	1.00	0.00	10.86	9.95	2.00	0.00	1.00	0.00
10.88	9.64	2.00	0.00	1.00	0.00	10.90	9.53	2.00	0.00	1.00	0.00
10.92	9.33	2.00	0.00	1.00	0.00	10.94	9.22	2.00	0.00	1.00	0.00
10.96	9.01	2.00	0.00	1.00	0.00	10.98	9.30	2.00	0.00	1.00	0.00
11.00	9.20	2.00	0.00	1.00	0.00	11.02	9.59	2.00	0.00	1.00	0.00
11.04	9.78	2.00	0.00	1.00	0.00	11.06	9.97	2.00	0.00	1.00	0.00
11.08	9.96	2.00	0.00	1.00	0.00	11.10	9.95	2.00	0.00	1.00	0.00
11.12	10.04	2.00	0.00	1.00	0.00	11.14	10.03	2.00	0.00	1.00	0.00
11.16	10.03	2.00	0.00	1.00	0.00	11.18	10.21	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.20	10.21	2.00	0.00	1.00	0.00	11.22	10.20	2.00	0.00	1.00	0.00
11.24	9.99	2.00	0.00	1.00	0.00	11.26	10.18	2.00	0.00	1.00	0.00
11.28	10.27	2.00	0.00	1.00	0.00	11.30	10.36	2.00	0.00	1.00	0.00
11.32	10.35	2.00	0.00	1.00	0.00	11.34	10.93	2.00	0.00	1.00	0.00
11.36	10.92	2.00	0.00	1.00	0.00	11.38	11.31	2.00	0.00	1.00	0.00
11.40	11.39	2.00	0.00	1.00	0.00	11.42	11.48	2.00	0.00	1.00	0.00
11.44	11.86	2.00	0.00	1.00	0.00	11.46	12.64	2.00	0.00	1.00	0.00
11.48	14.19	2.00	0.00	1.00	0.00	11.50	16.24	2.00	0.00	1.00	0.00
11.52	17.69	2.00	0.00	1.00	0.00	11.54	17.38	2.00	0.00	1.00	0.00
11.56	17.56	2.00	0.00	1.00	0.00	11.58	17.16	2.00	0.00	1.00	0.00
11.60	16.75	2.00	0.00	1.00	0.00	11.62	16.44	2.00	0.00	1.00	0.00
11.64	16.53	2.00	0.00	1.00	0.00	11.66	16.12	2.00	0.00	1.00	0.00
11.68	15.53	2.00	0.00	1.00	0.00	11.70	15.32	2.00	0.00	1.00	0.00
11.72	15.11	2.00	0.00	1.00	0.00	11.74	14.90	2.00	0.00	1.00	0.00
11.76	14.70	2.00	0.00	1.00	0.00	11.78	14.20	2.00	0.00	1.00	0.00
11.80	14.09	2.00	0.00	1.00	0.00	11.82	13.88	2.00	0.00	1.00	0.00
11.84	14.06	2.00	0.00	1.00	0.00	11.86	13.86	2.00	0.00	1.00	0.00
11.88	13.37	2.00	0.00	1.00	0.00	11.90	12.39	2.00	0.00	1.00	0.00
11.92	12.67	2.00	0.00	1.00	0.00	11.94	12.95	2.00	0.00	1.00	0.00
11.96	13.32	2.00	0.00	1.00	0.00	11.98	14.17	2.00	0.00	1.00	0.00
12.00	15.50	2.00	0.00	1.00	0.00	12.02	15.68	2.00	0.00	1.00	0.00
12.04	15.48	2.00	0.00	1.00	0.00	12.06	15.08	2.00	0.00	1.00	0.00
12.08	14.78	2.00	0.00	1.00	0.00	12.10	14.48	2.00	0.00	1.00	0.00
12.12	14.09	2.00	0.00	1.00	0.00	12.14	13.12	2.00	0.00	1.00	0.00
12.16	12.54	2.00	0.00	1.00	0.00	12.18	12.15	2.00	0.00	1.00	0.00
12.20	12.14	2.00	0.00	1.00	0.00	12.22	12.51	2.00	0.00	1.00	0.00
12.24	12.31	2.00	0.00	1.00	0.00	12.26	12.01	2.00	0.00	1.00	0.00
12.28	11.53	2.00	0.00	1.00	0.00	12.30	11.52	2.00	0.00	1.00	0.00
12.32	11.51	2.00	0.00	1.00	0.00	12.34	11.50	2.00	0.00	1.00	0.00
12.36	11.40	2.00	0.00	1.00	0.00	12.38	11.01	2.00	0.00	1.00	0.00
12.40	10.91	2.00	0.00	1.00	0.00	12.42	10.52	2.00	0.00	1.00	0.00
12.44	10.23	2.00	0.00	1.00	0.00	12.46	9.94	2.00	0.00	1.00	0.00
12.48	9.74	2.00	0.00	1.00	0.00	12.50	9.36	2.00	0.00	1.00	0.00
12.52	9.16	2.00	0.00	1.00	0.00	12.54	9.06	2.00	0.00	1.00	0.00
12.56	9.05	2.00	0.00	1.00	0.00	12.58	8.86	2.00	0.00	1.00	0.00
12.60	8.76	2.00	0.00	1.00	0.00	12.62	8.47	2.00	0.00	1.00	0.00
12.64	8.56	2.00	0.00	1.00	0.00	12.66	8.46	2.00	0.00	1.00	0.00
12.68	8.17	2.00	0.00	1.00	0.00	12.70	8.07	2.00	0.00	1.00	0.00
12.72	8.44	2.00	0.00	1.00	0.00	12.74	8.15	2.00	0.00	1.00	0.00
12.76	8.05	2.00	0.00	1.00	0.00	12.78	8.05	2.00	0.00	1.00	0.00
12.80	8.13	2.00	0.00	1.00	0.00	12.82	8.03	2.00	0.00	1.00	0.00
12.84	8.12	2.00	0.00	1.00	0.00	12.86	8.21	2.00	0.00	1.00	0.00
12.88	8.38	2.00	0.00	1.00	0.00	12.90	8.56	2.00	0.00	1.00	0.00
12.92	8.74	2.00	0.00	1.00	0.00	12.94	8.46	2.00	0.00	1.00	0.00
12.96	8.54	2.00	0.00	1.00	0.00	12.98	8.91	2.00	0.00	1.00	0.00
13.00	8.62	2.00	0.00	1.00	0.00	13.02	8.07	2.00	0.00	1.00	0.00
13.04	7.88	2.00	0.00	1.00	0.00	13.06	7.87	2.00	0.00	1.00	0.00
13.08	7.68	2.00	0.00	1.00	0.00	13.10	7.68	2.00	0.00	1.00	0.00
13.12	7.21	2.00	0.00	1.00	0.00	13.14	6.75	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.16	6.29	2.00	0.00	1.00	0.00	13.18	6.01	2.00	0.00	1.00	0.00
13.20	6.19	2.00	0.00	1.00	0.00	13.22	6.28	2.00	0.00	1.00	0.00
13.24	6.55	2.00	0.00	1.00	0.00	13.26	6.54	2.00	0.00	1.00	0.00
13.28	6.90	2.00	0.00	1.00	0.00	13.30	7.27	2.00	0.00	1.00	0.00
13.32	6.90	2.00	0.00	1.00	0.00	13.34	6.44	2.00	0.00	1.00	0.00
13.36	6.35	2.00	0.00	1.00	0.00	13.38	6.25	2.00	0.00	1.00	0.00
13.40	6.43	2.00	0.00	1.00	0.00	13.42	6.24	2.00	0.00	1.00	0.00
13.44	6.51	2.00	0.00	1.00	0.00	13.46	6.78	2.00	0.00	1.00	0.00
13.48	7.05	2.00	0.00	1.00	0.00	13.50	7.32	2.00	0.00	1.00	0.00
13.52	7.68	2.00	0.00	1.00	0.00	13.54	8.76	2.00	0.00	1.00	0.00
13.56	8.94	2.00	0.00	1.00	0.00	13.58	9.39	2.00	0.00	1.00	0.00
13.60	10.56	2.00	0.00	1.00	0.00	13.62	11.64	2.00	0.00	1.00	0.00
13.64	12.18	2.00	0.00	1.00	0.00	13.66	11.54	2.00	0.00	1.00	0.00
13.68	11.27	2.00	0.00	1.00	0.00	13.70	10.81	2.00	0.00	1.00	0.00
13.72	10.80	2.00	0.00	1.00	0.00	13.74	10.97	2.00	0.00	1.00	0.00
13.76	10.79	2.00	0.00	1.00	0.00	13.78	10.05	2.00	0.00	1.00	0.00
13.80	9.60	2.00	0.00	1.00	0.00	13.82	9.77	2.00	0.00	1.00	0.00
13.84	9.94	2.00	0.00	1.00	0.00	13.86	9.58	2.00	0.00	1.00	0.00
13.88	9.39	2.00	0.00	1.00	0.00	13.90	9.38	2.00	0.00	1.00	0.00
13.92	9.38	2.00	0.00	1.00	0.00	13.94	9.01	2.00	0.00	1.00	0.00
13.96	8.47	2.00	0.00	1.00	0.00	13.98	8.01	2.00	0.00	1.00	0.00
14.00	7.56	2.00	0.00	1.00	0.00	14.02	7.29	2.00	0.00	1.00	0.00
14.04	7.20	2.00	0.00	1.00	0.00	14.06	7.37	2.00	0.00	1.00	0.00
14.08	7.72	2.00	0.00	1.00	0.00	14.10	7.98	2.00	0.00	1.00	0.00
14.12	7.44	2.00	0.00	1.00	0.00	14.14	7.44	2.00	0.00	1.00	0.00
14.16	7.44	2.00	0.00	1.00	0.00	14.18	7.79	2.00	0.00	1.00	0.00
14.20	7.34	2.00	0.00	1.00	0.00	14.22	7.34	2.00	0.00	1.00	0.00
14.24	7.16	2.00	0.00	1.00	0.00	14.26	7.51	2.00	0.00	1.00	0.00
14.28	8.57	2.00	0.00	1.00	0.00	14.30	9.45	2.00	0.00	1.00	0.00
14.32	8.47	2.00	0.00	1.00	0.00	14.34	6.87	2.00	0.00	1.00	0.00
14.36	6.34	2.00	0.00	1.00	0.00	14.38	6.78	2.00	0.00	1.00	0.00
14.40	7.48	2.00	0.00	1.00	0.00	14.42	8.27	2.00	0.00	1.00	0.00
14.44	8.53	2.00	0.00	1.00	0.00	14.46	7.82	2.00	0.00	1.00	0.00
14.48	6.93	2.00	0.00	1.00	0.00	14.50	6.31	2.00	0.00	1.00	0.00
14.52	6.48	2.00	0.00	1.00	0.00	14.54	6.31	2.00	0.00	1.00	0.00
14.56	6.21	2.00	0.00	1.00	0.00	14.58	5.86	2.00	0.00	1.00	0.00
14.60	6.29	2.00	0.00	1.00	0.00	14.62	6.64	2.00	0.00	1.00	0.00
14.64	6.73	2.00	0.00	1.00	0.00	14.66	7.08	2.00	0.00	1.00	0.00
14.68	7.33	2.00	0.00	1.00	0.00	14.70	7.07	2.00	0.00	1.00	0.00
14.72	6.71	2.00	0.00	1.00	0.00	14.74	6.62	2.00	0.00	1.00	0.00
14.76	6.36	2.00	0.00	1.00	0.00	14.78	6.27	2.00	0.00	1.00	0.00
14.80	6.35	2.00	0.00	1.00	0.00	14.82	6.70	2.00	0.00	1.00	0.00
14.84	7.31	2.00	0.00	1.00	0.00	14.86	8.44	2.00	0.00	1.00	0.00
14.88	9.74	2.00	0.00	1.00	0.00	14.90	11.49	2.00	0.00	1.00	0.00
14.92	11.40	2.00	0.00	1.00	0.00	14.94	9.65	2.00	0.00	1.00	0.00
14.96	8.68	2.00	0.00	1.00	0.00	14.98	8.94	2.00	0.00	1.00	0.00
15.00	8.32	2.00	0.00	1.00	0.00	15.02	8.32	2.00	0.00	1.00	0.00
15.04	8.83	2.00	0.00	1.00	0.00	15.06	8.22	2.00	0.00	1.00	0.00
15.08	8.21	2.00	0.00	1.00	0.00	15.10	7.86	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.12	8.03	2.00	0.00	1.00	0.00	15.14	8.81	2.00	0.00	1.00	0.00
15.16	9.32	2.00	0.00	1.00	0.00	15.18	9.84	2.00	0.00	1.00	0.00
15.20	9.58	2.00	0.00	1.00	0.00	15.22	9.05	2.00	0.00	1.00	0.00
15.24	8.35	2.00	0.00	1.00	0.00	15.26	8.00	2.00	0.00	1.00	0.00
15.28	7.82	2.00	0.00	1.00	0.00	15.30	7.99	2.00	0.00	1.00	0.00
15.32	7.99	2.00	0.00	1.00	0.00	15.34	7.73	2.00	0.00	1.00	0.00
15.36	7.81	2.00	0.00	1.00	0.00	15.38	7.81	2.00	0.00	1.00	0.00
15.40	7.97	2.00	0.00	1.00	0.00	15.42	8.31	2.00	0.00	1.00	0.00
15.44	9.17	2.00	0.00	1.00	0.00	15.46	9.77	2.00	0.00	1.00	0.00
15.48	10.28	2.00	0.00	1.00	0.00	15.50	9.59	2.00	0.00	1.00	0.00
15.52	8.98	2.00	0.00	1.00	0.00	15.54	8.54	2.00	0.00	1.00	0.00
15.56	8.63	2.00	0.00	1.00	0.00	15.58	8.62	2.00	0.00	1.00	0.00
15.60	8.53	2.00	0.00	1.00	0.00	15.62	7.66	2.00	0.00	1.00	0.00
15.64	7.32	2.00	0.00	1.00	0.00	15.66	7.57	2.00	0.00	1.00	0.00
15.68	7.99	2.00	0.00	1.00	0.00	15.70	8.50	2.00	0.00	1.00	0.00
15.72	8.93	2.00	0.00	1.00	0.00	15.74	8.92	2.00	0.00	1.00	0.00
15.76	8.92	2.00	0.00	1.00	0.00	15.78	9.00	2.00	0.00	1.00	0.00
15.80	8.65	2.00	0.00	1.00	0.00	15.82	8.65	2.00	0.00	1.00	0.00
15.84	8.98	2.00	0.00	1.00	0.00	15.86	9.06	2.00	0.00	1.00	0.00
15.88	9.23	2.00	0.00	1.00	0.00	15.90	8.88	2.00	0.00	1.00	0.00
15.92	8.62	2.00	0.00	1.00	0.00	15.94	8.53	2.00	0.00	1.00	0.00
15.96	8.61	2.00	0.00	1.00	0.00	15.98	8.35	2.00	0.00	1.00	0.00
16.00	8.17	2.00	0.00	1.00	0.00	16.02	8.00	2.00	0.00	1.00	0.00
16.04	8.50	2.00	0.00	1.00	0.00	16.06	9.18	2.00	0.00	1.00	0.00
16.08	9.17	2.00	0.00	1.00	0.00	16.10	9.33	2.00	0.00	1.00	0.00
16.12	9.33	2.00	0.00	1.00	0.00	16.14	9.41	2.00	0.00	1.00	0.00
16.16	9.15	2.00	0.00	1.00	0.00	16.18	9.31	2.00	0.00	1.00	0.00
16.20	8.88	2.00	0.00	1.00	0.00	16.22	8.79	2.00	0.00	1.00	0.00
16.24	8.78	2.00	0.00	1.00	0.00	16.26	8.78	2.00	0.00	1.00	0.00
16.28	8.35	2.00	0.00	1.00	0.00	16.30	7.84	2.00	0.00	1.00	0.00
16.32	7.33	2.00	0.00	1.00	0.00	16.34	7.24	2.00	0.00	1.00	0.00
16.36	7.41	2.00	0.00	1.00	0.00	16.38	7.82	2.00	0.00	1.00	0.00
16.40	7.98	2.00	0.00	1.00	0.00	16.42	8.65	2.00	0.00	1.00	0.00
16.44	8.65	2.00	0.00	1.00	0.00	16.46	9.23	2.00	0.00	1.00	0.00
16.48	8.97	2.00	0.00	1.00	0.00	16.50	8.46	2.00	0.00	1.00	0.00
16.52	8.37	2.00	0.00	1.00	0.00	16.54	7.95	2.00	0.00	1.00	0.00
16.56	8.03	2.00	0.00	1.00	0.00	16.58	8.19	2.00	0.00	1.00	0.00
16.60	8.35	2.00	0.00	1.00	0.00	16.62	8.26	2.00	0.00	1.00	0.00
16.64	8.34	2.00	0.00	1.00	0.00	16.66	8.17	2.00	0.00	1.00	0.00
16.68	7.91	2.00	0.00	1.00	0.00	16.70	7.41	2.00	0.00	1.00	0.00
16.72	7.74	2.00	0.00	1.00	0.00	16.74	8.23	2.00	0.00	1.00	0.00
16.76	8.23	2.00	0.00	1.00	0.00	16.78	7.97	2.00	0.00	1.00	0.00
16.80	8.13	2.00	0.00	1.00	0.00	16.82	8.21	2.00	0.00	1.00	0.00
16.84	8.54	2.00	0.00	1.00	0.00	16.86	9.20	2.00	0.00	1.00	0.00
16.88	9.36	2.00	0.00	1.00	0.00	16.90	9.19	2.00	0.00	1.00	0.00
16.92	8.68	2.00	0.00	1.00	0.00	16.94	8.18	2.00	0.00	1.00	0.00
16.96	7.77	2.00	0.00	1.00	0.00	16.98	7.84	2.00	0.00	1.00	0.00
17.00	8.25	2.00	0.00	1.00	0.00	17.02	8.74	2.00	0.00	1.00	0.00
17.04	8.33	2.00	0.00	1.00	0.00	17.06	8.32	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.08	8.73	2.00	0.00	1.00	0.00	17.10	8.81	2.00	0.00	1.00	0.00
17.12	8.88	2.00	0.00	1.00	0.00	17.14	9.13	2.00	0.00	1.00	0.00
17.16	10.27	2.00	0.00	1.00	0.00	17.18	13.15	2.00	0.00	1.00	0.00
17.20	15.54	2.00	0.00	1.00	0.00	17.22	15.47	2.00	0.00	1.00	0.00
17.24	14.47	2.00	0.00	1.00	0.00	17.26	14.96	2.00	0.00	1.00	0.00
17.28	15.53	2.00	0.00	1.00	0.00	17.30	15.12	2.00	0.00	1.00	0.00
17.32	14.20	2.00	0.00	1.00	0.00	17.34	13.20	2.00	0.00	1.00	0.00
17.36	12.12	2.00	0.00	1.00	0.00	17.38	12.85	2.00	0.00	1.00	0.00
17.40	13.17	2.00	0.00	1.00	0.00	17.42	13.49	2.00	0.00	1.00	0.00
17.44	20.70	2.00	0.00	1.00	0.00	17.46	25.96	2.00	0.00	1.00	0.00
17.48	89.27	1.09	0.86	1.00	0.02	17.50	90.91	1.11	0.78	1.00	0.02
17.52	90.71	1.11	0.79	1.00	0.02	17.54	88.08	1.08	0.92	1.00	0.02
17.56	25.12	2.00	0.00	1.00	0.00	17.58	18.30	2.00	0.00	1.00	0.00
17.60	14.24	2.00	0.00	1.00	0.00	17.62	11.93	2.00	0.00	1.00	0.00
17.64	10.86	2.00	0.00	1.00	0.00	17.66	10.61	2.00	0.00	1.00	0.00
17.68	10.93	2.00	0.00	1.00	0.00	17.70	13.37	2.00	0.00	1.00	0.00
17.72	14.42	2.00	0.00	1.00	0.00	17.74	12.70	2.00	0.00	1.00	0.00
17.76	10.50	2.00	0.00	1.00	0.00	17.78	9.44	2.00	0.00	1.00	0.00
17.80	8.54	2.00	0.00	1.00	0.00	17.82	8.46	2.00	0.00	1.00	0.00
17.84	8.45	2.00	0.00	1.00	0.00	17.86	8.61	2.00	0.00	1.00	0.00
17.88	8.52	2.00	0.00	1.00	0.00	17.90	8.76	2.00	0.00	1.00	0.00
17.92	8.84	2.00	0.00	1.00	0.00	17.94	8.91	2.00	0.00	1.00	0.00
17.96	8.26	2.00	0.00	1.00	0.00	17.98	7.94	2.00	0.00	1.00	0.00
18.00	7.61	2.00	0.00	1.00	0.00	18.02	7.77	2.00	0.00	1.00	0.00
18.04	7.77	2.00	0.00	1.00	0.00	18.06	7.60	2.00	0.00	1.00	0.00
18.08	7.84	2.00	0.00	1.00	0.00	18.10	7.59	2.00	0.00	1.00	0.00
18.12	7.83	2.00	0.00	1.00	0.00	18.14	7.59	2.00	0.00	1.00	0.00
18.16	7.50	2.00	0.00	1.00	0.00	18.18	7.66	2.00	0.00	1.00	0.00
18.20	7.49	2.00	0.00	1.00	0.00	18.22	7.25	2.00	0.00	1.00	0.00
18.24	7.01	2.00	0.00	1.00	0.00	18.26	6.84	2.00	0.00	1.00	0.00
18.28	6.60	2.00	0.00	1.00	0.00	18.30	6.68	2.00	0.00	1.00	0.00
18.32	6.99	2.00	0.00	1.00	0.00	18.34	6.91	2.00	0.00	1.00	0.00
18.36	6.67	2.00	0.00	1.00	0.00	18.38	6.98	2.00	0.00	1.00	0.00
18.40	7.06	2.00	0.00	1.00	0.00	18.42	7.53	2.00	0.00	1.00	0.00
18.44	7.45	2.00	0.00	1.00	0.00	18.46	7.60	2.00	0.00	1.00	0.00
18.48	7.60	2.00	0.00	1.00	0.00	18.50	7.75	2.00	0.00	1.00	0.00
18.52	8.06	2.00	0.00	1.00	0.00	18.54	8.22	2.00	0.00	1.00	0.00
18.56	8.37	2.00	0.00	1.00	0.00	18.58	8.05	2.00	0.00	1.00	0.00
18.60	8.20	2.00	0.00	1.00	0.00	18.62	8.20	2.00	0.00	1.00	0.00
18.64	8.35	2.00	0.00	1.00	0.00	18.66	8.51	2.00	0.00	1.00	0.00
18.68	8.74	2.00	0.00	1.00	0.00	18.70	9.05	2.00	0.00	1.00	0.00
18.72	9.44	2.00	0.00	1.00	0.00	18.74	9.36	2.00	0.00	1.00	0.00
18.76	9.04	2.00	0.00	1.00	0.00	18.78	8.80	2.00	0.00	1.00	0.00
18.80	9.34	2.00	0.00	1.00	0.00	18.82	10.05	2.00	0.00	1.00	0.00
18.84	10.99	2.00	0.00	1.00	0.00	18.86	10.75	2.00	0.00	1.00	0.00
18.88	10.11	2.00	0.00	1.00	0.00	18.90	9.79	2.00	0.00	1.00	0.00
18.92	12.38	2.00	0.00	1.00	0.00	18.94	13.71	2.00	0.00	1.00	0.00
18.96	12.76	2.00	0.00	1.00	0.00	18.98	12.06	2.00	0.00	1.00	0.00
19.00	10.87	2.00	0.00	1.00	0.00	19.02	9.37	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.04	8.73	2.00	0.00	1.00	0.00	19.06	8.26	2.00	0.00	1.00	0.00
19.08	7.86	2.00	0.00	1.00	0.00	19.10	7.47	2.00	0.00	1.00	0.00
19.12	7.46	2.00	0.00	1.00	0.00	19.14	7.46	2.00	0.00	1.00	0.00
19.16	7.46	2.00	0.00	1.00	0.00	19.18	7.61	2.00	0.00	1.00	0.00
19.20	7.68	2.00	0.00	1.00	0.00	19.22	7.68	2.00	0.00	1.00	0.00
19.24	7.75	2.00	0.00	1.00	0.00	19.26	8.29	2.00	0.00	1.00	0.00
19.28	8.91	2.00	0.00	1.00	0.00	19.30	9.92	2.00	0.00	1.00	0.00
19.32	10.93	2.00	0.00	1.00	0.00	19.34	14.05	2.00	0.00	1.00	0.00
19.36	14.36	2.00	0.00	1.00	0.00	19.38	15.22	2.00	0.00	1.00	0.00
19.40	15.53	2.00	0.00	1.00	0.00	19.42	16.95	2.00	0.00	1.00	0.00
19.44	17.49	2.00	0.00	1.00	0.00	19.46	17.49	2.00	0.00	1.00	0.00
19.48	16.69	2.00	0.00	1.00	0.00	19.50	15.19	2.00	0.00	1.00	0.00
19.52	13.37	2.00	0.00	1.00	0.00	19.54	11.64	2.00	0.00	1.00	0.00
19.56	10.00	2.00	0.00	1.00	0.00	19.58	9.53	2.00	0.00	1.00	0.00
19.60	8.90	2.00	0.00	1.00	0.00	19.62	8.59	2.00	0.00	1.00	0.00
19.64	8.50	2.00	0.00	1.00	0.00	19.66	8.88	2.00	0.00	1.00	0.00
19.68	8.96	2.00	0.00	1.00	0.00	19.70	9.11	2.00	0.00	1.00	0.00
19.72	9.10	2.00	0.00	1.00	0.00	19.74	8.94	2.00	0.00	1.00	0.00
19.76	8.86	2.00	0.00	1.00	0.00	19.78	8.55	2.00	0.00	1.00	0.00
19.80	8.77	2.00	0.00	1.00	0.00	19.82	8.54	2.00	0.00	1.00	0.00
19.84	8.53	2.00	0.00	1.00	0.00	19.86	9.06	2.00	0.00	1.00	0.00
19.88	9.29	2.00	0.00	1.00	0.00	19.90	9.36	2.00	0.00	1.00	0.00
19.92	9.89	2.00	0.00	1.00	0.00	19.94	10.50	2.00	0.00	1.00	0.00
19.96	10.65	2.00	0.00	1.00	0.00	19.98	10.49	2.00	0.00	1.00	0.00
20.00	10.33	2.00	0.00	1.00	0.00						

Total estimated settlement: 6.11

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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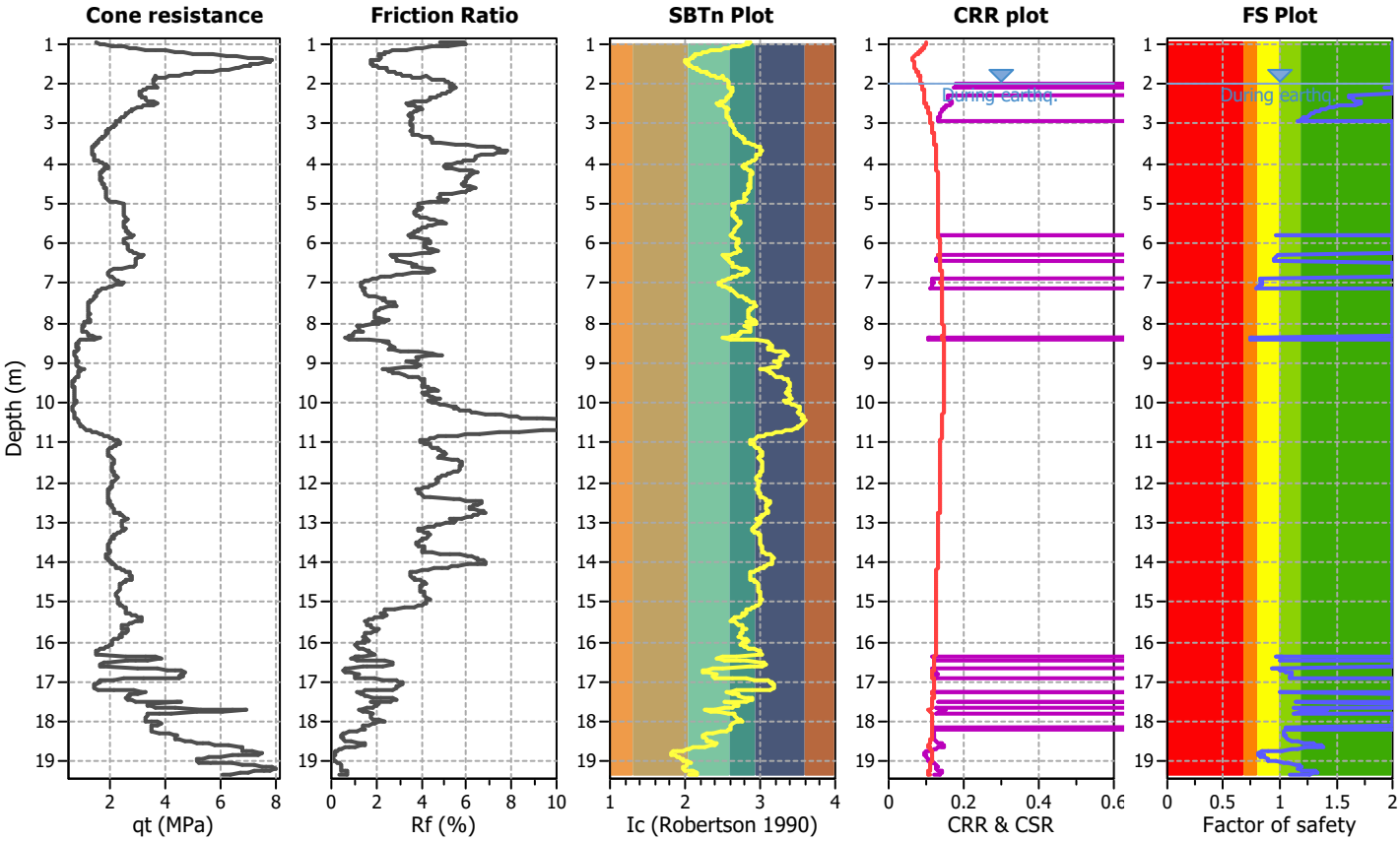
LIQUEFACTION ANALYSIS REPORT

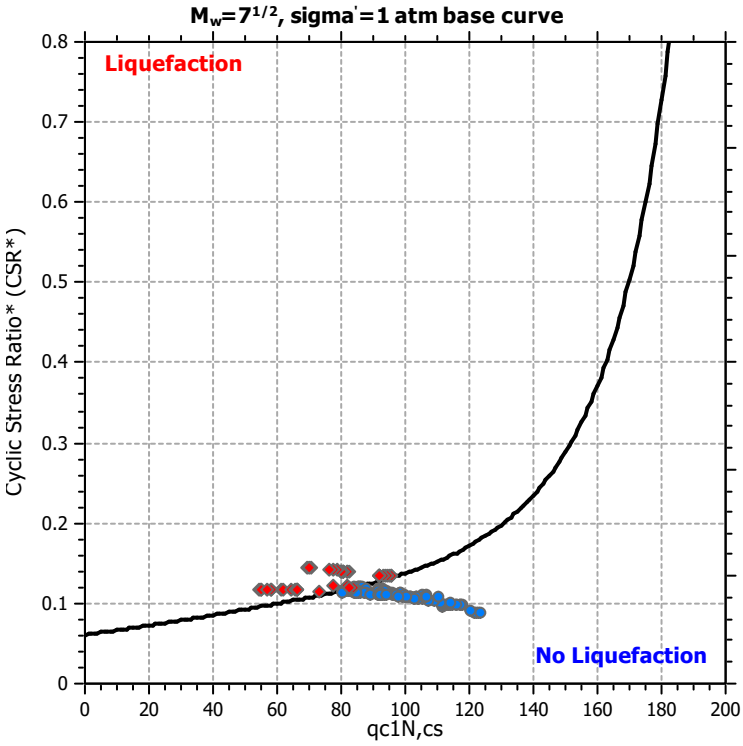
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

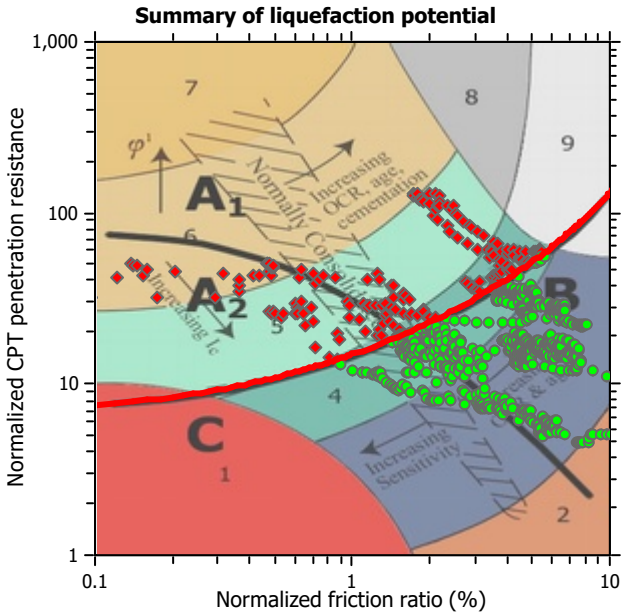
CPT file : P295 - Cptu1

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

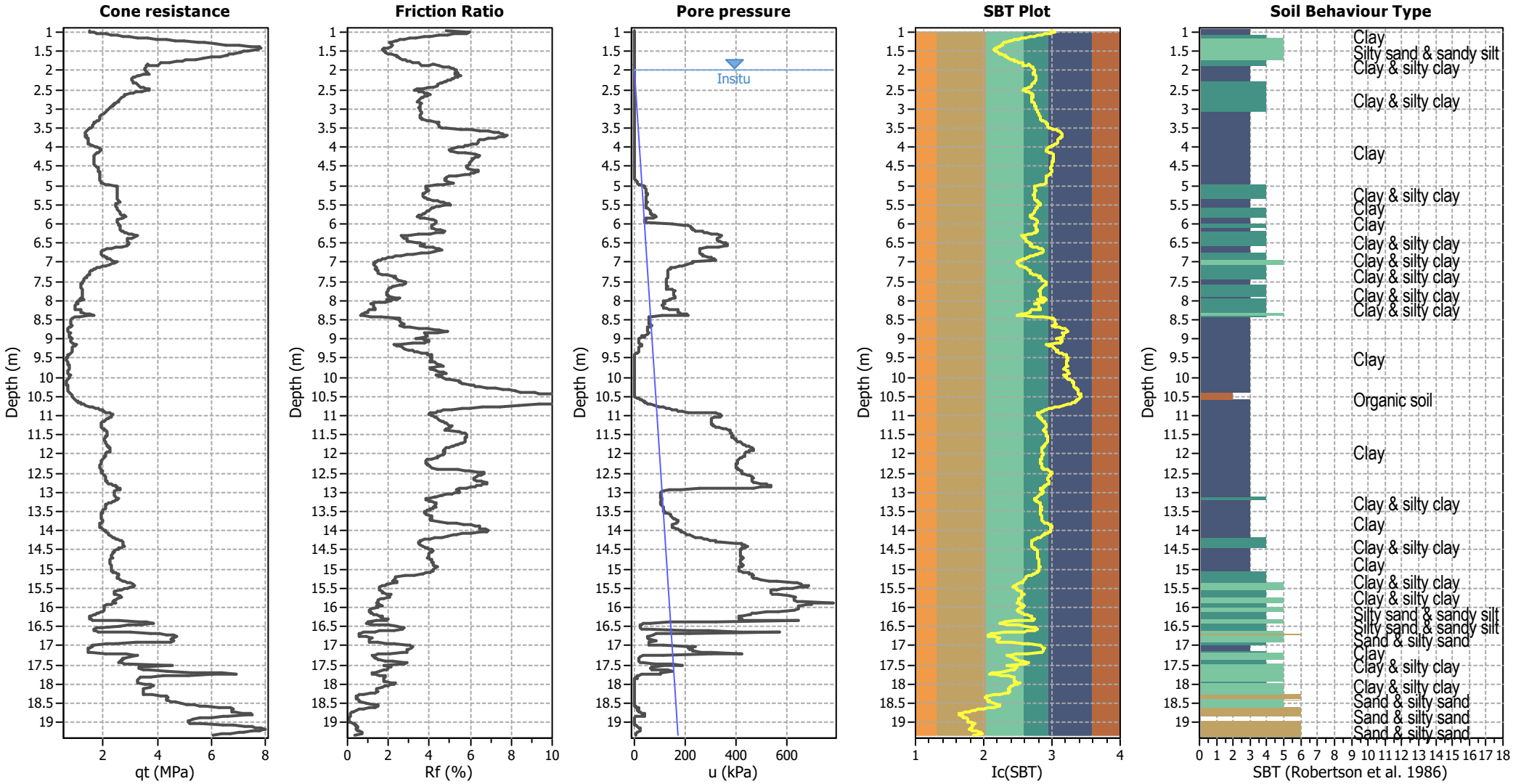






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



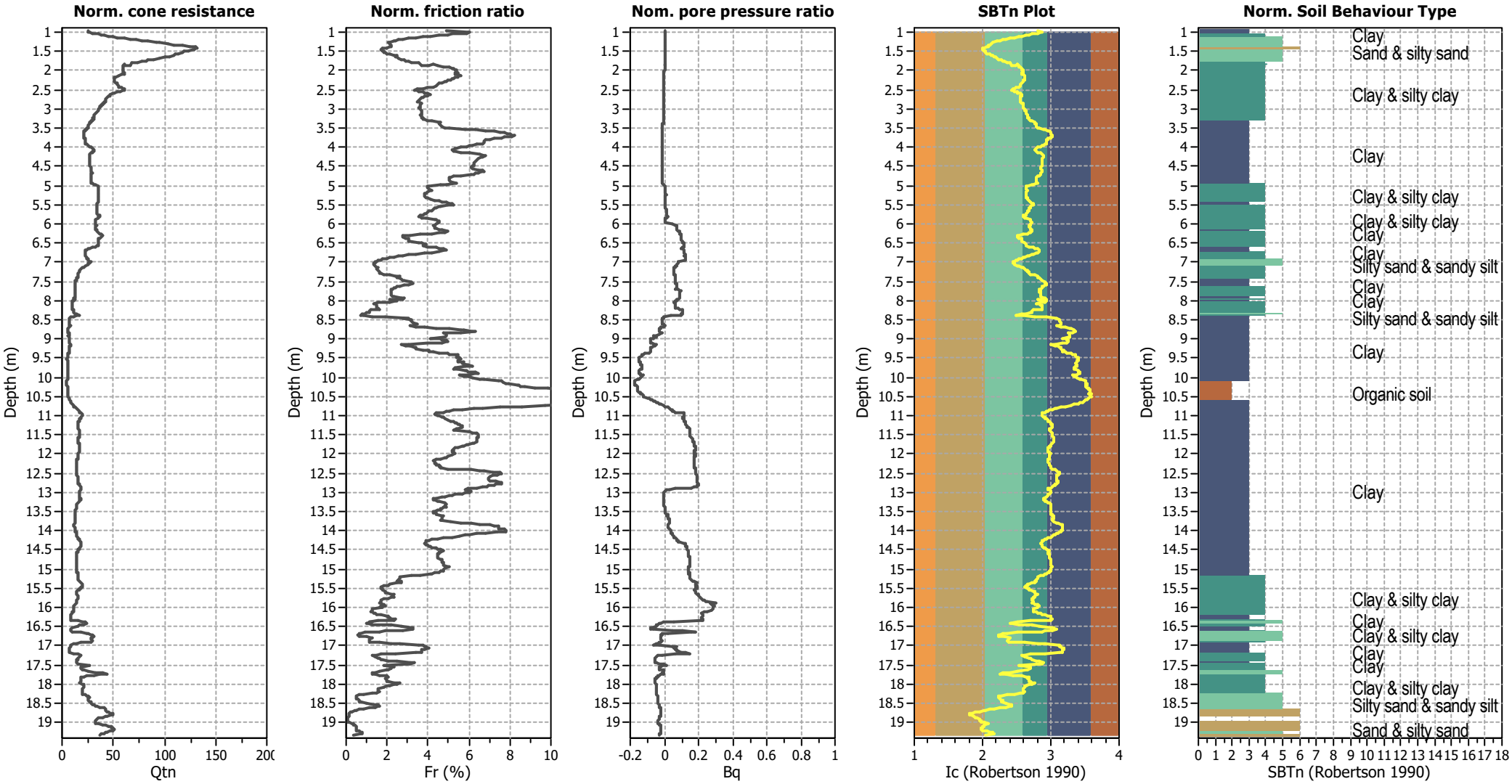
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



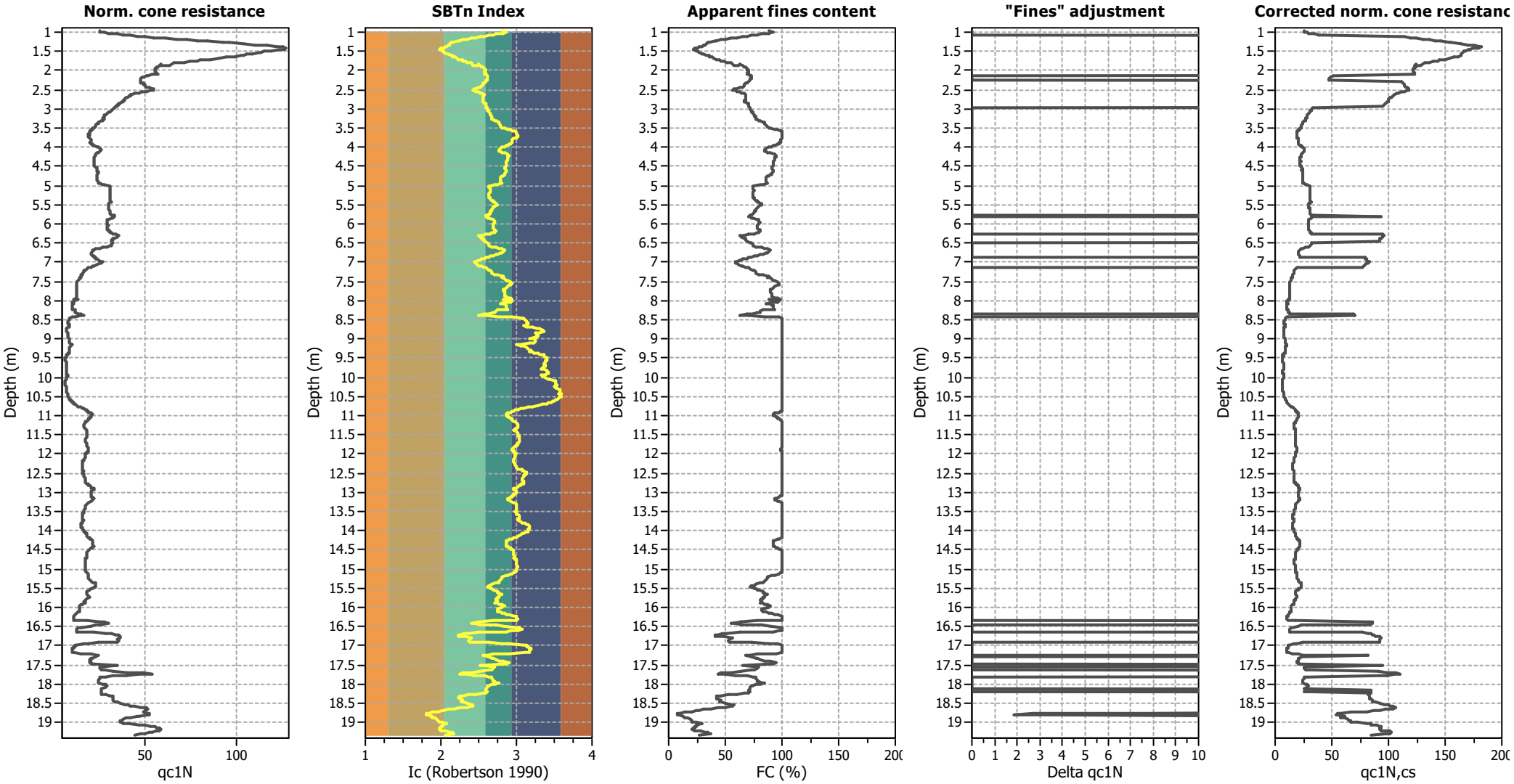
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

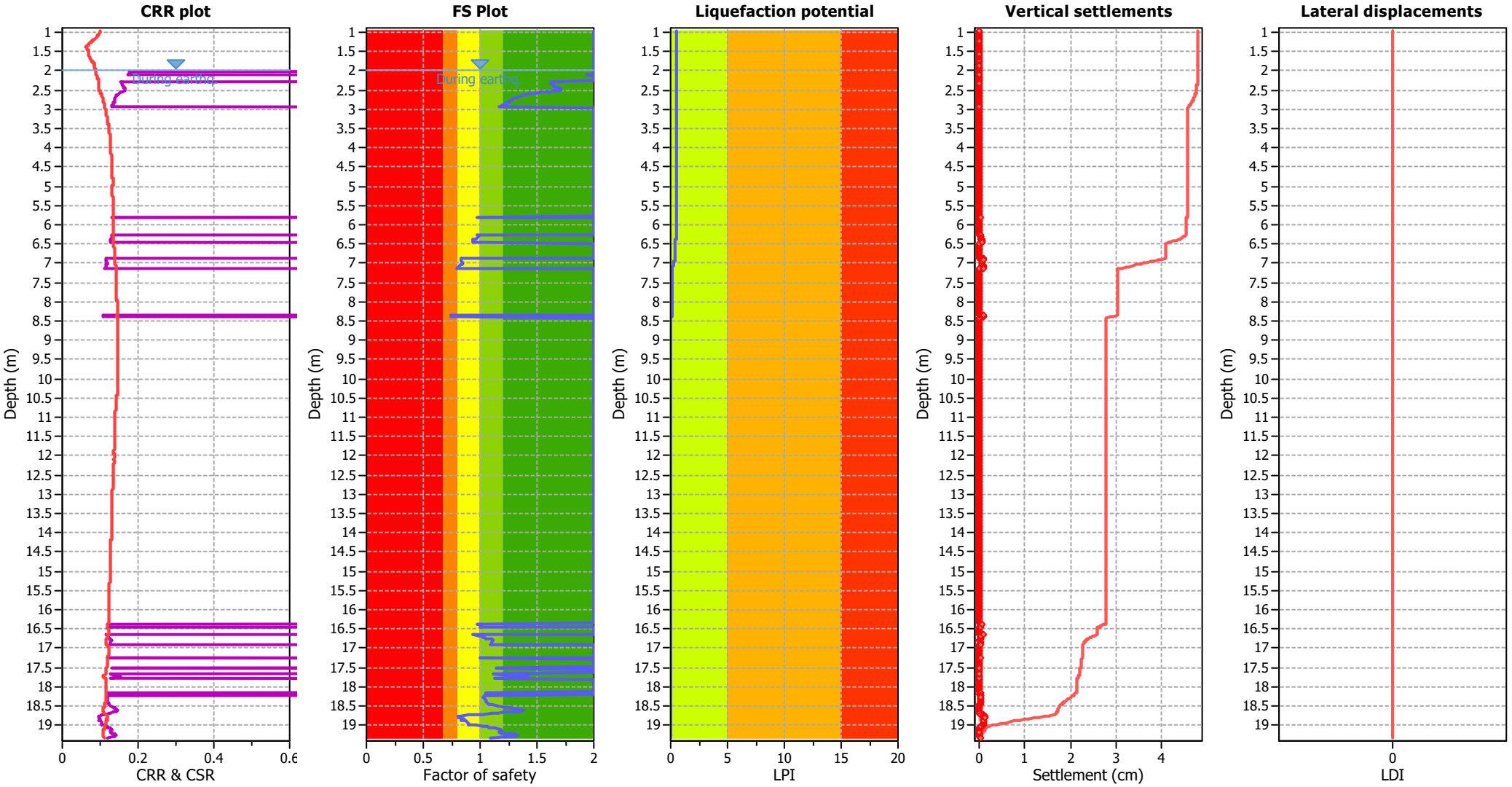
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

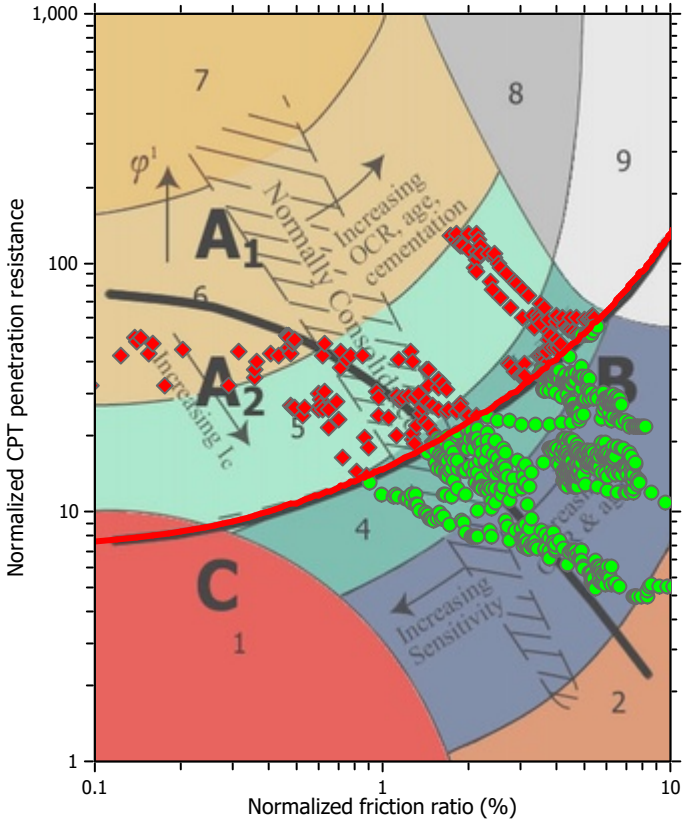
F.S. color scheme

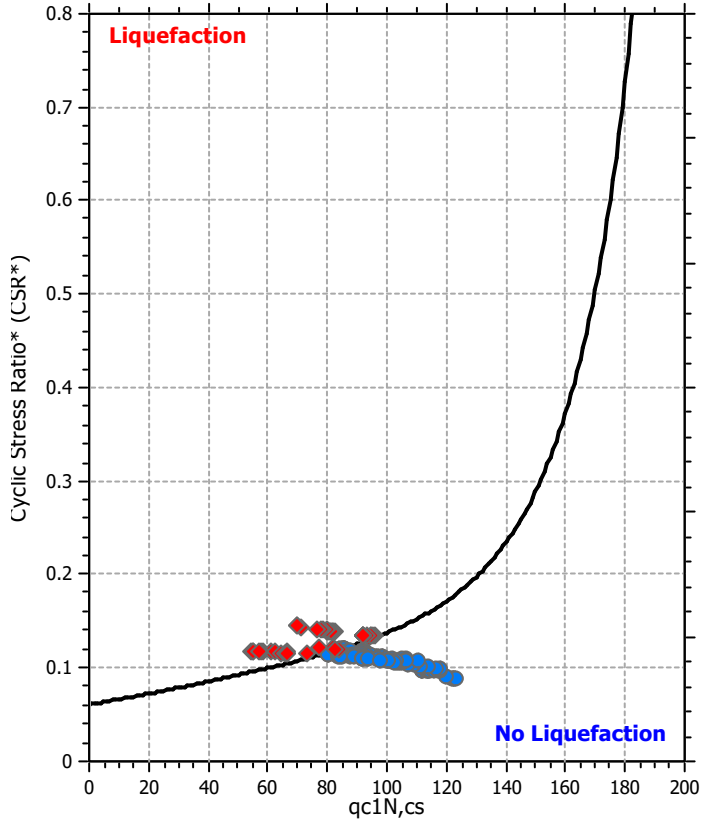
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

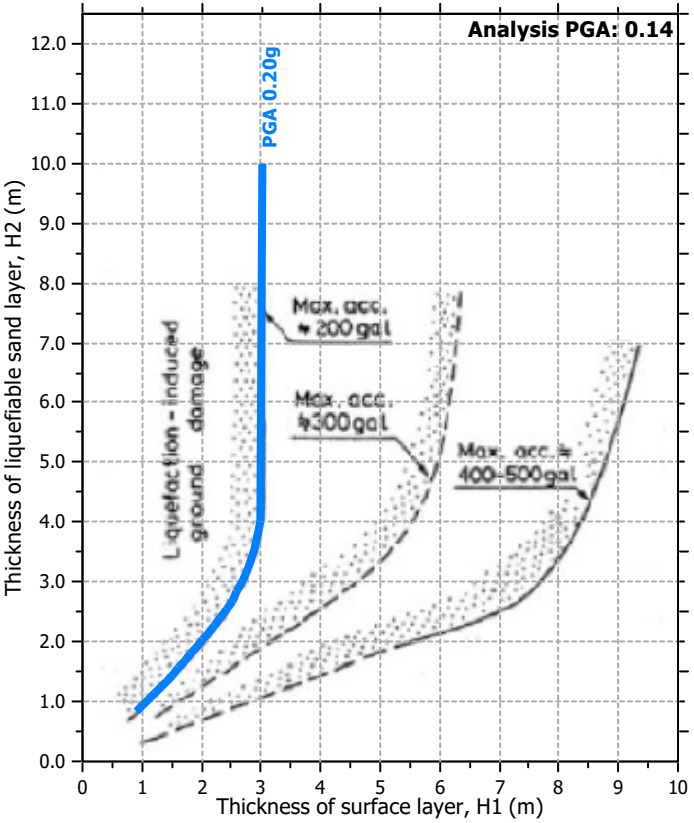
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



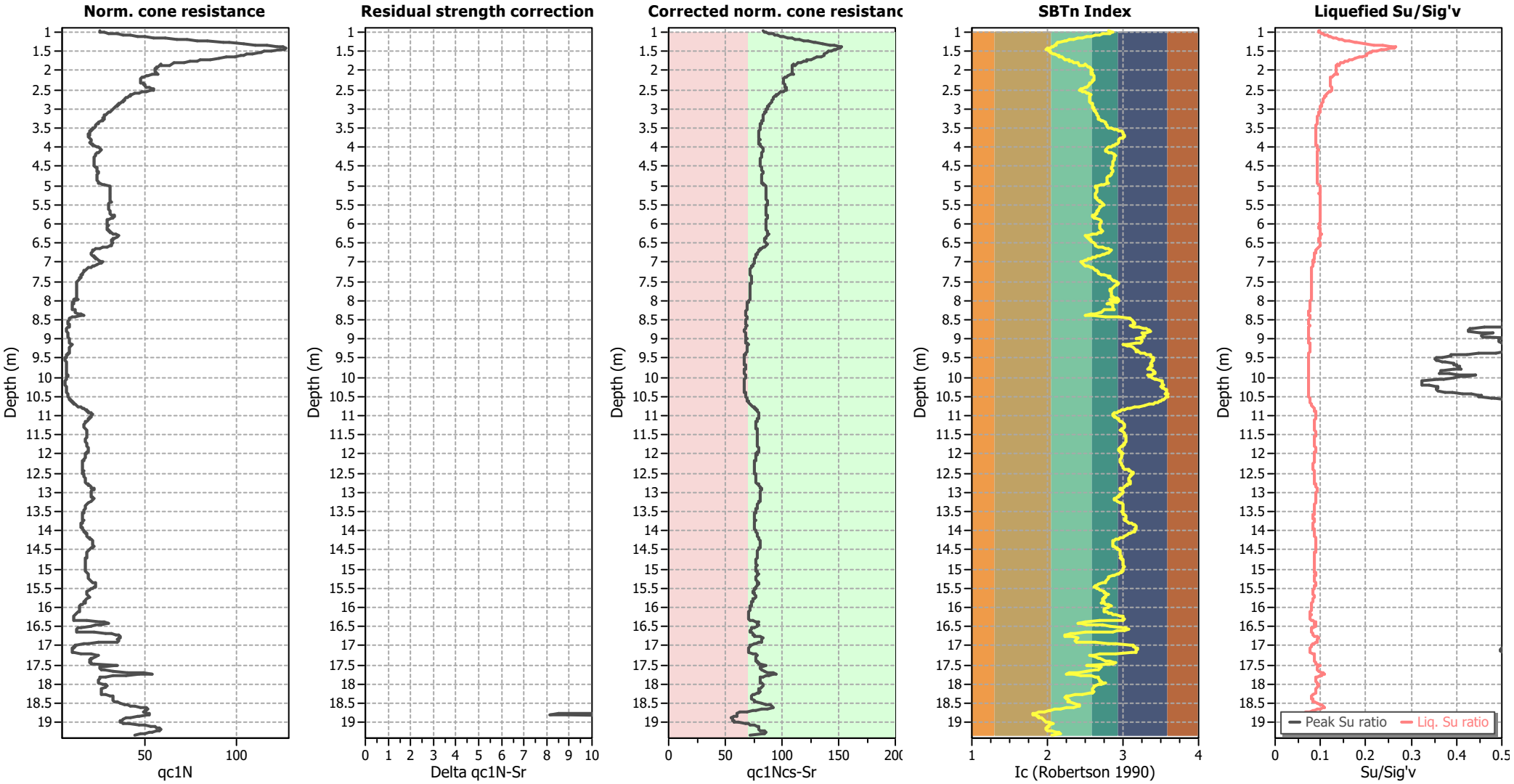




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	1.93	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	1.62	0.00	0.00	0.02	0.00	2.30	1.62	0.00	0.00	0.02	0.00
2.32	1.62	0.00	0.00	0.02	0.00	2.34	1.64	0.00	0.00	0.02	0.00
2.36	1.65	0.00	0.00	0.02	0.00	2.38	1.64	0.00	0.00	0.02	0.00
2.40	1.65	0.00	0.00	0.02	0.00	2.42	1.66	0.00	0.00	0.02	0.00
2.44	1.69	0.00	0.00	0.02	0.00	2.46	1.71	0.00	0.00	0.02	0.00
2.48	1.72	0.00	0.00	0.02	0.00	2.50	1.71	0.00	0.00	0.02	0.00
2.52	1.67	0.00	0.00	0.02	0.00	2.54	1.60	0.00	0.00	0.02	0.00
2.56	1.53	0.00	0.00	0.02	0.00	2.58	1.48	0.00	0.00	0.02	0.00
2.60	1.44	0.00	0.00	0.02	0.00	2.62	1.39	0.00	0.00	0.02	0.00
2.64	1.38	0.00	0.00	0.02	0.00	2.66	1.36	0.00	0.00	0.02	0.00
2.68	1.34	0.00	0.00	0.02	0.00	2.70	1.32	0.00	0.00	0.02	0.00
2.72	1.30	0.00	0.00	0.02	0.00	2.74	1.28	0.00	0.00	0.02	0.00
2.76	1.27	0.00	0.00	0.02	0.00	2.78	1.26	0.00	0.00	0.02	0.00
2.80	1.26	0.00	0.00	0.02	0.00	2.82	1.24	0.00	0.00	0.02	0.00
2.84	1.23	0.00	0.00	0.02	0.00	2.86	1.21	0.00	0.00	0.02	0.00
2.88	1.20	0.00	0.00	0.02	0.00	2.90	1.19	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.92	1.18	0.00	0.00	0.02	0.00	2.94	1.16	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	0.97	0.03	1411.76	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	0.98	0.02	5724.56	0.02	0.00	6.30	0.99	0.01	1164206.25	0.02	0.00
6.32	0.98	0.02	128651.86	0.02	0.00	6.34	0.97	0.03	1199.33	0.02	0.00
6.36	0.96	0.04	87.19	0.02	0.01	6.38	0.94	0.06	26.80	0.02	0.01
6.40	0.94	0.06	25.84	0.02	0.01	6.42	0.94	0.06	25.14	0.02	0.01
6.44	0.94	0.06	24.71	0.02	0.01	6.46	0.94	0.06	24.89	0.02	0.01
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	0.83	0.17	2.13	0.02	0.02	6.90	0.83	0.17	2.12	0.02	0.02
6.92	0.83	0.17	2.24	0.02	0.02	6.94	0.83	0.17	2.26	0.02	0.02
6.96	0.83	0.17	2.20	0.02	0.02	6.98	0.84	0.16	2.46	0.02	0.02
7.00	0.85	0.15	2.68	0.02	0.02	7.02	0.84	0.16	2.46	0.02	0.02
7.04	0.83	0.17	2.23	0.02	0.02	7.06	0.82	0.18	2.04	0.02	0.02
7.08	0.81	0.19	1.85	0.02	0.02	7.10	0.81	0.19	1.75	0.02	0.02
7.12	0.80	0.20	1.63	0.02	0.03	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	0.74	0.26	1.13	0.02	0.03	8.38	0.75	0.25	1.18	0.02	0.03
8.40	0.74	0.26	1.14	0.02	0.03	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.10	2.00	0.00	0.00	0.02	0.00
9.12	2.00	0.00	0.00	0.02	0.00	9.14	2.00	0.00	0.00	0.02	0.00
9.16	2.00	0.00	0.00	0.02	0.00	9.18	2.00	0.00	0.00	0.02	0.00
9.20	2.00	0.00	0.00	0.02	0.00	9.22	2.00	0.00	0.00	0.02	0.00
9.24	2.00	0.00	0.00	0.02	0.00	9.26	2.00	0.00	0.00	0.02	0.00
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	2.00	0.00	0.00	0.02	0.00	9.38	2.00	0.00	0.00	0.02	0.00
9.40	2.00	0.00	0.00	0.02	0.00	9.42	2.00	0.00	0.00	0.02	0.00
9.44	2.00	0.00	0.00	0.02	0.00	9.46	2.00	0.00	0.00	0.02	0.00
9.48	2.00	0.00	0.00	0.02	0.00	9.50	2.00	0.00	0.00	0.02	0.00
9.52	2.00	0.00	0.00	0.02	0.00	9.54	2.00	0.00	0.00	0.02	0.00
9.56	2.00	0.00	0.00	0.02	0.00	9.58	2.00	0.00	0.00	0.02	0.00
9.60	2.00	0.00	0.00	0.02	0.00	9.62	2.00	0.00	0.00	0.02	0.00
9.64	2.00	0.00	0.00	0.02	0.00	9.66	2.00	0.00	0.00	0.02	0.00
9.68	2.00	0.00	0.00	0.02	0.00	9.70	2.00	0.00	0.00	0.02	0.00
9.72	2.00	0.00	0.00	0.02	0.00	9.74	2.00	0.00	0.00	0.02	0.00
9.76	2.00	0.00	0.00	0.02	0.00	9.78	2.00	0.00	0.00	0.02	0.00
9.80	2.00	0.00	0.00	0.02	0.00	9.82	2.00	0.00	0.00	0.02	0.00
9.84	2.00	0.00	0.00	0.02	0.00	9.86	2.00	0.00	0.00	0.02	0.00
9.88	2.00	0.00	0.00	0.02	0.00	9.90	2.00	0.00	0.00	0.02	0.00
9.92	2.00	0.00	0.00	0.02	0.00	9.94	2.00	0.00	0.00	0.02	0.00
9.96	2.00	0.00	0.00	0.02	0.00	9.98	2.00	0.00	0.00	0.02	0.00
10.00	2.00	0.00	0.00	0.02	0.00	10.02	2.00	0.00	0.00	0.02	0.00
10.04	2.00	0.00	0.00	0.02	0.00	10.06	2.00	0.00	0.00	0.02	0.00
10.08	2.00	0.00	0.00	0.02	0.00	10.10	2.00	0.00	0.00	0.02	0.00
10.12	2.00	0.00	0.00	0.02	0.00	10.14	2.00	0.00	0.00	0.02	0.00
10.16	2.00	0.00	0.00	0.02	0.00	10.18	2.00	0.00	0.00	0.02	0.00
10.20	2.00	0.00	0.00	0.02	0.00	10.21	2.00	0.00	0.00	0.02	0.00
10.23	2.00	0.00	0.00	0.02	0.00	10.25	2.00	0.00	0.00	0.02	0.00
10.27	2.00	0.00	0.00	0.02	0.00	10.29	2.00	0.00	0.00	0.02	0.00
10.31	2.00	0.00	0.00	0.02	0.00	10.33	2.00	0.00	0.00	0.02	0.00
10.35	2.00	0.00	0.00	0.02	0.00	10.37	2.00	0.00	0.00	0.02	0.00
10.39	2.00	0.00	0.00	0.02	0.00	10.41	2.00	0.00	0.00	0.02	0.00
10.43	2.00	0.00	0.00	0.02	0.00	10.45	2.00	0.00	0.00	0.02	0.00
10.47	2.00	0.00	0.00	0.02	0.00	10.49	2.00	0.00	0.00	0.02	0.00
10.51	2.00	0.00	0.00	0.02	0.00	10.53	2.00	0.00	0.00	0.02	0.00
10.55	2.00	0.00	0.00	0.02	0.00	10.57	2.00	0.00	0.00	0.02	0.00
10.59	2.00	0.00	0.00	0.02	0.00	10.61	2.00	0.00	0.00	0.02	0.00
10.63	2.00	0.00	0.00	0.02	0.00	10.65	2.00	0.00	0.00	0.02	0.00
10.67	2.00	0.00	0.00	0.02	0.00	10.69	2.00	0.00	0.00	0.02	0.00
10.71	2.00	0.00	0.00	0.02	0.00	10.73	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.75	2.00	0.00	0.00	0.02	0.00	10.77	2.00	0.00	0.00	0.02	0.00
10.79	2.00	0.00	0.00	0.02	0.00	10.81	2.00	0.00	0.00	0.02	0.00
10.83	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.02	0.00
10.87	2.00	0.00	0.00	0.02	0.00	10.89	2.00	0.00	0.00	0.02	0.00
10.91	2.00	0.00	0.00	0.02	0.00	10.93	2.00	0.00	0.00	0.02	0.00
10.95	2.00	0.00	0.00	0.02	0.00	10.97	2.00	0.00	0.00	0.02	0.00
10.99	2.00	0.00	0.00	0.02	0.00	11.01	2.00	0.00	0.00	0.02	0.00
11.03	2.00	0.00	0.00	0.02	0.00	11.05	2.00	0.00	0.00	0.02	0.00
11.07	2.00	0.00	0.00	0.02	0.00	11.09	2.00	0.00	0.00	0.02	0.00
11.11	2.00	0.00	0.00	0.02	0.00	11.13	2.00	0.00	0.00	0.02	0.00
11.15	2.00	0.00	0.00	0.02	0.00	11.17	2.00	0.00	0.00	0.02	0.00
11.19	2.00	0.00	0.00	0.02	0.00	11.21	2.00	0.00	0.00	0.02	0.00
11.23	2.00	0.00	0.00	0.02	0.00	11.25	2.00	0.00	0.00	0.02	0.00
11.27	2.00	0.00	0.00	0.02	0.00	11.29	2.00	0.00	0.00	0.02	0.00
11.31	2.00	0.00	0.00	0.02	0.00	11.33	2.00	0.00	0.00	0.02	0.00
11.35	2.00	0.00	0.00	0.02	0.00	11.37	2.00	0.00	0.00	0.02	0.00
11.39	2.00	0.00	0.00	0.02	0.00	11.41	2.00	0.00	0.00	0.02	0.00
11.43	2.00	0.00	0.00	0.02	0.00	11.45	2.00	0.00	0.00	0.02	0.00
11.47	2.00	0.00	0.00	0.02	0.00	11.49	2.00	0.00	0.00	0.02	0.00
11.51	2.00	0.00	0.00	0.02	0.00	11.53	2.00	0.00	0.00	0.02	0.00
11.55	2.00	0.00	0.00	0.02	0.00	11.57	2.00	0.00	0.00	0.02	0.00
11.59	2.00	0.00	0.00	0.02	0.00	11.61	2.00	0.00	0.00	0.02	0.00
11.63	2.00	0.00	0.00	0.02	0.00	11.65	2.00	0.00	0.00	0.02	0.00
11.67	2.00	0.00	0.00	0.02	0.00	11.69	2.00	0.00	0.00	0.02	0.00
11.71	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	2.00	0.00	0.00	0.02	0.00	12.05	2.00	0.00	0.00	0.02	0.00
12.07	2.00	0.00	0.00	0.02	0.00	12.09	2.00	0.00	0.00	0.02	0.00
12.11	2.00	0.00	0.00	0.02	0.00	12.13	2.00	0.00	0.00	0.02	0.00
12.15	2.00	0.00	0.00	0.02	0.00	12.17	2.00	0.00	0.00	0.02	0.00
12.19	2.00	0.00	0.00	0.02	0.00	12.21	2.00	0.00	0.00	0.02	0.00
12.23	2.00	0.00	0.00	0.02	0.00	12.25	2.00	0.00	0.00	0.02	0.00
12.27	2.00	0.00	0.00	0.02	0.00	12.29	2.00	0.00	0.00	0.02	0.00
12.31	2.00	0.00	0.00	0.02	0.00	12.33	2.00	0.00	0.00	0.02	0.00
12.35	2.00	0.00	0.00	0.02	0.00	12.37	2.00	0.00	0.00	0.02	0.00
12.39	2.00	0.00	0.00	0.02	0.00	12.41	2.00	0.00	0.00	0.02	0.00
12.43	2.00	0.00	0.00	0.02	0.00	12.45	2.00	0.00	0.00	0.02	0.00
12.47	2.00	0.00	0.00	0.02	0.00	12.49	2.00	0.00	0.00	0.02	0.00
12.51	2.00	0.00	0.00	0.02	0.00	12.53	2.00	0.00	0.00	0.02	0.00
12.55	2.00	0.00	0.00	0.02	0.00	12.57	2.00	0.00	0.00	0.02	0.00
12.59	2.00	0.00	0.00	0.02	0.00	12.61	2.00	0.00	0.00	0.02	0.00
12.63	2.00	0.00	0.00	0.02	0.00	12.65	2.00	0.00	0.00	0.02	0.00
12.67	2.00	0.00	0.00	0.02	0.00	12.69	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.71	2.00	0.00	0.00	0.02	0.00	12.73	2.00	0.00	0.00	0.02	0.00
12.75	2.00	0.00	0.00	0.02	0.00	12.77	2.00	0.00	0.00	0.02	0.00
12.79	2.00	0.00	0.00	0.02	0.00	12.81	2.00	0.00	0.00	0.02	0.00
12.83	2.00	0.00	0.00	0.02	0.00	12.85	2.00	0.00	0.00	0.02	0.00
12.87	2.00	0.00	0.00	0.02	0.00	12.89	2.00	0.00	0.00	0.02	0.00
12.91	2.00	0.00	0.00	0.02	0.00	12.93	2.00	0.00	0.00	0.02	0.00
12.95	2.00	0.00	0.00	0.02	0.00	12.97	2.00	0.00	0.00	0.02	0.00
12.99	2.00	0.00	0.00	0.02	0.00	13.01	2.00	0.00	0.00	0.02	0.00
13.03	2.00	0.00	0.00	0.02	0.00	13.05	2.00	0.00	0.00	0.02	0.00
13.07	2.00	0.00	0.00	0.02	0.00	13.09	2.00	0.00	0.00	0.02	0.00
13.11	2.00	0.00	0.00	0.02	0.00	13.13	2.00	0.00	0.00	0.02	0.00
13.15	2.00	0.00	0.00	0.02	0.00	13.17	2.00	0.00	0.00	0.02	0.00
13.19	2.00	0.00	0.00	0.02	0.00	13.21	2.00	0.00	0.00	0.02	0.00
13.23	2.00	0.00	0.00	0.02	0.00	13.25	2.00	0.00	0.00	0.02	0.00
13.27	2.00	0.00	0.00	0.02	0.00	13.29	2.00	0.00	0.00	0.02	0.00
13.31	2.00	0.00	0.00	0.02	0.00	13.33	2.00	0.00	0.00	0.02	0.00
13.35	2.00	0.00	0.00	0.02	0.00	13.37	2.00	0.00	0.00	0.02	0.00
13.39	2.00	0.00	0.00	0.02	0.00	13.41	2.00	0.00	0.00	0.02	0.00
13.43	2.00	0.00	0.00	0.02	0.00	13.45	2.00	0.00	0.00	0.02	0.00
13.47	2.00	0.00	0.00	0.02	0.00	13.49	2.00	0.00	0.00	0.02	0.00
13.51	2.00	0.00	0.00	0.02	0.00	13.53	2.00	0.00	0.00	0.02	0.00
13.55	2.00	0.00	0.00	0.02	0.00	13.57	2.00	0.00	0.00	0.02	0.00
13.59	2.00	0.00	0.00	0.02	0.00	13.61	2.00	0.00	0.00	0.02	0.00
13.63	2.00	0.00	0.00	0.02	0.00	13.65	2.00	0.00	0.00	0.02	0.00
13.67	2.00	0.00	0.00	0.02	0.00	13.69	2.00	0.00	0.00	0.02	0.00
13.71	2.00	0.00	0.00	0.02	0.00	13.73	2.00	0.00	0.00	0.02	0.00
13.75	2.00	0.00	0.00	0.02	0.00	13.77	2.00	0.00	0.00	0.02	0.00
13.79	2.00	0.00	0.00	0.02	0.00	13.81	2.00	0.00	0.00	0.02	0.00
13.83	2.00	0.00	0.00	0.02	0.00	13.85	2.00	0.00	0.00	0.02	0.00
13.87	2.00	0.00	0.00	0.02	0.00	13.89	2.00	0.00	0.00	0.02	0.00
13.91	2.00	0.00	0.00	0.02	0.00	13.93	2.00	0.00	0.00	0.02	0.00
13.95	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.19	2.00	0.00	0.00	0.02	0.00
16.21	2.00	0.00	0.00	0.02	0.00	16.23	2.00	0.00	0.00	0.02	0.00
16.25	2.00	0.00	0.00	0.02	0.00	16.27	2.00	0.00	0.00	0.02	0.00
16.29	2.00	0.00	0.00	0.02	0.00	16.31	2.00	0.00	0.00	0.02	0.00
16.33	2.00	0.00	0.00	0.02	0.00	16.35	2.00	0.00	0.00	0.02	0.00
16.37	0.97	0.03	859.81	0.02	0.00	16.39	1.01	0.00	0.00	0.02	0.00
16.41	1.02	0.00	0.00	0.02	0.00	16.43	1.02	0.00	0.00	0.02	0.00
16.45	0.99	0.01	304136374 180317.00	0.02	0.00	16.47	2.00	0.00	0.00	0.02	0.00
16.49	2.00	0.00	0.00	0.02	0.00	16.51	2.00	0.00	0.00	0.02	0.00
16.53	2.00	0.00	0.00	0.02	0.00	16.55	2.00	0.00	0.00	0.02	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.59	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.61	2.00	0.00	0.00	0.02	0.00	16.63	2.00	0.00	0.00	0.02	0.00
16.65	0.94	0.06	23.16	0.02	0.00	16.67	0.99	0.01	4541572.27	0.02	0.00
16.69	1.01	0.00	0.00	0.02	0.00	16.71	1.02	0.00	0.00	0.02	0.00
16.73	1.04	0.00	0.00	0.02	0.00	16.75	1.05	0.00	0.00	0.02	0.00
16.77	1.10	0.00	0.00	0.02	0.00	16.79	1.11	0.00	0.00	0.02	0.00
16.81	1.11	0.00	0.00	0.02	0.00	16.83	1.10	0.00	0.00	0.02	0.00
16.85	1.10	0.00	0.00	0.02	0.00	16.87	1.10	0.00	0.00	0.02	0.00
16.89	1.09	0.00	0.00	0.02	0.00	16.91	2.00	0.00	0.00	0.02	0.00
16.93	2.00	0.00	0.00	0.02	0.00	16.95	2.00	0.00	0.00	0.02	0.00
16.97	2.00	0.00	0.00	0.02	0.00	16.99	2.00	0.00	0.00	0.02	0.00
17.01	2.00	0.00	0.00	0.02	0.00	17.03	2.00	0.00	0.00	0.02	0.00
17.05	2.00	0.00	0.00	0.02	0.00	17.07	2.00	0.00	0.00	0.02	0.00
17.09	2.00	0.00	0.00	0.02	0.00	17.11	2.00	0.00	0.00	0.02	0.00
17.13	2.00	0.00	0.00	0.02	0.00	17.15	2.00	0.00	0.00	0.02	0.00
17.17	2.00	0.00	0.00	0.02	0.00	17.19	2.00	0.00	0.00	0.02	0.00
17.21	2.00	0.00	0.00	0.02	0.00	17.23	2.00	0.00	0.00	0.02	0.00
17.25	2.00	0.00	0.00	0.02	0.00	17.27	1.00	0.00	0.00	0.02	0.00
17.29	2.00	0.00	0.00	0.02	0.00	17.31	2.00	0.00	0.00	0.02	0.00
17.33	2.00	0.00	0.00	0.02	0.00	17.35	2.00	0.00	0.00	0.02	0.00
17.37	2.00	0.00	0.00	0.02	0.00	17.39	2.00	0.00	0.00	0.02	0.00
17.41	2.00	0.00	0.00	0.02	0.00	17.43	2.00	0.00	0.00	0.02	0.00
17.45	2.00	0.00	0.00	0.02	0.00	17.47	2.00	0.00	0.00	0.02	0.00
17.49	2.00	0.00	0.00	0.02	0.00	17.51	1.15	0.00	0.00	0.02	0.00
17.53	1.14	0.00	0.00	0.02	0.00	17.55	2.00	0.00	0.00	0.02	0.00
17.57	2.00	0.00	0.00	0.02	0.00	17.59	2.00	0.00	0.00	0.02	0.00
17.61	2.00	0.00	0.00	0.02	0.00	17.63	2.00	0.00	0.00	0.02	0.00
17.65	2.00	0.00	0.00	0.02	0.00	17.67	1.12	0.00	0.00	0.02	0.00
17.69	1.21	0.00	0.00	0.02	0.00	17.71	1.35	0.00	0.00	0.02	0.00
17.73	1.42	0.00	0.00	0.02	0.00	17.75	1.33	0.00	0.00	0.02	0.00
17.77	1.22	0.00	0.00	0.02	0.00	17.79	1.13	0.00	0.00	0.02	0.00
17.81	2.00	0.00	0.00	0.02	0.00	17.83	2.00	0.00	0.00	0.02	0.00
17.85	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.88	2.00	0.00	0.00	0.02	0.00	17.90	2.00	0.00	0.00	0.02	0.00
17.92	2.00	0.00	0.00	0.02	0.00	17.94	2.00	0.00	0.00	0.02	0.00
17.96	2.00	0.00	0.00	0.02	0.00	17.98	2.00	0.00	0.00	0.02	0.00
18.00	2.00	0.00	0.00	0.02	0.00	18.02	2.00	0.00	0.00	0.02	0.00
18.04	2.00	0.00	0.00	0.02	0.00	18.06	2.00	0.00	0.00	0.02	0.00
18.08	2.00	0.00	0.00	0.02	0.00	18.10	2.00	0.00	0.00	0.02	0.00
18.12	2.00	0.00	0.00	0.02	0.00	18.14	1.05	0.00	0.00	0.02	0.00
18.16	1.05	0.00	0.00	0.02	0.00	18.18	1.05	0.00	0.00	0.02	0.00
18.20	2.00	0.00	0.00	0.02	0.00	18.22	1.05	0.00	0.00	0.02	0.00
18.24	1.04	0.00	0.00	0.02	0.00	18.26	1.03	0.00	0.00	0.02	0.00
18.28	1.03	0.00	0.00	0.02	0.00	18.30	1.04	0.00	0.00	0.02	0.00
18.32	1.04	0.00	0.00	0.02	0.00	18.34	1.04	0.00	0.00	0.02	0.00
18.36	1.05	0.00	0.00	0.02	0.00	18.38	1.05	0.00	0.00	0.02	0.00
18.40	1.05	0.00	0.00	0.02	0.00	18.42	1.07	0.00	0.00	0.02	0.00
18.44	1.07	0.00	0.00	0.02	0.00	18.46	1.08	0.00	0.00	0.02	0.00
18.48	1.10	0.00	0.00	0.02	0.00	18.50	1.16	0.00	0.00	0.02	0.00
18.52	1.21	0.00	0.00	0.02	0.00	18.54	1.26	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.56	1.30	0.00	0.00	0.02	0.00	18.58	1.32	0.00	0.00	0.02	0.00
18.60	1.38	0.00	0.00	0.02	0.00	18.62	1.39	0.00	0.00	0.02	0.00
18.64	1.33	0.00	0.00	0.02	0.00	18.66	1.23	0.00	0.00	0.02	0.00
18.68	1.15	0.00	0.00	0.02	0.00	18.70	1.10	0.00	0.00	0.02	0.00
18.72	1.02	0.00	0.00	0.02	0.00	18.74	0.90	0.10	5.46	0.02	0.00
18.76	0.83	0.17	2.25	0.02	0.00	18.78	0.81	0.19	1.84	0.02	0.00
18.80	0.81	0.19	1.77	0.02	0.00	18.82	0.81	0.19	1.83	0.02	0.00
18.84	0.86	0.14	2.92	0.02	0.00	18.86	0.84	0.16	2.28	0.02	0.00
18.88	0.83	0.17	2.16	0.02	0.00	18.90	0.87	0.13	3.34	0.02	0.00
18.92	0.89	0.11	4.58	0.02	0.00	18.94	0.90	0.10	5.51	0.02	0.00
18.96	0.90	0.10	6.11	0.02	0.00	18.98	0.90	0.10	6.47	0.02	0.00
19.00	0.96	0.04	102.35	0.02	0.00	19.02	1.03	0.00	0.00	0.02	0.00
19.04	1.07	0.00	0.00	0.02	0.00	19.06	1.08	0.00	0.00	0.02	0.00
19.08	1.13	0.00	0.00	0.02	0.00	19.10	1.17	0.00	0.00	0.02	0.00
19.12	1.18	0.00	0.00	0.02	0.00	19.14	1.19	0.00	0.00	0.02	0.00
19.16	1.17	0.00	0.00	0.02	0.00	19.18	1.17	0.00	0.00	0.02	0.00
19.20	1.17	0.00	0.00	0.02	0.00	19.21	1.20	0.00	0.00	0.02	0.00
19.23	1.30	0.00	0.00	0.02	0.00	19.25	1.32	0.00	0.00	0.02	0.00
19.27	1.33	0.00	0.00	0.02	0.00	19.29	1.30	0.00	0.00	0.02	0.00
19.31	1.26	0.00	0.00	0.02	0.00	19.33	1.09	0.00	0.00	0.02	0.00

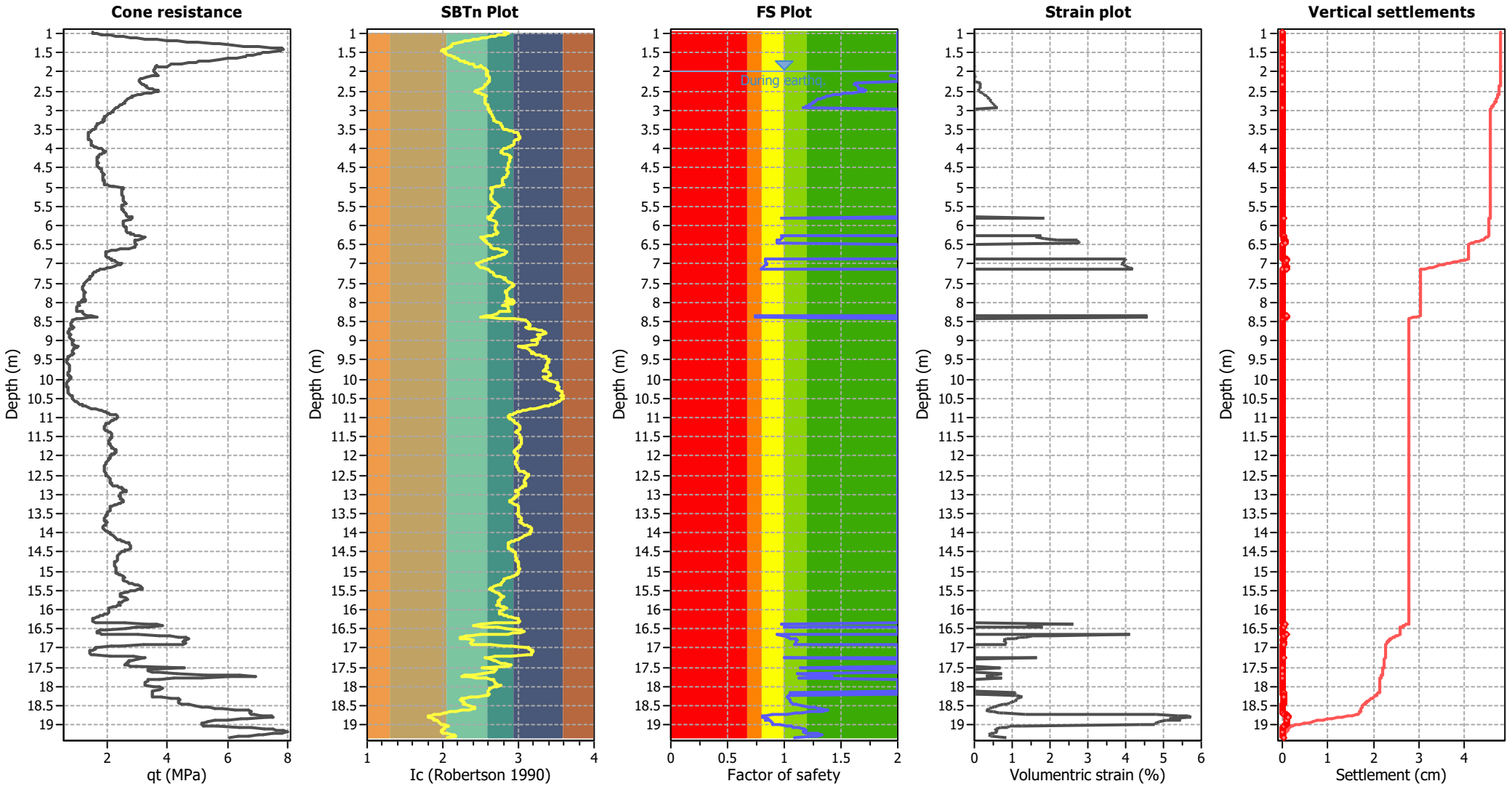
Overall liquefaction potential: 0.47

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.96	2.82	25.16	6.04	152.03	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	2.87	25.38	6.79	172.29	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	2.85	27.28	6.55	178.74	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.02	2.82	29.73	6.08	180.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.04	2.73	34.88	5.04	175.95	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	2.69	37.96	4.62	175.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.63	41.79	4.04	168.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.58	45.78	3.54	162.28	43	64047	0.09	0.003	0.00	3.58	0.00	0.000
1.12	2.53	49.25	3.16	155.74	41	64723	0.09	0.003	0.00	3.58	0.00	0.000
1.14	2.46	54.55	2.74	149.27	38	66211	0.09	0.003	0.00	3.58	0.00	0.000
1.16	2.40	60.50	2.37	143.46	35	67750	0.09	0.003	0.00	3.58	0.00	0.000
1.18	2.34	66.56	2.09	139.14	33	69205	0.08	0.003	0.00	3.58	0.00	0.000
1.20	2.29	72.18	1.89	136.59	32	70481	0.08	0.003	0.00	3.58	0.00	0.000
1.22	2.25	77.84	1.74	135.75	31	71857	0.08	0.003	0.00	3.58	0.00	0.000
1.24	2.22	83.42	1.67	139.32	32	74561	0.08	0.003	0.00	3.58	0.00	0.000
1.26	2.16	92.62	1.52	140.84	31	76436	0.08	0.003	0.00	3.58	0.00	0.000
1.28	2.14	95.58	1.49	141.99	31	77093	0.07	0.003	0.00	3.58	0.00	0.000
1.30	2.12	103.28	1.45	150.10	33	81386	0.07	0.003	0.00	3.58	0.00	0.000
1.32	2.12	109.36	1.45	158.03	34	85625	0.07	0.003	0.00	3.58	0.00	0.000
1.34	2.09	117.39	1.41	165.56	36	89299	0.07	0.003	0.00	3.58	0.00	0.000
1.36	2.08	124.88	1.39	173.01	37	92804	0.06	0.003	0.00	3.58	0.00	0.000
1.38	2.06	130.07	1.36	177.05	38	94230	0.06	0.003	0.00	3.58	0.00	0.000
1.40	2.03	131.26	1.34	175.34	37	92245	0.06	0.003	0.00	3.58	0.00	0.000
1.42	2.00	130.44	1.31	170.68	36	88247	0.07	0.003	0.00	3.58	0.00	0.000
1.44	1.99	129.52	1.30	168.29	35	86383	0.07	0.003	0.00	3.58	0.00	0.000
1.46	2.00	127.85	1.30	166.63	35	85808	0.07	0.003	0.00	3.58	0.00	0.000
1.48	2.02	122.96	1.32	162.64	34	84919	0.07	0.003	0.00	3.58	0.00	0.000
1.50	2.03	119.78	1.34	160.34	34	84481	0.07	0.003	0.00	3.58	0.00	0.000
1.52	2.04	118.12	1.35	159.22	34	84273	0.07	0.003	0.00	3.58	0.00	0.000
1.54	2.05	117.57	1.35	159.02	34	84335	0.07	0.003	0.00	3.58	0.00	0.000
1.56	2.07	113.91	1.38	157.50	34	84420	0.07	0.003	0.00	3.58	0.00	0.000
1.58	2.10	111.29	1.42	158.57	34	85724	0.07	0.003	0.00	3.58	0.00	0.000
1.60	2.14	109.78	1.48	162.04	36	87956	0.07	0.003	0.00	3.58	0.00	0.000
1.62	2.15	109.06	1.51	164.98	37	89560	0.07	0.003	0.00	3.58	0.00	0.000
1.64	2.16	105.36	1.53	161.22	36	87468	0.07	0.003	0.00	3.58	0.00	0.000
1.66	2.19	100.21	1.58	158.61	36	85742	0.07	0.003	0.00	3.58	0.00	0.000
1.68	2.21	95.26	1.64	155.94	35	83813	0.07	0.004	0.00	3.58	0.00	0.000
1.70	2.24	90.05	1.72	155.23	36	82427	0.08	0.004	0.00	3.58	0.00	0.000
1.72	2.28	84.20	1.85	155.67	36	80954	0.08	0.004	0.00	3.58	0.00	0.000
1.74	2.29	82.60	1.89	155.93	37	80526	0.08	0.004	0.00	3.58	0.00	0.000
1.76	2.32	78.26	2.01	157.68	37	79546	0.08	0.004	0.00	3.58	0.00	0.000
1.78	2.35	74.37	2.15	159.89	39	78647	0.08	0.004	0.00	3.58	0.00	0.000
1.80	2.41	68.48	2.41	165.15	41	77431	0.08	0.004	0.00	3.58	0.00	0.000
1.87	2.43	66.51	2.52	167.77	42	77146	0.08	0.004	0.00	3.58	0.00	0.000
1.87	2.48	61.40	2.85	174.94	45	76204	0.09	0.004	0.00	3.58	0.00	0.000
1.82	2.50	60.66	2.99	181.25	47	77282	0.09	0.004	0.00	3.58	0.00	0.000
1.88	2.52	59.89	3.15	188.82	49	78579	0.09	0.004	0.00	3.58	0.00	0.000
1.90	2.54	60.10	3.26	195.96	51	80315	0.09	0.004	0.00	3.58	0.00	0.000
1.92	2.56	59.36	3.45	204.64	54	81787	0.09	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.94	2.57	58.99	3.53	208.43	56	82382	0.09	0.004	0.00	3.58	0.00	0.000
1.96	2.58	58.98	3.57	210.56	56	82839	0.09	0.004	0.00	3.58	0.00	0.000
1.98	2.58	58.98	3.61	213.18	57	83402	0.09	0.004	0.00	3.58	0.00	0.000
2.00	2.59	59.13	3.64	215.13	58	83913	0.09	0.004	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	122.16	2.00	0.00	1.00	0.00	2.04	123.15	2.00	0.00	1.00	0.00
2.06	122.50	2.00	0.00	1.00	0.00	2.08	123.65	2.00	0.00	1.00	0.00
2.10	120.37	1.93	0.02	1.00	0.00	2.12	51.33	2.00	0.00	1.00	0.00
2.14	50.87	2.00	0.00	1.00	0.00	2.16	49.12	2.00	0.00	1.00	0.00
2.18	48.08	2.00	0.00	1.00	0.00	2.20	47.52	2.00	0.00	1.00	0.00
2.22	47.32	2.00	0.00	1.00	0.00	2.24	47.22	2.00	0.00	1.00	0.00
2.26	47.13	2.00	0.00	1.00	0.00	2.28	111.93	1.62	0.16	1.00	0.00
2.30	112.13	1.62	0.16	1.00	0.00	2.32	112.25	1.62	0.16	1.00	0.00
2.34	113.26	1.64	0.15	1.00	0.00	2.36	113.85	1.65	0.15	1.00	0.00
2.38	113.93	1.64	0.15	1.00	0.00	2.40	114.38	1.65	0.15	1.00	0.00
2.42	115.07	1.66	0.14	1.00	0.00	2.44	116.40	1.69	0.13	1.00	0.00
2.46	117.39	1.71	0.12	1.00	0.00	2.48	118.01	1.72	0.11	1.00	0.00
2.50	117.81	1.71	0.12	1.00	0.00	2.52	116.46	1.67	0.14	1.00	0.00
2.54	114.07	1.60	0.17	1.00	0.00	2.56	111.16	1.53	0.22	1.00	0.00
2.58	109.27	1.48	0.25	1.00	0.00	2.60	107.56	1.44	0.28	1.00	0.01
2.62	105.40	1.39	0.31	1.00	0.01	2.64	104.64	1.38	0.33	1.00	0.01
2.66	104.18	1.36	0.34	1.00	0.01	2.68	103.33	1.34	0.36	1.00	0.01
2.70	101.98	1.32	0.39	1.00	0.01	2.72	101.22	1.30	0.41	1.00	0.01
2.74	100.45	1.28	0.43	1.00	0.01	2.76	99.96	1.27	0.44	1.00	0.01
2.78	99.44	1.26	0.46	1.00	0.01	2.80	99.48	1.26	0.46	1.00	0.01
2.82	98.63	1.24	0.48	1.00	0.01	2.84	97.86	1.23	0.51	1.00	0.01
2.86	97.07	1.21	0.53	1.00	0.01	2.88	96.39	1.20	0.55	1.00	0.01
2.90	95.96	1.19	0.57	1.00	0.01	2.92	95.46	1.18	0.59	1.00	0.01
2.94	94.53	1.16	0.62	1.00	0.01	2.96	33.17	2.00	0.00	1.00	0.00
2.98	33.12	2.00	0.00	1.00	0.00	3.00	32.53	2.00	0.00	1.00	0.00
3.02	32.21	2.00	0.00	1.00	0.00	3.04	31.90	2.00	0.00	1.00	0.00
3.06	31.29	2.00	0.00	1.00	0.00	3.08	30.97	2.00	0.00	1.00	0.00
3.10	30.36	2.00	0.00	1.00	0.00	3.12	29.59	2.00	0.00	1.00	0.00
3.14	28.39	2.00	0.00	1.00	0.00	3.16	28.07	2.00	0.00	1.00	0.00
3.18	27.83	2.00	0.00	1.00	0.00	3.20	27.59	2.00	0.00	1.00	0.00
3.22	27.63	2.00	0.00	1.00	0.00	3.24	27.28	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.26	27.45	2.00	0.00	1.00	0.00	3.28	27.13	2.00	0.00	1.00	0.00
3.30	26.68	2.00	0.00	1.00	0.00	3.32	26.00	2.00	0.00	1.00	0.00
3.34	24.93	2.00	0.00	1.00	0.00	3.36	24.36	2.00	0.00	1.00	0.00
3.38	24.27	2.00	0.00	1.00	0.00	3.40	23.80	2.00	0.00	1.00	0.00
3.42	23.13	2.00	0.00	1.00	0.00	3.44	23.15	2.00	0.00	1.00	0.00
3.46	22.87	2.00	0.00	1.00	0.00	3.48	22.46	2.00	0.00	1.00	0.00
3.50	21.76	2.00	0.00	1.00	0.00	3.52	21.18	2.00	0.00	1.00	0.00
3.54	20.81	2.00	0.00	1.00	0.00	3.56	20.21	2.00	0.00	1.00	0.00
3.59	19.66	2.00	0.00	1.00	0.00	3.60	19.51	2.00	0.00	1.00	0.00
3.62	19.41	2.00	0.00	1.00	0.00	3.64	19.39	2.00	0.00	1.00	0.00
3.66	19.37	2.00	0.00	1.00	0.00	3.68	19.38	2.00	0.00	1.00	0.00
3.70	19.42	2.00	0.00	1.00	0.00	3.72	19.33	2.00	0.00	1.00	0.00
3.74	19.37	2.00	0.00	1.00	0.00	3.76	19.40	2.00	0.00	1.00	0.00
3.78	20.06	2.00	0.00	1.00	0.00	3.80	20.25	2.00	0.00	1.00	0.00
3.82	20.22	2.00	0.00	1.00	0.00	3.84	20.18	2.00	0.00	1.00	0.00
3.86	20.15	2.00	0.00	1.00	0.00	3.88	20.15	2.00	0.00	1.00	0.00
3.90	20.36	2.00	0.00	1.00	0.00	3.92	20.98	2.00	0.00	1.00	0.00
3.94	21.64	2.00	0.00	1.00	0.00	3.96	22.51	2.00	0.00	1.00	0.00
3.98	23.37	2.00	0.00	1.00	0.00	4.00	24.57	2.00	0.00	1.00	0.00
4.02	25.36	2.00	0.00	1.00	0.00	4.04	25.53	2.00	0.00	1.00	0.00
4.06	25.95	2.00	0.00	1.00	0.00	4.08	26.13	2.00	0.00	1.00	0.00
4.10	25.68	2.00	0.00	1.00	0.00	4.12	25.27	2.00	0.00	1.00	0.00
4.14	24.54	2.00	0.00	1.00	0.00	4.16	23.73	2.00	0.00	1.00	0.00
4.18	23.08	2.00	0.00	1.00	0.00	4.20	22.74	2.00	0.00	1.00	0.00
4.22	22.56	2.00	0.00	1.00	0.00	4.24	22.46	2.00	0.00	1.00	0.00
4.26	22.39	2.00	0.00	1.00	0.00	4.28	22.36	2.00	0.00	1.00	0.00
4.30	22.32	2.00	0.00	1.00	0.00	4.32	22.29	2.00	0.00	1.00	0.00
4.34	22.26	2.00	0.00	1.00	0.00	4.36	22.51	2.00	0.00	1.00	0.00
4.38	22.33	2.00	0.00	1.00	0.00	4.40	22.29	2.00	0.00	1.00	0.00
4.42	22.26	2.00	0.00	1.00	0.00	4.44	22.23	2.00	0.00	1.00	0.00
4.46	22.25	2.00	0.00	1.00	0.00	4.48	22.33	2.00	0.00	1.00	0.00
4.50	22.54	2.00	0.00	1.00	0.00	4.52	23.34	2.00	0.00	1.00	0.00
4.54	23.68	2.00	0.00	1.00	0.00	4.56	23.75	2.00	0.00	1.00	0.00
4.58	23.65	2.00	0.00	1.00	0.00	4.60	23.75	2.00	0.00	1.00	0.00
4.62	23.84	2.00	0.00	1.00	0.00	4.64	24.27	2.00	0.00	1.00	0.00
4.66	24.46	2.00	0.00	1.00	0.00	4.68	24.23	2.00	0.00	1.00	0.00
4.70	24.10	2.00	0.00	1.00	0.00	4.72	24.06	2.00	0.00	1.00	0.00
4.74	24.03	2.00	0.00	1.00	0.00	4.76	24.00	2.00	0.00	1.00	0.00
4.78	23.97	2.00	0.00	1.00	0.00	4.80	23.94	2.00	0.00	1.00	0.00
4.82	24.10	2.00	0.00	1.00	0.00	4.84	24.03	2.00	0.00	1.00	0.00
4.86	24.05	2.00	0.00	1.00	0.00	4.88	24.07	2.00	0.00	1.00	0.00
4.90	24.36	2.00	0.00	1.00	0.00	4.92	24.37	2.00	0.00	1.00	0.00
4.94	25.05	2.00	0.00	1.00	0.00	4.96	26.57	2.00	0.00	1.00	0.00
4.98	27.82	2.00	0.00	1.00	0.00	5.00	30.91	2.00	0.00	1.00	0.00
5.02	31.24	2.00	0.00	1.00	0.00	5.04	31.23	2.00	0.00	1.00	0.00
5.06	31.10	2.00	0.00	1.00	0.00	5.08	31.01	2.00	0.00	1.00	0.00
5.10	30.94	2.00	0.00	1.00	0.00	5.12	30.89	2.00	0.00	1.00	0.00
5.14	30.85	2.00	0.00	1.00	0.00	5.16	30.81	2.00	0.00	1.00	0.00
5.19	30.75	2.00	0.00	1.00	0.00	5.20	30.74	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.22	30.73	2.00	0.00	1.00	0.00	5.24	30.81	2.00	0.00	1.00	0.00
5.26	31.02	2.00	0.00	1.00	0.00	5.28	30.93	2.00	0.00	1.00	0.00
5.30	30.91	2.00	0.00	1.00	0.00	5.32	30.85	2.00	0.00	1.00	0.00
5.34	30.91	2.00	0.00	1.00	0.00	5.36	30.96	2.00	0.00	1.00	0.00
5.38	31.21	2.00	0.00	1.00	0.00	5.40	31.16	2.00	0.00	1.00	0.00
5.42	31.60	2.00	0.00	1.00	0.00	5.44	31.13	2.00	0.00	1.00	0.00
5.46	30.33	2.00	0.00	1.00	0.00	5.48	30.12	2.00	0.00	1.00	0.00
5.50	29.99	2.00	0.00	1.00	0.00	5.52	29.92	2.00	0.00	1.00	0.00
5.54	29.90	2.00	0.00	1.00	0.00	5.56	29.87	2.00	0.00	1.00	0.00
5.58	29.94	2.00	0.00	1.00	0.00	5.60	30.28	2.00	0.00	1.00	0.00
5.62	30.31	2.00	0.00	1.00	0.00	5.64	30.53	2.00	0.00	1.00	0.00
5.66	30.74	2.00	0.00	1.00	0.00	5.68	31.08	2.00	0.00	1.00	0.00
5.70	30.89	2.00	0.00	1.00	0.00	5.72	31.06	2.00	0.00	1.00	0.00
5.74	31.24	2.00	0.00	1.00	0.00	5.76	31.79	2.00	0.00	1.00	0.00
5.78	33.01	2.00	0.00	1.00	0.00	5.80	93.84	0.97	1.85	1.00	0.04
5.82	32.67	2.00	0.00	1.00	0.00	5.84	32.37	2.00	0.00	1.00	0.00
5.86	32.02	2.00	0.00	1.00	0.00	5.88	29.74	2.00	0.00	1.00	0.00
5.90	29.63	2.00	0.00	1.00	0.00	5.92	29.55	2.00	0.00	1.00	0.00
5.94	29.49	2.00	0.00	1.00	0.00	5.96	29.45	2.00	0.00	1.00	0.00
5.98	29.42	2.00	0.00	1.00	0.00	6.00	29.40	2.00	0.00	1.00	0.00
6.02	29.66	2.00	0.00	1.00	0.00	6.04	29.87	2.00	0.00	1.00	0.00
6.06	29.64	2.00	0.00	1.00	0.00	6.08	29.60	2.00	0.00	1.00	0.00
6.10	29.57	2.00	0.00	1.00	0.00	6.12	29.56	2.00	0.00	1.00	0.00
6.14	29.60	2.00	0.00	1.00	0.00	6.16	29.80	2.00	0.00	1.00	0.00
6.18	30.23	2.00	0.00	1.00	0.00	6.20	30.85	2.00	0.00	1.00	0.00
6.22	31.18	2.00	0.00	1.00	0.00	6.24	31.96	2.00	0.00	1.00	0.00
6.26	32.63	2.00	0.00	1.00	0.00	6.28	94.91	0.98	1.75	1.00	0.04
6.30	95.68	0.99	1.62	1.00	0.03	6.32	95.48	0.98	1.66	1.00	0.03
6.34	94.55	0.97	1.84	1.00	0.04	6.36	93.12	0.96	2.19	1.00	0.04
6.38	91.73	0.94	2.72	1.00	0.05	6.40	91.70	0.94	2.75	1.00	0.05
6.42	91.67	0.94	2.76	1.00	0.06	6.44	91.67	0.94	2.78	1.00	0.06
6.46	91.70	0.94	2.77	1.00	0.06	6.48	32.17	2.00	0.00	1.00	0.00
6.50	32.12	2.00	0.00	1.00	0.00	6.52	31.94	2.00	0.00	1.00	0.00
6.54	31.76	2.00	0.00	1.00	0.00	6.56	31.40	2.00	0.00	1.00	0.00
6.58	31.23	2.00	0.00	1.00	0.00	6.60	29.33	2.00	0.00	1.00	0.00
6.62	26.64	2.00	0.00	1.00	0.00	6.64	24.95	2.00	0.00	1.00	0.00
6.66	23.21	2.00	0.00	1.00	0.00	6.68	21.86	2.00	0.00	1.00	0.00
6.70	21.30	2.00	0.00	1.00	0.00	6.72	21.00	2.00	0.00	1.00	0.00
6.74	20.85	2.00	0.00	1.00	0.00	6.76	20.77	2.00	0.00	1.00	0.00
6.78	20.79	2.00	0.00	1.00	0.00	6.80	20.81	2.00	0.00	1.00	0.00
6.82	21.44	2.00	0.00	1.00	0.00	6.84	21.78	2.00	0.00	1.00	0.00
6.86	22.33	2.00	0.00	1.00	0.00	6.88	80.11	0.83	4.00	1.00	0.08
6.90	80.07	0.83	4.01	1.00	0.08	6.92	80.77	0.83	3.97	1.00	0.08
6.94	80.92	0.83	3.97	1.00	0.08	6.96	80.60	0.83	3.98	1.00	0.08
6.98	81.89	0.84	3.92	1.00	0.08	7.00	82.79	0.85	3.88	1.00	0.08
7.02	81.94	0.84	3.92	1.00	0.08	7.04	80.89	0.83	3.97	1.00	0.08
7.06	79.80	0.82	4.02	1.00	0.08	7.08	78.47	0.81	4.08	1.00	0.08
7.10	77.61	0.81	4.13	1.00	0.08	7.12	76.51	0.80	4.18	1.00	0.08
7.14	19.08	2.00	0.00	1.00	0.00	7.16	18.28	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.18	17.87	2.00	0.00	1.00	0.00	7.20	17.30	2.00	0.00	1.00	0.00
7.22	16.65	2.00	0.00	1.00	0.00	7.24	16.40	2.00	0.00	1.00	0.00
7.26	16.30	2.00	0.00	1.00	0.00	7.28	16.12	2.00	0.00	1.00	0.00
7.30	16.12	2.00	0.00	1.00	0.00	7.32	15.84	2.00	0.00	1.00	0.00
7.34	15.30	2.00	0.00	1.00	0.00	7.36	14.87	2.00	0.00	1.00	0.00
7.38	14.85	2.00	0.00	1.00	0.00	7.40	14.96	2.00	0.00	1.00	0.00
7.42	14.45	2.00	0.00	1.00	0.00	7.44	13.90	2.00	0.00	1.00	0.00
7.46	13.73	2.00	0.00	1.00	0.00	7.48	13.51	2.00	0.00	1.00	0.00
7.50	12.96	2.00	0.00	1.00	0.00	7.52	13.05	2.00	0.00	1.00	0.00
7.54	12.91	2.00	0.00	1.00	0.00	7.56	12.65	2.00	0.00	1.00	0.00
7.58	12.51	2.00	0.00	1.00	0.00	7.60	12.50	2.00	0.00	1.00	0.00
7.62	12.48	2.00	0.00	1.00	0.00	7.64	12.48	2.00	0.00	1.00	0.00
7.66	12.47	2.00	0.00	1.00	0.00	7.68	12.48	2.00	0.00	1.00	0.00
7.70	12.66	2.00	0.00	1.00	0.00	7.72	12.93	2.00	0.00	1.00	0.00
7.74	12.80	2.00	0.00	1.00	0.00	7.76	12.94	2.00	0.00	1.00	0.00
7.78	12.76	2.00	0.00	1.00	0.00	7.80	12.73	2.00	0.00	1.00	0.00
7.82	12.71	2.00	0.00	1.00	0.00	7.84	12.70	2.00	0.00	1.00	0.00
7.86	12.69	2.00	0.00	1.00	0.00	7.88	12.69	2.00	0.00	1.00	0.00
7.90	12.83	2.00	0.00	1.00	0.00	7.92	12.85	2.00	0.00	1.00	0.00
7.94	12.29	2.00	0.00	1.00	0.00	7.96	11.46	2.00	0.00	1.00	0.00
7.98	13.34	2.00	0.00	1.00	0.00	8.00	11.35	2.00	0.00	1.00	0.00
8.02	10.84	2.00	0.00	1.00	0.00	8.04	10.70	2.00	0.00	1.00	0.00
8.06	10.57	2.00	0.00	1.00	0.00	8.08	11.24	2.00	0.00	1.00	0.00
8.10	10.50	2.00	0.00	1.00	0.00	8.12	10.11	2.00	0.00	1.00	0.00
8.14	10.04	2.00	0.00	1.00	0.00	8.16	10.03	2.00	0.00	1.00	0.00
8.18	10.02	2.00	0.00	1.00	0.00	8.20	10.02	2.00	0.00	1.00	0.00
8.22	10.02	2.00	0.00	1.00	0.00	8.24	11.70	2.00	0.00	1.00	0.00
8.26	12.02	2.00	0.00	1.00	0.00	8.28	11.96	2.00	0.00	1.00	0.00
8.30	12.10	2.00	0.00	1.00	0.00	8.32	12.25	2.00	0.00	1.00	0.00
8.34	13.45	2.00	0.00	1.00	0.00	8.36	69.56	0.74	4.58	1.00	0.09
8.38	70.89	0.75	4.50	1.00	0.09	8.40	69.81	0.74	4.56	1.00	0.09
8.42	11.87	2.00	0.00	1.00	0.00	8.44	9.95	2.00	0.00	1.00	0.00
8.46	8.86	2.00	0.00	1.00	0.00	8.48	8.68	2.00	0.00	1.00	0.00
8.50	8.50	2.00	0.00	1.00	0.00	8.52	8.37	2.00	0.00	1.00	0.00
8.54	8.24	2.00	0.00	1.00	0.00	8.56	8.19	2.00	0.00	1.00	0.00
8.58	8.19	2.00	0.00	1.00	0.00	8.60	8.20	2.00	0.00	1.00	0.00
8.62	8.35	2.00	0.00	1.00	0.00	8.64	8.65	2.00	0.00	1.00	0.00
8.66	8.94	2.00	0.00	1.00	0.00	8.68	8.39	2.00	0.00	1.00	0.00
8.70	7.70	2.00	0.00	1.00	0.00	8.72	7.34	2.00	0.00	1.00	0.00
8.74	7.29	2.00	0.00	1.00	0.00	8.76	7.27	2.00	0.00	1.00	0.00
8.78	7.26	2.00	0.00	1.00	0.00	8.80	7.26	2.00	0.00	1.00	0.00
8.82	7.26	2.00	0.00	1.00	0.00	8.84	7.57	2.00	0.00	1.00	0.00
8.86	7.98	2.00	0.00	1.00	0.00	8.88	7.71	2.00	0.00	1.00	0.00
8.90	7.72	2.00	0.00	1.00	0.00	8.92	7.74	2.00	0.00	1.00	0.00
8.94	7.78	2.00	0.00	1.00	0.00	8.96	8.01	2.00	0.00	1.00	0.00
8.98	9.03	2.00	0.00	1.00	0.00	9.00	8.35	2.00	0.00	1.00	0.00
9.02	8.34	2.00	0.00	1.00	0.00	9.04	8.34	2.00	0.00	1.00	0.00
9.06	8.35	2.00	0.00	1.00	0.00	9.08	8.37	2.00	0.00	1.00	0.00
9.10	8.47	2.00	0.00	1.00	0.00	9.12	8.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.14	9.95	2.00	0.00	1.00	0.00	9.16	10.52	2.00	0.00	1.00	0.00
9.18	9.79	2.00	0.00	1.00	0.00	9.20	9.20	2.00	0.00	1.00	0.00
9.22	8.81	2.00	0.00	1.00	0.00	9.24	8.72	2.00	0.00	1.00	0.00
9.26	8.67	2.00	0.00	1.00	0.00	9.28	8.65	2.00	0.00	1.00	0.00
9.30	8.63	2.00	0.00	1.00	0.00	9.32	8.83	2.00	0.00	1.00	0.00
9.34	8.58	2.00	0.00	1.00	0.00	9.36	8.36	2.00	0.00	1.00	0.00
9.38	7.89	2.00	0.00	1.00	0.00	9.40	7.55	2.00	0.00	1.00	0.00
9.42	7.04	2.00	0.00	1.00	0.00	9.44	7.06	2.00	0.00	1.00	0.00
9.46	7.02	2.00	0.00	1.00	0.00	9.48	6.80	2.00	0.00	1.00	0.00
9.50	6.63	2.00	0.00	1.00	0.00	9.52	6.60	2.00	0.00	1.00	0.00
9.54	6.63	2.00	0.00	1.00	0.00	9.56	6.65	2.00	0.00	1.00	0.00
9.58	6.70	2.00	0.00	1.00	0.00	9.60	6.82	2.00	0.00	1.00	0.00
9.62	6.96	2.00	0.00	1.00	0.00	9.64	7.23	2.00	0.00	1.00	0.00
9.66	7.22	2.00	0.00	1.00	0.00	9.68	7.30	2.00	0.00	1.00	0.00
9.70	7.32	2.00	0.00	1.00	0.00	9.72	7.40	2.00	0.00	1.00	0.00
9.74	7.38	2.00	0.00	1.00	0.00	9.76	7.36	2.00	0.00	1.00	0.00
9.78	7.45	2.00	0.00	1.00	0.00	9.80	7.23	2.00	0.00	1.00	0.00
9.82	6.92	2.00	0.00	1.00	0.00	9.84	6.88	2.00	0.00	1.00	0.00
9.86	6.86	2.00	0.00	1.00	0.00	9.88	6.85	2.00	0.00	1.00	0.00
9.90	6.84	2.00	0.00	1.00	0.00	9.92	7.12	2.00	0.00	1.00	0.00
9.94	7.40	2.00	0.00	1.00	0.00	9.96	7.97	2.00	0.00	1.00	0.00
9.98	7.68	2.00	0.00	1.00	0.00	10.00	7.49	2.00	0.00	1.00	0.00
10.02	7.30	2.00	0.00	1.00	0.00	10.04	7.01	2.00	0.00	1.00	0.00
10.06	6.81	2.00	0.00	1.00	0.00	10.08	6.34	2.00	0.00	1.00	0.00
10.10	6.33	2.00	0.00	1.00	0.00	10.12	6.33	2.00	0.00	1.00	0.00
10.14	6.32	2.00	0.00	1.00	0.00	10.16	6.33	2.00	0.00	1.00	0.00
10.18	6.35	2.00	0.00	1.00	0.00	10.20	6.34	2.00	0.00	1.00	0.00
10.21	6.61	2.00	0.00	1.00	0.00	10.23	6.83	2.00	0.00	1.00	0.00
10.25	6.89	2.00	0.00	1.00	0.00	10.27	6.85	2.00	0.00	1.00	0.00
10.29	6.85	2.00	0.00	1.00	0.00	10.31	6.85	2.00	0.00	1.00	0.00
10.33	6.86	2.00	0.00	1.00	0.00	10.35	6.89	2.00	0.00	1.00	0.00
10.37	7.13	2.00	0.00	1.00	0.00	10.39	7.35	2.00	0.00	1.00	0.00
10.41	7.66	2.00	0.00	1.00	0.00	10.43	7.97	2.00	0.00	1.00	0.00
10.45	8.21	2.00	0.00	1.00	0.00	10.47	8.29	2.00	0.00	1.00	0.00
10.49	8.21	2.00	0.00	1.00	0.00	10.51	8.27	2.00	0.00	1.00	0.00
10.53	8.58	2.00	0.00	1.00	0.00	10.55	8.66	2.00	0.00	1.00	0.00
10.57	9.01	2.00	0.00	1.00	0.00	10.59	9.34	2.00	0.00	1.00	0.00
10.61	9.69	2.00	0.00	1.00	0.00	10.63	9.95	2.00	0.00	1.00	0.00
10.65	10.28	2.00	0.00	1.00	0.00	10.67	10.90	2.00	0.00	1.00	0.00
10.69	11.29	2.00	0.00	1.00	0.00	10.71	11.91	2.00	0.00	1.00	0.00
10.73	12.71	2.00	0.00	1.00	0.00	10.75	13.80	2.00	0.00	1.00	0.00
10.77	15.14	2.00	0.00	1.00	0.00	10.79	16.13	2.00	0.00	1.00	0.00
10.81	16.70	2.00	0.00	1.00	0.00	10.83	17.41	2.00	0.00	1.00	0.00
10.85	18.11	2.00	0.00	1.00	0.00	10.87	18.47	2.00	0.00	1.00	0.00
10.89	18.92	2.00	0.00	1.00	0.00	10.91	19.37	2.00	0.00	1.00	0.00
10.93	20.46	2.00	0.00	1.00	0.00	10.95	20.89	2.00	0.00	1.00	0.00
10.97	21.05	2.00	0.00	1.00	0.00	10.99	20.92	2.00	0.00	1.00	0.00
11.01	20.88	2.00	0.00	1.00	0.00	11.03	20.61	2.00	0.00	1.00	0.00
11.05	20.05	2.00	0.00	1.00	0.00	11.07	19.58	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.09	19.00	2.00	0.00	1.00	0.00	11.11	18.62	2.00	0.00	1.00	0.00
11.13	18.10	2.00	0.00	1.00	0.00	11.15	17.52	2.00	0.00	1.00	0.00
11.17	17.32	2.00	0.00	1.00	0.00	11.19	17.14	2.00	0.00	1.00	0.00
11.21	16.89	2.00	0.00	1.00	0.00	11.23	16.87	2.00	0.00	1.00	0.00
11.25	16.85	2.00	0.00	1.00	0.00	11.27	16.84	2.00	0.00	1.00	0.00
11.29	16.83	2.00	0.00	1.00	0.00	11.31	16.82	2.00	0.00	1.00	0.00
11.33	17.27	2.00	0.00	1.00	0.00	11.35	17.60	2.00	0.00	1.00	0.00
11.37	17.90	2.00	0.00	1.00	0.00	11.39	18.32	2.00	0.00	1.00	0.00
11.41	18.53	2.00	0.00	1.00	0.00	11.43	18.55	2.00	0.00	1.00	0.00
11.45	18.51	2.00	0.00	1.00	0.00	11.47	18.49	2.00	0.00	1.00	0.00
11.49	18.47	2.00	0.00	1.00	0.00	11.51	18.47	2.00	0.00	1.00	0.00
11.53	18.32	2.00	0.00	1.00	0.00	11.55	18.14	2.00	0.00	1.00	0.00
11.57	17.89	2.00	0.00	1.00	0.00	11.59	17.77	2.00	0.00	1.00	0.00
11.61	17.73	2.00	0.00	1.00	0.00	11.63	17.70	2.00	0.00	1.00	0.00
11.65	17.71	2.00	0.00	1.00	0.00	11.67	17.71	2.00	0.00	1.00	0.00
11.69	17.74	2.00	0.00	1.00	0.00	11.71	17.92	2.00	0.00	1.00	0.00
11.73	18.01	2.00	0.00	1.00	0.00	11.75	18.21	2.00	0.00	1.00	0.00
11.77	18.23	2.00	0.00	1.00	0.00	11.79	18.40	2.00	0.00	1.00	0.00
11.81	18.45	2.00	0.00	1.00	0.00	11.83	18.86	2.00	0.00	1.00	0.00
11.85	19.23	2.00	0.00	1.00	0.00	11.87	19.30	2.00	0.00	1.00	0.00
11.89	19.24	2.00	0.00	1.00	0.00	11.91	18.99	2.00	0.00	1.00	0.00
11.93	18.91	2.00	0.00	1.00	0.00	11.95	18.27	2.00	0.00	1.00	0.00
11.97	17.86	2.00	0.00	1.00	0.00	11.99	17.48	2.00	0.00	1.00	0.00
12.01	17.57	2.00	0.00	1.00	0.00	12.03	17.42	2.00	0.00	1.00	0.00
12.05	17.40	2.00	0.00	1.00	0.00	12.07	17.31	2.00	0.00	1.00	0.00
12.09	17.31	2.00	0.00	1.00	0.00	12.11	17.20	2.00	0.00	1.00	0.00
12.13	16.83	2.00	0.00	1.00	0.00	12.15	16.64	2.00	0.00	1.00	0.00
12.17	16.31	2.00	0.00	1.00	0.00	12.19	16.16	2.00	0.00	1.00	0.00
12.21	16.16	2.00	0.00	1.00	0.00	12.23	16.01	2.00	0.00	1.00	0.00
12.25	15.91	2.00	0.00	1.00	0.00	12.27	15.78	2.00	0.00	1.00	0.00
12.29	15.76	2.00	0.00	1.00	0.00	12.31	15.75	2.00	0.00	1.00	0.00
12.33	15.74	2.00	0.00	1.00	0.00	12.35	15.73	2.00	0.00	1.00	0.00
12.37	15.72	2.00	0.00	1.00	0.00	12.39	15.81	2.00	0.00	1.00	0.00
12.41	15.81	2.00	0.00	1.00	0.00	12.43	16.09	2.00	0.00	1.00	0.00
12.45	16.26	2.00	0.00	1.00	0.00	12.47	16.07	2.00	0.00	1.00	0.00
12.49	16.09	2.00	0.00	1.00	0.00	12.51	16.11	2.00	0.00	1.00	0.00
12.53	16.27	2.00	0.00	1.00	0.00	12.55	16.65	2.00	0.00	1.00	0.00
12.57	16.89	2.00	0.00	1.00	0.00	12.59	16.95	2.00	0.00	1.00	0.00
12.61	17.16	2.00	0.00	1.00	0.00	12.63	17.18	2.00	0.00	1.00	0.00
12.65	17.23	2.00	0.00	1.00	0.00	12.67	17.25	2.00	0.00	1.00	0.00
12.69	17.23	2.00	0.00	1.00	0.00	12.71	17.25	2.00	0.00	1.00	0.00
12.73	17.28	2.00	0.00	1.00	0.00	12.75	17.48	2.00	0.00	1.00	0.00
12.77	17.89	2.00	0.00	1.00	0.00	12.79	18.82	2.00	0.00	1.00	0.00
12.81	19.25	2.00	0.00	1.00	0.00	12.83	19.97	2.00	0.00	1.00	0.00
12.85	20.22	2.00	0.00	1.00	0.00	12.87	20.52	2.00	0.00	1.00	0.00
12.89	20.86	2.00	0.00	1.00	0.00	12.91	22.35	2.00	0.00	1.00	0.00
12.93	22.29	2.00	0.00	1.00	0.00	12.95	21.67	2.00	0.00	1.00	0.00
12.97	20.96	2.00	0.00	1.00	0.00	12.99	20.76	2.00	0.00	1.00	0.00
13.01	20.70	2.00	0.00	1.00	0.00	13.03	20.66	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.05	20.65	2.00	0.00	1.00	0.00	13.07	20.65	2.00	0.00	1.00	0.00
13.09	20.72	2.00	0.00	1.00	0.00	13.11	20.92	2.00	0.00	1.00	0.00
13.13	21.06	2.00	0.00	1.00	0.00	13.15	21.45	2.00	0.00	1.00	0.00
13.17	21.78	2.00	0.00	1.00	0.00	13.19	21.61	2.00	0.00	1.00	0.00
13.21	21.12	2.00	0.00	1.00	0.00	13.23	20.76	2.00	0.00	1.00	0.00
13.25	20.28	2.00	0.00	1.00	0.00	13.27	19.39	2.00	0.00	1.00	0.00
13.29	18.82	2.00	0.00	1.00	0.00	13.31	18.06	2.00	0.00	1.00	0.00
13.33	17.87	2.00	0.00	1.00	0.00	13.35	17.79	2.00	0.00	1.00	0.00
13.37	17.70	2.00	0.00	1.00	0.00	13.39	17.77	2.00	0.00	1.00	0.00
13.41	17.61	2.00	0.00	1.00	0.00	13.43	17.38	2.00	0.00	1.00	0.00
13.45	16.76	2.00	0.00	1.00	0.00	13.47	16.69	2.00	0.00	1.00	0.00
13.49	16.62	2.00	0.00	1.00	0.00	13.51	16.63	2.00	0.00	1.00	0.00
13.53	16.55	2.00	0.00	1.00	0.00	13.55	16.16	2.00	0.00	1.00	0.00
13.57	16.05	2.00	0.00	1.00	0.00	13.59	15.94	2.00	0.00	1.00	0.00
13.61	15.88	2.00	0.00	1.00	0.00	13.63	15.86	2.00	0.00	1.00	0.00
13.65	15.85	2.00	0.00	1.00	0.00	13.67	15.84	2.00	0.00	1.00	0.00
13.69	15.84	2.00	0.00	1.00	0.00	13.71	16.07	2.00	0.00	1.00	0.00
13.73	16.13	2.00	0.00	1.00	0.00	13.75	16.30	2.00	0.00	1.00	0.00
13.77	16.14	2.00	0.00	1.00	0.00	13.79	15.80	2.00	0.00	1.00	0.00
13.81	15.43	2.00	0.00	1.00	0.00	13.83	15.26	2.00	0.00	1.00	0.00
13.85	15.21	2.00	0.00	1.00	0.00	13.87	15.25	2.00	0.00	1.00	0.00
13.89	15.29	2.00	0.00	1.00	0.00	13.91	15.39	2.00	0.00	1.00	0.00
13.93	15.61	2.00	0.00	1.00	0.00	13.95	15.96	2.00	0.00	1.00	0.00
13.96	16.19	2.00	0.00	1.00	0.00	13.98	16.52	2.00	0.00	1.00	0.00
14.00	16.87	2.00	0.00	1.00	0.00	14.02	16.91	2.00	0.00	1.00	0.00
14.04	17.10	2.00	0.00	1.00	0.00	14.06	17.61	2.00	0.00	1.00	0.00
14.08	17.84	2.00	0.00	1.00	0.00	14.10	17.96	2.00	0.00	1.00	0.00
14.12	17.91	2.00	0.00	1.00	0.00	14.14	18.38	2.00	0.00	1.00	0.00
14.16	18.84	2.00	0.00	1.00	0.00	14.18	19.47	2.00	0.00	1.00	0.00
14.20	19.79	2.00	0.00	1.00	0.00	14.22	20.37	2.00	0.00	1.00	0.00
14.24	21.08	2.00	0.00	1.00	0.00	14.26	21.64	2.00	0.00	1.00	0.00
14.28	21.76	2.00	0.00	1.00	0.00	14.30	21.73	2.00	0.00	1.00	0.00
14.32	21.72	2.00	0.00	1.00	0.00	14.34	21.70	2.00	0.00	1.00	0.00
14.36	21.71	2.00	0.00	1.00	0.00	14.38	21.71	2.00	0.00	1.00	0.00
14.40	21.81	2.00	0.00	1.00	0.00	14.42	21.59	2.00	0.00	1.00	0.00
14.44	21.01	2.00	0.00	1.00	0.00	14.46	20.32	2.00	0.00	1.00	0.00
14.48	20.04	2.00	0.00	1.00	0.00	14.50	19.45	2.00	0.00	1.00	0.00
14.52	18.71	2.00	0.00	1.00	0.00	14.54	18.59	2.00	0.00	1.00	0.00
14.56	18.28	2.00	0.00	1.00	0.00	14.58	18.06	2.00	0.00	1.00	0.00
14.60	18.08	2.00	0.00	1.00	0.00	14.62	17.94	2.00	0.00	1.00	0.00
14.64	17.88	2.00	0.00	1.00	0.00	14.66	17.86	2.00	0.00	1.00	0.00
14.68	17.84	2.00	0.00	1.00	0.00	14.70	17.91	2.00	0.00	1.00	0.00
14.72	17.75	2.00	0.00	1.00	0.00	14.74	17.36	2.00	0.00	1.00	0.00
14.76	17.20	2.00	0.00	1.00	0.00	14.78	17.04	2.00	0.00	1.00	0.00
14.80	17.03	2.00	0.00	1.00	0.00	14.82	17.02	2.00	0.00	1.00	0.00
14.84	17.02	2.00	0.00	1.00	0.00	14.86	17.06	2.00	0.00	1.00	0.00
14.88	17.15	2.00	0.00	1.00	0.00	14.90	17.55	2.00	0.00	1.00	0.00
14.92	17.52	2.00	0.00	1.00	0.00	14.94	17.48	2.00	0.00	1.00	0.00
14.96	17.42	2.00	0.00	1.00	0.00	14.98	17.41	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.00	17.40	2.00	0.00	1.00	0.00	15.02	17.39	2.00	0.00	1.00	0.00
15.04	17.38	2.00	0.00	1.00	0.00	15.06	17.73	2.00	0.00	1.00	0.00
15.08	18.10	2.00	0.00	1.00	0.00	15.10	18.59	2.00	0.00	1.00	0.00
15.12	19.06	2.00	0.00	1.00	0.00	15.14	19.31	2.00	0.00	1.00	0.00
15.16	19.39	2.00	0.00	1.00	0.00	15.18	19.28	2.00	0.00	1.00	0.00
15.20	19.21	2.00	0.00	1.00	0.00	15.22	19.20	2.00	0.00	1.00	0.00
15.24	19.19	2.00	0.00	1.00	0.00	15.26	19.19	2.00	0.00	1.00	0.00
15.28	19.95	2.00	0.00	1.00	0.00	15.30	20.46	2.00	0.00	1.00	0.00
15.32	20.93	2.00	0.00	1.00	0.00	15.34	21.61	2.00	0.00	1.00	0.00
15.36	22.56	2.00	0.00	1.00	0.00	15.38	23.33	2.00	0.00	1.00	0.00
15.40	23.30	2.00	0.00	1.00	0.00	15.42	23.31	2.00	0.00	1.00	0.00
15.44	23.31	2.00	0.00	1.00	0.00	15.46	23.27	2.00	0.00	1.00	0.00
15.48	22.45	2.00	0.00	1.00	0.00	15.50	21.53	2.00	0.00	1.00	0.00
15.52	20.54	2.00	0.00	1.00	0.00	15.54	19.88	2.00	0.00	1.00	0.00
15.56	19.47	2.00	0.00	1.00	0.00	15.58	17.89	2.00	0.00	1.00	0.00
15.60	17.86	2.00	0.00	1.00	0.00	15.62	17.85	2.00	0.00	1.00	0.00
15.64	17.84	2.00	0.00	1.00	0.00	15.66	17.84	2.00	0.00	1.00	0.00
15.68	17.95	2.00	0.00	1.00	0.00	15.70	19.23	2.00	0.00	1.00	0.00
15.72	19.50	2.00	0.00	1.00	0.00	15.74	19.43	2.00	0.00	1.00	0.00
15.76	18.40	2.00	0.00	1.00	0.00	15.78	18.15	2.00	0.00	1.00	0.00
15.80	17.74	2.00	0.00	1.00	0.00	15.82	17.22	2.00	0.00	1.00	0.00
15.84	17.03	2.00	0.00	1.00	0.00	15.86	16.84	2.00	0.00	1.00	0.00
15.88	17.17	2.00	0.00	1.00	0.00	15.90	16.62	2.00	0.00	1.00	0.00
15.92	16.09	2.00	0.00	1.00	0.00	15.94	15.19	2.00	0.00	1.00	0.00
15.96	14.38	2.00	0.00	1.00	0.00	15.98	14.35	2.00	0.00	1.00	0.00
16.00	14.35	2.00	0.00	1.00	0.00	16.02	14.34	2.00	0.00	1.00	0.00
16.04	14.32	2.00	0.00	1.00	0.00	16.06	14.34	2.00	0.00	1.00	0.00
16.08	14.35	2.00	0.00	1.00	0.00	16.10	14.08	2.00	0.00	1.00	0.00
16.12	13.44	2.00	0.00	1.00	0.00	16.14	13.05	2.00	0.00	1.00	0.00
16.16	12.54	2.00	0.00	1.00	0.00	16.18	12.00	2.00	0.00	1.00	0.00
16.19	11.76	2.00	0.00	1.00	0.00	16.21	11.01	2.00	0.00	1.00	0.00
16.23	10.71	2.00	0.00	1.00	0.00	16.25	10.70	2.00	0.00	1.00	0.00
16.27	10.70	2.00	0.00	1.00	0.00	16.29	10.69	2.00	0.00	1.00	0.00
16.31	10.71	2.00	0.00	1.00	0.00	16.33	11.21	2.00	0.00	1.00	0.00
16.35	18.33	2.00	0.00	1.00	0.00	16.37	81.67	0.97	2.61	1.00	0.05
16.39	85.48	1.01	1.49	1.00	0.03	16.41	85.95	1.02	1.41	1.00	0.03
16.43	86.03	1.02	1.39	1.00	0.03	16.45	83.78	0.99	1.79	1.00	0.04
16.47	22.90	2.00	0.00	1.00	0.00	16.49	20.49	2.00	0.00	1.00	0.00
16.51	15.04	2.00	0.00	1.00	0.00	16.53	13.56	2.00	0.00	1.00	0.00
16.55	12.82	2.00	0.00	1.00	0.00	16.57	12.45	2.00	0.00	1.00	0.00
16.59	12.29	2.00	0.00	1.00	0.00	16.61	12.55	2.00	0.00	1.00	0.00
16.63	12.80	2.00	0.00	1.00	0.00	16.65	77.48	0.94	4.13	1.00	0.08
16.67	82.54	0.99	1.99	1.00	0.04	16.69	84.58	1.01	1.52	1.00	0.03
16.71	85.84	1.02	1.33	1.00	0.03	16.73	86.98	1.04	1.20	1.00	0.02
16.75	88.22	1.05	1.08	1.00	0.02	16.77	92.15	1.10	0.84	1.00	0.02
16.79	93.26	1.11	0.78	1.00	0.02	16.81	93.17	1.11	0.79	1.00	0.02
16.83	92.30	1.10	0.82	1.00	0.02	16.85	91.93	1.10	0.84	1.00	0.02
16.87	92.45	1.10	0.81	1.00	0.02	16.89	91.72	1.09	0.84	1.00	0.02
16.91	24.65	2.00	0.00	1.00	0.00	16.93	18.85	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.95	16.39	2.00	0.00	1.00	0.00	16.97	12.45	2.00	0.00	1.00	0.00
16.99	11.88	2.00	0.00	1.00	0.00	17.01	11.32	2.00	0.00	1.00	0.00
17.03	11.65	2.00	0.00	1.00	0.00	17.05	10.90	2.00	0.00	1.00	0.00
17.07	10.26	2.00	0.00	1.00	0.00	17.09	10.23	2.00	0.00	1.00	0.00
17.11	10.22	2.00	0.00	1.00	0.00	17.13	10.22	2.00	0.00	1.00	0.00
17.15	10.21	2.00	0.00	1.00	0.00	17.17	10.22	2.00	0.00	1.00	0.00
17.19	10.93	2.00	0.00	1.00	0.00	17.21	14.89	2.00	0.00	1.00	0.00
17.23	20.94	2.00	0.00	1.00	0.00	17.25	23.91	2.00	0.00	1.00	0.00
17.27	82.47	1.00	1.66	1.00	0.03	17.29	22.86	2.00	0.00	1.00	0.00
17.31	21.35	2.00	0.00	1.00	0.00	17.33	20.74	2.00	0.00	1.00	0.00
17.35	20.12	2.00	0.00	1.00	0.00	17.37	20.63	2.00	0.00	1.00	0.00
17.39	20.02	2.00	0.00	1.00	0.00	17.41	19.72	2.00	0.00	1.00	0.00
17.43	19.60	2.00	0.00	1.00	0.00	17.45	20.22	2.00	0.00	1.00	0.00
17.47	20.83	2.00	0.00	1.00	0.00	17.49	22.06	2.00	0.00	1.00	0.00
17.51	94.31	1.15	0.67	1.00	0.01	17.53	93.53	1.14	0.70	1.00	0.01
17.55	25.85	2.00	0.00	1.00	0.00	17.57	25.31	2.00	0.00	1.00	0.00
17.59	25.20	2.00	0.00	1.00	0.00	17.61	25.17	2.00	0.00	1.00	0.00
17.63	26.39	2.00	0.00	1.00	0.00	17.65	27.62	2.00	0.00	1.00	0.00
17.67	91.64	1.12	0.75	1.00	0.01	17.69	98.72	1.21	0.53	1.00	0.01
17.71	106.70	1.35	0.37	1.00	0.01	17.73	110.43	1.42	0.30	1.00	0.01
17.75	105.44	1.33	0.39	1.00	0.01	17.77	98.92	1.22	0.52	1.00	0.01
17.79	92.18	1.13	0.72	1.00	0.01	17.81	28.43	2.00	0.00	1.00	0.00
17.83	25.30	2.00	0.00	1.00	0.00	17.85	25.21	2.00	0.00	1.00	0.00
17.86	25.11	2.00	0.00	1.00	0.00	17.88	24.64	2.00	0.00	1.00	0.00
17.90	24.52	2.00	0.00	1.00	0.00	17.92	24.50	2.00	0.00	1.00	0.00
17.94	24.49	2.00	0.00	1.00	0.00	17.96	24.49	2.00	0.00	1.00	0.00
17.98	24.56	2.00	0.00	1.00	0.00	18.00	26.61	2.00	0.00	1.00	0.00
18.02	28.12	2.00	0.00	1.00	0.00	18.04	29.04	2.00	0.00	1.00	0.00
18.06	28.86	2.00	0.00	1.00	0.00	18.08	28.14	2.00	0.00	1.00	0.00
18.10	26.18	2.00	0.00	1.00	0.00	18.12	26.05	2.00	0.00	1.00	0.00
18.14	84.40	1.05	1.08	1.00	0.02	18.16	84.38	1.05	1.08	1.00	0.02
18.18	84.37	1.05	1.07	1.00	0.02	18.20	26.02	2.00	0.00	1.00	0.00
18.22	84.29	1.05	1.07	1.00	0.02	18.24	83.68	1.04	1.12	1.00	0.02
18.26	82.15	1.03	1.28	1.00	0.03	18.28	82.50	1.03	1.23	1.00	0.02
18.30	83.04	1.04	1.17	1.00	0.02	18.32	83.52	1.04	1.12	1.00	0.02
18.34	83.62	1.04	1.10	1.00	0.02	18.36	83.64	1.05	1.10	1.00	0.02
18.38	83.76	1.05	1.08	1.00	0.02	18.40	84.37	1.05	1.03	1.00	0.02
18.42	85.40	1.07	0.95	1.00	0.02	18.44	85.60	1.07	0.93	1.00	0.02
18.46	86.15	1.08	0.90	1.00	0.02	18.48	88.43	1.10	0.78	1.00	0.02
18.50	92.60	1.16	0.63	1.00	0.01	18.52	96.71	1.21	0.53	1.00	0.01
18.54	100.03	1.26	0.45	1.00	0.01	18.56	101.88	1.30	0.42	1.00	0.01
18.58	103.49	1.32	0.39	1.00	0.01	18.60	106.33	1.38	0.34	1.00	0.01
18.62	107.04	1.39	0.33	1.00	0.01	18.64	103.60	1.33	0.38	1.00	0.01
18.66	97.36	1.23	0.50	1.00	0.01	18.68	91.81	1.15	0.64	1.00	0.01
18.70	87.80	1.10	0.78	1.00	0.02	18.72	80.48	1.02	1.34	1.00	0.03
18.74	66.19	0.90	4.79	1.00	0.10	18.76	58.07	0.83	5.39	1.00	0.11
18.78	54.95	0.81	5.66	1.00	0.11	18.80	54.27	0.81	5.72	1.00	0.11
18.82	54.79	0.81	5.67	1.00	0.11	18.84	60.94	0.86	5.16	1.00	0.10
18.86	57.99	0.84	5.40	1.00	0.11	18.88	57.19	0.83	5.46	1.00	0.11

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.90	62.14	0.87	5.07	1.00	0.10	18.92	64.61	0.89	4.90	1.00	0.10
18.94	65.75	0.90	4.82	1.00	0.10	18.96	66.30	0.90	4.78	1.00	0.09
18.98	66.56	0.90	4.77	1.00	0.09	19.00	73.00	0.96	4.37	1.00	0.09
19.02	80.39	1.03	1.26	1.00	0.03	19.04	84.20	1.07	0.92	1.00	0.02
19.06	84.97	1.08	0.87	1.00	0.02	19.08	89.43	1.13	0.68	1.00	0.01
19.10	92.26	1.17	0.60	1.00	0.01	19.12	93.13	1.18	0.57	1.00	0.01
19.14	94.04	1.19	0.55	1.00	0.01	19.16	92.59	1.17	0.58	1.00	0.01
19.18	91.84	1.17	0.60	1.00	0.01	19.20	92.19	1.17	0.59	1.00	0.01
19.21	94.20	1.20	0.54	1.00	0.01	19.23	100.72	1.30	0.41	1.00	0.01
19.25	102.04	1.32	0.38	1.00	0.01	19.27	102.82	1.33	0.37	1.00	0.01
19.29	100.68	1.30	0.41	1.00	0.01	19.31	98.12	1.26	0.45	1.00	0.01
19.33	84.81	1.09	0.84	1.00	0.02						

Total estimated settlement: 4.79

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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stefania.asti@tin.it

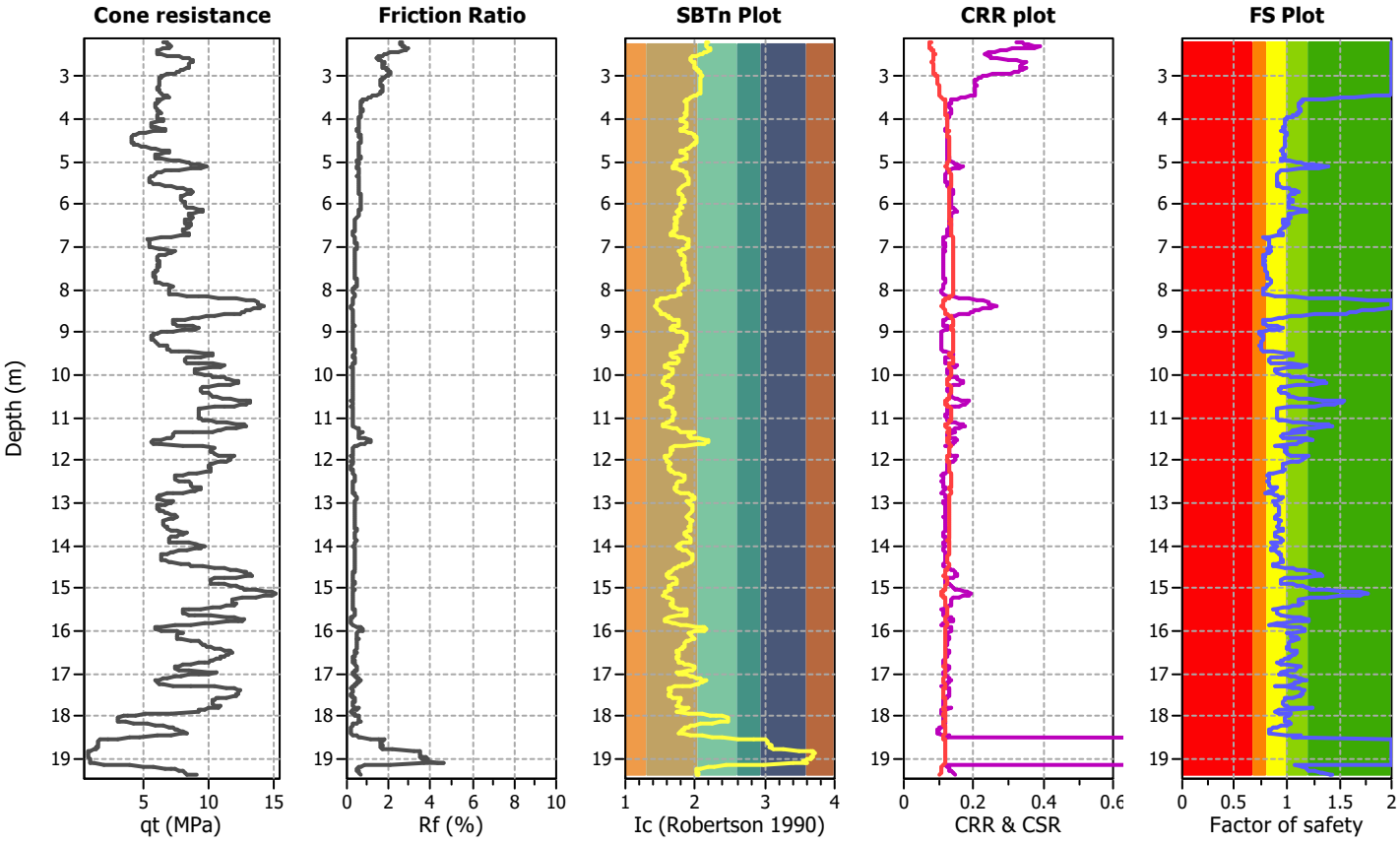
LIQUEFACTION ANALYSIS REPORT

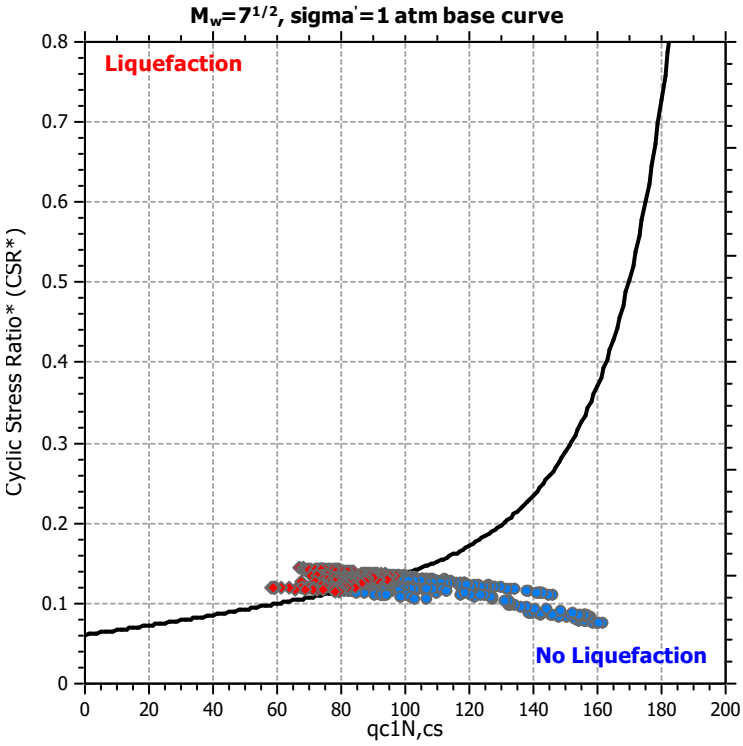
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

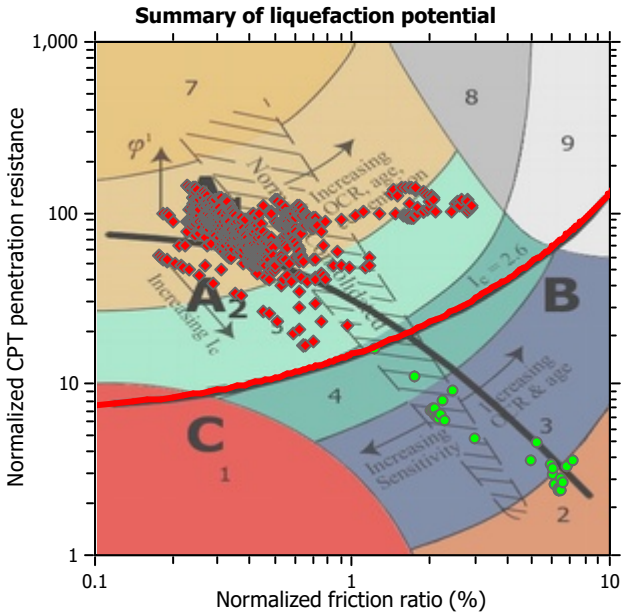
CPT file : P296 - CPTu-2

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

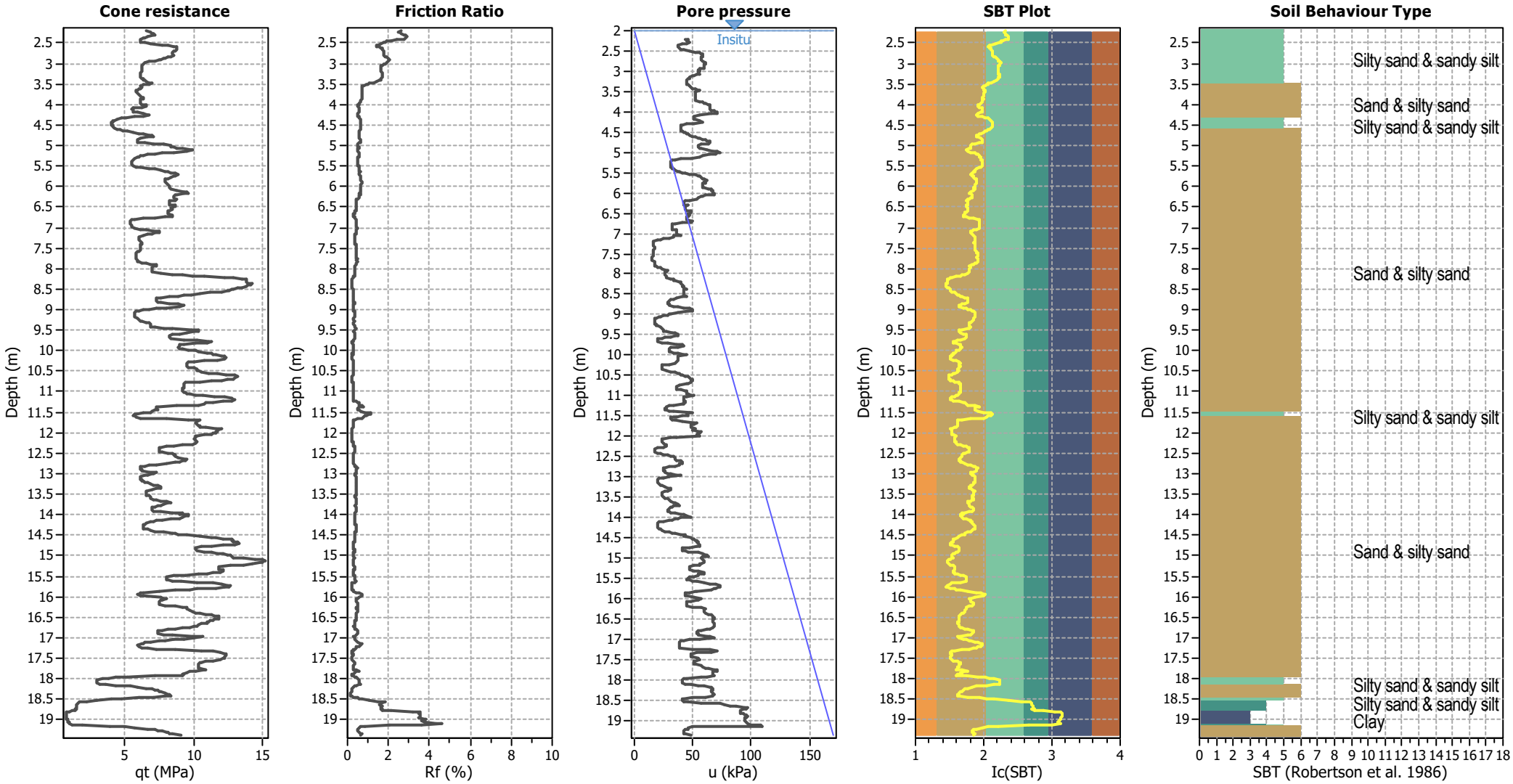






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



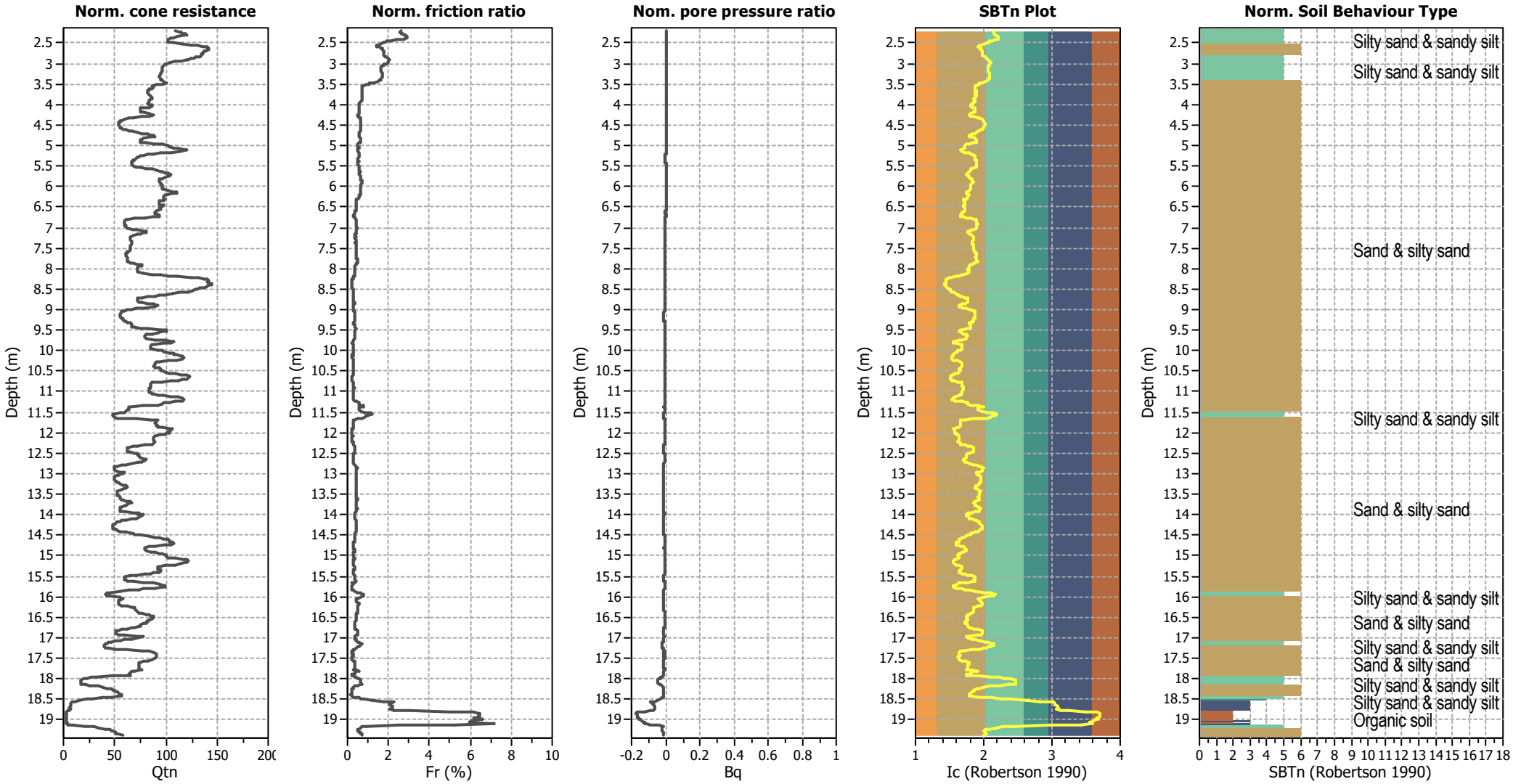
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



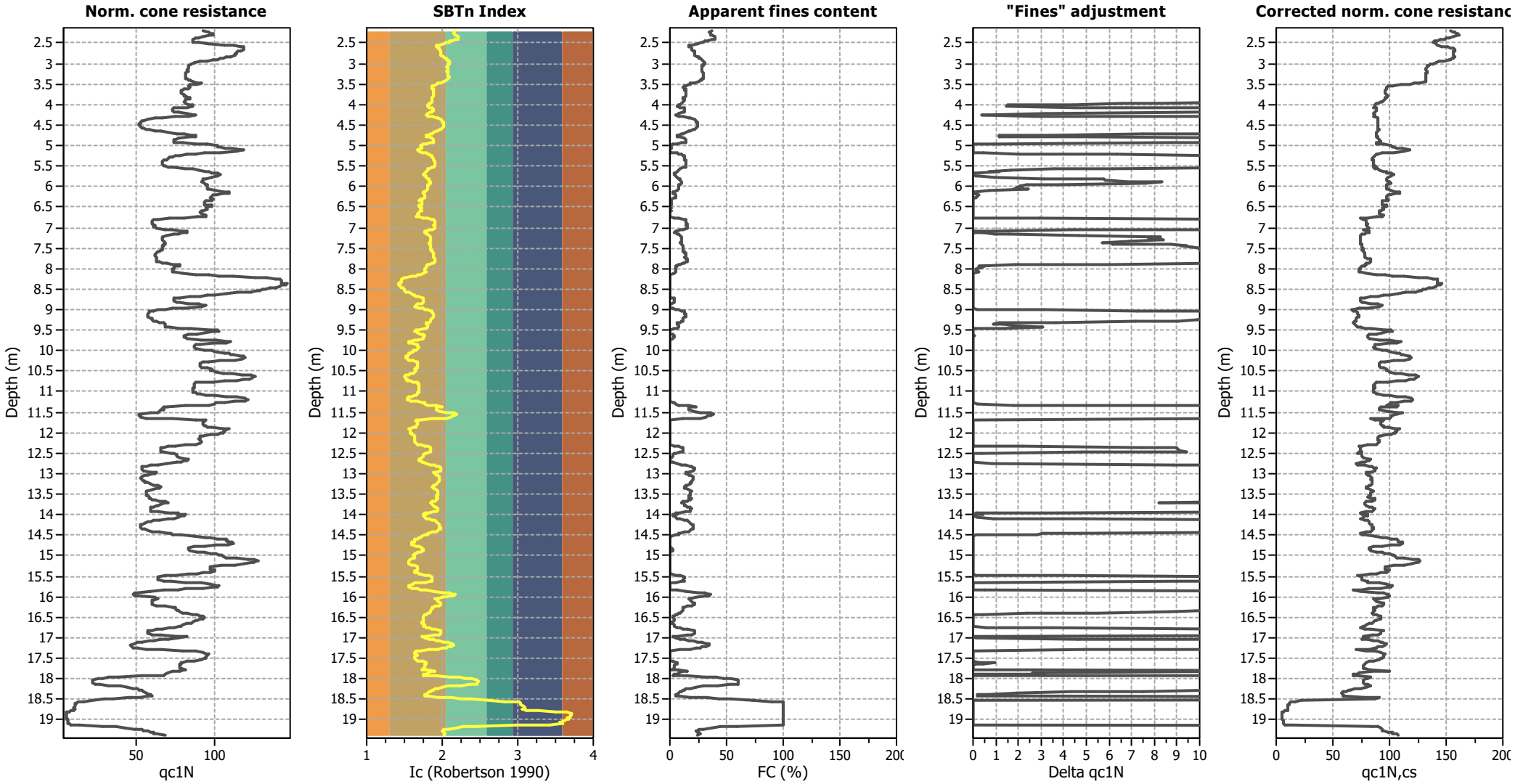
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

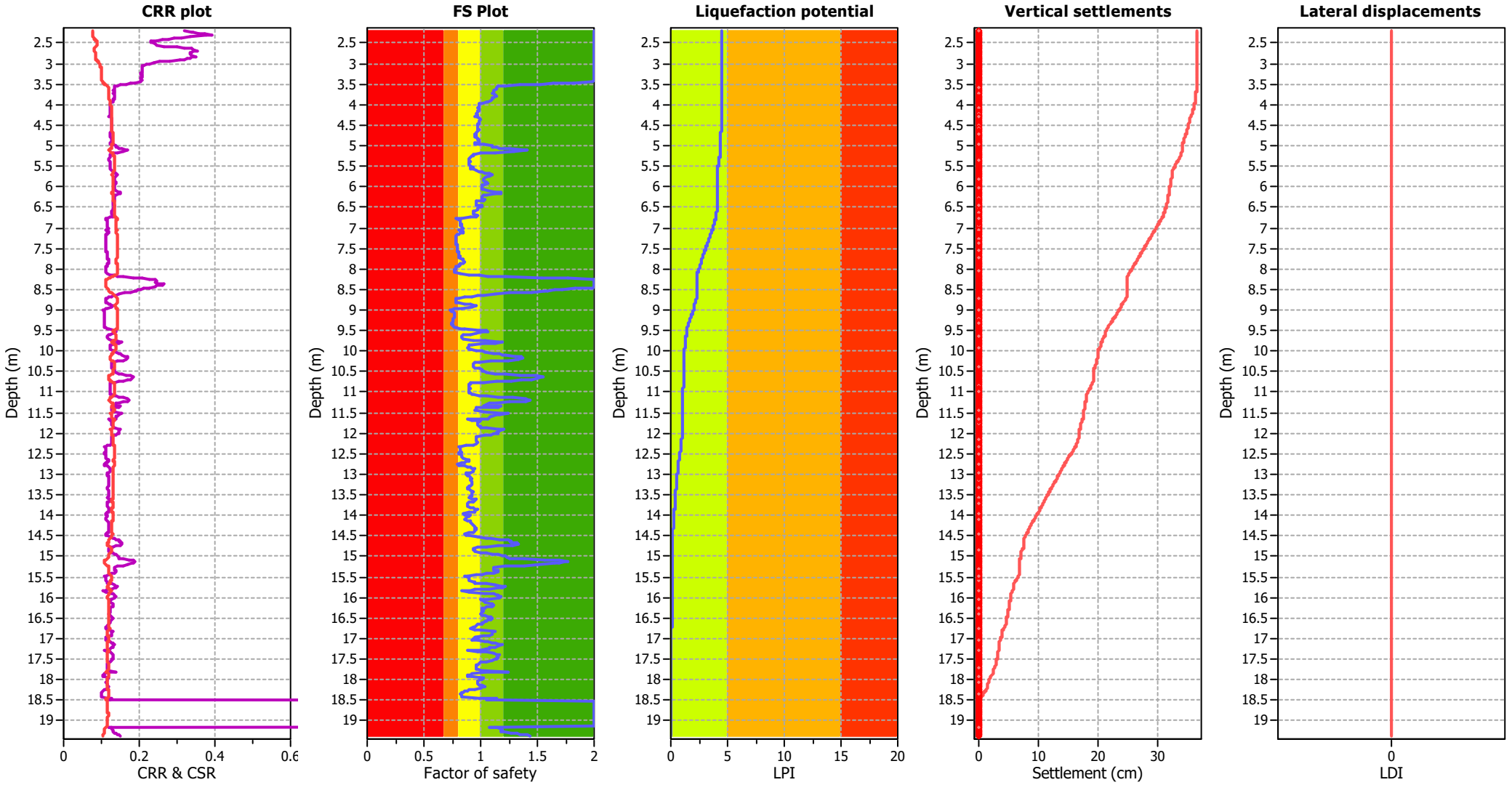
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

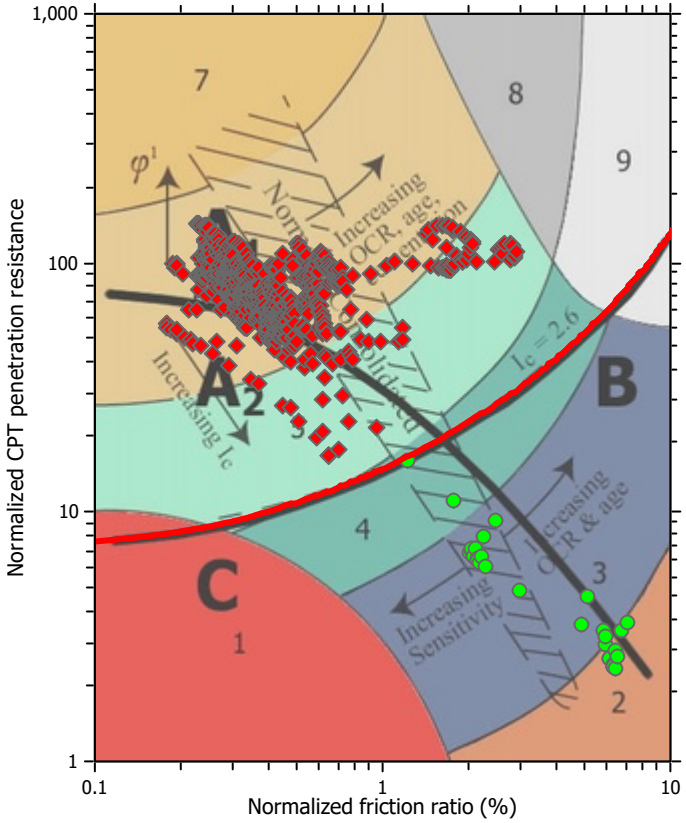
F.S. color scheme

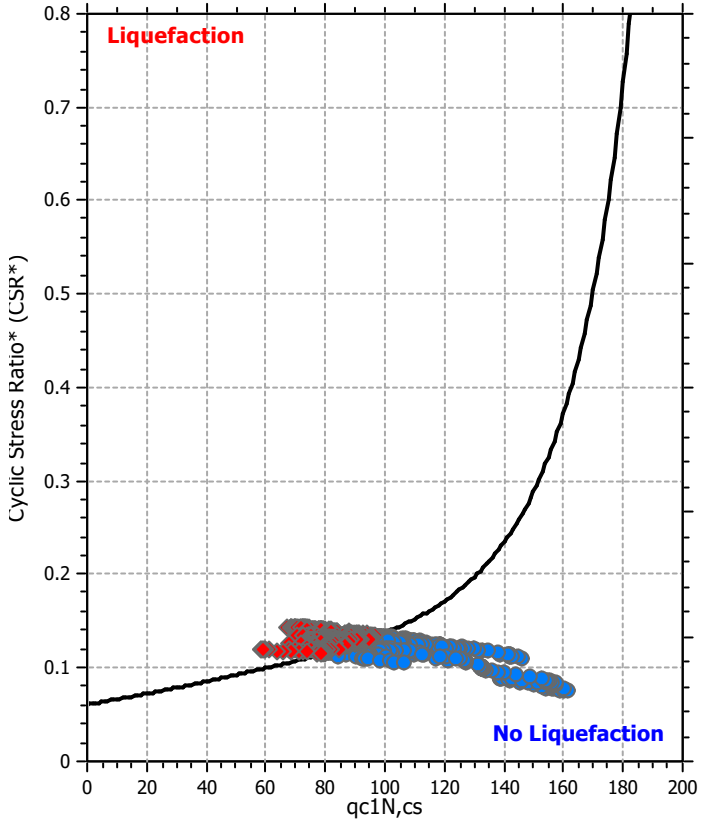
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

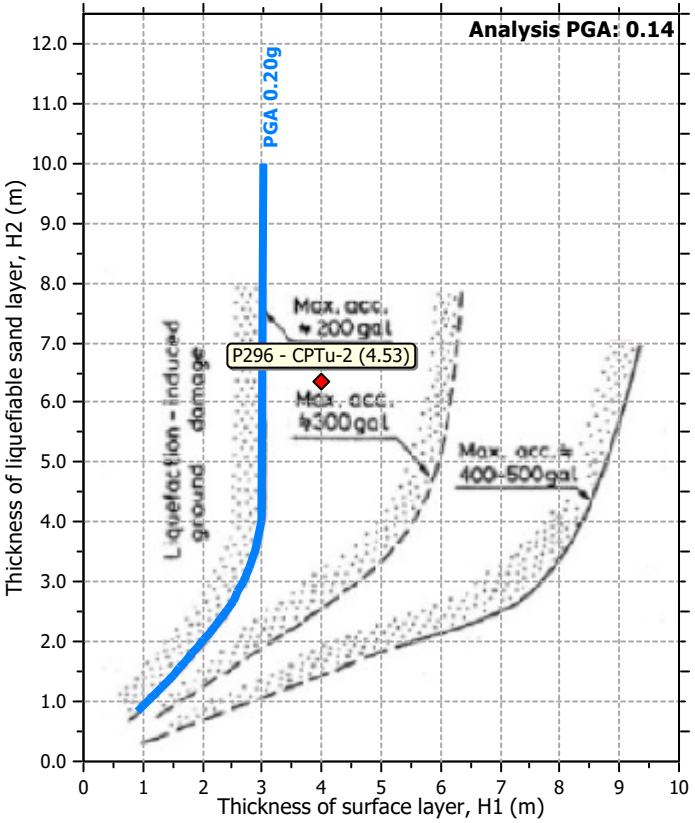
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



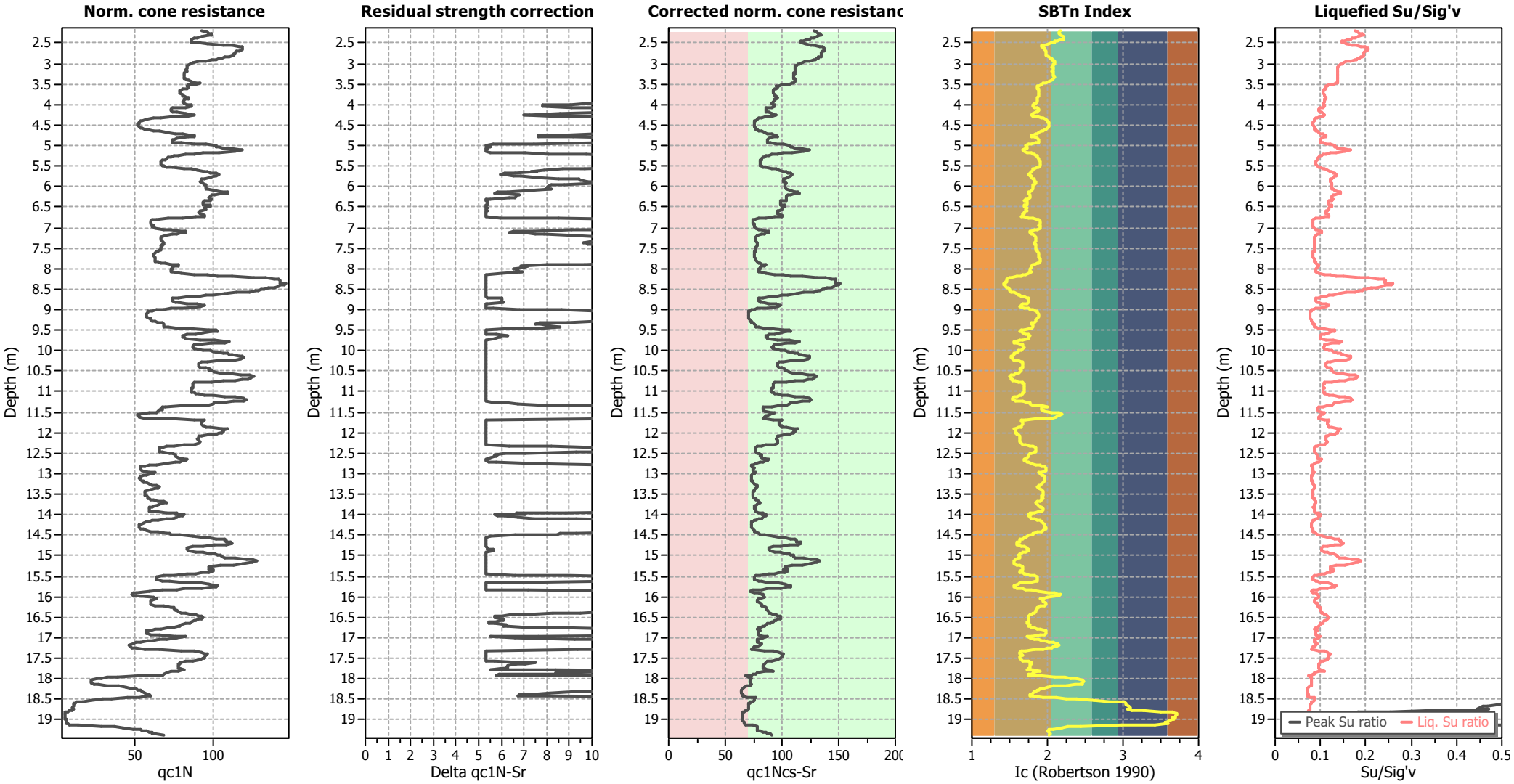




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	1.98	0.00	0.00	0.02	0.00	3.46	1.82	0.00	0.00	0.02	0.00
3.48	1.64	0.00	0.00	0.02	0.00	3.50	1.53	0.00	0.00	0.02	0.00
3.52	1.35	0.00	0.00	0.02	0.00	3.54	1.22	0.00	0.00	0.02	0.00
3.56	1.15	0.00	0.00	0.02	0.00	3.59	1.14	0.00	0.00	0.03	0.00
3.60	1.15	0.00	0.00	0.01	0.00	3.62	1.14	0.00	0.00	0.02	0.00
3.64	1.12	0.00	0.00	0.02	0.00	3.66	1.12	0.00	0.00	0.02	0.00
3.68	1.12	0.00	0.00	0.02	0.00	3.70	1.12	0.00	0.00	0.02	0.00
3.72	1.11	0.00	0.00	0.02	0.00	3.74	1.11	0.00	0.00	0.02	0.00
3.76	1.13	0.00	0.00	0.02	0.00	3.78	1.14	0.00	0.00	0.02	0.00
3.80	1.13	0.00	0.00	0.02	0.00	3.82	1.12	0.00	0.00	0.02	0.00
3.84	1.11	0.00	0.00	0.02	0.00	3.86	1.10	0.00	0.00	0.02	0.00
3.88	1.11	0.00	0.00	0.02	0.00	3.90	1.09	0.00	0.00	0.02	0.00
3.92	1.06	0.00	0.00	0.02	0.00	3.94	1.05	0.00	0.00	0.02	0.00
3.96	1.01	0.00	0.00	0.02	0.00	3.98	0.99	0.00	0.00	0.02	0.00
4.00	0.98	0.00	0.00	0.02	0.00	4.02	0.98	0.00	0.00	0.02	0.00
4.04	0.98	0.00	0.00	0.02	0.00	4.06	0.97	0.00	0.00	0.02	0.00
4.08	0.99	0.00	0.00	0.02	0.00	4.10	0.99	0.00	0.00	0.02	0.00
4.12	0.98	0.00	0.00	0.02	0.00	4.14	0.98	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.16	0.98	0.00	0.00	0.02	0.00	4.18	0.98	0.00	0.00	0.02	0.00
4.20	0.97	0.00	0.00	0.02	0.00	4.22	0.96	0.00	0.00	0.02	0.01
4.24	0.97	0.00	0.00	0.02	0.00	4.26	0.97	0.00	0.00	0.02	0.00
4.28	0.95	0.00	0.00	0.02	0.01	4.30	0.96	0.00	0.00	0.02	0.01
4.32	0.99	0.00	0.00	0.02	0.00	4.34	0.99	0.00	0.00	0.02	0.00
4.36	0.99	0.00	0.00	0.02	0.00	4.38	0.99	0.00	0.00	0.02	0.00
4.40	0.99	0.00	0.00	0.02	0.00	4.42	0.98	0.00	0.00	0.02	0.00
4.44	0.98	0.00	0.00	0.02	0.00	4.46	0.98	0.00	0.00	0.02	0.00
4.48	0.98	0.00	0.00	0.02	0.00	4.50	0.98	0.00	0.00	0.02	0.00
4.52	0.98	0.00	0.00	0.02	0.00	4.54	0.98	0.00	0.00	0.02	0.00
4.56	0.98	0.00	0.00	0.02	0.00	4.58	0.98	0.00	0.00	0.02	0.00
4.60	0.98	0.00	0.00	0.02	0.00	4.62	0.98	0.00	0.00	0.02	0.00
4.64	0.98	0.00	0.00	0.02	0.00	4.66	0.98	0.00	0.00	0.02	0.00
4.68	0.96	0.00	0.00	0.02	0.01	4.70	0.96	0.00	0.00	0.02	0.01
4.72	0.95	0.00	0.00	0.02	0.01	4.74	0.95	0.00	0.00	0.02	0.01
4.76	0.96	0.00	0.00	0.02	0.01	4.78	0.96	0.00	0.00	0.02	0.01
4.80	0.95	0.00	0.00	0.02	0.01	4.82	0.97	0.00	0.00	0.02	0.00
4.84	0.98	0.00	0.00	0.02	0.00	4.86	0.98	0.00	0.00	0.02	0.00
4.88	0.98	0.00	0.00	0.02	0.00	4.90	0.98	0.00	0.00	0.02	0.00
4.92	0.99	0.00	0.00	0.02	0.00	4.94	0.95	0.00	0.00	0.02	0.01
4.96	0.95	0.00	0.00	0.02	0.01	4.98	1.02	0.00	0.00	0.02	0.00
5.00	1.10	0.00	0.00	0.02	0.00	5.02	1.11	0.00	0.00	0.02	0.00
5.04	1.13	0.00	0.00	0.02	0.00	5.06	1.16	0.00	0.00	0.02	0.00
5.08	1.25	0.00	0.00	0.02	0.00	5.10	1.38	0.00	0.00	0.02	0.00
5.12	1.40	0.00	0.00	0.02	0.00	5.14	1.29	0.00	0.00	0.02	0.00
5.16	1.13	0.00	0.00	0.02	0.00	5.19	1.00	0.00	0.00	0.03	0.00
5.20	0.95	0.00	0.00	0.01	0.00	5.22	0.93	0.00	0.00	0.02	0.01
5.24	0.93	0.00	0.00	0.02	0.01	5.26	0.92	0.00	0.00	0.02	0.01
5.28	0.91	0.00	0.00	0.02	0.01	5.30	0.91	0.00	0.00	0.02	0.01
5.32	0.90	0.00	0.00	0.02	0.01	5.34	0.90	0.00	0.00	0.02	0.01
5.36	0.90	0.00	0.00	0.02	0.01	5.38	0.91	0.00	0.00	0.02	0.01
5.40	0.90	0.00	0.00	0.02	0.01	5.42	0.90	0.00	0.00	0.02	0.01
5.44	0.90	0.00	0.00	0.02	0.01	5.46	0.90	0.00	0.00	0.02	0.01
5.48	0.91	0.00	0.00	0.02	0.01	5.50	0.91	0.00	0.00	0.02	0.01
5.52	0.93	0.00	0.00	0.02	0.01	5.54	0.91	0.00	0.00	0.02	0.01
5.56	0.91	0.00	0.00	0.02	0.01	5.58	0.93	0.00	0.00	0.02	0.01
5.60	0.96	0.00	0.00	0.02	0.01	5.62	0.99	0.00	0.00	0.02	0.00
5.64	1.02	0.00	0.00	0.02	0.00	5.66	1.03	0.00	0.00	0.02	0.00
5.68	1.08	0.00	0.00	0.02	0.00	5.70	1.11	0.00	0.00	0.02	0.00
5.72	1.10	0.00	0.00	0.02	0.00	5.74	1.08	0.00	0.00	0.02	0.00
5.76	1.06	0.00	0.00	0.02	0.00	5.78	1.04	0.00	0.00	0.02	0.00
5.80	1.03	0.00	0.00	0.02	0.00	5.82	1.03	0.00	0.00	0.02	0.00
5.84	1.03	0.00	0.00	0.02	0.00	5.86	1.03	0.00	0.00	0.02	0.00
5.88	1.03	0.00	0.00	0.02	0.00	5.90	1.05	0.00	0.00	0.02	0.00
5.92	1.06	0.00	0.00	0.02	0.00	5.94	1.03	0.00	0.00	0.02	0.00
5.96	1.01	0.00	0.00	0.02	0.00	5.98	1.01	0.00	0.00	0.02	0.00
6.00	1.01	0.00	0.00	0.02	0.00	6.02	1.01	0.00	0.00	0.02	0.00
6.04	1.01	0.00	0.00	0.02	0.00	6.06	1.01	0.00	0.00	0.02	0.00
6.08	1.03	0.00	0.00	0.02	0.00	6.10	1.07	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.12	1.13	0.00	0.00	0.02	0.00	6.14	1.17	0.00	0.00	0.02	0.00
6.16	1.18	0.00	0.00	0.02	0.00	6.18	1.12	0.00	0.00	0.02	0.00
6.20	1.05	0.00	0.00	0.02	0.00	6.22	1.03	0.00	0.00	0.02	0.00
6.24	1.01	0.00	0.00	0.02	0.00	6.26	1.01	0.00	0.00	0.02	0.00
6.28	1.01	0.00	0.00	0.02	0.00	6.30	1.02	0.00	0.00	0.02	0.00
6.32	1.03	0.00	0.00	0.02	0.00	6.34	1.02	0.00	0.00	0.02	0.00
6.36	0.97	0.00	0.00	0.02	0.00	6.38	0.97	0.00	0.00	0.02	0.00
6.40	0.96	0.00	0.00	0.02	0.00	6.42	0.96	0.00	0.00	0.02	0.00
6.44	0.96	0.00	0.00	0.02	0.00	6.46	1.01	0.00	0.00	0.02	0.00
6.48	1.01	0.00	0.00	0.02	0.00	6.50	0.99	0.00	0.00	0.02	0.00
6.52	0.97	0.00	0.00	0.02	0.00	6.54	0.97	0.00	0.00	0.02	0.00
6.56	0.98	0.00	0.00	0.02	0.00	6.58	0.95	0.00	0.00	0.02	0.01
6.60	0.94	0.00	0.00	0.02	0.01	6.62	0.93	0.00	0.00	0.02	0.01
6.64	0.93	0.00	0.00	0.02	0.01	6.66	0.93	0.00	0.00	0.02	0.01
6.68	0.94	0.00	0.00	0.02	0.01	6.70	0.97	0.00	0.00	0.02	0.00
6.72	0.97	0.00	0.00	0.02	0.00	6.74	0.91	0.00	0.00	0.02	0.01
6.76	0.83	0.00	0.00	0.02	0.02	6.78	0.78	0.00	0.00	0.02	0.03
6.80	0.80	0.00	0.00	0.02	0.03	6.82	0.82	0.00	0.00	0.02	0.02
6.84	0.82	0.00	0.00	0.02	0.02	6.86	0.82	0.00	0.00	0.02	0.02
6.88	0.82	0.00	0.00	0.02	0.02	6.90	0.82	0.00	0.00	0.02	0.02
6.92	0.84	0.00	0.00	0.02	0.02	6.94	0.82	0.00	0.00	0.02	0.02
6.96	0.83	0.00	0.00	0.02	0.02	6.98	0.83	0.00	0.00	0.02	0.02
7.00	0.83	0.00	0.00	0.02	0.02	7.02	0.85	0.00	0.00	0.02	0.02
7.04	0.83	0.00	0.00	0.02	0.02	7.06	0.81	0.00	0.00	0.02	0.03
7.08	0.82	0.00	0.00	0.02	0.02	7.10	0.85	0.00	0.00	0.02	0.02
7.12	0.84	0.00	0.00	0.02	0.02	7.14	0.82	0.00	0.00	0.02	0.02
7.16	0.81	0.00	0.00	0.02	0.02	7.18	0.79	0.00	0.00	0.02	0.03
7.20	0.78	0.00	0.00	0.02	0.03	7.22	0.78	0.00	0.00	0.02	0.03
7.24	0.78	0.00	0.00	0.02	0.03	7.26	0.78	0.00	0.00	0.02	0.03
7.28	0.78	0.00	0.00	0.02	0.03	7.30	0.78	0.00	0.00	0.02	0.03
7.32	0.78	0.00	0.00	0.02	0.03	7.34	0.78	0.00	0.00	0.02	0.03
7.35	0.78	0.00	0.00	0.02	0.03	7.37	0.78	0.00	0.00	0.02	0.03
7.39	0.78	0.00	0.00	0.02	0.03	7.41	0.79	0.00	0.00	0.02	0.03
7.43	0.79	0.00	0.00	0.02	0.03	7.45	0.79	0.00	0.00	0.02	0.03
7.47	0.79	0.00	0.00	0.02	0.03	7.49	0.80	0.00	0.00	0.02	0.03
7.51	0.80	0.00	0.00	0.02	0.03	7.53	0.79	0.00	0.00	0.02	0.03
7.55	0.80	0.00	0.00	0.02	0.03	7.57	0.80	0.00	0.00	0.02	0.03
7.59	0.81	0.00	0.00	0.02	0.02	7.61	0.81	0.00	0.00	0.02	0.02
7.63	0.81	0.00	0.00	0.02	0.02	7.65	0.81	0.00	0.00	0.02	0.02
7.67	0.81	0.00	0.00	0.02	0.02	7.69	0.81	0.00	0.00	0.02	0.02
7.71	0.81	0.00	0.00	0.02	0.02	7.73	0.81	0.00	0.00	0.02	0.02
7.75	0.83	0.00	0.00	0.02	0.02	7.77	0.85	0.00	0.00	0.02	0.02
7.79	0.85	0.00	0.00	0.02	0.02	7.81	0.85	0.00	0.00	0.02	0.02
7.83	0.85	0.00	0.00	0.02	0.02	7.85	0.84	0.00	0.00	0.02	0.02
7.87	0.82	0.00	0.00	0.02	0.02	7.89	0.81	0.00	0.00	0.02	0.02
7.91	0.82	0.00	0.00	0.02	0.02	7.93	0.81	0.00	0.00	0.02	0.02
7.95	0.79	0.00	0.00	0.02	0.03	7.97	0.78	0.00	0.00	0.02	0.03
7.99	0.78	0.00	0.00	0.02	0.03	8.01	0.77	0.00	0.00	0.02	0.03
8.03	0.77	0.00	0.00	0.02	0.03	8.05	0.77	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.07	0.77	0.00	0.00	0.02	0.03	8.09	0.78	0.00	0.00	0.02	0.03
8.11	0.82	0.00	0.00	0.02	0.02	8.13	0.89	0.00	0.00	0.02	0.01
8.15	0.98	0.00	0.00	0.02	0.00	8.17	1.06	0.00	0.00	0.02	0.00
8.19	1.21	0.00	0.00	0.02	0.00	8.21	1.53	0.00	0.00	0.02	0.00
8.23	1.77	0.00	0.00	0.02	0.00	8.25	2.00	0.00	0.00	0.02	0.00
8.27	2.00	0.00	0.00	0.02	0.00	8.29	2.00	0.00	0.00	0.02	0.00
8.31	2.00	0.00	0.00	0.02	0.00	8.33	2.00	0.00	0.00	0.02	0.00
8.35	2.00	0.00	0.00	0.02	0.00	8.37	2.00	0.00	0.00	0.02	0.00
8.39	2.00	0.00	0.00	0.02	0.00	8.41	2.00	0.00	0.00	0.02	0.00
8.43	2.00	0.00	0.00	0.02	0.00	8.45	1.99	0.00	0.00	0.02	0.00
8.47	1.83	0.00	0.00	0.02	0.00	8.49	1.72	0.00	0.00	0.02	0.00
8.51	1.66	0.00	0.00	0.02	0.00	8.53	1.60	0.00	0.00	0.02	0.00
8.55	1.56	0.00	0.00	0.02	0.00	8.57	1.45	0.00	0.00	0.02	0.00
8.59	1.26	0.00	0.00	0.02	0.00	8.61	1.13	0.00	0.00	0.02	0.00
8.63	1.03	0.00	0.00	0.02	0.00	8.65	0.97	0.00	0.00	0.02	0.00
8.67	0.92	0.00	0.00	0.02	0.01	8.69	0.86	0.00	0.00	0.02	0.02
8.71	0.81	0.00	0.00	0.02	0.02	8.73	0.78	0.00	0.00	0.02	0.02
8.75	0.78	0.00	0.00	0.02	0.02	8.77	0.78	0.00	0.00	0.02	0.02
8.79	0.78	0.00	0.00	0.02	0.02	8.81	0.79	0.00	0.00	0.02	0.02
8.83	0.81	0.00	0.00	0.02	0.02	8.85	0.85	0.00	0.00	0.02	0.02
8.87	0.91	0.00	0.00	0.02	0.01	8.89	0.94	0.00	0.00	0.02	0.01
8.91	0.96	0.00	0.00	0.02	0.00	8.93	0.93	0.00	0.00	0.02	0.01
8.95	0.84	0.00	0.00	0.02	0.02	8.97	0.77	0.00	0.00	0.02	0.02
8.99	0.74	0.00	0.00	0.02	0.03	9.01	0.73	0.00	0.00	0.02	0.03
9.03	0.74	0.00	0.00	0.02	0.03	9.05	0.76	0.00	0.00	0.02	0.03
9.07	0.76	0.00	0.00	0.02	0.03	9.09	0.77	0.00	0.00	0.02	0.03
9.11	0.77	0.00	0.00	0.02	0.03	9.13	0.77	0.00	0.00	0.02	0.03
9.15	0.77	0.00	0.00	0.02	0.02	9.17	0.77	0.00	0.00	0.02	0.02
9.19	0.77	0.00	0.00	0.02	0.03	9.21	0.76	0.00	0.00	0.02	0.03
9.23	0.75	0.00	0.00	0.02	0.03	9.25	0.75	0.00	0.00	0.02	0.03
9.27	0.75	0.00	0.00	0.02	0.03	9.29	0.75	0.00	0.00	0.02	0.03
9.31	0.74	0.00	0.00	0.02	0.03	9.33	0.74	0.00	0.00	0.02	0.03
9.35	0.75	0.00	0.00	0.02	0.03	9.37	0.75	0.00	0.00	0.02	0.03
9.39	0.75	0.00	0.00	0.02	0.03	9.41	0.76	0.00	0.00	0.02	0.02
9.43	0.78	0.00	0.00	0.02	0.02	9.45	0.81	0.00	0.00	0.02	0.02
9.47	0.86	0.00	0.00	0.02	0.01	9.49	0.99	0.00	0.00	0.02	0.00
9.51	1.06	0.00	0.00	0.02	0.00	9.53	1.06	0.00	0.00	0.02	0.00
9.55	1.01	0.00	0.00	0.02	0.00	9.57	0.96	0.00	0.00	0.02	0.00
9.59	0.91	0.00	0.00	0.02	0.01	9.61	0.85	0.00	0.00	0.02	0.02
9.63	0.83	0.00	0.00	0.02	0.02	9.65	0.83	0.00	0.00	0.02	0.02
9.67	0.83	0.00	0.00	0.02	0.02	9.69	0.84	0.00	0.00	0.02	0.02
9.71	0.85	0.00	0.00	0.02	0.02	9.73	0.93	0.00	0.00	0.02	0.01
9.75	1.04	0.00	0.00	0.02	0.00	9.77	1.15	0.00	0.00	0.02	0.00
9.79	1.19	0.00	0.00	0.02	0.00	9.81	1.13	0.00	0.00	0.02	0.00
9.83	1.02	0.00	0.00	0.02	0.00	9.85	0.93	0.00	0.00	0.02	0.01
9.87	0.90	0.00	0.00	0.02	0.01	9.89	0.89	0.00	0.00	0.02	0.01
9.91	0.89	0.00	0.00	0.02	0.01	9.93	0.89	0.00	0.00	0.02	0.01
9.95	0.90	0.00	0.00	0.02	0.01	9.97	0.91	0.00	0.00	0.02	0.01
9.99	0.96	0.00	0.00	0.02	0.00	10.01	1.01	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.03	1.04	0.00	0.00	0.02	0.00	10.05	1.12	0.00	0.00	0.02	0.00
10.07	1.17	0.00	0.00	0.02	0.00	10.09	1.19	0.00	0.00	0.02	0.00
10.11	1.22	0.00	0.00	0.02	0.00	10.13	1.31	0.00	0.00	0.02	0.00
10.15	1.36	0.00	0.00	0.02	0.00	10.17	1.36	0.00	0.00	0.02	0.00
10.19	1.37	0.00	0.00	0.02	0.00	10.21	1.34	0.00	0.00	0.02	0.00
10.23	1.25	0.00	0.00	0.02	0.00	10.25	1.09	0.00	0.00	0.02	0.00
10.27	0.99	0.00	0.00	0.02	0.00	10.29	0.95	0.00	0.00	0.02	0.00
10.31	0.93	0.00	0.00	0.02	0.01	10.33	0.93	0.00	0.00	0.02	0.01
10.35	0.93	0.00	0.00	0.02	0.01	10.37	0.93	0.00	0.00	0.02	0.01
10.39	0.93	0.00	0.00	0.02	0.01	10.40	0.95	0.00	0.00	0.02	0.01
10.42	0.99	0.00	0.00	0.02	0.00	10.44	1.01	0.00	0.00	0.02	0.00
10.46	1.01	0.00	0.00	0.02	0.00	10.48	1.01	0.00	0.00	0.02	0.00
10.50	1.03	0.00	0.00	0.02	0.00	10.52	1.05	0.00	0.00	0.02	0.00
10.54	1.12	0.00	0.00	0.02	0.00	10.56	1.21	0.00	0.00	0.02	0.00
10.58	1.34	0.00	0.00	0.02	0.00	10.60	1.48	0.00	0.00	0.02	0.00
10.62	1.55	0.00	0.00	0.02	0.00	10.64	1.54	0.00	0.00	0.02	0.00
10.66	1.49	0.00	0.00	0.02	0.00	10.68	1.45	0.00	0.00	0.02	0.00
10.70	1.36	0.00	0.00	0.02	0.00	10.72	1.27	0.00	0.00	0.02	0.00
10.74	1.14	0.00	0.00	0.02	0.00	10.76	1.03	0.00	0.00	0.02	0.00
10.78	0.91	0.00	0.00	0.02	0.01	10.80	0.90	0.00	0.00	0.02	0.01
10.82	0.90	0.00	0.00	0.02	0.01	10.84	0.90	0.00	0.00	0.02	0.01
10.86	0.90	0.00	0.00	0.02	0.01	10.88	0.90	0.00	0.00	0.02	0.01
10.90	0.91	0.00	0.00	0.02	0.01	10.92	0.90	0.00	0.00	0.02	0.01
10.94	0.90	0.00	0.00	0.02	0.01	10.96	0.90	0.00	0.00	0.02	0.01
10.98	0.90	0.00	0.00	0.02	0.01	11.00	0.90	0.00	0.00	0.02	0.01
11.02	0.91	0.00	0.00	0.02	0.01	11.04	0.92	0.00	0.00	0.02	0.01
11.06	0.94	0.00	0.00	0.02	0.01	11.08	0.99	0.00	0.00	0.02	0.00
11.10	1.05	0.00	0.00	0.02	0.00	11.12	1.15	0.00	0.00	0.02	0.00
11.14	1.28	0.00	0.00	0.02	0.00	11.16	1.40	0.00	0.00	0.02	0.00
11.18	1.42	0.00	0.00	0.02	0.00	11.20	1.44	0.00	0.00	0.02	0.00
11.22	1.40	0.00	0.00	0.02	0.00	11.24	1.26	0.00	0.00	0.02	0.00
11.26	1.14	0.00	0.00	0.02	0.00	11.28	1.07	0.00	0.00	0.02	0.00
11.30	1.05	0.00	0.00	0.02	0.00	11.32	1.03	0.00	0.00	0.02	0.00
11.34	1.17	0.00	0.00	0.02	0.00	11.36	1.15	0.00	0.00	0.02	0.00
11.38	0.96	0.00	0.00	0.02	0.00	11.40	0.96	0.00	0.00	0.02	0.00
11.42	0.96	0.00	0.00	0.02	0.00	11.44	0.95	0.00	0.00	0.02	0.00
11.46	0.97	0.00	0.00	0.02	0.00	11.48	1.02	0.00	0.00	0.02	0.00
11.50	1.18	0.00	0.00	0.02	0.00	11.52	1.24	0.00	0.00	0.02	0.00
11.54	1.16	0.00	0.00	0.02	0.00	11.56	1.14	0.00	0.00	0.02	0.00
11.58	1.10	0.00	0.00	0.02	0.00	11.60	1.09	0.00	0.00	0.02	0.00
11.62	1.08	0.00	0.00	0.02	0.00	11.64	1.06	0.00	0.00	0.02	0.00
11.66	0.89	0.00	0.00	0.02	0.01	11.68	0.92	0.00	0.00	0.02	0.01
11.70	1.00	0.00	0.00	0.02	0.00	11.72	0.98	0.00	0.00	0.02	0.00
11.74	0.98	0.00	0.00	0.02	0.00	11.76	0.97	0.00	0.00	0.02	0.00
11.78	0.97	0.00	0.00	0.02	0.00	11.80	0.98	0.00	0.00	0.02	0.00
11.82	0.99	0.00	0.00	0.02	0.00	11.84	1.00	0.00	0.00	0.02	0.00
11.86	1.01	0.00	0.00	0.02	0.00	11.88	1.05	0.00	0.00	0.02	0.00
11.90	1.15	0.00	0.00	0.02	0.00	11.92	1.21	0.00	0.00	0.02	0.00
11.94	1.17	0.00	0.00	0.02	0.00	11.96	1.16	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.98	1.15	0.00	0.00	0.02	0.00	12.00	1.15	0.00	0.00	0.02	0.00
12.02	1.12	0.00	0.00	0.02	0.00	12.04	1.09	0.00	0.00	0.02	0.00
12.06	1.04	0.00	0.00	0.02	0.00	12.08	0.98	0.00	0.00	0.02	0.00
12.10	0.97	0.00	0.00	0.02	0.00	12.12	0.96	0.00	0.00	0.02	0.00
12.14	0.96	0.00	0.00	0.02	0.00	12.16	0.96	0.00	0.00	0.02	0.00
12.18	0.96	0.00	0.00	0.02	0.00	12.20	0.96	0.00	0.00	0.02	0.00
12.22	0.97	0.00	0.00	0.02	0.00	12.24	0.97	0.00	0.00	0.02	0.00
12.26	0.96	0.00	0.00	0.02	0.00	12.28	0.94	0.00	0.00	0.02	0.00
12.30	0.88	0.00	0.00	0.02	0.01	12.32	0.83	0.00	0.00	0.02	0.01
12.34	0.81	0.00	0.00	0.02	0.01	12.36	0.82	0.00	0.00	0.02	0.01
12.38	0.82	0.00	0.00	0.02	0.01	12.40	0.82	0.00	0.00	0.02	0.01
12.42	0.82	0.00	0.00	0.02	0.01	12.44	0.82	0.00	0.00	0.02	0.01
12.45	0.83	0.00	0.00	0.02	0.01	12.47	0.81	0.00	0.00	0.02	0.01
12.49	0.80	0.00	0.00	0.02	0.01	12.51	0.82	0.00	0.00	0.02	0.01
12.53	0.84	0.00	0.00	0.02	0.01	12.55	0.83	0.00	0.00	0.02	0.01
12.57	0.83	0.00	0.00	0.02	0.01	12.59	0.84	0.00	0.00	0.02	0.01
12.61	0.85	0.00	0.00	0.02	0.01	12.63	0.89	0.00	0.00	0.02	0.01
12.65	0.90	0.00	0.00	0.02	0.01	12.67	0.89	0.00	0.00	0.02	0.01
12.69	0.88	0.00	0.00	0.02	0.01	12.71	0.86	0.00	0.00	0.02	0.01
12.73	0.84	0.00	0.00	0.02	0.01	12.75	0.80	0.00	0.00	0.02	0.01
12.77	0.81	0.00	0.00	0.02	0.01	12.79	0.86	0.00	0.00	0.02	0.01
12.81	0.89	0.00	0.00	0.02	0.01	12.83	0.91	0.00	0.00	0.02	0.01
12.85	0.93	0.00	0.00	0.02	0.01	12.87	0.95	0.00	0.00	0.02	0.00
12.89	0.94	0.00	0.00	0.02	0.00	12.91	0.94	0.00	0.00	0.02	0.00
12.93	0.94	0.00	0.00	0.02	0.00	12.95	0.91	0.00	0.00	0.02	0.01
12.97	0.88	0.00	0.00	0.02	0.01	12.99	0.88	0.00	0.00	0.02	0.01
13.01	0.88	0.00	0.00	0.02	0.01	13.03	0.89	0.00	0.00	0.02	0.01
13.05	0.90	0.00	0.00	0.02	0.01	13.07	0.91	0.00	0.00	0.02	0.01
13.09	0.92	0.00	0.00	0.02	0.01	13.11	0.92	0.00	0.00	0.02	0.01
13.13	0.92	0.00	0.00	0.02	0.01	13.15	0.92	0.00	0.00	0.02	0.01
13.17	0.92	0.00	0.00	0.02	0.01	13.19	0.92	0.00	0.00	0.02	0.01
13.21	0.92	0.00	0.00	0.02	0.01	13.23	0.92	0.00	0.00	0.02	0.01
13.25	0.92	0.00	0.00	0.02	0.01	13.27	0.92	0.00	0.00	0.02	0.01
13.29	0.90	0.00	0.00	0.02	0.01	13.31	0.89	0.00	0.00	0.02	0.01
13.33	0.88	0.00	0.00	0.02	0.01	13.35	0.89	0.00	0.00	0.02	0.01
13.37	0.89	0.00	0.00	0.02	0.01	13.39	0.91	0.00	0.00	0.02	0.01
13.41	0.94	0.00	0.00	0.02	0.00	13.43	0.93	0.00	0.00	0.02	0.00
13.45	0.92	0.00	0.00	0.02	0.01	13.47	0.92	0.00	0.00	0.02	0.01
13.49	0.92	0.00	0.00	0.02	0.01	13.51	0.92	0.00	0.00	0.02	0.01
13.53	0.92	0.00	0.00	0.02	0.01	13.55	0.91	0.00	0.00	0.02	0.01
13.57	0.90	0.00	0.00	0.02	0.01	13.59	0.92	0.00	0.00	0.02	0.01
13.61	0.96	0.00	0.00	0.02	0.00	13.63	0.95	0.00	0.00	0.02	0.00
13.65	0.95	0.00	0.00	0.02	0.00	13.67	0.94	0.00	0.00	0.02	0.00
13.69	0.89	0.00	0.00	0.02	0.01	13.71	0.88	0.00	0.00	0.02	0.01
13.73	0.88	0.00	0.00	0.02	0.01	13.75	0.88	0.00	0.00	0.02	0.01
13.77	0.89	0.00	0.00	0.02	0.01	13.79	0.89	0.00	0.00	0.02	0.01
13.81	0.91	0.00	0.00	0.02	0.01	13.83	0.94	0.00	0.00	0.02	0.00
13.85	0.94	0.00	0.00	0.02	0.00	13.87	0.97	0.00	0.00	0.02	0.00
13.89	0.95	0.00	0.00	0.02	0.00	13.91	0.94	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.93	0.89	0.00	0.00	0.02	0.01	13.95	0.85	0.00	0.00	0.02	0.01
13.97	0.87	0.00	0.00	0.02	0.01	13.99	0.86	0.00	0.00	0.02	0.01
14.01	0.90	0.00	0.00	0.02	0.01	14.03	0.90	0.00	0.00	0.02	0.01
14.05	0.89	0.00	0.00	0.02	0.01	14.07	0.87	0.00	0.00	0.02	0.01
14.09	0.86	0.00	0.00	0.02	0.01	14.10	0.85	0.00	0.00	0.02	0.01
14.12	0.89	0.00	0.00	0.02	0.01	14.14	0.91	0.00	0.00	0.02	0.01
14.16	0.92	0.00	0.00	0.02	0.00	14.18	0.92	0.00	0.00	0.02	0.00
14.20	0.92	0.00	0.00	0.02	0.00	14.22	0.93	0.00	0.00	0.02	0.00
14.24	0.94	0.00	0.00	0.02	0.00	14.26	0.94	0.00	0.00	0.02	0.00
14.28	0.94	0.00	0.00	0.02	0.00	14.30	0.95	0.00	0.00	0.02	0.00
14.32	0.96	0.00	0.00	0.02	0.00	14.34	0.96	0.00	0.00	0.02	0.00
14.36	0.95	0.00	0.00	0.02	0.00	14.38	0.95	0.00	0.00	0.02	0.00
14.40	0.94	0.00	0.00	0.02	0.00	14.42	0.90	0.00	0.00	0.02	0.01
14.44	0.86	0.00	0.00	0.02	0.01	14.46	0.86	0.00	0.00	0.02	0.01
14.48	0.87	0.00	0.00	0.02	0.01	14.50	0.89	0.00	0.00	0.02	0.01
14.52	0.97	0.00	0.00	0.02	0.00	14.54	1.05	0.00	0.00	0.02	0.00
14.56	1.09	0.00	0.00	0.02	0.00	14.58	1.16	0.00	0.00	0.02	0.00
14.60	1.24	0.00	0.00	0.02	0.00	14.62	1.27	0.00	0.00	0.02	0.00
14.64	1.25	0.00	0.00	0.02	0.00	14.66	1.27	0.00	0.00	0.02	0.00
14.68	1.32	0.00	0.00	0.02	0.00	14.70	1.34	0.00	0.00	0.02	0.00
14.72	1.28	0.00	0.00	0.02	0.00	14.74	1.16	0.00	0.00	0.02	0.00
14.76	1.05	0.00	0.00	0.02	0.00	14.78	0.98	0.00	0.00	0.02	0.00
14.80	0.94	0.00	0.00	0.02	0.00	14.82	0.94	0.00	0.00	0.02	0.00
14.84	0.94	0.00	0.00	0.02	0.00	14.86	0.94	0.00	0.00	0.02	0.00
14.88	0.95	0.00	0.00	0.02	0.00	14.90	1.00	0.00	0.00	0.02	0.00
14.92	1.05	0.00	0.00	0.02	0.00	14.94	1.10	0.00	0.00	0.02	0.00
14.96	1.15	0.00	0.00	0.02	0.00	14.98	1.19	0.00	0.00	0.02	0.00
15.00	1.22	0.00	0.00	0.02	0.00	15.02	1.23	0.00	0.00	0.02	0.00
15.04	1.26	0.00	0.00	0.02	0.00	15.06	1.38	0.00	0.00	0.02	0.00
15.08	1.56	0.00	0.00	0.02	0.00	15.10	1.69	0.00	0.00	0.02	0.00
15.12	1.77	0.00	0.00	0.02	0.00	15.14	1.74	0.00	0.00	0.02	0.00
15.16	1.69	0.00	0.00	0.02	0.00	15.18	1.66	0.00	0.00	0.02	0.00
15.20	1.51	0.00	0.00	0.02	0.00	15.22	1.38	0.00	0.00	0.02	0.00
15.24	1.22	0.00	0.00	0.02	0.00	15.26	1.11	0.00	0.00	0.02	0.00
15.28	1.11	0.00	0.00	0.02	0.00	15.30	1.11	0.00	0.00	0.02	0.00
15.32	1.11	0.00	0.00	0.02	0.00	15.34	1.11	0.00	0.00	0.02	0.00
15.36	1.15	0.00	0.00	0.02	0.00	15.38	1.15	0.00	0.00	0.02	0.00
15.40	1.12	0.00	0.00	0.02	0.00	15.42	1.06	0.00	0.00	0.02	0.00
15.44	1.01	0.00	0.00	0.02	0.00	15.46	0.96	0.00	0.00	0.02	0.00
15.47	0.89	0.00	0.00	0.02	0.01	15.49	0.86	0.00	0.00	0.02	0.01
15.51	0.90	0.00	0.00	0.02	0.00	15.53	0.90	0.00	0.00	0.02	0.00
15.55	0.90	0.00	0.00	0.02	0.00	15.57	0.90	0.00	0.00	0.02	0.00
15.59	0.90	0.00	0.00	0.02	0.00	15.61	0.93	0.00	0.00	0.02	0.00
15.63	0.94	0.00	0.00	0.02	0.00	15.65	0.95	0.00	0.00	0.02	0.00
15.67	1.06	0.00	0.00	0.02	0.00	15.69	1.13	0.00	0.00	0.02	0.00
15.71	1.18	0.00	0.00	0.02	0.00	15.73	1.22	0.00	0.00	0.02	0.00
15.75	1.20	0.00	0.00	0.02	0.00	15.77	1.16	0.00	0.00	0.02	0.00
15.79	1.08	0.00	0.00	0.02	0.00	15.81	0.95	0.00	0.00	0.02	0.00
15.83	0.91	0.00	0.00	0.02	0.00	15.85	0.84	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.87	0.89	0.00	0.00	0.02	0.00	15.89	1.04	0.00	0.00	0.02	0.00
15.91	1.11	0.00	0.00	0.02	0.00	15.93	1.13	0.00	0.00	0.02	0.00
15.95	1.15	0.00	0.00	0.02	0.00	15.97	1.17	0.00	0.00	0.02	0.00
15.99	1.18	0.00	0.00	0.02	0.00	16.01	1.16	0.00	0.00	0.02	0.00
16.03	1.06	0.00	0.00	0.02	0.00	16.05	1.00	0.00	0.00	0.02	0.00
16.07	1.02	0.00	0.00	0.02	0.00	16.09	1.03	0.00	0.00	0.02	0.00
16.11	1.04	0.00	0.00	0.02	0.00	16.13	1.04	0.00	0.00	0.02	0.00
16.15	1.09	0.00	0.00	0.02	0.00	16.17	1.11	0.00	0.00	0.02	0.00
16.19	1.12	0.00	0.00	0.02	0.00	16.21	1.11	0.00	0.00	0.02	0.00
16.23	1.06	0.00	0.00	0.02	0.00	16.25	1.03	0.00	0.00	0.02	0.00
16.27	1.01	0.00	0.00	0.02	0.00	16.29	1.02	0.00	0.00	0.02	0.00
16.31	1.02	0.00	0.00	0.02	0.00	16.33	1.02	0.00	0.00	0.02	0.00
16.35	1.02	0.00	0.00	0.02	0.00	16.37	1.01	0.00	0.00	0.02	0.00
16.39	1.00	0.00	0.00	0.02	0.00	16.41	1.00	0.00	0.00	0.02	0.00
16.43	1.02	0.00	0.00	0.02	0.00	16.45	1.04	0.00	0.00	0.02	0.00
16.47	1.07	0.00	0.00	0.02	0.00	16.49	1.09	0.00	0.00	0.02	0.00
16.51	1.10	0.00	0.00	0.02	0.00	16.53	1.09	0.00	0.00	0.02	0.00
16.55	1.07	0.00	0.00	0.02	0.00	16.57	1.05	0.00	0.00	0.02	0.00
16.59	1.04	0.00	0.00	0.02	0.00	16.61	1.02	0.00	0.00	0.02	0.00
16.63	1.02	0.00	0.00	0.02	0.00	16.64	1.01	0.00	0.00	0.02	0.00
16.66	0.98	0.00	0.00	0.02	0.00	16.68	0.96	0.00	0.00	0.02	0.00
16.70	0.95	0.00	0.00	0.02	0.00	16.72	0.94	0.00	0.00	0.02	0.00
16.74	0.91	0.00	0.00	0.02	0.00	16.76	0.91	0.00	0.00	0.02	0.00
16.78	0.94	0.00	0.00	0.02	0.00	16.80	1.01	0.00	0.00	0.02	0.00
16.82	1.13	0.00	0.00	0.02	0.00	16.84	1.10	0.00	0.00	0.02	0.00
16.86	1.10	0.00	0.00	0.02	0.00	16.88	1.10	0.00	0.00	0.02	0.00
16.90	1.10	0.00	0.00	0.02	0.00	16.92	1.08	0.00	0.00	0.02	0.00
16.94	1.02	0.00	0.00	0.02	0.00	16.96	0.94	0.00	0.00	0.02	0.00
16.98	0.99	0.00	0.00	0.02	0.00	17.00	0.94	0.00	0.00	0.02	0.00
17.02	0.93	0.00	0.00	0.02	0.00	17.04	0.98	0.00	0.00	0.02	0.00
17.06	1.04	0.00	0.00	0.02	0.00	17.08	1.07	0.00	0.00	0.02	0.00
17.10	1.11	0.00	0.00	0.02	0.00	17.12	1.13	0.00	0.00	0.02	0.00
17.14	1.16	0.00	0.00	0.02	0.00	17.16	1.19	0.00	0.00	0.02	0.00
17.18	1.15	0.00	0.00	0.02	0.00	17.20	1.12	0.00	0.00	0.02	0.00
17.22	1.08	0.00	0.00	0.02	0.00	17.24	1.07	0.00	0.00	0.02	0.00
17.26	1.06	0.00	0.00	0.02	0.00	17.28	1.00	0.00	0.00	0.02	0.00
17.30	0.89	0.00	0.00	0.02	0.00	17.32	0.98	0.00	0.00	0.02	0.00
17.34	1.06	0.00	0.00	0.02	0.00	17.36	1.11	0.00	0.00	0.02	0.00
17.38	1.15	0.00	0.00	0.02	0.00	17.40	1.16	0.00	0.00	0.02	0.00
17.42	1.16	0.00	0.00	0.02	0.00	17.44	1.15	0.00	0.00	0.02	0.00
17.46	1.15	0.00	0.00	0.02	0.00	17.48	1.15	0.00	0.00	0.02	0.00
17.50	1.14	0.00	0.00	0.02	0.00	17.52	1.13	0.00	0.00	0.02	0.00
17.54	1.11	0.00	0.00	0.02	0.00	17.56	1.05	0.00	0.00	0.02	0.00
17.58	1.01	0.00	0.00	0.02	0.00	17.60	0.99	0.00	0.00	0.02	0.00
17.62	0.98	0.00	0.00	0.02	0.00	17.64	0.97	0.00	0.00	0.02	0.00
17.66	0.97	0.00	0.00	0.02	0.00	17.67	0.96	0.00	0.00	0.02	0.00
17.69	0.96	0.00	0.00	0.02	0.00	17.71	0.96	0.00	0.00	0.02	0.00
17.73	0.97	0.00	0.00	0.02	0.00	17.75	0.97	0.00	0.00	0.02	0.00
17.77	1.01	0.00	0.00	0.02	0.00	17.79	1.03	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.81	1.25	0.00	0.00	0.02	0.00	17.83	1.04	0.00	0.00	0.02	0.00
17.85	0.93	0.00	0.00	0.02	0.00	17.87	0.92	0.00	0.00	0.02	0.00
17.89	0.89	0.00	0.00	0.02	0.00	17.91	0.89	0.00	0.00	0.02	0.00
17.93	0.92	0.00	0.00	0.02	0.00	17.95	1.03	0.00	0.00	0.02	0.00
17.97	1.02	0.00	0.00	0.02	0.00	17.99	1.01	0.00	0.00	0.02	0.00
18.01	0.99	0.00	0.00	0.02	0.00	18.03	0.97	0.00	0.00	0.02	0.00
18.05	0.97	0.00	0.00	0.02	0.00	18.07	0.97	0.00	0.00	0.02	0.00
18.09	0.97	0.00	0.00	0.02	0.00	18.11	0.97	0.00	0.00	0.02	0.00
18.13	0.99	0.00	0.00	0.02	0.00	18.15	1.01	0.00	0.00	0.02	0.00
18.17	1.03	0.00	0.00	0.02	0.00	18.19	1.03	0.00	0.00	0.02	0.00
18.21	1.00	0.00	0.00	0.02	0.00	18.23	0.95	0.00	0.00	0.02	0.00
18.25	0.90	0.00	0.00	0.02	0.00	18.27	0.88	0.00	0.00	0.02	0.00
18.29	0.86	0.00	0.00	0.02	0.00	18.31	0.85	0.00	0.00	0.02	0.00
18.33	0.83	0.00	0.00	0.02	0.00	18.35	0.82	0.00	0.00	0.02	0.00
18.37	0.83	0.00	0.00	0.02	0.00	18.39	0.83	0.00	0.00	0.02	0.00
18.41	0.84	0.00	0.00	0.02	0.00	18.43	0.83	0.00	0.00	0.02	0.00
18.45	0.99	0.00	0.00	0.02	0.00	18.47	1.14	0.00	0.00	0.02	0.00
18.49	1.09	0.00	0.00	0.02	0.00	18.51	1.06	0.00	0.00	0.02	0.00
18.53	2.00	0.00	0.00	0.02	0.00	18.55	2.00	0.00	0.00	0.02	0.00
18.57	2.00	0.00	0.00	0.02	0.00	18.59	2.00	0.00	0.00	0.02	0.00
18.60	2.00	0.00	0.00	0.02	0.00	18.62	2.00	0.00	0.00	0.02	0.00
18.64	2.00	0.00	0.00	0.02	0.00	18.66	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.02	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.72	2.00	0.00	0.00	0.02	0.00	18.74	2.00	0.00	0.00	0.02	0.00
18.76	2.00	0.00	0.00	0.02	0.00	18.78	2.00	0.00	0.00	0.02	0.00
18.80	2.00	0.00	0.00	0.02	0.00	18.82	2.00	0.00	0.00	0.02	0.00
18.84	2.00	0.00	0.00	0.02	0.00	18.86	2.00	0.00	0.00	0.02	0.00
18.88	2.00	0.00	0.00	0.02	0.00	18.90	2.00	0.00	0.00	0.02	0.00
18.92	2.00	0.00	0.00	0.02	0.00	18.94	2.00	0.00	0.00	0.02	0.00
18.96	2.00	0.00	0.00	0.02	0.00	18.98	2.00	0.00	0.00	0.02	0.00
19.00	2.00	0.00	0.00	0.02	0.00	19.02	2.00	0.00	0.00	0.02	0.00
19.04	2.00	0.00	0.00	0.02	0.00	19.06	2.00	0.00	0.00	0.02	0.00
19.08	2.00	0.00	0.00	0.02	0.00	19.10	2.00	0.00	0.00	0.02	0.00
19.12	2.00	0.00	0.00	0.02	0.00	19.14	2.00	0.00	0.00	0.02	0.00
19.16	1.08	0.00	0.00	0.02	0.00	19.18	1.14	0.00	0.00	0.02	0.00
19.20	1.17	0.00	0.00	0.02	0.00	19.22	1.19	0.00	0.00	0.02	0.00
19.24	1.18	0.00	0.00	0.02	0.00	19.26	1.18	0.00	0.00	0.02	0.00
19.28	1.20	0.00	0.00	0.02	0.00	19.30	1.27	0.00	0.00	0.02	0.00
19.32	1.32	0.00	0.00	0.02	0.00	19.34	1.34	0.00	0.00	0.02	0.00
19.36	1.41	0.00	0.00	0.02	0.00	19.38	1.43	0.00	0.00	0.02	0.00

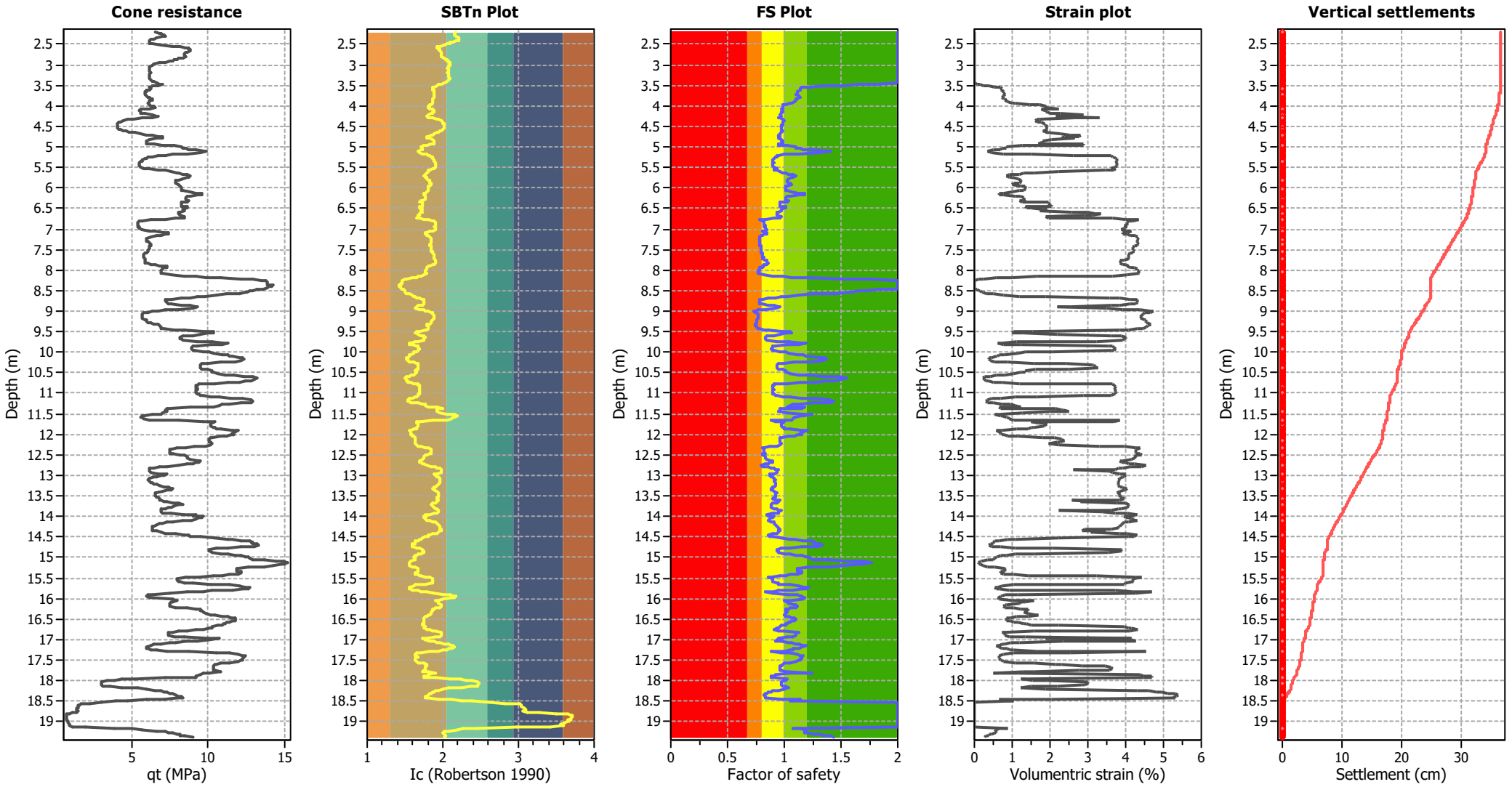
Overall liquefaction potential: 4.53

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.20	154.29	2.00	0.00	1.00	0.00	2.22	156.44	2.00	0.00	1.00	0.00
2.24	157.07	2.00	0.00	1.00	0.00	2.26	158.74	2.00	0.00	1.00	0.00
2.28	160.27	2.00	0.00	1.00	0.00	2.30	161.92	2.00	0.00	1.00	0.00
2.32	160.33	2.00	0.00	1.00	0.00	2.34	156.12	2.00	0.00	1.00	0.00
2.36	153.18	2.00	0.00	1.00	0.00	2.38	150.52	2.00	0.00	1.00	0.00
2.40	148.12	2.00	0.00	1.00	0.00	2.42	145.47	2.00	0.00	1.00	0.00
2.44	142.25	2.00	0.00	1.00	0.00	2.46	139.24	2.00	0.00	1.00	0.00
2.48	138.90	2.00	0.00	1.00	0.00	2.50	139.86	2.00	0.00	1.00	0.00
2.52	141.40	2.00	0.00	1.00	0.00	2.54	142.85	2.00	0.00	1.00	0.00
2.56	142.66	2.00	0.00	1.00	0.00	2.58	146.27	2.00	0.00	1.00	0.00
2.60	151.61	2.00	0.00	1.00	0.00	2.62	154.38	2.00	0.00	1.00	0.00
2.64	156.64	2.00	0.00	1.00	0.00	2.66	157.08	2.00	0.00	1.00	0.00
2.68	158.03	2.00	0.00	1.00	0.00	2.70	156.81	2.00	0.00	1.00	0.00
2.72	156.41	2.00	0.00	1.00	0.00	2.74	156.21	2.00	0.00	1.00	0.00
2.76	156.14	2.00	0.00	1.00	0.00	2.78	156.06	2.00	0.00	1.00	0.00
2.80	156.29	2.00	0.00	1.00	0.00	2.82	157.59	2.00	0.00	1.00	0.00
2.84	156.59	2.00	0.00	1.00	0.00	2.86	155.94	2.00	0.00	1.00	0.00
2.88	155.15	2.00	0.00	1.00	0.00	2.90	154.19	2.00	0.00	1.00	0.00
2.92	152.73	2.00	0.00	1.00	0.00	2.94	148.67	2.00	0.00	1.00	0.00
2.96	144.12	2.00	0.00	1.00	0.00	2.98	140.47	2.00	0.00	1.00	0.00
3.00	138.15	2.00	0.00	1.00	0.00	3.02	136.11	2.00	0.00	1.00	0.00
3.04	134.54	2.00	0.00	1.00	0.00	3.06	133.30	2.00	0.00	1.00	0.00
3.08	132.79	2.00	0.00	1.00	0.00	3.10	132.71	2.00	0.00	1.00	0.00
3.12	132.65	2.00	0.00	1.00	0.00	3.14	132.60	2.00	0.00	1.00	0.00
3.16	132.61	2.00	0.00	1.00	0.00	3.18	132.75	2.00	0.00	1.00	0.00
3.20	132.79	2.00	0.00	1.00	0.00	3.22	132.70	2.00	0.00	1.00	0.00
3.24	132.38	2.00	0.00	1.00	0.00	3.26	132.35	2.00	0.00	1.00	0.00
3.28	132.66	2.00	0.00	1.00	0.00	3.30	132.56	2.00	0.00	1.00	0.00
3.32	132.57	2.00	0.00	1.00	0.00	3.34	132.49	2.00	0.00	1.00	0.00
3.36	132.24	2.00	0.00	1.00	0.00	3.38	132.42	2.00	0.00	1.00	0.00
3.40	132.55	2.00	0.00	1.00	0.00	3.42	132.44	2.00	0.00	1.00	0.00
3.44	131.51	1.98	0.01	1.00	0.00	3.46	127.42	1.82	0.07	1.00	0.00
3.48	121.72	1.64	0.16	1.00	0.00	3.50	117.74	1.53	0.23	1.00	0.00
3.52	109.77	1.35	0.38	1.00	0.01	3.54	102.21	1.22	0.55	1.00	0.01
3.56	98.16	1.15	0.68	1.00	0.01	3.59	97.07	1.14	0.72	1.00	0.02
3.60	97.99	1.15	0.69	1.00	0.01	3.62	97.52	1.14	0.72	1.00	0.01
3.64	96.04	1.12	0.78	1.00	0.02	3.66	96.44	1.12	0.77	1.00	0.02
3.68	96.40	1.12	0.78	1.00	0.02	3.70	96.41	1.12	0.78	1.00	0.02
3.72	96.25	1.11	0.80	1.00	0.02	3.74	96.06	1.11	0.81	1.00	0.02
3.76	97.61	1.13	0.75	1.00	0.02	3.78	98.47	1.14	0.72	1.00	0.01
3.80	98.23	1.13	0.74	1.00	0.01	3.82	97.18	1.12	0.79	1.00	0.02
3.84	96.62	1.11	0.82	1.00	0.02	3.86	95.99	1.10	0.85	1.00	0.02
3.88	96.74	1.11	0.82	1.00	0.02	3.90	95.35	1.09	0.90	1.00	0.02
3.92	93.54	1.06	1.02	1.00	0.02	3.94	92.81	1.05	1.08	1.00	0.02
3.96	89.22	1.01	1.47	1.00	0.03	3.98	87.85	0.99	1.72	1.00	0.03
4.00	87.25	0.98	1.88	1.00	0.04	4.02	87.38	0.98	1.87	1.00	0.04
4.04	87.39	0.98	1.90	1.00	0.04	4.06	86.40	0.97	2.22	1.00	0.04
4.08	88.15	0.99	1.77	1.00	0.04	4.10	87.95	0.99	1.84	1.00	0.04
4.12	87.94	0.98	1.87	1.00	0.04	4.14	87.92	0.98	1.90	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.16	87.85	0.98	1.94	1.00	0.04	4.18	87.69	0.98	2.01	1.00	0.04
4.20	86.94	0.97	2.28	1.00	0.05	4.22	85.72	0.96	2.90	1.00	0.06
4.24	87.13	0.97	2.28	1.00	0.05	4.26	87.64	0.97	2.14	1.00	0.04
4.28	85.39	0.95	3.31	1.00	0.07	4.30	86.50	0.96	2.66	1.00	0.05
4.32	89.63	0.99	1.71	1.00	0.03	4.34	90.05	0.99	1.65	1.00	0.03
4.36	90.29	0.99	1.63	1.00	0.03	4.38	90.15	0.99	1.67	1.00	0.03
4.40	89.64	0.99	1.79	1.00	0.04	4.42	89.54	0.98	1.83	1.00	0.04
4.44	89.55	0.98	1.85	1.00	0.04	4.46	89.55	0.98	1.87	1.00	0.04
4.48	89.55	0.98	1.89	1.00	0.04	4.50	89.55	0.98	1.91	1.00	0.04
4.52	89.60	0.98	1.91	1.00	0.04	4.54	89.88	0.98	1.87	1.00	0.04
4.56	89.74	0.98	1.92	1.00	0.04	4.58	89.88	0.98	1.91	1.00	0.04
4.60	90.17	0.98	1.86	1.00	0.04	4.62	90.44	0.98	1.82	1.00	0.04
4.64	90.03	0.98	1.93	1.00	0.04	4.66	90.23	0.98	1.90	1.00	0.04
4.68	89.03	0.96	2.26	1.00	0.05	4.70	88.34	0.96	2.56	1.00	0.05
4.72	87.89	0.95	2.82	1.00	0.06	4.74	88.06	0.95	2.76	1.00	0.06
4.76	88.95	0.96	2.39	1.00	0.05	4.78	89.22	0.96	2.31	1.00	0.05
4.80	88.43	0.95	2.67	1.00	0.05	4.82	90.27	0.97	2.03	1.00	0.04
4.84	91.33	0.98	1.79	1.00	0.04	4.86	91.27	0.98	1.82	1.00	0.04
4.88	91.49	0.98	1.79	1.00	0.04	4.90	91.70	0.98	1.76	1.00	0.04
4.92	92.06	0.99	1.70	1.00	0.03	4.94	88.48	0.95	2.87	1.00	0.06
4.96	88.49	0.95	2.90	1.00	0.06	4.98	95.51	1.02	1.26	1.00	0.03
5.00	101.28	1.10	0.86	1.00	0.02	5.02	101.97	1.11	0.83	1.00	0.02
5.04	103.90	1.13	0.75	1.00	0.01	5.06	105.80	1.16	0.68	1.00	0.01
5.08	110.99	1.25	0.52	1.00	0.01	5.10	117.37	1.38	0.36	1.00	0.01
5.12	118.47	1.40	0.34	1.00	0.01	5.14	113.32	1.29	0.46	1.00	0.01
5.16	103.84	1.13	0.77	1.00	0.02	5.19	94.05	1.00	1.50	1.00	0.05
5.20	89.66	0.95	2.62	1.00	0.03	5.22	88.14	0.93	3.62	1.00	0.07
5.24	87.73	0.93	3.66	1.00	0.07	5.26	87.21	0.92	3.69	1.00	0.07
5.28	85.96	0.91	3.74	1.00	0.07	5.30	85.60	0.91	3.75	1.00	0.07
5.32	84.92	0.90	3.78	1.00	0.08	5.34	84.81	0.90	3.79	1.00	0.08
5.36	85.41	0.90	3.76	1.00	0.08	5.38	85.79	0.91	3.75	1.00	0.07
5.40	85.57	0.90	3.76	1.00	0.08	5.42	85.60	0.90	3.75	1.00	0.08
5.44	85.62	0.90	3.75	1.00	0.07	5.46	85.60	0.90	3.75	1.00	0.07
5.48	86.07	0.91	3.73	1.00	0.07	5.50	86.98	0.91	3.70	1.00	0.07
5.52	88.66	0.93	3.63	1.00	0.07	5.54	86.53	0.91	3.71	1.00	0.07
5.56	86.94	0.91	3.70	1.00	0.07	5.58	89.12	0.93	3.47	1.00	0.07
5.60	91.61	0.96	2.23	1.00	0.04	5.62	94.66	0.99	1.57	1.00	0.03
5.64	96.83	1.02	1.30	1.00	0.03	5.66	98.05	1.03	1.19	1.00	0.02
5.68	101.58	1.08	0.94	1.00	0.02	5.70	103.51	1.11	0.84	1.00	0.02
5.72	103.40	1.10	0.85	1.00	0.02	5.74	101.75	1.08	0.94	1.00	0.02
5.76	100.70	1.06	1.00	1.00	0.02	5.78	98.86	1.04	1.14	1.00	0.02
5.80	97.78	1.03	1.23	1.00	0.02	5.82	97.88	1.03	1.23	1.00	0.02
5.84	97.89	1.03	1.23	1.00	0.02	5.86	97.95	1.03	1.23	1.00	0.02
5.88	98.59	1.03	1.17	1.00	0.02	5.90	100.18	1.05	1.05	1.00	0.02
5.92	100.92	1.06	1.01	1.00	0.02	5.94	98.07	1.03	1.23	1.00	0.02
5.96	97.08	1.01	1.33	1.00	0.03	5.98	97.05	1.01	1.34	1.00	0.03
6.00	96.99	1.01	1.35	1.00	0.03	6.02	97.06	1.01	1.34	1.00	0.03
6.04	96.98	1.01	1.36	1.00	0.03	6.06	97.34	1.01	1.32	1.00	0.03
6.08	98.64	1.03	1.20	1.00	0.02	6.10	101.32	1.07	1.00	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.12	105.63	1.13	0.77	1.00	0.02	6.14	108.64	1.17	0.66	1.00	0.01
6.16	109.11	1.18	0.64	1.00	0.01	6.18	105.52	1.12	0.78	1.00	0.02
6.20	100.50	1.05	1.06	1.00	0.02	6.22	98.61	1.03	1.21	1.00	0.02
6.24	97.61	1.01	1.31	1.00	0.03	6.26	97.55	1.01	1.32	1.00	0.03
6.28	97.44	1.01	1.34	1.00	0.03	6.30	97.89	1.02	1.29	1.00	0.03
6.32	99.10	1.03	1.18	1.00	0.02	6.34	98.23	1.02	1.26	1.00	0.03
6.36	93.74	0.97	1.94	1.00	0.04	6.38	93.62	0.97	1.98	1.00	0.04
6.40	93.54	0.96	2.00	1.00	0.04	6.42	93.45	0.96	2.03	1.00	0.04
6.44	93.44	0.96	2.04	1.00	0.04	6.46	97.74	1.01	1.33	1.00	0.03
6.48	97.43	1.01	1.37	1.00	0.03	6.50	96.26	0.99	1.52	1.00	0.03
6.52	94.53	0.97	1.81	1.00	0.04	6.54	94.05	0.97	1.92	1.00	0.04
6.56	94.99	0.98	1.73	1.00	0.03	6.58	91.98	0.95	2.56	1.00	0.05
6.60	91.08	0.94	3.02	1.00	0.06	6.62	90.81	0.93	3.20	1.00	0.06
6.64	90.63	0.93	3.33	1.00	0.07	6.66	90.97	0.93	3.12	1.00	0.06
6.68	91.30	0.94	2.93	1.00	0.06	6.70	94.29	0.97	1.90	1.00	0.04
6.72	94.10	0.97	1.95	1.00	0.04	6.74	88.38	0.91	3.64	1.00	0.07
6.76	80.41	0.83	3.99	1.00	0.08	6.78	73.80	0.78	4.33	1.00	0.09
6.80	76.70	0.80	4.17	1.00	0.08	6.82	78.23	0.82	4.10	1.00	0.08
6.84	79.00	0.82	4.06	1.00	0.08	6.86	79.03	0.82	4.06	1.00	0.08
6.88	79.05	0.82	4.06	1.00	0.08	6.90	79.34	0.82	4.04	1.00	0.08
6.92	80.79	0.84	3.97	1.00	0.08	6.94	79.31	0.82	4.04	1.00	0.08
6.96	80.10	0.83	4.00	1.00	0.08	6.98	80.33	0.83	3.99	1.00	0.08
7.00	80.72	0.83	3.97	1.00	0.08	7.02	82.68	0.85	3.88	1.00	0.08
7.04	79.70	0.83	4.02	1.00	0.08	7.06	77.21	0.81	4.15	1.00	0.08
7.08	79.21	0.82	4.05	1.00	0.08	7.10	82.07	0.85	3.91	1.00	0.08
7.12	81.99	0.84	3.91	1.00	0.08	7.14	79.49	0.82	4.03	1.00	0.08
7.16	77.59	0.81	4.13	1.00	0.08	7.18	75.24	0.79	4.25	1.00	0.08
7.20	73.94	0.78	4.32	1.00	0.09	7.22	74.46	0.78	4.29	1.00	0.09
7.24	73.91	0.78	4.32	1.00	0.09	7.26	73.79	0.78	4.33	1.00	0.09
7.28	74.06	0.78	4.32	1.00	0.09	7.30	74.33	0.78	4.30	1.00	0.09
7.32	74.53	0.78	4.29	1.00	0.09	7.34	74.14	0.78	4.31	1.00	0.09
7.35	73.76	0.78	4.33	1.00	0.09	7.37	74.24	0.78	4.31	1.00	0.09
7.39	74.15	0.78	4.31	1.00	0.09	7.41	75.78	0.79	4.22	1.00	0.08
7.43	76.09	0.79	4.21	1.00	0.08	7.45	76.00	0.79	4.21	1.00	0.08
7.47	76.15	0.79	4.20	1.00	0.08	7.49	76.30	0.80	4.19	1.00	0.08
7.51	76.35	0.80	4.19	1.00	0.08	7.53	75.88	0.79	4.22	1.00	0.08
7.55	76.33	0.80	4.19	1.00	0.08	7.57	76.59	0.80	4.18	1.00	0.08
7.59	77.56	0.81	4.13	1.00	0.08	7.61	78.31	0.81	4.09	1.00	0.08
7.63	78.69	0.81	4.07	1.00	0.08	7.65	78.72	0.81	4.07	1.00	0.08
7.67	78.73	0.81	4.07	1.00	0.08	7.69	78.76	0.81	4.07	1.00	0.08
7.71	78.24	0.81	4.10	1.00	0.08	7.73	78.75	0.81	4.07	1.00	0.08
7.75	81.24	0.83	3.95	1.00	0.08	7.77	83.14	0.85	3.86	1.00	0.08
7.79	82.73	0.85	3.88	1.00	0.08	7.81	83.51	0.85	3.85	1.00	0.08
7.83	83.70	0.85	3.84	1.00	0.08	7.85	81.94	0.84	3.92	1.00	0.08
7.87	79.79	0.82	4.02	1.00	0.08	7.89	78.80	0.81	4.07	1.00	0.08
7.91	79.35	0.82	4.04	1.00	0.08	7.93	77.74	0.81	4.12	1.00	0.08
7.95	75.28	0.79	4.25	1.00	0.08	7.97	74.51	0.78	4.29	1.00	0.09
7.99	73.88	0.78	4.32	1.00	0.09	8.01	73.34	0.77	4.36	1.00	0.09
8.03	73.28	0.77	4.36	1.00	0.09	8.05	73.27	0.77	4.36	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.07	73.30	0.77	4.36	1.00	0.09	8.09	73.78	0.78	4.33	1.00	0.09
8.11	79.48	0.82	4.03	1.00	0.08	8.13	88.10	0.89	3.65	1.00	0.07
8.15	96.25	0.98	1.66	1.00	0.03	8.17	102.82	1.06	1.00	1.00	0.02
8.19	112.20	1.21	0.58	1.00	0.01	8.21	126.08	1.53	0.24	1.00	0.00
8.23	133.10	1.77	0.10	1.00	0.00	8.25	138.66	2.00	0.00	1.00	0.00
8.27	141.76	2.00	0.00	1.00	0.00	8.29	142.44	2.00	0.00	1.00	0.00
8.31	142.02	2.00	0.00	1.00	0.00	8.33	142.19	2.00	0.00	1.00	0.00
8.35	142.36	2.00	0.00	1.00	0.00	8.37	146.13	2.00	0.00	1.00	0.00
8.39	145.14	2.00	0.00	1.00	0.00	8.41	142.84	2.00	0.00	1.00	0.00
8.43	141.32	2.00	0.00	1.00	0.00	8.45	138.35	1.99	0.00	1.00	0.00
8.47	134.66	1.83	0.07	1.00	0.00	8.49	131.76	1.72	0.12	1.00	0.00
8.51	129.96	1.66	0.16	1.00	0.00	8.53	128.06	1.60	0.20	1.00	0.00
8.55	126.92	1.56	0.22	1.00	0.00	8.57	123.02	1.45	0.30	1.00	0.01
8.59	114.34	1.26	0.52	1.00	0.01	8.61	107.09	1.13	0.77	1.00	0.02
8.63	100.08	1.03	1.19	1.00	0.02	8.65	95.01	0.97	1.88	1.00	0.04
8.67	90.17	0.92	3.57	1.00	0.07	8.69	83.88	0.86	3.83	1.00	0.08
8.71	77.87	0.81	4.11	1.00	0.08	8.73	73.96	0.78	4.32	1.00	0.09
8.75	73.99	0.78	4.32	1.00	0.09	8.77	74.02	0.78	4.32	1.00	0.09
8.79	74.17	0.78	4.31	1.00	0.09	8.81	75.25	0.79	4.25	1.00	0.08
8.83	77.55	0.81	4.13	1.00	0.08	8.85	83.27	0.85	3.86	1.00	0.08
8.87	89.30	0.91	3.60	1.00	0.07	8.89	92.72	0.94	2.53	1.00	0.05
8.91	93.73	0.96	2.18	1.00	0.04	8.93	90.96	0.93	3.50	1.00	0.07
8.95	81.48	0.84	3.94	1.00	0.08	8.97	73.12	0.77	4.37	1.00	0.09
8.99	68.58	0.74	4.64	1.00	0.09	9.01	66.91	0.73	4.74	1.00	0.09
9.03	68.30	0.74	4.65	1.00	0.09	9.05	70.89	0.76	4.50	1.00	0.09
9.07	71.66	0.76	4.45	1.00	0.09	9.09	72.29	0.77	4.41	1.00	0.09
9.11	72.34	0.77	4.41	1.00	0.09	9.13	72.51	0.77	4.40	1.00	0.09
9.15	72.46	0.77	4.40	1.00	0.09	9.17	72.50	0.77	4.40	1.00	0.09
9.19	72.00	0.77	4.43	1.00	0.09	9.21	70.50	0.76	4.52	1.00	0.09
9.23	69.89	0.75	4.56	1.00	0.09	9.25	69.96	0.75	4.55	1.00	0.09
9.27	70.07	0.75	4.54	1.00	0.09	9.29	69.80	0.75	4.56	1.00	0.09
9.31	68.40	0.74	4.65	1.00	0.09	9.33	68.49	0.74	4.64	1.00	0.09
9.35	69.20	0.75	4.60	1.00	0.09	9.37	69.66	0.75	4.57	1.00	0.09
9.39	70.25	0.75	4.53	1.00	0.09	9.41	71.57	0.76	4.46	1.00	0.09
9.43	73.86	0.78	4.33	1.00	0.09	9.45	78.32	0.81	4.09	1.00	0.08
9.47	83.80	0.86	3.83	1.00	0.08	9.49	96.60	0.99	1.54	1.00	0.03
9.51	101.67	1.06	1.04	1.00	0.02	9.53	102.15	1.06	1.01	1.00	0.02
9.55	98.36	1.01	1.32	1.00	0.03	9.57	93.45	0.96	2.18	1.00	0.04
9.59	88.82	0.91	3.62	1.00	0.07	9.61	82.58	0.85	3.89	1.00	0.08
9.63	80.50	0.83	3.99	1.00	0.08	9.65	80.48	0.83	3.99	1.00	0.08
9.67	80.49	0.83	3.99	1.00	0.08	9.69	80.90	0.84	3.97	1.00	0.08
9.71	81.87	0.85	3.92	1.00	0.08	9.73	90.96	0.93	3.24	1.00	0.06
9.75	100.46	1.04	1.12	1.00	0.02	9.77	107.90	1.15	0.71	1.00	0.01
9.79	110.08	1.19	0.63	1.00	0.01	9.81	106.73	1.13	0.76	1.00	0.02
9.83	98.90	1.02	1.25	1.00	0.02	9.85	90.43	0.93	3.56	1.00	0.07
9.87	87.68	0.90	3.67	1.00	0.07	9.89	86.96	0.89	3.70	1.00	0.07
9.91	86.57	0.89	3.71	1.00	0.07	9.93	86.34	0.89	3.72	1.00	0.07
9.95	87.42	0.90	3.68	1.00	0.07	9.97	88.50	0.91	3.63	1.00	0.07
9.99	93.49	0.96	2.08	1.00	0.04	10.01	97.85	1.01	1.34	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.03	99.80	1.04	1.15	1.00	0.02	10.05	105.82	1.12	0.79	1.00	0.02
10.07	109.02	1.17	0.66	1.00	0.01	10.09	110.03	1.19	0.63	1.00	0.01
10.11	111.79	1.22	0.57	1.00	0.01	10.13	116.12	1.31	0.45	1.00	0.01
10.15	118.57	1.36	0.39	1.00	0.01	10.17	118.48	1.36	0.39	1.00	0.01
10.19	118.93	1.37	0.38	1.00	0.01	10.21	117.50	1.34	0.41	1.00	0.01
10.23	113.05	1.25	0.53	1.00	0.01	10.25	103.61	1.09	0.89	1.00	0.02
10.27	95.78	0.99	1.57	1.00	0.03	10.29	92.17	0.95	2.41	1.00	0.05
10.31	90.68	0.93	3.12	1.00	0.06	10.33	90.59	0.93	3.17	1.00	0.06
10.35	90.52	0.93	3.21	1.00	0.06	10.37	90.47	0.93	3.23	1.00	0.06
10.39	90.42	0.93	3.25	1.00	0.06	10.40	91.81	0.95	2.51	1.00	0.05
10.42	95.27	0.99	1.63	1.00	0.03	10.44	97.51	1.01	1.33	1.00	0.03
10.46	97.34	1.01	1.35	1.00	0.03	10.48	97.37	1.01	1.34	1.00	0.03
10.50	98.55	1.03	1.22	1.00	0.02	10.52	100.59	1.05	1.05	1.00	0.02
10.54	105.35	1.12	0.79	1.00	0.02	10.56	110.84	1.21	0.59	1.00	0.01
10.58	117.30	1.34	0.41	1.00	0.01	10.60	123.11	1.48	0.28	1.00	0.01
10.62	125.44	1.55	0.23	1.00	0.00	10.64	125.12	1.54	0.23	1.00	0.00
10.66	123.53	1.49	0.27	1.00	0.01	10.68	121.90	1.45	0.30	1.00	0.01
10.70	118.12	1.36	0.39	1.00	0.01	10.72	113.89	1.27	0.49	1.00	0.01
10.74	106.37	1.14	0.74	1.00	0.01	10.76	98.50	1.03	1.20	1.00	0.02
10.78	88.07	0.91	3.65	1.00	0.07	10.80	86.96	0.90	3.70	1.00	0.07
10.82	86.65	0.90	3.71	1.00	0.07	10.84	86.49	0.90	3.72	1.00	0.07
10.86	86.52	0.90	3.71	1.00	0.07	10.88	86.54	0.90	3.71	1.00	0.07
10.90	87.19	0.91	3.69	1.00	0.07	10.92	86.11	0.90	3.73	1.00	0.07
10.94	86.01	0.90	3.74	1.00	0.07	10.96	85.98	0.90	3.74	1.00	0.07
10.98	85.95	0.90	3.74	1.00	0.07	11.00	86.10	0.90	3.73	1.00	0.07
11.02	87.35	0.91	3.68	1.00	0.07	11.04	88.59	0.92	3.63	1.00	0.07
11.06	90.32	0.94	2.89	1.00	0.06	11.08	94.39	0.99	1.65	1.00	0.03
11.10	99.61	1.05	1.08	1.00	0.02	11.12	106.76	1.15	0.70	1.00	0.01
11.14	113.86	1.28	0.48	1.00	0.01	11.16	119.19	1.40	0.35	1.00	0.01
11.18	120.25	1.42	0.33	1.00	0.01	11.20	120.83	1.44	0.31	1.00	0.01
11.22	119.42	1.40	0.34	1.00	0.01	11.24	112.69	1.26	0.51	1.00	0.01
11.26	105.91	1.14	0.73	1.00	0.01	11.28	101.08	1.07	0.96	1.00	0.02
11.30	99.53	1.05	1.06	1.00	0.02	11.32	97.56	1.03	1.22	1.00	0.02
11.34	107.75	1.17	0.66	1.00	0.01	11.36	106.42	1.15	0.70	1.00	0.01
11.38	91.74	0.96	2.15	1.00	0.04	11.40	91.19	0.96	2.32	1.00	0.05
11.42	91.10	0.96	2.34	1.00	0.05	11.44	90.63	0.95	2.51	1.00	0.05
11.46	92.13	0.97	2.01	1.00	0.04	11.48	96.89	1.02	1.26	1.00	0.03
11.50	108.03	1.18	0.64	1.00	0.01	11.52	111.36	1.24	0.53	1.00	0.01
11.54	106.64	1.16	0.69	1.00	0.01	11.56	105.29	1.14	0.74	1.00	0.01
11.58	102.82	1.10	0.84	1.00	0.02	11.60	101.89	1.09	0.89	1.00	0.02
11.62	101.09	1.08	0.93	1.00	0.02	11.64	99.40	1.06	1.03	1.00	0.02
11.66	83.92	0.89	3.83	1.00	0.08	11.68	87.41	0.92	3.68	1.00	0.07
11.70	94.60	1.00	1.49	1.00	0.03	11.72	93.23	0.98	1.70	1.00	0.03
11.74	92.44	0.98	1.85	1.00	0.04	11.76	92.10	0.97	1.92	1.00	0.04
11.78	92.22	0.97	1.88	1.00	0.04	11.80	92.34	0.98	1.85	1.00	0.04
11.82	93.69	0.99	1.60	1.00	0.03	11.84	94.34	1.00	1.49	1.00	0.03
11.86	94.88	1.01	1.42	1.00	0.03	11.88	98.17	1.05	1.10	1.00	0.02
11.90	105.40	1.15	0.71	1.00	0.01	11.92	108.77	1.21	0.59	1.00	0.01
11.94	106.56	1.17	0.67	1.00	0.01	11.96	105.78	1.16	0.69	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.98	105.00	1.15	0.72	1.00	0.01	12.00	105.18	1.15	0.71	1.00	0.01
12.02	103.33	1.12	0.79	1.00	0.02	12.04	101.34	1.09	0.88	1.00	0.02
12.06	97.06	1.04	1.16	1.00	0.02	12.08	92.14	0.98	1.81	1.00	0.04
12.10	90.91	0.97	2.10	1.00	0.04	12.12	90.27	0.96	2.30	1.00	0.05
12.14	90.08	0.96	2.35	1.00	0.05	12.16	89.97	0.96	2.38	1.00	0.05
12.18	90.25	0.96	2.28	1.00	0.05	12.20	90.53	0.96	2.18	1.00	0.04
12.22	91.19	0.97	1.98	1.00	0.04	12.24	91.32	0.97	1.94	1.00	0.04
12.26	90.30	0.96	2.22	1.00	0.04	12.28	88.08	0.94	3.29	1.00	0.07
12.30	81.11	0.88	3.96	1.00	0.08	12.32	75.11	0.83	4.26	1.00	0.08
12.34	72.51	0.81	4.40	1.00	0.09	12.36	74.29	0.82	4.30	1.00	0.09
12.38	74.73	0.82	4.28	1.00	0.09	12.40	74.71	0.82	4.28	1.00	0.09
12.42	74.69	0.82	4.28	1.00	0.09	12.44	74.67	0.82	4.28	1.00	0.09
12.45	75.21	0.83	4.25	1.00	0.08	12.47	72.49	0.81	4.40	1.00	0.09
12.49	71.96	0.80	4.43	1.00	0.09	12.51	73.99	0.82	4.32	1.00	0.09
12.53	75.90	0.84	4.22	1.00	0.08	12.55	75.17	0.83	4.25	1.00	0.08
12.57	75.47	0.83	4.24	1.00	0.08	12.59	75.77	0.84	4.22	1.00	0.08
12.61	77.06	0.85	4.16	1.00	0.08	12.63	82.19	0.89	3.91	1.00	0.08
12.65	83.09	0.90	3.86	1.00	0.08	12.67	82.36	0.89	3.90	1.00	0.08
12.69	80.55	0.88	3.98	1.00	0.08	12.71	78.42	0.86	4.09	1.00	0.08
12.73	75.40	0.84	4.24	1.00	0.08	12.75	70.42	0.80	4.52	1.00	0.09
12.77	72.34	0.81	4.41	1.00	0.09	12.79	77.76	0.86	4.12	1.00	0.08
12.81	81.54	0.89	3.94	1.00	0.08	12.83	84.23	0.91	3.81	1.00	0.08
12.85	85.79	0.93	3.75	1.00	0.07	12.87	88.41	0.95	2.60	1.00	0.05
12.89	86.95	0.94	3.51	1.00	0.07	12.91	86.85	0.94	3.57	1.00	0.07
12.93	86.73	0.94	3.65	1.00	0.07	12.95	83.82	0.91	3.83	1.00	0.08
12.97	79.85	0.88	4.02	1.00	0.08	12.99	80.61	0.88	3.98	1.00	0.08
13.01	79.94	0.88	4.01	1.00	0.08	13.03	81.09	0.89	3.96	1.00	0.08
13.05	82.02	0.90	3.91	1.00	0.08	13.07	83.91	0.91	3.83	1.00	0.08
13.09	84.09	0.92	3.82	1.00	0.08	13.11	84.13	0.92	3.82	1.00	0.08
13.13	83.92	0.92	3.83	1.00	0.08	13.15	83.98	0.92	3.82	1.00	0.08
13.17	84.09	0.92	3.82	1.00	0.08	13.19	84.55	0.92	3.80	1.00	0.08
13.21	84.59	0.92	3.80	1.00	0.08	13.23	84.48	0.92	3.80	1.00	0.08
13.25	84.39	0.92	3.81	1.00	0.08	13.27	83.64	0.92	3.84	1.00	0.08
13.29	82.03	0.90	3.91	1.00	0.08	13.31	81.06	0.89	3.96	1.00	0.08
13.33	79.53	0.88	4.03	1.00	0.08	13.35	80.12	0.89	4.00	1.00	0.08
13.37	80.85	0.89	3.97	1.00	0.08	13.39	83.15	0.91	3.86	1.00	0.08
13.41	85.44	0.94	3.76	1.00	0.07	13.43	84.30	0.93	3.81	1.00	0.08
13.45	83.75	0.92	3.83	1.00	0.08	13.47	83.48	0.92	3.85	1.00	0.08
13.49	83.41	0.92	3.85	1.00	0.08	13.51	83.38	0.92	3.85	1.00	0.08
13.53	83.30	0.92	3.86	1.00	0.08	13.55	82.09	0.91	3.91	1.00	0.08
13.57	81.09	0.90	3.96	1.00	0.08	13.59	83.47	0.92	3.85	1.00	0.08
13.61	87.26	0.96	2.60	1.00	0.05	13.63	86.34	0.95	3.10	1.00	0.06
13.65	86.76	0.95	2.82	1.00	0.06	13.67	84.98	0.94	3.78	1.00	0.08
13.69	80.02	0.89	4.01	1.00	0.08	13.71	78.62	0.88	4.08	1.00	0.08
13.73	78.47	0.88	4.08	1.00	0.08	13.75	78.84	0.88	4.07	1.00	0.08
13.77	79.46	0.89	4.04	1.00	0.08	13.79	79.70	0.89	4.02	1.00	0.08
13.81	82.23	0.91	3.90	1.00	0.08	13.83	84.68	0.94	3.79	1.00	0.08
13.85	85.34	0.94	3.61	1.00	0.07	13.87	87.76	0.97	2.22	1.00	0.04
13.89	85.53	0.95	3.38	1.00	0.07	13.91	85.12	0.94	3.72	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.93	79.77	0.89	4.02	1.00	0.08	13.95	74.14	0.85	4.31	1.00	0.09
13.97	76.77	0.87	4.17	1.00	0.08	13.99	75.73	0.86	4.22	1.00	0.08
14.01	80.78	0.90	3.97	1.00	0.08	14.03	80.14	0.90	4.00	1.00	0.08
14.05	78.57	0.89	4.08	1.00	0.08	14.07	76.86	0.87	4.17	1.00	0.08
14.09	75.09	0.86	4.26	1.00	0.08	14.10	74.49	0.85	4.29	1.00	0.09
14.12	78.65	0.89	4.08	1.00	0.08	14.14	81.03	0.91	3.96	1.00	0.08
14.16	81.53	0.92	3.94	1.00	0.08	14.18	81.64	0.92	3.93	1.00	0.08
14.20	82.46	0.92	3.89	1.00	0.08	14.22	83.47	0.93	3.85	1.00	0.08
14.24	84.14	0.94	3.82	1.00	0.08	14.26	84.31	0.94	3.81	1.00	0.08
14.28	84.38	0.94	3.81	1.00	0.08	14.30	84.54	0.95	3.62	1.00	0.07
14.32	85.37	0.96	2.94	1.00	0.06	14.34	85.50	0.96	2.84	1.00	0.06
14.36	84.62	0.95	3.44	1.00	0.07	14.38	85.07	0.95	3.07	1.00	0.06
14.40	83.67	0.94	3.84	1.00	0.08	14.42	79.24	0.90	4.05	1.00	0.08
14.44	74.41	0.86	4.30	1.00	0.09	14.46	74.56	0.86	4.29	1.00	0.09
14.48	75.32	0.87	4.25	1.00	0.08	14.50	78.39	0.89	4.09	1.00	0.08
14.52	86.56	0.97	2.21	1.00	0.04	14.54	93.81	1.05	1.06	1.00	0.02
14.56	96.95	1.09	0.87	1.00	0.02	14.58	101.75	1.16	0.67	1.00	0.01
14.60	106.78	1.24	0.52	1.00	0.01	14.62	108.05	1.27	0.49	1.00	0.01
14.64	107.39	1.25	0.50	1.00	0.01	14.66	108.12	1.27	0.48	1.00	0.01
14.68	110.99	1.32	0.42	1.00	0.01	14.70	111.80	1.34	0.40	1.00	0.01
14.72	108.55	1.28	0.47	1.00	0.01	14.74	101.05	1.16	0.68	1.00	0.01
14.76	93.14	1.05	1.08	1.00	0.02	14.78	86.42	0.98	2.08	1.00	0.04
14.80	82.68	0.94	3.88	1.00	0.08	14.82	82.66	0.94	3.88	1.00	0.08
14.84	82.63	0.94	3.89	1.00	0.08	14.86	82.88	0.94	3.87	1.00	0.08
14.88	83.53	0.95	3.54	1.00	0.07	14.90	88.50	1.00	1.56	1.00	0.03
14.92	93.02	1.05	1.06	1.00	0.02	14.94	96.75	1.10	0.84	1.00	0.02
14.96	100.50	1.15	0.68	1.00	0.01	14.98	102.77	1.19	0.61	1.00	0.01
15.00	104.49	1.22	0.56	1.00	0.01	15.02	105.37	1.23	0.53	1.00	0.01
15.04	106.76	1.26	0.50	1.00	0.01	15.06	113.39	1.38	0.35	1.00	0.01
15.08	120.84	1.56	0.21	1.00	0.00	15.10	125.18	1.69	0.14	1.00	0.00
15.12	127.48	1.77	0.10	1.00	0.00	15.14	126.73	1.74	0.11	1.00	0.00
15.16	125.21	1.69	0.13	1.00	0.00	15.18	124.04	1.66	0.15	1.00	0.00
15.20	118.71	1.51	0.24	1.00	0.00	15.22	113.08	1.38	0.35	1.00	0.01
15.24	104.01	1.22	0.56	1.00	0.01	15.26	96.99	1.11	0.79	1.00	0.02
15.28	96.74	1.11	0.80	1.00	0.02	15.30	96.68	1.11	0.80	1.00	0.02
15.32	96.62	1.11	0.80	1.00	0.02	15.34	96.58	1.11	0.80	1.00	0.02
15.36	99.36	1.15	0.69	1.00	0.01	15.38	99.35	1.15	0.69	1.00	0.01
15.40	97.07	1.12	0.77	1.00	0.02	15.42	92.07	1.06	1.04	1.00	0.02
15.44	88.21	1.01	1.42	1.00	0.03	15.46	82.73	0.96	3.21	1.00	0.06
15.47	74.63	0.89	4.28	1.00	0.08	15.49	71.98	0.86	4.43	1.00	0.09
15.51	76.11	0.90	4.20	1.00	0.08	15.53	76.10	0.90	4.21	1.00	0.08
15.55	76.08	0.90	4.21	1.00	0.08	15.57	76.01	0.90	4.21	1.00	0.08
15.59	76.10	0.90	4.21	1.00	0.08	15.61	79.86	0.93	4.02	1.00	0.08
15.63	80.81	0.94	3.97	1.00	0.08	15.65	81.16	0.95	3.95	1.00	0.08
15.67	91.41	1.06	1.05	1.00	0.02	15.69	97.40	1.13	0.73	1.00	0.01
15.71	100.76	1.18	0.62	1.00	0.01	15.73	102.99	1.22	0.55	1.00	0.01
15.75	101.79	1.20	0.58	1.00	0.01	15.77	99.05	1.16	0.67	1.00	0.01
15.79	92.76	1.08	0.94	1.00	0.02	15.81	81.45	0.95	3.74	1.00	0.07
15.83	76.21	0.91	4.20	1.00	0.08	15.85	67.75	0.84	4.69	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.87	74.63	0.89	4.28	1.00	0.08	15.89	89.43	1.04	1.17	1.00	0.02
15.91	95.19	1.11	0.80	1.00	0.02	15.93	97.04	1.13	0.72	1.00	0.01
15.95	98.40	1.15	0.67	1.00	0.01	15.97	99.14	1.17	0.65	1.00	0.01
15.99	99.85	1.18	0.62	1.00	0.01	16.01	98.82	1.16	0.65	1.00	0.01
16.03	91.23	1.06	1.00	1.00	0.02	16.05	85.92	1.00	1.56	1.00	0.03
16.07	87.41	1.02	1.33	1.00	0.03	16.09	88.22	1.03	1.24	1.00	0.02
16.11	88.62	1.04	1.19	1.00	0.02	16.13	88.72	1.04	1.18	1.00	0.02
16.15	93.26	1.09	0.86	1.00	0.02	16.17	94.38	1.11	0.81	1.00	0.02
16.19	95.18	1.12	0.77	1.00	0.02	16.21	94.23	1.11	0.81	1.00	0.02
16.23	90.21	1.06	1.03	1.00	0.02	16.25	87.93	1.03	1.23	1.00	0.02
16.27	86.27	1.01	1.42	1.00	0.03	16.29	86.32	1.02	1.41	1.00	0.03
16.31	86.63	1.02	1.36	1.00	0.03	16.33	86.38	1.02	1.39	1.00	0.03
16.35	86.87	1.02	1.32	1.00	0.03	16.37	86.04	1.01	1.42	1.00	0.03
16.39	84.71	1.00	1.63	1.00	0.03	16.41	84.34	1.00	1.70	1.00	0.03
16.43	85.90	1.02	1.42	1.00	0.03	16.45	88.38	1.04	1.13	1.00	0.02
16.47	90.49	1.07	0.97	1.00	0.02	16.49	92.59	1.09	0.85	1.00	0.02
16.51	92.90	1.10	0.83	1.00	0.02	16.53	92.47	1.09	0.85	1.00	0.02
16.55	90.51	1.07	0.96	1.00	0.02	16.57	89.04	1.05	1.05	1.00	0.02
16.59	87.58	1.04	1.17	1.00	0.02	16.61	86.27	1.02	1.31	1.00	0.03
16.63	85.61	1.02	1.39	1.00	0.03	16.64	84.86	1.01	1.49	1.00	0.03
16.66	81.88	0.98	2.22	1.00	0.04	16.68	79.37	0.96	3.96	1.00	0.08
16.70	78.64	0.95	4.08	1.00	0.08	16.72	77.08	0.94	4.15	1.00	0.08
16.74	74.47	0.91	4.29	1.00	0.09	16.76	74.03	0.91	4.32	1.00	0.09
16.78	77.66	0.94	4.12	1.00	0.08	16.80	83.95	1.01	1.58	1.00	0.03
16.82	94.47	1.13	0.73	1.00	0.01	16.84	92.45	1.10	0.81	1.00	0.02
16.86	92.29	1.10	0.82	1.00	0.02	16.88	92.20	1.10	0.82	1.00	0.02
16.90	92.22	1.10	0.81	1.00	0.02	16.92	90.36	1.08	0.91	1.00	0.02
16.94	85.00	1.02	1.36	1.00	0.03	16.96	77.01	0.94	4.16	1.00	0.08
16.98	82.11	0.99	1.90	1.00	0.04	17.00	76.86	0.94	4.17	1.00	0.08
17.02	75.13	0.93	4.26	1.00	0.08	17.04	80.70	0.98	2.35	1.00	0.05
17.06	86.20	1.04	1.19	1.00	0.02	17.08	89.16	1.07	0.95	1.00	0.02
17.10	92.16	1.11	0.79	1.00	0.02	17.12	94.15	1.13	0.71	1.00	0.01
17.14	96.17	1.16	0.64	1.00	0.01	17.16	98.04	1.19	0.59	1.00	0.01
17.18	95.58	1.15	0.66	1.00	0.01	17.20	93.15	1.12	0.74	1.00	0.01
17.22	89.74	1.08	0.90	1.00	0.02	17.24	89.10	1.07	0.93	1.00	0.02
17.26	87.55	1.06	1.03	1.00	0.02	17.28	82.46	1.00	1.65	1.00	0.03
17.30	69.90	0.89	4.55	1.00	0.09	17.32	79.68	0.98	2.53	1.00	0.05
17.34	87.39	1.06	1.02	1.00	0.02	17.36	92.08	1.11	0.77	1.00	0.02
17.38	94.63	1.15	0.67	1.00	0.01	17.40	95.59	1.16	0.64	1.00	0.01
17.42	95.19	1.16	0.65	1.00	0.01	17.44	94.79	1.15	0.66	1.00	0.01
17.46	94.39	1.15	0.67	1.00	0.01	17.48	94.48	1.15	0.67	1.00	0.01
17.50	93.85	1.14	0.69	1.00	0.01	17.52	92.85	1.13	0.72	1.00	0.01
17.54	91.23	1.11	0.78	1.00	0.02	17.56	86.31	1.05	1.06	1.00	0.02
17.58	81.99	1.01	1.59	1.00	0.03	17.60	79.88	0.99	2.15	1.00	0.04
17.62	79.47	0.98	2.30	1.00	0.05	17.64	78.41	0.97	2.84	1.00	0.06
17.66	77.60	0.97	3.48	1.00	0.07	17.67	77.41	0.96	3.63	1.00	0.07
17.69	77.35	0.96	3.64	1.00	0.07	17.71	77.34	0.96	3.61	1.00	0.07
17.73	77.33	0.97	3.57	1.00	0.07	17.75	78.22	0.97	2.78	1.00	0.06
17.77	81.54	1.01	1.58	1.00	0.03	17.79	83.30	1.03	1.30	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.81	100.51	1.25	0.49	1.00	0.01	17.83	84.32	1.04	1.17	1.00	0.02
17.85	72.58	0.93	4.40	1.00	0.09	17.87	71.30	0.92	4.47	1.00	0.09
17.89	67.95	0.89	4.68	1.00	0.09	17.91	67.59	0.89	4.70	1.00	0.09
17.93	71.42	0.92	4.46	1.00	0.09	17.95	83.45	1.03	1.23	1.00	0.02
17.97	82.71	1.02	1.32	1.00	0.03	17.99	81.25	1.01	1.54	1.00	0.03
18.01	79.57	0.99	1.92	1.00	0.04	18.03	77.30	0.97	2.98	1.00	0.06
18.05	77.22	0.97	3.01	1.00	0.06	18.07	77.21	0.97	2.99	1.00	0.06
18.09	77.26	0.97	2.92	1.00	0.06	18.11	77.32	0.97	2.85	1.00	0.06
18.13	78.50	0.99	2.20	1.00	0.04	18.15	81.01	1.01	1.51	1.00	0.03
18.17	83.04	1.03	1.22	1.00	0.02	18.19	82.76	1.03	1.25	1.00	0.02
18.21	79.22	1.00	1.89	1.00	0.04	18.23	74.08	0.95	4.31	1.00	0.09
18.25	68.64	0.90	4.63	1.00	0.09	18.27	65.65	0.88	4.83	1.00	0.10
18.29	63.59	0.86	4.97	1.00	0.10	18.31	61.35	0.85	5.13	1.00	0.10
18.33	59.11	0.83	5.30	1.00	0.10	18.35	58.15	0.82	5.38	1.00	0.11
18.37	58.55	0.83	5.35	1.00	0.11	18.39	59.42	0.83	5.28	1.00	0.10
18.41	59.64	0.84	5.26	1.00	0.10	18.43	58.93	0.83	5.32	1.00	0.11
18.45	78.26	0.99	2.03	1.00	0.04	18.47	91.63	1.14	0.67	1.00	0.01
18.49	87.49	1.09	0.83	1.00	0.02	18.51	84.31	1.06	1.02	1.00	0.02
18.53	21.92	2.00	0.00	1.00	0.00	18.55	16.30	2.00	0.00	1.00	0.00
18.57	12.24	2.00	0.00	1.00	0.00	18.59	11.24	2.00	0.00	1.00	0.00
18.60	11.08	2.00	0.00	1.00	0.00	18.62	10.92	2.00	0.00	1.00	0.00
18.64	10.87	2.00	0.00	1.00	0.00	18.66	10.45	2.00	0.00	1.00	0.00
18.68	10.25	2.00	0.00	1.00	0.00	18.70	10.15	2.00	0.00	1.00	0.00
18.72	10.05	2.00	0.00	1.00	0.00	18.74	10.49	2.00	0.00	1.00	0.00
18.76	9.74	2.00	0.00	1.00	0.00	18.78	8.22	2.00	0.00	1.00	0.00
18.80	6.61	2.00	0.00	1.00	0.00	18.82	5.40	2.00	0.00	1.00	0.00
18.84	5.17	2.00	0.00	1.00	0.00	18.86	5.11	2.00	0.00	1.00	0.00
18.88	5.12	2.00	0.00	1.00	0.00	18.90	5.13	2.00	0.00	1.00	0.00
18.92	5.15	2.00	0.00	1.00	0.00	18.94	5.21	2.00	0.00	1.00	0.00
18.96	5.39	2.00	0.00	1.00	0.00	18.98	5.46	2.00	0.00	1.00	0.00
19.00	5.66	2.00	0.00	1.00	0.00	19.02	5.86	2.00	0.00	1.00	0.00
19.04	6.16	2.00	0.00	1.00	0.00	19.06	6.34	2.00	0.00	1.00	0.00
19.08	6.34	2.00	0.00	1.00	0.00	19.10	6.66	2.00	0.00	1.00	0.00
19.12	7.89	2.00	0.00	1.00	0.00	19.14	13.81	2.00	0.00	1.00	0.00
19.16	84.85	1.08	0.87	1.00	0.02	19.18	90.33	1.14	0.65	1.00	0.01
19.20	92.65	1.17	0.58	1.00	0.01	19.22	93.82	1.19	0.55	1.00	0.01
19.24	93.06	1.18	0.57	1.00	0.01	19.26	93.10	1.18	0.57	1.00	0.01
19.28	94.39	1.20	0.54	1.00	0.01	19.30	98.83	1.27	0.44	1.00	0.01
19.32	102.16	1.32	0.38	1.00	0.01	19.34	103.13	1.34	0.37	1.00	0.01
19.36	106.91	1.41	0.30	1.00	0.01	19.38	107.94	1.43	0.29	1.00	0.01

Total estimated settlement: 36.73

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

Dott. Geol. Stefania Asti
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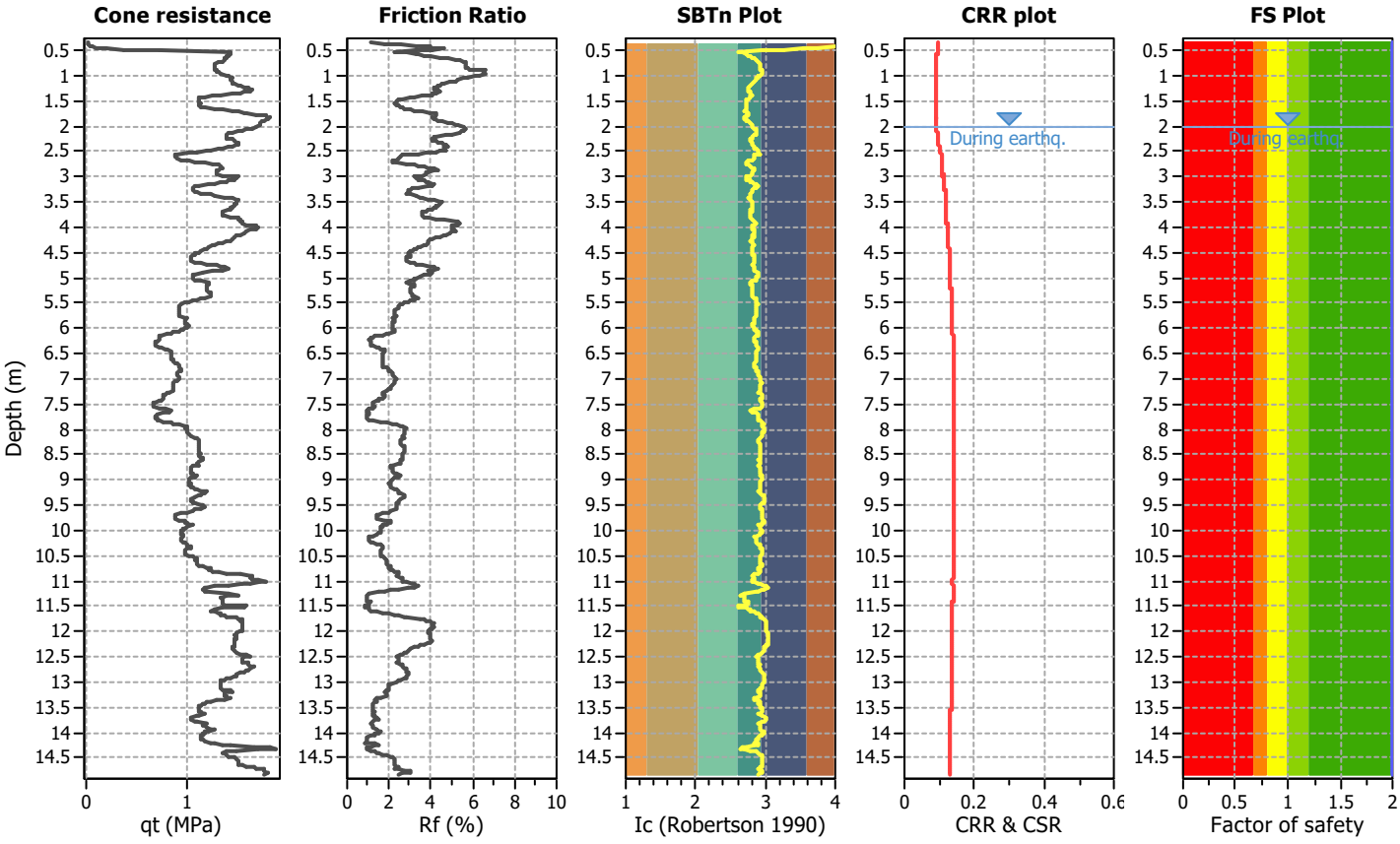
LIQUEFACTION ANALYSIS REPORT

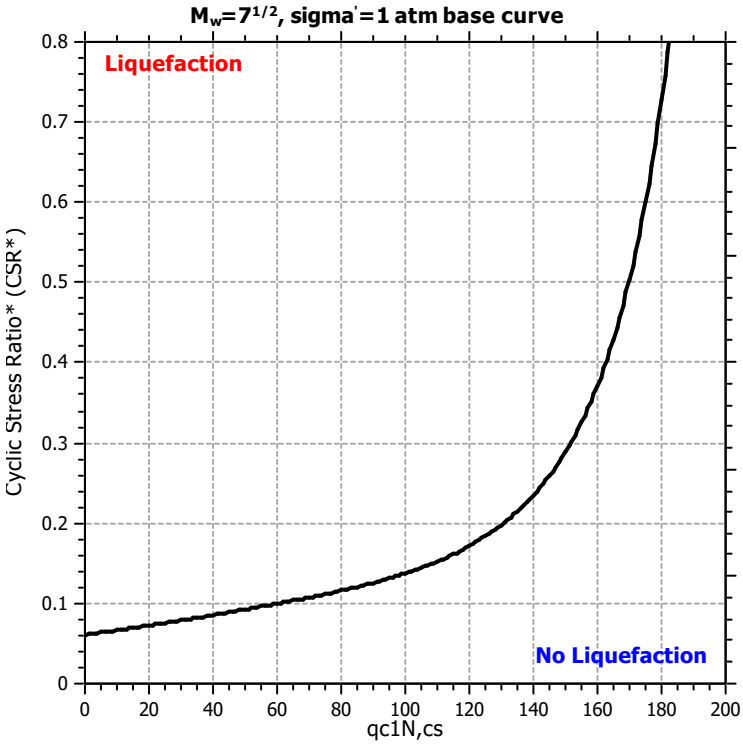
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

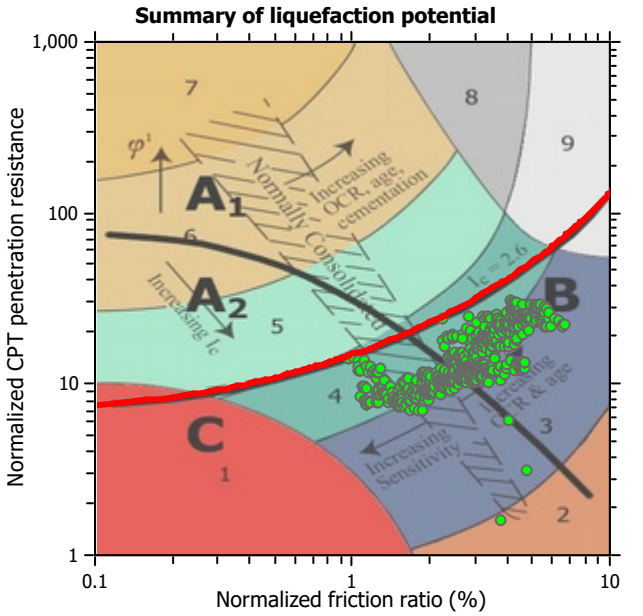
CPT file : P297 - CPTu-3

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

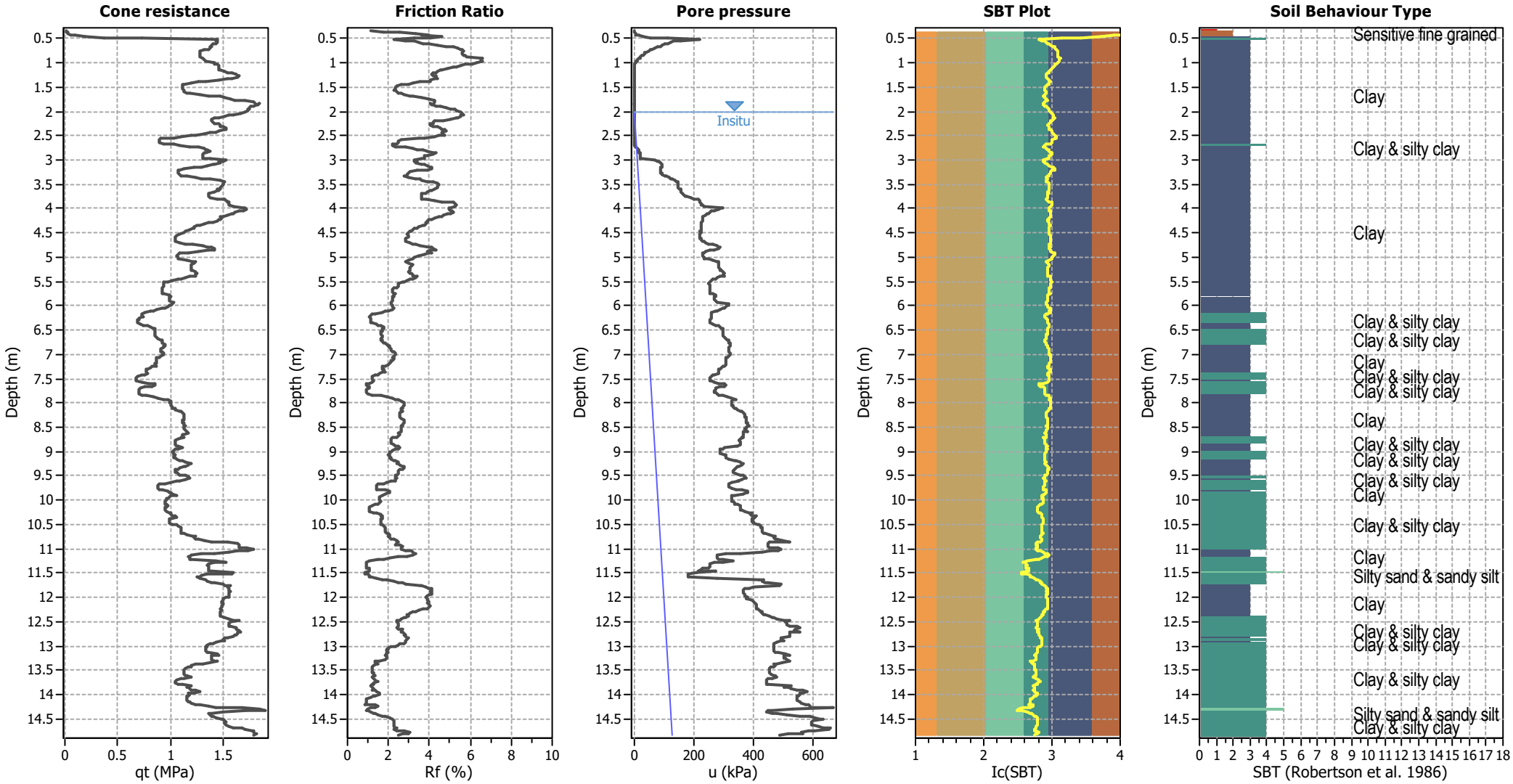






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



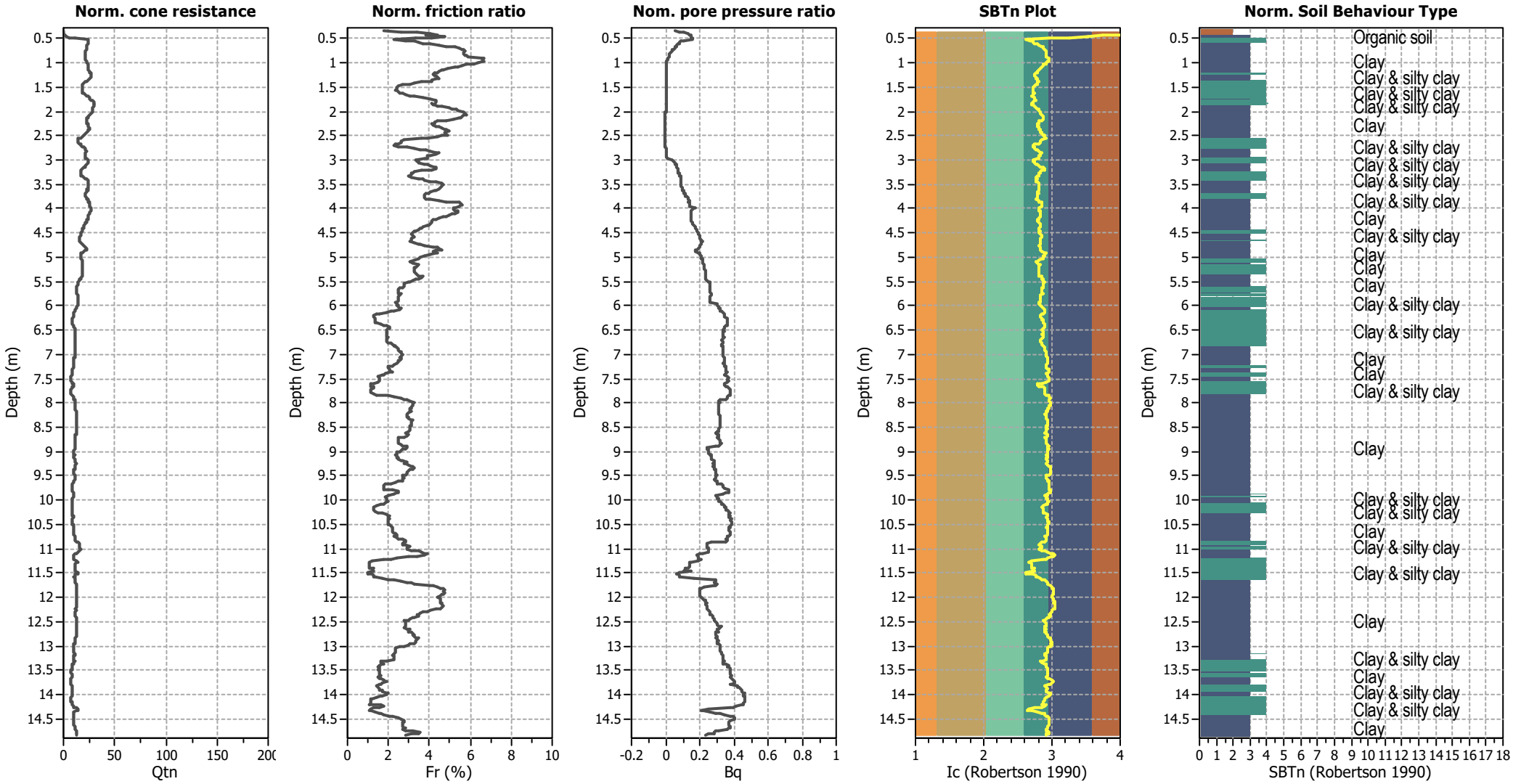
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



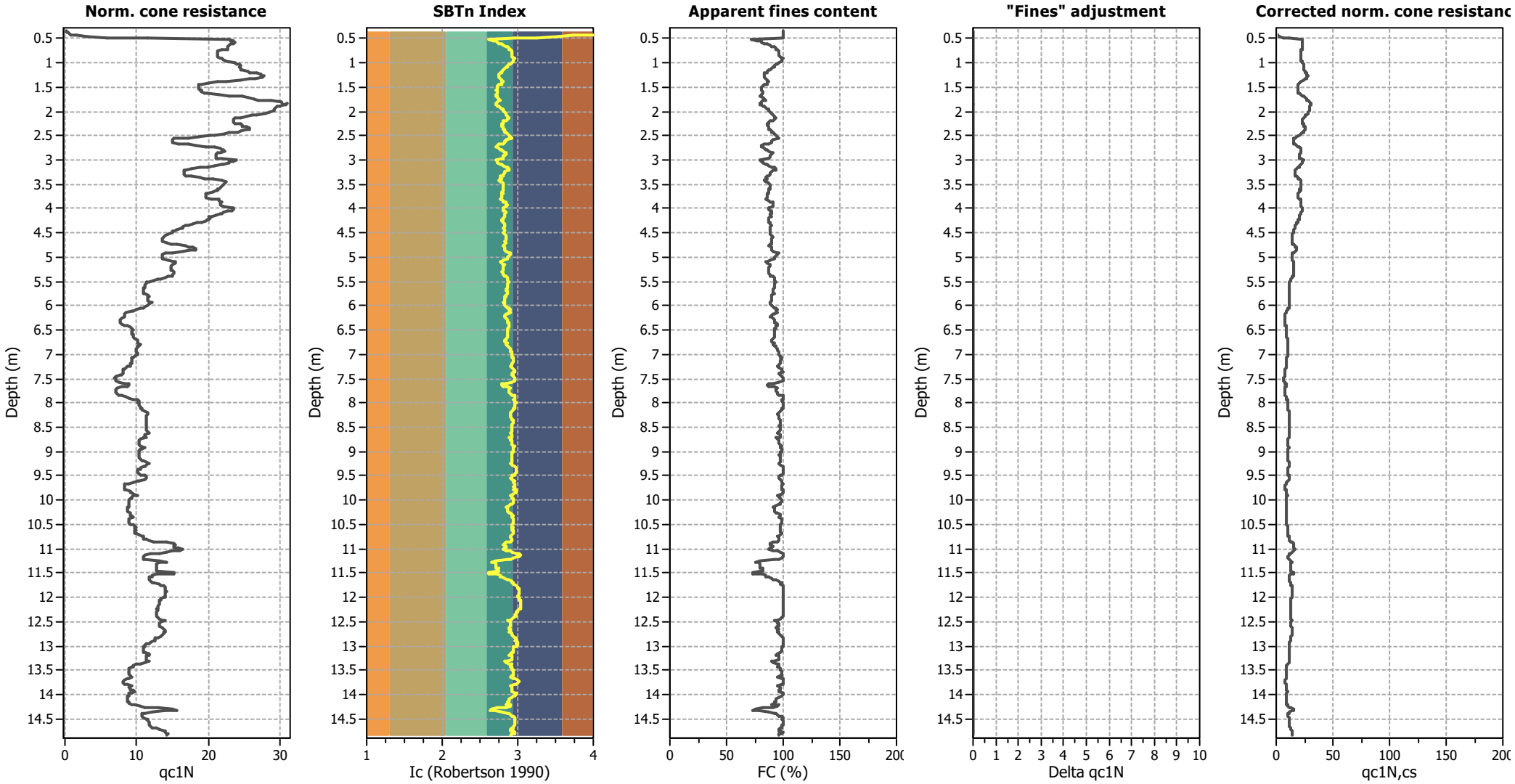
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

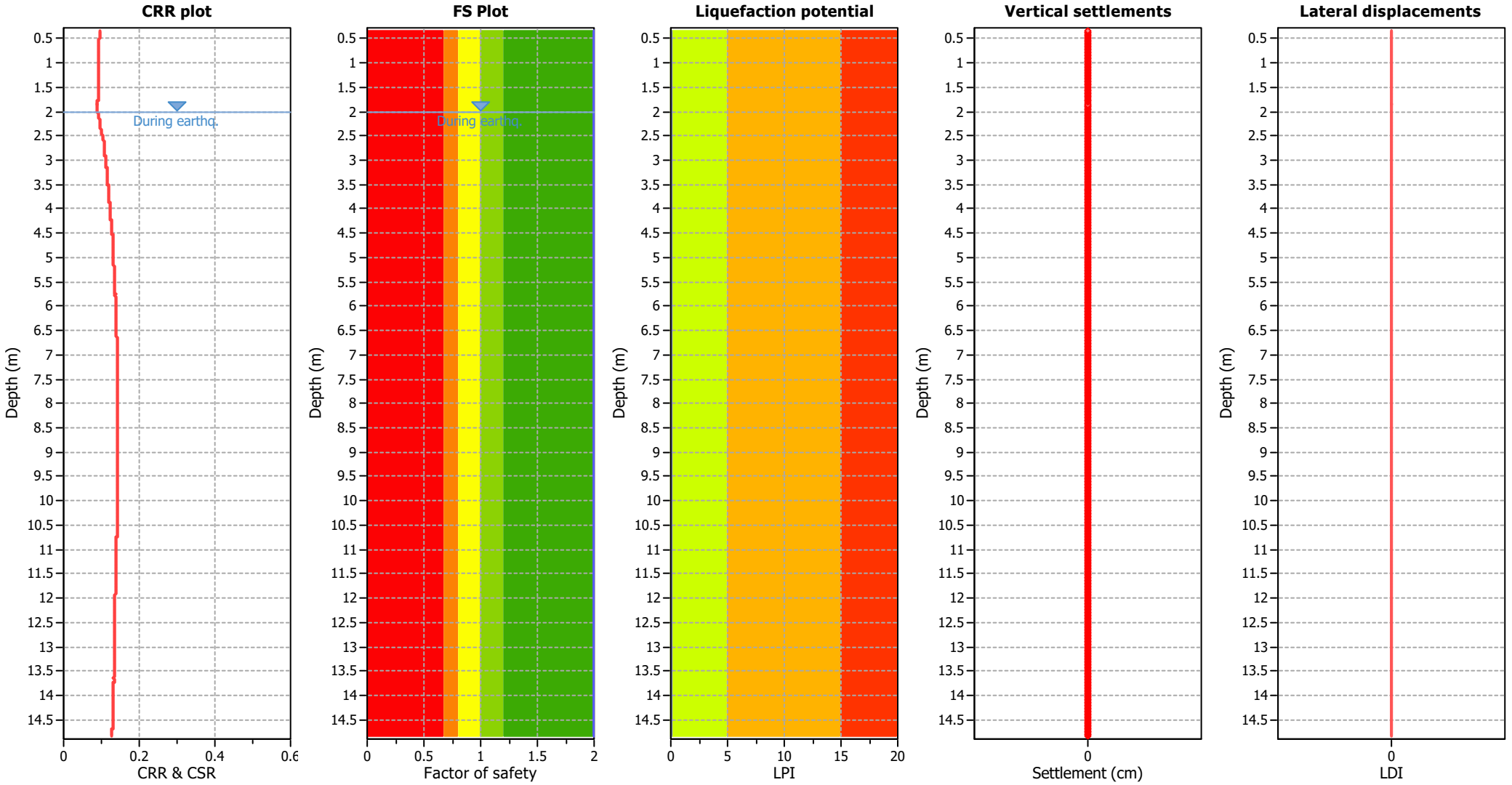
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

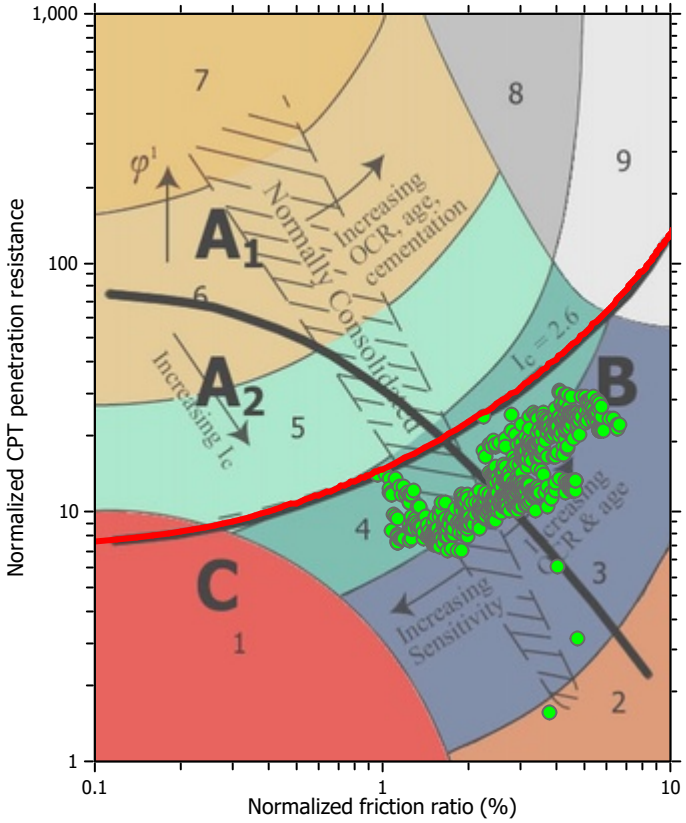
F.S. color scheme

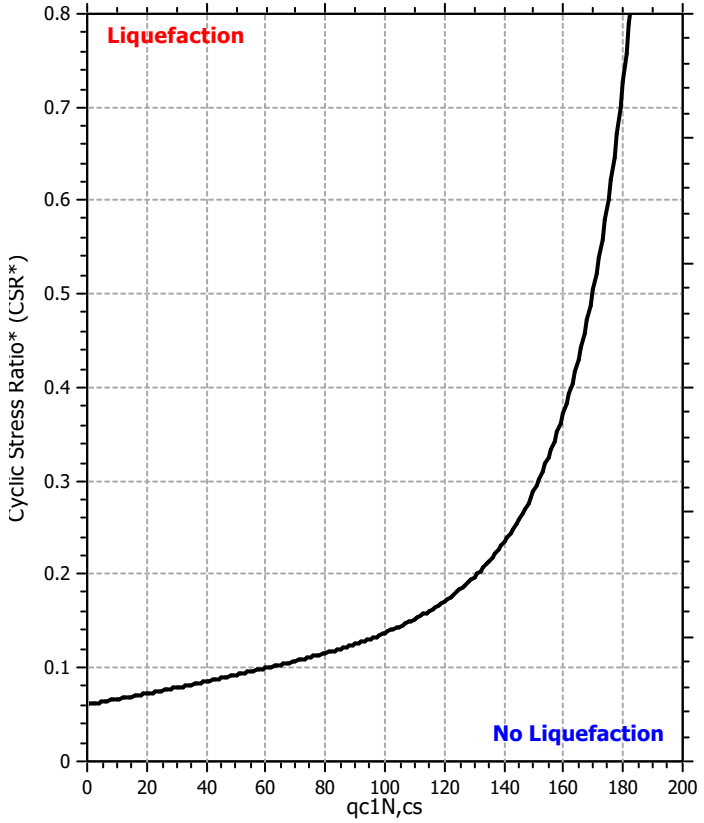
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

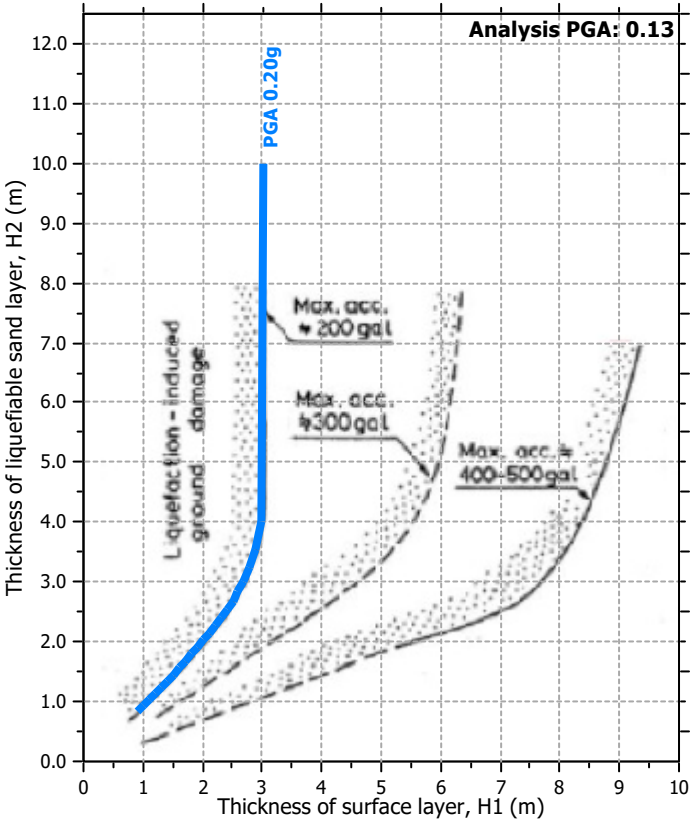
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



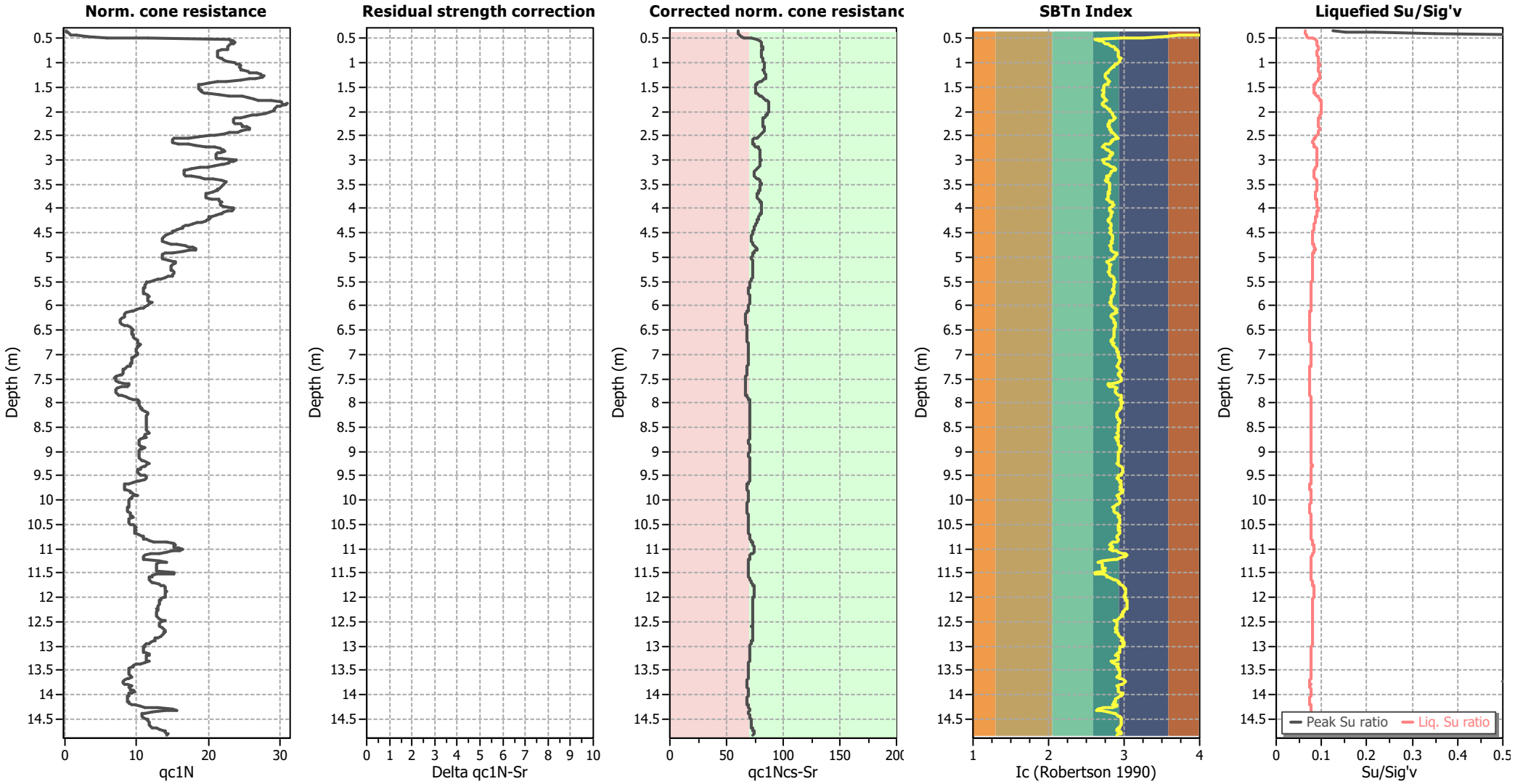




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.59	2.00	0.00	0.00	0.03	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.19	2.00	0.00	0.00	0.03	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.97	2.00	0.00	0.00	0.02	0.00	9.99	2.00	0.00	0.00	0.02	0.00
10.01	2.00	0.00	0.00	0.02	0.00	10.03	2.00	0.00	0.00	0.02	0.00
10.05	2.00	0.00	0.00	0.02	0.00	10.07	2.00	0.00	0.00	0.02	0.00
10.09	2.00	0.00	0.00	0.02	0.00	10.11	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.13	2.00	0.00	0.00	0.02	0.00	10.15	2.00	0.00	0.00	0.02	0.00
10.17	2.00	0.00	0.00	0.02	0.00	10.19	2.00	0.00	0.00	0.02	0.00
10.21	2.00	0.00	0.00	0.02	0.00	10.23	2.00	0.00	0.00	0.02	0.00
10.25	2.00	0.00	0.00	0.02	0.00	10.27	2.00	0.00	0.00	0.02	0.00
10.29	2.00	0.00	0.00	0.02	0.00	10.31	2.00	0.00	0.00	0.02	0.00
10.33	2.00	0.00	0.00	0.02	0.00	10.35	2.00	0.00	0.00	0.02	0.00
10.37	2.00	0.00	0.00	0.02	0.00	10.39	2.00	0.00	0.00	0.02	0.00
10.41	2.00	0.00	0.00	0.02	0.00	10.43	2.00	0.00	0.00	0.02	0.00
10.45	2.00	0.00	0.00	0.02	0.00	10.47	2.00	0.00	0.00	0.02	0.00
10.49	2.00	0.00	0.00	0.02	0.00	10.51	2.00	0.00	0.00	0.02	0.00
10.53	2.00	0.00	0.00	0.02	0.00	10.55	2.00	0.00	0.00	0.02	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.59	2.00	0.00	0.00	0.02	0.00
10.61	2.00	0.00	0.00	0.02	0.00	10.63	2.00	0.00	0.00	0.02	0.00
10.65	2.00	0.00	0.00	0.02	0.00	10.67	2.00	0.00	0.00	0.02	0.00
10.69	2.00	0.00	0.00	0.02	0.00	10.71	2.00	0.00	0.00	0.02	0.00
10.73	2.00	0.00	0.00	0.02	0.00	10.75	2.00	0.00	0.00	0.02	0.00
10.77	2.00	0.00	0.00	0.02	0.00	10.79	2.00	0.00	0.00	0.02	0.00
10.81	2.00	0.00	0.00	0.02	0.00	10.83	2.00	0.00	0.00	0.02	0.00
10.85	2.00	0.00	0.00	0.02	0.00	10.87	2.00	0.00	0.00	0.02	0.00
10.89	2.00	0.00	0.00	0.02	0.00	10.91	2.00	0.00	0.00	0.02	0.00
10.93	2.00	0.00	0.00	0.02	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.02	0.00	10.99	2.00	0.00	0.00	0.02	0.00
11.01	2.00	0.00	0.00	0.02	0.00	11.03	2.00	0.00	0.00	0.02	0.00
11.05	2.00	0.00	0.00	0.02	0.00	11.07	2.00	0.00	0.00	0.02	0.00
11.09	2.00	0.00	0.00	0.02	0.00	11.11	2.00	0.00	0.00	0.02	0.00
11.13	2.00	0.00	0.00	0.02	0.00	11.15	2.00	0.00	0.00	0.02	0.00
11.17	2.00	0.00	0.00	0.02	0.00	11.19	2.00	0.00	0.00	0.02	0.00
11.21	2.00	0.00	0.00	0.02	0.00	11.23	2.00	0.00	0.00	0.02	0.00
11.25	2.00	0.00	0.00	0.02	0.00	11.27	2.00	0.00	0.00	0.02	0.00
11.29	2.00	0.00	0.00	0.02	0.00	11.31	2.00	0.00	0.00	0.02	0.00
11.33	2.00	0.00	0.00	0.02	0.00	11.35	2.00	0.00	0.00	0.02	0.00
11.37	2.00	0.00	0.00	0.02	0.00	11.39	2.00	0.00	0.00	0.02	0.00
11.41	2.00	0.00	0.00	0.02	0.00	11.43	2.00	0.00	0.00	0.02	0.00
11.45	2.00	0.00	0.00	0.02	0.00	11.47	2.00	0.00	0.00	0.02	0.00
11.49	2.00	0.00	0.00	0.02	0.00	11.51	2.00	0.00	0.00	0.02	0.00
11.53	2.00	0.00	0.00	0.02	0.00	11.55	2.00	0.00	0.00	0.02	0.00
11.57	2.00	0.00	0.00	0.02	0.00	11.59	2.00	0.00	0.00	0.02	0.00
11.61	2.00	0.00	0.00	0.02	0.00	11.63	2.00	0.00	0.00	0.02	0.00
11.65	2.00	0.00	0.00	0.02	0.00	11.67	2.00	0.00	0.00	0.02	0.00
11.69	2.00	0.00	0.00	0.02	0.00	11.71	2.00	0.00	0.00	0.02	0.00
11.73	2.00	0.00	0.00	0.02	0.00	11.75	2.00	0.00	0.00	0.02	0.00
11.77	2.00	0.00	0.00	0.02	0.00	11.79	2.00	0.00	0.00	0.02	0.00
11.81	2.00	0.00	0.00	0.02	0.00	11.83	2.00	0.00	0.00	0.02	0.00
11.85	2.00	0.00	0.00	0.02	0.00	11.87	2.00	0.00	0.00	0.02	0.00
11.89	2.00	0.00	0.00	0.02	0.00	11.91	2.00	0.00	0.00	0.02	0.00
11.93	2.00	0.00	0.00	0.02	0.00	11.95	2.00	0.00	0.00	0.02	0.00
11.97	2.00	0.00	0.00	0.02	0.00	11.99	2.00	0.00	0.00	0.02	0.00
12.01	2.00	0.00	0.00	0.02	0.00	12.03	2.00	0.00	0.00	0.02	0.00
12.05	2.00	0.00	0.00	0.02	0.00	12.07	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.09	2.00	0.00	0.00	0.02	0.00	12.11	2.00	0.00	0.00	0.02	0.00
12.13	2.00	0.00	0.00	0.02	0.00	12.15	2.00	0.00	0.00	0.02	0.00
12.17	2.00	0.00	0.00	0.02	0.00	12.19	2.00	0.00	0.00	0.02	0.00
12.21	2.00	0.00	0.00	0.02	0.00	12.23	2.00	0.00	0.00	0.02	0.00
12.25	2.00	0.00	0.00	0.02	0.00	12.27	2.00	0.00	0.00	0.02	0.00
12.29	2.00	0.00	0.00	0.02	0.00	12.31	2.00	0.00	0.00	0.02	0.00
12.33	2.00	0.00	0.00	0.02	0.00	12.35	2.00	0.00	0.00	0.02	0.00
12.37	2.00	0.00	0.00	0.02	0.00	12.39	2.00	0.00	0.00	0.02	0.00
12.41	2.00	0.00	0.00	0.02	0.00	12.43	2.00	0.00	0.00	0.02	0.00
12.45	2.00	0.00	0.00	0.02	0.00	12.47	2.00	0.00	0.00	0.02	0.00
12.49	2.00	0.00	0.00	0.02	0.00	12.51	2.00	0.00	0.00	0.02	0.00
12.53	2.00	0.00	0.00	0.02	0.00	12.55	2.00	0.00	0.00	0.02	0.00
12.57	2.00	0.00	0.00	0.02	0.00	12.59	2.00	0.00	0.00	0.02	0.00
12.61	2.00	0.00	0.00	0.02	0.00	12.63	2.00	0.00	0.00	0.02	0.00
12.65	2.00	0.00	0.00	0.02	0.00	12.67	2.00	0.00	0.00	0.02	0.00
12.69	2.00	0.00	0.00	0.02	0.00	12.71	2.00	0.00	0.00	0.02	0.00
12.73	2.00	0.00	0.00	0.02	0.00	12.75	2.00	0.00	0.00	0.02	0.00
12.77	2.00	0.00	0.00	0.02	0.00	12.79	2.00	0.00	0.00	0.02	0.00
12.81	2.00	0.00	0.00	0.02	0.00	12.83	2.00	0.00	0.00	0.02	0.00
12.85	2.00	0.00	0.00	0.02	0.00	12.87	2.00	0.00	0.00	0.02	0.00
12.89	2.00	0.00	0.00	0.02	0.00	12.91	2.00	0.00	0.00	0.02	0.00
12.93	2.00	0.00	0.00	0.02	0.00	12.95	2.00	0.00	0.00	0.02	0.00
12.97	2.00	0.00	0.00	0.02	0.00	12.99	2.00	0.00	0.00	0.02	0.00
13.01	2.00	0.00	0.00	0.02	0.00	13.03	2.00	0.00	0.00	0.02	0.00
13.05	2.00	0.00	0.00	0.02	0.00	13.07	2.00	0.00	0.00	0.02	0.00
13.09	2.00	0.00	0.00	0.02	0.00	13.11	2.00	0.00	0.00	0.02	0.00
13.13	2.00	0.00	0.00	0.02	0.00	13.15	2.00	0.00	0.00	0.02	0.00
13.17	2.00	0.00	0.00	0.02	0.00	13.19	2.00	0.00	0.00	0.02	0.00
13.21	2.00	0.00	0.00	0.02	0.00	13.23	2.00	0.00	0.00	0.02	0.00
13.25	2.00	0.00	0.00	0.02	0.00	13.27	2.00	0.00	0.00	0.02	0.00
13.28	2.00	0.00	0.00	0.02	0.00	13.30	2.00	0.00	0.00	0.02	0.00
13.32	2.00	0.00	0.00	0.02	0.00	13.34	2.00	0.00	0.00	0.02	0.00
13.36	2.00	0.00	0.00	0.02	0.00	13.38	2.00	0.00	0.00	0.02	0.00
13.40	2.00	0.00	0.00	0.02	0.00	13.42	2.00	0.00	0.00	0.02	0.00
13.44	2.00	0.00	0.00	0.02	0.00	13.46	2.00	0.00	0.00	0.02	0.00
13.48	2.00	0.00	0.00	0.02	0.00	13.50	2.00	0.00	0.00	0.02	0.00
13.52	2.00	0.00	0.00	0.02	0.00	13.54	2.00	0.00	0.00	0.02	0.00
13.56	2.00	0.00	0.00	0.02	0.00	13.58	2.00	0.00	0.00	0.02	0.00
13.60	2.00	0.00	0.00	0.02	0.00	13.62	2.00	0.00	0.00	0.02	0.00
13.64	2.00	0.00	0.00	0.02	0.00	13.66	2.00	0.00	0.00	0.02	0.00
13.68	2.00	0.00	0.00	0.02	0.00	13.70	2.00	0.00	0.00	0.02	0.00
13.72	2.00	0.00	0.00	0.02	0.00	13.74	2.00	0.00	0.00	0.02	0.00
13.76	2.00	0.00	0.00	0.02	0.00	13.78	2.00	0.00	0.00	0.02	0.00
13.80	2.00	0.00	0.00	0.02	0.00	13.82	2.00	0.00	0.00	0.02	0.00
13.84	2.00	0.00	0.00	0.02	0.00	13.86	2.00	0.00	0.00	0.02	0.00
13.88	2.00	0.00	0.00	0.02	0.00	13.90	2.00	0.00	0.00	0.02	0.00
13.92	2.00	0.00	0.00	0.02	0.00	13.94	2.00	0.00	0.00	0.02	0.00
13.96	2.00	0.00	0.00	0.02	0.00	13.98	2.00	0.00	0.00	0.02	0.00
14.00	2.00	0.00	0.00	0.02	0.00	14.02	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.04	2.00	0.00	0.00	0.02	0.00	14.06	2.00	0.00	0.00	0.02	0.00
14.08	2.00	0.00	0.00	0.02	0.00	14.10	2.00	0.00	0.00	0.02	0.00
14.12	2.00	0.00	0.00	0.02	0.00	14.14	2.00	0.00	0.00	0.02	0.00
14.16	2.00	0.00	0.00	0.02	0.00	14.18	2.00	0.00	0.00	0.02	0.00
14.20	2.00	0.00	0.00	0.02	0.00	14.22	2.00	0.00	0.00	0.02	0.00
14.24	2.00	0.00	0.00	0.02	0.00	14.26	2.00	0.00	0.00	0.02	0.00
14.28	2.00	0.00	0.00	0.02	0.00	14.30	2.00	0.00	0.00	0.02	0.00
14.32	2.00	0.00	0.00	0.02	0.00	14.34	2.00	0.00	0.00	0.02	0.00
14.36	2.00	0.00	0.00	0.02	0.00	14.38	2.00	0.00	0.00	0.02	0.00
14.40	2.00	0.00	0.00	0.02	0.00	14.42	2.00	0.00	0.00	0.02	0.00
14.44	2.00	0.00	0.00	0.02	0.00	14.46	2.00	0.00	0.00	0.02	0.00
14.48	2.00	0.00	0.00	0.02	0.00	14.50	2.00	0.00	0.00	0.02	0.00
14.52	2.00	0.00	0.00	0.02	0.00	14.54	2.00	0.00	0.00	0.02	0.00
14.56	2.00	0.00	0.00	0.02	0.00	14.58	2.00	0.00	0.00	0.02	0.00
14.60	2.00	0.00	0.00	0.02	0.00	14.62	2.00	0.00	0.00	0.02	0.00
14.64	2.00	0.00	0.00	0.02	0.00	14.66	2.00	0.00	0.00	0.02	0.00
14.68	2.00	0.00	0.00	0.02	0.00	14.70	2.00	0.00	0.00	0.02	0.00
14.72	2.00	0.00	0.00	0.02	0.00	14.74	2.00	0.00	0.00	0.02	0.00
14.76	2.00	0.00	0.00	0.02	0.00	14.78	2.00	0.00	0.00	0.02	0.00
14.80	2.00	0.00	0.00	0.02	0.00	14.82	2.00	0.00	0.00	0.02	0.00
14.84	2.00	0.00	0.00	0.02	0.00						

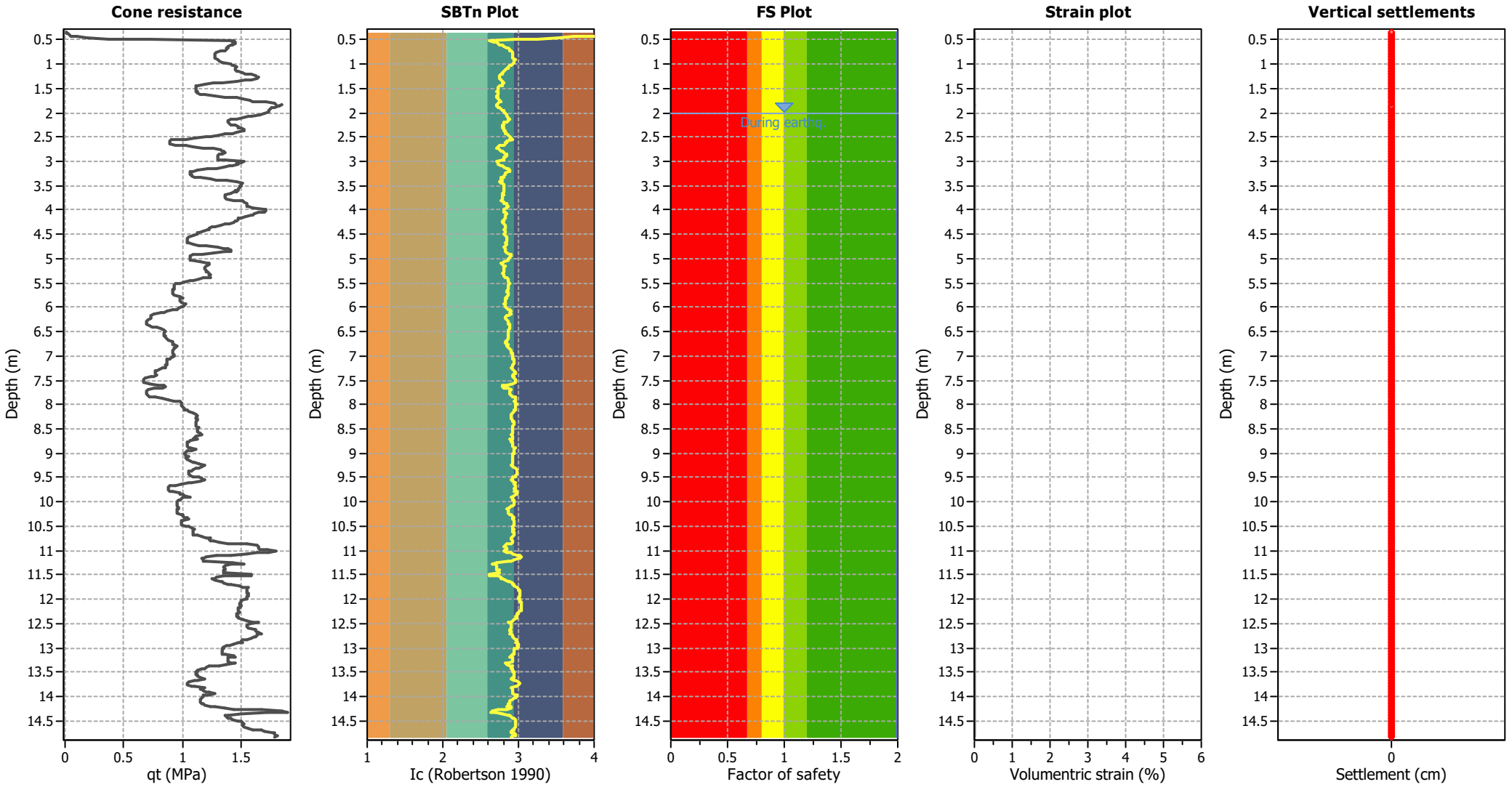
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.34	4.06	0.14	54.25	7.39	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.36	4.06	0.18	54.25	9.69	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.38	4.06	0.27	54.25	14.51	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.40	4.06	0.45	54.25	24.42	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.42	4.02	0.82	50.33	41.27	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.44	3.74	1.56	31.79	49.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.46	3.54	3.06	22.76	69.57	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.48	3.25	6.05	14.01	84.72	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.50	2.96	12.03	8.05	96.92	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.52	2.62	24.01	3.89	93.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.54	2.67	24.20	4.44	107.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.56	2.72	23.78	4.91	116.84	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.58	2.73	24.16	5.02	121.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.60	2.75	23.86	5.26	125.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	2.78	23.49	5.62	131.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	2.81	23.21	6.02	139.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.84	23.07	6.38	147.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.87	22.92	6.71	153.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.88	22.94	6.88	157.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.89	22.77	7.01	159.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.90	22.03	7.23	159.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.91	21.37	7.41	158.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.91	21.26	7.41	157.44	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.91	21.20	7.42	157.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.92	21.17	7.43	157.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.92	21.21	7.46	158.19	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.92	21.24	7.49	159.10	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	2.93	21.24	7.58	161.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	2.95	21.58	8.04	173.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	2.95	21.63	7.98	172.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	2.95	21.88	7.95	174.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	2.94	22.21	7.87	174.85	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.95	22.23	7.93	176.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.92	23.40	7.49	175.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.91	23.58	7.28	171.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.88	23.93	6.95	166.44	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.87	24.20	6.75	163.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.86	24.06	6.62	159.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.85	24.08	6.49	156.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.83	24.11	6.25	150.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.82	24.21	6.06	146.59	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.81	24.42	5.93	144.91	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.79	25.08	5.73	143.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.78	25.46	5.62	143.15	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.76	26.31	5.39	141.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.75	26.97	5.23	141.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.75	27.04	5.25	142.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.75	27.35	5.31	145.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.76	27.14	5.36	145.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.32	2.78	26.22	5.55	145.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	2.78	25.38	5.57	141.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.78	24.19	5.61	135.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.81	22.05	5.96	131.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.79	20.85	5.74	119.71	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.42	2.78	19.61	5.65	110.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.44	2.78	18.53	5.66	104.82	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.46	2.76	18.30	5.33	97.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.48	2.73	18.29	5.08	92.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.50	2.73	18.29	5.00	91.36	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.52	2.73	18.28	4.99	91.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	2.73	18.29	4.99	91.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.72	18.60	4.88	90.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.72	18.40	4.96	91.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.73	18.55	5.04	93.46	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.73	18.91	5.06	95.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.74	19.46	5.09	98.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.72	20.93	4.93	103.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.72	22.36	4.95	110.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.71	24.18	4.82	116.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	2.74	24.97	5.09	127.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.75	25.88	5.27	136.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.76	26.44	5.42	143.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.75	28.18	5.20	146.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.73	29.57	5.01	147.99	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.72	29.83	4.90	146.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.71	30.15	4.83	145.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.71	30.45	4.76	145.06	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.74	29.44	5.09	149.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.75	29.09	5.27	153.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.78	28.73	5.56	159.72	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.79	28.68	5.71	163.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.80	28.55	5.87	167.54	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.98	2.81	28.58	5.93	169.50	0	0	0.09	0.000	0.00	0.00	0.00	0.000
2.00	2.83	27.97	6.18	172.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	28.56	2.00	0.00	1.00	0.00	2.04	27.84	2.00	0.00	1.00	0.00
2.06	26.74	2.00	0.00	1.00	0.00	2.08	26.18	2.00	0.00	1.00	0.00
2.10	25.38	2.00	0.00	1.00	0.00	2.12	24.54	2.00	0.00	1.00	0.00
2.14	23.74	2.00	0.00	1.00	0.00	2.16	23.39	2.00	0.00	1.00	0.00
2.18	23.40	2.00	0.00	1.00	0.00	2.20	23.41	2.00	0.00	1.00	0.00
2.22	23.49	2.00	0.00	1.00	0.00	2.24	23.66	2.00	0.00	1.00	0.00
2.26	24.40	2.00	0.00	1.00	0.00	2.28	24.70	2.00	0.00	1.00	0.00
2.30	24.73	2.00	0.00	1.00	0.00	2.32	25.22	2.00	0.00	1.00	0.00
2.34	25.60	2.00	0.00	1.00	0.00	2.36	25.67	2.00	0.00	1.00	0.00
2.38	25.30	2.00	0.00	1.00	0.00	2.40	24.53	2.00	0.00	1.00	0.00
2.42	24.01	2.00	0.00	1.00	0.00	2.44	22.97	2.00	0.00	1.00	0.00
2.46	22.16	2.00	0.00	1.00	0.00	2.48	20.84	2.00	0.00	1.00	0.00
2.50	20.16	2.00	0.00	1.00	0.00	2.52	18.56	2.00	0.00	1.00	0.00
2.54	17.20	2.00	0.00	1.00	0.00	2.56	15.17	2.00	0.00	1.00	0.00
2.58	15.03	2.00	0.00	1.00	0.00	2.60	15.02	2.00	0.00	1.00	0.00
2.62	15.04	2.00	0.00	1.00	0.00	2.64	15.06	2.00	0.00	1.00	0.00
2.66	15.77	2.00	0.00	1.00	0.00	2.68	17.22	2.00	0.00	1.00	0.00
2.70	18.25	2.00	0.00	1.00	0.00	2.72	19.65	2.00	0.00	1.00	0.00
2.74	20.88	2.00	0.00	1.00	0.00	2.76	21.73	2.00	0.00	1.00	0.00
2.78	21.82	2.00	0.00	1.00	0.00	2.80	22.02	2.00	0.00	1.00	0.00
2.82	22.26	2.00	0.00	1.00	0.00	2.84	21.69	2.00	0.00	1.00	0.00
2.86	21.32	2.00	0.00	1.00	0.00	2.88	21.08	2.00	0.00	1.00	0.00
2.90	21.04	2.00	0.00	1.00	0.00	2.92	21.00	2.00	0.00	1.00	0.00
2.94	20.96	2.00	0.00	1.00	0.00	2.96	20.95	2.00	0.00	1.00	0.00
2.98	21.86	2.00	0.00	1.00	0.00	3.00	23.92	2.00	0.00	1.00	0.00
3.02	23.48	2.00	0.00	1.00	0.00	3.04	22.87	2.00	0.00	1.00	0.00
3.06	22.93	2.00	0.00	1.00	0.00	3.08	22.09	2.00	0.00	1.00	0.00
3.10	21.76	2.00	0.00	1.00	0.00	3.12	20.93	2.00	0.00	1.00	0.00
3.14	19.92	2.00	0.00	1.00	0.00	3.16	18.88	2.00	0.00	1.00	0.00
3.18	17.52	2.00	0.00	1.00	0.00	3.20	16.84	2.00	0.00	1.00	0.00
3.22	16.56	2.00	0.00	1.00	0.00	3.24	16.54	2.00	0.00	1.00	0.00
3.26	16.52	2.00	0.00	1.00	0.00	3.28	16.51	2.00	0.00	1.00	0.00
3.30	16.58	2.00	0.00	1.00	0.00	3.32	16.77	2.00	0.00	1.00	0.00
3.34	17.52	2.00	0.00	1.00	0.00	3.36	18.74	2.00	0.00	1.00	0.00
3.38	19.43	2.00	0.00	1.00	0.00	3.40	20.60	2.00	0.00	1.00	0.00
3.42	21.86	2.00	0.00	1.00	0.00	3.44	22.42	2.00	0.00	1.00	0.00
3.46	22.40	2.00	0.00	1.00	0.00	3.48	22.24	2.00	0.00	1.00	0.00
3.50	22.13	2.00	0.00	1.00	0.00	3.52	21.98	2.00	0.00	1.00	0.00
3.54	21.83	2.00	0.00	1.00	0.00	3.56	21.65	2.00	0.00	1.00	0.00
3.59	21.52	2.00	0.00	1.00	0.00	3.60	21.15	2.00	0.00	1.00	0.00
3.62	21.24	2.00	0.00	1.00	0.00	3.64	20.96	2.00	0.00	1.00	0.00
3.66	20.61	2.00	0.00	1.00	0.00	3.68	19.75	2.00	0.00	1.00	0.00
3.70	19.67	2.00	0.00	1.00	0.00	3.72	19.62	2.00	0.00	1.00	0.00
3.74	19.60	2.00	0.00	1.00	0.00	3.76	19.59	2.00	0.00	1.00	0.00
3.78	19.66	2.00	0.00	1.00	0.00	3.80	20.42	2.00	0.00	1.00	0.00
3.82	21.44	2.00	0.00	1.00	0.00	3.84	21.51	2.00	0.00	1.00	0.00
3.86	21.76	2.00	0.00	1.00	0.00	3.88	21.66	2.00	0.00	1.00	0.00
3.90	21.75	2.00	0.00	1.00	0.00	3.92	21.70	2.00	0.00	1.00	0.00
3.94	21.72	2.00	0.00	1.00	0.00	3.96	22.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.98	23.23	2.00	0.00	1.00	0.00	4.00	23.38	2.00	0.00	1.00	0.00
4.02	23.50	2.00	0.00	1.00	0.00	4.04	23.23	2.00	0.00	1.00	0.00
4.06	22.59	2.00	0.00	1.00	0.00	4.08	21.99	2.00	0.00	1.00	0.00
4.10	21.89	2.00	0.00	1.00	0.00	4.12	21.65	2.00	0.00	1.00	0.00
4.14	21.05	2.00	0.00	1.00	0.00	4.16	20.49	2.00	0.00	1.00	0.00
4.18	20.08	2.00	0.00	1.00	0.00	4.20	20.14	2.00	0.00	1.00	0.00
4.22	19.97	2.00	0.00	1.00	0.00	4.24	19.76	2.00	0.00	1.00	0.00
4.26	19.56	2.00	0.00	1.00	0.00	4.28	18.93	2.00	0.00	1.00	0.00
4.30	18.36	2.00	0.00	1.00	0.00	4.32	17.87	2.00	0.00	1.00	0.00
4.34	17.24	2.00	0.00	1.00	0.00	4.36	16.88	2.00	0.00	1.00	0.00
4.38	16.43	2.00	0.00	1.00	0.00	4.40	16.36	2.00	0.00	1.00	0.00
4.42	16.17	2.00	0.00	1.00	0.00	4.44	15.68	2.00	0.00	1.00	0.00
4.46	15.26	2.00	0.00	1.00	0.00	4.48	15.06	2.00	0.00	1.00	0.00
4.50	14.91	2.00	0.00	1.00	0.00	4.52	14.42	2.00	0.00	1.00	0.00
4.54	14.37	2.00	0.00	1.00	0.00	4.56	13.88	2.00	0.00	1.00	0.00
4.58	13.70	2.00	0.00	1.00	0.00	4.60	13.63	2.00	0.00	1.00	0.00
4.62	13.60	2.00	0.00	1.00	0.00	4.64	13.59	2.00	0.00	1.00	0.00
4.66	13.58	2.00	0.00	1.00	0.00	4.68	13.62	2.00	0.00	1.00	0.00
4.70	14.08	2.00	0.00	1.00	0.00	4.72	14.73	2.00	0.00	1.00	0.00
4.74	15.51	2.00	0.00	1.00	0.00	4.76	16.81	2.00	0.00	1.00	0.00
4.78	17.29	2.00	0.00	1.00	0.00	4.80	17.73	2.00	0.00	1.00	0.00
4.82	18.21	2.00	0.00	1.00	0.00	4.84	18.14	2.00	0.00	1.00	0.00
4.86	17.49	2.00	0.00	1.00	0.00	4.88	16.31	2.00	0.00	1.00	0.00
4.90	14.99	2.00	0.00	1.00	0.00	4.92	13.96	2.00	0.00	1.00	0.00
4.94	13.61	2.00	0.00	1.00	0.00	4.96	13.54	2.00	0.00	1.00	0.00
4.98	13.53	2.00	0.00	1.00	0.00	5.00	13.52	2.00	0.00	1.00	0.00
5.02	13.51	2.00	0.00	1.00	0.00	5.04	13.53	2.00	0.00	1.00	0.00
5.06	14.46	2.00	0.00	1.00	0.00	5.08	15.25	2.00	0.00	1.00	0.00
5.10	15.41	2.00	0.00	1.00	0.00	5.12	15.32	2.00	0.00	1.00	0.00
5.14	14.95	2.00	0.00	1.00	0.00	5.16	14.89	2.00	0.00	1.00	0.00
5.19	14.85	2.00	0.00	1.00	0.00	5.20	14.84	2.00	0.00	1.00	0.00
5.22	14.82	2.00	0.00	1.00	0.00	5.24	14.82	2.00	0.00	1.00	0.00
5.26	14.82	2.00	0.00	1.00	0.00	5.28	14.95	2.00	0.00	1.00	0.00
5.30	15.15	2.00	0.00	1.00	0.00	5.32	15.12	2.00	0.00	1.00	0.00
5.34	15.25	2.00	0.00	1.00	0.00	5.36	15.07	2.00	0.00	1.00	0.00
5.38	15.08	2.00	0.00	1.00	0.00	5.40	14.41	2.00	0.00	1.00	0.00
5.42	13.90	2.00	0.00	1.00	0.00	5.44	13.33	2.00	0.00	1.00	0.00
5.46	13.00	2.00	0.00	1.00	0.00	5.48	12.34	2.00	0.00	1.00	0.00
5.50	11.83	2.00	0.00	1.00	0.00	5.52	11.33	2.00	0.00	1.00	0.00
5.54	11.26	2.00	0.00	1.00	0.00	5.56	11.20	2.00	0.00	1.00	0.00
5.58	11.21	2.00	0.00	1.00	0.00	5.60	11.16	2.00	0.00	1.00	0.00
5.62	11.07	2.00	0.00	1.00	0.00	5.64	11.03	2.00	0.00	1.00	0.00
5.66	10.99	2.00	0.00	1.00	0.00	5.68	10.98	2.00	0.00	1.00	0.00
5.70	10.96	2.00	0.00	1.00	0.00	5.72	10.97	2.00	0.00	1.00	0.00
5.74	10.97	2.00	0.00	1.00	0.00	5.76	11.04	2.00	0.00	1.00	0.00
5.78	11.63	2.00	0.00	1.00	0.00	5.80	11.80	2.00	0.00	1.00	0.00
5.82	11.60	2.00	0.00	1.00	0.00	5.84	11.60	2.00	0.00	1.00	0.00
5.86	11.59	2.00	0.00	1.00	0.00	5.88	11.59	2.00	0.00	1.00	0.00
5.90	11.61	2.00	0.00	1.00	0.00	5.92	11.90	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.94	12.10	2.00	0.00	1.00	0.00	5.96	11.80	2.00	0.00	1.00	0.00
5.98	11.52	2.00	0.00	1.00	0.00	6.00	11.44	2.00	0.00	1.00	0.00
6.02	11.13	2.00	0.00	1.00	0.00	6.04	10.91	2.00	0.00	1.00	0.00
6.06	10.48	2.00	0.00	1.00	0.00	6.08	9.93	2.00	0.00	1.00	0.00
6.10	9.56	2.00	0.00	1.00	0.00	6.12	9.25	2.00	0.00	1.00	0.00
6.14	8.53	2.00	0.00	1.00	0.00	6.16	8.28	2.00	0.00	1.00	0.00
6.18	8.27	2.00	0.00	1.00	0.00	6.20	8.27	2.00	0.00	1.00	0.00
6.22	8.29	2.00	0.00	1.00	0.00	6.24	8.25	2.00	0.00	1.00	0.00
6.26	7.85	2.00	0.00	1.00	0.00	6.28	7.75	2.00	0.00	1.00	0.00
6.30	7.70	2.00	0.00	1.00	0.00	6.32	7.67	2.00	0.00	1.00	0.00
6.34	7.67	2.00	0.00	1.00	0.00	6.36	7.66	2.00	0.00	1.00	0.00
6.38	7.98	2.00	0.00	1.00	0.00	6.40	8.27	2.00	0.00	1.00	0.00
6.42	8.67	2.00	0.00	1.00	0.00	6.44	9.05	2.00	0.00	1.00	0.00
6.46	9.36	2.00	0.00	1.00	0.00	6.48	9.38	2.00	0.00	1.00	0.00
6.50	9.43	2.00	0.00	1.00	0.00	6.52	9.37	2.00	0.00	1.00	0.00
6.54	9.36	2.00	0.00	1.00	0.00	6.56	9.36	2.00	0.00	1.00	0.00
6.58	9.36	2.00	0.00	1.00	0.00	6.60	9.42	2.00	0.00	1.00	0.00
6.62	9.45	2.00	0.00	1.00	0.00	6.64	9.49	2.00	0.00	1.00	0.00
6.66	9.48	2.00	0.00	1.00	0.00	6.68	9.73	2.00	0.00	1.00	0.00
6.70	10.04	2.00	0.00	1.00	0.00	6.72	10.15	2.00	0.00	1.00	0.00
6.74	10.09	2.00	0.00	1.00	0.00	6.76	10.11	2.00	0.00	1.00	0.00
6.78	10.12	2.00	0.00	1.00	0.00	6.80	10.45	2.00	0.00	1.00	0.00
6.82	10.32	2.00	0.00	1.00	0.00	6.84	10.20	2.00	0.00	1.00	0.00
6.86	10.13	2.00	0.00	1.00	0.00	6.88	9.92	2.00	0.00	1.00	0.00
6.90	9.90	2.00	0.00	1.00	0.00	6.92	9.89	2.00	0.00	1.00	0.00
6.94	9.89	2.00	0.00	1.00	0.00	6.96	9.93	2.00	0.00	1.00	0.00
6.98	10.03	2.00	0.00	1.00	0.00	7.00	9.96	2.00	0.00	1.00	0.00
7.02	10.06	2.00	0.00	1.00	0.00	7.04	9.79	2.00	0.00	1.00	0.00
7.06	9.53	2.00	0.00	1.00	0.00	7.08	9.35	2.00	0.00	1.00	0.00
7.10	9.26	2.00	0.00	1.00	0.00	7.12	9.24	2.00	0.00	1.00	0.00
7.14	9.23	2.00	0.00	1.00	0.00	7.16	9.22	2.00	0.00	1.00	0.00
7.18	9.32	2.00	0.00	1.00	0.00	7.20	9.14	2.00	0.00	1.00	0.00
7.22	9.13	2.00	0.00	1.00	0.00	7.24	9.15	2.00	0.00	1.00	0.00
7.26	8.80	2.00	0.00	1.00	0.00	7.28	8.56	2.00	0.00	1.00	0.00
7.30	8.29	2.00	0.00	1.00	0.00	7.32	8.15	2.00	0.00	1.00	0.00
7.34	8.12	2.00	0.00	1.00	0.00	7.36	8.10	2.00	0.00	1.00	0.00
7.38	8.09	2.00	0.00	1.00	0.00	7.40	8.17	2.00	0.00	1.00	0.00
7.42	7.91	2.00	0.00	1.00	0.00	7.44	7.71	2.00	0.00	1.00	0.00
7.46	7.14	2.00	0.00	1.00	0.00	7.48	6.99	2.00	0.00	1.00	0.00
7.50	6.99	2.00	0.00	1.00	0.00	7.52	6.99	2.00	0.00	1.00	0.00
7.54	7.00	2.00	0.00	1.00	0.00	7.56	7.02	2.00	0.00	1.00	0.00
7.58	7.52	2.00	0.00	1.00	0.00	7.60	8.32	2.00	0.00	1.00	0.00
7.62	8.85	2.00	0.00	1.00	0.00	7.64	8.93	2.00	0.00	1.00	0.00
7.66	8.61	2.00	0.00	1.00	0.00	7.68	7.88	2.00	0.00	1.00	0.00
7.70	7.35	2.00	0.00	1.00	0.00	7.72	7.18	2.00	0.00	1.00	0.00
7.74	7.17	2.00	0.00	1.00	0.00	7.76	7.16	2.00	0.00	1.00	0.00
7.78	7.16	2.00	0.00	1.00	0.00	7.80	7.15	2.00	0.00	1.00	0.00
7.82	7.24	2.00	0.00	1.00	0.00	7.84	7.40	2.00	0.00	1.00	0.00
7.86	7.91	2.00	0.00	1.00	0.00	7.88	8.60	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.90	8.97	2.00	0.00	1.00	0.00	7.92	9.51	2.00	0.00	1.00	0.00
7.94	10.18	2.00	0.00	1.00	0.00	7.96	10.36	2.00	0.00	1.00	0.00
7.98	10.21	2.00	0.00	1.00	0.00	8.00	10.33	2.00	0.00	1.00	0.00
8.02	10.31	2.00	0.00	1.00	0.00	8.04	10.36	2.00	0.00	1.00	0.00
8.06	10.41	2.00	0.00	1.00	0.00	8.08	10.48	2.00	0.00	1.00	0.00
8.10	10.50	2.00	0.00	1.00	0.00	8.12	10.75	2.00	0.00	1.00	0.00
8.14	10.77	2.00	0.00	1.00	0.00	8.16	11.18	2.00	0.00	1.00	0.00
8.18	11.22	2.00	0.00	1.00	0.00	8.20	11.48	2.00	0.00	1.00	0.00
8.22	11.49	2.00	0.00	1.00	0.00	8.24	11.56	2.00	0.00	1.00	0.00
8.26	11.41	2.00	0.00	1.00	0.00	8.28	11.41	2.00	0.00	1.00	0.00
8.30	11.40	2.00	0.00	1.00	0.00	8.32	11.41	2.00	0.00	1.00	0.00
8.34	11.36	2.00	0.00	1.00	0.00	8.36	11.33	2.00	0.00	1.00	0.00
8.38	11.31	2.00	0.00	1.00	0.00	8.40	11.30	2.00	0.00	1.00	0.00
8.42	11.30	2.00	0.00	1.00	0.00	8.44	11.30	2.00	0.00	1.00	0.00
8.46	11.34	2.00	0.00	1.00	0.00	8.48	11.43	2.00	0.00	1.00	0.00
8.50	11.39	2.00	0.00	1.00	0.00	8.52	11.38	2.00	0.00	1.00	0.00
8.54	11.37	2.00	0.00	1.00	0.00	8.56	11.40	2.00	0.00	1.00	0.00
8.58	11.57	2.00	0.00	1.00	0.00	8.60	11.61	2.00	0.00	1.00	0.00
8.62	11.72	2.00	0.00	1.00	0.00	8.64	11.24	2.00	0.00	1.00	0.00
8.66	11.16	2.00	0.00	1.00	0.00	8.68	11.08	2.00	0.00	1.00	0.00
8.70	10.93	2.00	0.00	1.00	0.00	8.72	11.26	2.00	0.00	1.00	0.00
8.74	10.59	2.00	0.00	1.00	0.00	8.76	10.40	2.00	0.00	1.00	0.00
8.78	10.35	2.00	0.00	1.00	0.00	8.80	10.32	2.00	0.00	1.00	0.00
8.82	10.31	2.00	0.00	1.00	0.00	8.84	10.31	2.00	0.00	1.00	0.00
8.86	10.31	2.00	0.00	1.00	0.00	8.88	10.45	2.00	0.00	1.00	0.00
8.90	10.59	2.00	0.00	1.00	0.00	8.92	11.18	2.00	0.00	1.00	0.00
8.94	10.81	2.00	0.00	1.00	0.00	8.96	10.44	2.00	0.00	1.00	0.00
8.98	10.29	2.00	0.00	1.00	0.00	9.00	10.25	2.00	0.00	1.00	0.00
9.02	10.24	2.00	0.00	1.00	0.00	9.04	10.23	2.00	0.00	1.00	0.00
9.06	10.23	2.00	0.00	1.00	0.00	9.08	10.42	2.00	0.00	1.00	0.00
9.10	10.23	2.00	0.00	1.00	0.00	9.12	10.27	2.00	0.00	1.00	0.00
9.14	10.31	2.00	0.00	1.00	0.00	9.16	10.48	2.00	0.00	1.00	0.00
9.18	10.70	2.00	0.00	1.00	0.00	9.20	10.90	2.00	0.00	1.00	0.00
9.22	11.24	2.00	0.00	1.00	0.00	9.24	11.72	2.00	0.00	1.00	0.00
9.26	11.60	2.00	0.00	1.00	0.00	9.28	11.44	2.00	0.00	1.00	0.00
9.30	11.22	2.00	0.00	1.00	0.00	9.32	10.95	2.00	0.00	1.00	0.00
9.34	10.61	2.00	0.00	1.00	0.00	9.36	10.47	2.00	0.00	1.00	0.00
9.38	10.18	2.00	0.00	1.00	0.00	9.40	10.17	2.00	0.00	1.00	0.00
9.42	10.17	2.00	0.00	1.00	0.00	9.44	10.21	2.00	0.00	1.00	0.00
9.46	10.30	2.00	0.00	1.00	0.00	9.48	10.50	2.00	0.00	1.00	0.00
9.50	11.04	2.00	0.00	1.00	0.00	9.52	11.28	2.00	0.00	1.00	0.00
9.54	11.37	2.00	0.00	1.00	0.00	9.56	11.40	2.00	0.00	1.00	0.00
9.58	11.04	2.00	0.00	1.00	0.00	9.60	10.39	2.00	0.00	1.00	0.00
9.62	10.11	2.00	0.00	1.00	0.00	9.64	9.54	2.00	0.00	1.00	0.00
9.66	8.98	2.00	0.00	1.00	0.00	9.68	8.39	2.00	0.00	1.00	0.00
9.70	8.28	2.00	0.00	1.00	0.00	9.72	8.27	2.00	0.00	1.00	0.00
9.74	8.27	2.00	0.00	1.00	0.00	9.76	8.26	2.00	0.00	1.00	0.00
9.78	8.27	2.00	0.00	1.00	0.00	9.80	8.54	2.00	0.00	1.00	0.00
9.82	9.03	2.00	0.00	1.00	0.00	9.84	9.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.86	9.31	2.00	0.00	1.00	0.00	9.88	9.50	2.00	0.00	1.00	0.00
9.90	10.06	2.00	0.00	1.00	0.00	9.92	9.51	2.00	0.00	1.00	0.00
9.94	9.40	2.00	0.00	1.00	0.00	9.96	9.23	2.00	0.00	1.00	0.00
9.97	9.06	2.00	0.00	1.00	0.00	9.99	8.96	2.00	0.00	1.00	0.00
10.01	8.91	2.00	0.00	1.00	0.00	10.03	8.89	2.00	0.00	1.00	0.00
10.05	8.87	2.00	0.00	1.00	0.00	10.07	8.87	2.00	0.00	1.00	0.00
10.09	8.86	2.00	0.00	1.00	0.00	10.11	8.95	2.00	0.00	1.00	0.00
10.13	8.92	2.00	0.00	1.00	0.00	10.15	8.74	2.00	0.00	1.00	0.00
10.17	8.72	2.00	0.00	1.00	0.00	10.19	8.72	2.00	0.00	1.00	0.00
10.21	8.71	2.00	0.00	1.00	0.00	10.23	8.71	2.00	0.00	1.00	0.00
10.25	9.02	2.00	0.00	1.00	0.00	10.27	9.14	2.00	0.00	1.00	0.00
10.29	9.08	2.00	0.00	1.00	0.00	10.31	9.19	2.00	0.00	1.00	0.00
10.33	9.41	2.00	0.00	1.00	0.00	10.35	9.55	2.00	0.00	1.00	0.00
10.37	9.00	2.00	0.00	1.00	0.00	10.39	8.92	2.00	0.00	1.00	0.00
10.41	8.91	2.00	0.00	1.00	0.00	10.43	8.90	2.00	0.00	1.00	0.00
10.45	8.90	2.00	0.00	1.00	0.00	10.47	8.89	2.00	0.00	1.00	0.00
10.49	9.18	2.00	0.00	1.00	0.00	10.51	9.46	2.00	0.00	1.00	0.00
10.53	9.67	2.00	0.00	1.00	0.00	10.55	9.88	2.00	0.00	1.00	0.00
10.57	9.80	2.00	0.00	1.00	0.00	10.59	9.82	2.00	0.00	1.00	0.00
10.61	9.83	2.00	0.00	1.00	0.00	10.63	9.81	2.00	0.00	1.00	0.00
10.65	9.80	2.00	0.00	1.00	0.00	10.67	9.79	2.00	0.00	1.00	0.00
10.69	10.02	2.00	0.00	1.00	0.00	10.71	10.35	2.00	0.00	1.00	0.00
10.73	10.80	2.00	0.00	1.00	0.00	10.75	11.03	2.00	0.00	1.00	0.00
10.77	10.95	2.00	0.00	1.00	0.00	10.79	11.03	2.00	0.00	1.00	0.00
10.81	11.33	2.00	0.00	1.00	0.00	10.83	11.76	2.00	0.00	1.00	0.00
10.85	12.42	2.00	0.00	1.00	0.00	10.87	14.21	2.00	0.00	1.00	0.00
10.89	15.18	2.00	0.00	1.00	0.00	10.91	15.29	2.00	0.00	1.00	0.00
10.93	15.23	2.00	0.00	1.00	0.00	10.95	15.25	2.00	0.00	1.00	0.00
10.97	15.27	2.00	0.00	1.00	0.00	10.99	15.85	2.00	0.00	1.00	0.00
11.01	16.48	2.00	0.00	1.00	0.00	11.03	15.94	2.00	0.00	1.00	0.00
11.05	14.94	2.00	0.00	1.00	0.00	11.07	14.21	2.00	0.00	1.00	0.00
11.09	13.08	2.00	0.00	1.00	0.00	11.11	11.97	2.00	0.00	1.00	0.00
11.13	11.13	2.00	0.00	1.00	0.00	11.15	10.89	2.00	0.00	1.00	0.00
11.17	10.84	2.00	0.00	1.00	0.00	11.19	10.89	2.00	0.00	1.00	0.00
11.21	10.93	2.00	0.00	1.00	0.00	11.23	11.06	2.00	0.00	1.00	0.00
11.25	13.22	2.00	0.00	1.00	0.00	11.27	14.27	2.00	0.00	1.00	0.00
11.29	13.23	2.00	0.00	1.00	0.00	11.31	12.77	2.00	0.00	1.00	0.00
11.33	12.67	2.00	0.00	1.00	0.00	11.35	12.70	2.00	0.00	1.00	0.00
11.37	12.73	2.00	0.00	1.00	0.00	11.39	12.81	2.00	0.00	1.00	0.00
11.41	12.74	2.00	0.00	1.00	0.00	11.43	12.76	2.00	0.00	1.00	0.00
11.45	12.78	2.00	0.00	1.00	0.00	11.47	12.84	2.00	0.00	1.00	0.00
11.49	15.15	2.00	0.00	1.00	0.00	11.51	15.16	2.00	0.00	1.00	0.00
11.53	12.83	2.00	0.00	1.00	0.00	11.55	12.17	2.00	0.00	1.00	0.00
11.57	12.07	2.00	0.00	1.00	0.00	11.59	11.77	2.00	0.00	1.00	0.00
11.61	11.76	2.00	0.00	1.00	0.00	11.63	11.75	2.00	0.00	1.00	0.00
11.65	11.74	2.00	0.00	1.00	0.00	11.67	11.91	2.00	0.00	1.00	0.00
11.69	12.22	2.00	0.00	1.00	0.00	11.71	12.43	2.00	0.00	1.00	0.00
11.73	13.07	2.00	0.00	1.00	0.00	11.75	13.27	2.00	0.00	1.00	0.00
11.77	13.77	2.00	0.00	1.00	0.00	11.79	13.87	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.81	13.98	2.00	0.00	1.00	0.00	11.83	14.01	2.00	0.00	1.00	0.00
11.85	14.00	2.00	0.00	1.00	0.00	11.87	13.99	2.00	0.00	1.00	0.00
11.89	14.14	2.00	0.00	1.00	0.00	11.91	14.03	2.00	0.00	1.00	0.00
11.93	13.99	2.00	0.00	1.00	0.00	11.95	13.95	2.00	0.00	1.00	0.00
11.97	13.94	2.00	0.00	1.00	0.00	11.99	13.89	2.00	0.00	1.00	0.00
12.01	13.67	2.00	0.00	1.00	0.00	12.03	13.38	2.00	0.00	1.00	0.00
12.05	13.27	2.00	0.00	1.00	0.00	12.07	13.21	2.00	0.00	1.00	0.00
12.09	13.15	2.00	0.00	1.00	0.00	12.11	13.19	2.00	0.00	1.00	0.00
12.13	13.08	2.00	0.00	1.00	0.00	12.15	13.22	2.00	0.00	1.00	0.00
12.17	13.02	2.00	0.00	1.00	0.00	12.19	12.97	2.00	0.00	1.00	0.00
12.21	12.92	2.00	0.00	1.00	0.00	12.23	12.86	2.00	0.00	1.00	0.00
12.25	12.84	2.00	0.00	1.00	0.00	12.27	12.93	2.00	0.00	1.00	0.00
12.29	12.80	2.00	0.00	1.00	0.00	12.31	12.73	2.00	0.00	1.00	0.00
12.33	12.69	2.00	0.00	1.00	0.00	12.35	12.67	2.00	0.00	1.00	0.00
12.37	12.67	2.00	0.00	1.00	0.00	12.39	12.67	2.00	0.00	1.00	0.00
12.41	12.95	2.00	0.00	1.00	0.00	12.43	12.91	2.00	0.00	1.00	0.00
12.45	13.24	2.00	0.00	1.00	0.00	12.47	13.63	2.00	0.00	1.00	0.00
12.49	14.04	2.00	0.00	1.00	0.00	12.51	13.33	2.00	0.00	1.00	0.00
12.53	13.13	2.00	0.00	1.00	0.00	12.55	13.13	2.00	0.00	1.00	0.00
12.57	13.12	2.00	0.00	1.00	0.00	12.59	13.12	2.00	0.00	1.00	0.00
12.61	13.13	2.00	0.00	1.00	0.00	12.63	13.61	2.00	0.00	1.00	0.00
12.65	13.69	2.00	0.00	1.00	0.00	12.67	13.70	2.00	0.00	1.00	0.00
12.69	13.89	2.00	0.00	1.00	0.00	12.71	14.02	2.00	0.00	1.00	0.00
12.73	13.83	2.00	0.00	1.00	0.00	12.75	13.82	2.00	0.00	1.00	0.00
12.77	13.61	2.00	0.00	1.00	0.00	12.79	13.51	2.00	0.00	1.00	0.00
12.81	13.30	2.00	0.00	1.00	0.00	12.83	12.96	2.00	0.00	1.00	0.00
12.85	12.62	2.00	0.00	1.00	0.00	12.87	12.54	2.00	0.00	1.00	0.00
12.89	12.55	2.00	0.00	1.00	0.00	12.91	12.32	2.00	0.00	1.00	0.00
12.93	11.91	2.00	0.00	1.00	0.00	12.95	11.68	2.00	0.00	1.00	0.00
12.97	11.36	2.00	0.00	1.00	0.00	12.99	11.11	2.00	0.00	1.00	0.00
13.01	11.03	2.00	0.00	1.00	0.00	13.03	11.13	2.00	0.00	1.00	0.00
13.05	10.99	2.00	0.00	1.00	0.00	13.07	10.97	2.00	0.00	1.00	0.00
13.09	10.96	2.00	0.00	1.00	0.00	13.11	10.95	2.00	0.00	1.00	0.00
13.13	11.00	2.00	0.00	1.00	0.00	13.15	11.11	2.00	0.00	1.00	0.00
13.17	11.76	2.00	0.00	1.00	0.00	13.19	11.83	2.00	0.00	1.00	0.00
13.21	11.30	2.00	0.00	1.00	0.00	13.23	11.26	2.00	0.00	1.00	0.00
13.25	11.25	2.00	0.00	1.00	0.00	13.27	11.27	2.00	0.00	1.00	0.00
13.28	11.30	2.00	0.00	1.00	0.00	13.30	11.41	2.00	0.00	1.00	0.00
13.32	11.73	2.00	0.00	1.00	0.00	13.34	11.17	2.00	0.00	1.00	0.00
13.36	10.58	2.00	0.00	1.00	0.00	13.38	9.90	2.00	0.00	1.00	0.00
13.40	9.58	2.00	0.00	1.00	0.00	13.42	9.49	2.00	0.00	1.00	0.00
13.44	9.25	2.00	0.00	1.00	0.00	13.46	9.00	2.00	0.00	1.00	0.00
13.48	8.95	2.00	0.00	1.00	0.00	13.50	8.87	2.00	0.00	1.00	0.00
13.52	8.87	2.00	0.00	1.00	0.00	13.54	8.87	2.00	0.00	1.00	0.00
13.56	8.89	2.00	0.00	1.00	0.00	13.58	8.93	2.00	0.00	1.00	0.00
13.60	9.03	2.00	0.00	1.00	0.00	13.62	9.12	2.00	0.00	1.00	0.00
13.64	9.39	2.00	0.00	1.00	0.00	13.66	8.89	2.00	0.00	1.00	0.00
13.68	8.63	2.00	0.00	1.00	0.00	13.70	8.22	2.00	0.00	1.00	0.00
13.72	8.14	2.00	0.00	1.00	0.00	13.74	8.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.76	8.12	2.00	0.00	1.00	0.00	13.78	8.40	2.00	0.00	1.00	0.00
13.80	8.68	2.00	0.00	1.00	0.00	13.82	9.24	2.00	0.00	1.00	0.00
13.84	8.93	2.00	0.00	1.00	0.00	13.86	8.98	2.00	0.00	1.00	0.00
13.88	9.03	2.00	0.00	1.00	0.00	13.90	9.17	2.00	0.00	1.00	0.00
13.92	9.42	2.00	0.00	1.00	0.00	13.94	9.76	2.00	0.00	1.00	0.00
13.96	9.33	2.00	0.00	1.00	0.00	13.98	8.89	2.00	0.00	1.00	0.00
14.00	8.97	2.00	0.00	1.00	0.00	14.02	8.88	2.00	0.00	1.00	0.00
14.04	8.79	2.00	0.00	1.00	0.00	14.06	8.72	2.00	0.00	1.00	0.00
14.08	8.71	2.00	0.00	1.00	0.00	14.10	8.71	2.00	0.00	1.00	0.00
14.12	8.70	2.00	0.00	1.00	0.00	14.14	8.76	2.00	0.00	1.00	0.00
14.16	8.88	2.00	0.00	1.00	0.00	14.18	9.00	2.00	0.00	1.00	0.00
14.20	9.34	2.00	0.00	1.00	0.00	14.22	9.72	2.00	0.00	1.00	0.00
14.24	10.45	2.00	0.00	1.00	0.00	14.26	11.06	2.00	0.00	1.00	0.00
14.28	12.98	2.00	0.00	1.00	0.00	14.30	14.91	2.00	0.00	1.00	0.00
14.32	15.60	2.00	0.00	1.00	0.00	14.34	14.06	2.00	0.00	1.00	0.00
14.36	12.06	2.00	0.00	1.00	0.00	14.38	11.06	2.00	0.00	1.00	0.00
14.40	10.72	2.00	0.00	1.00	0.00	14.42	10.73	2.00	0.00	1.00	0.00
14.44	10.74	2.00	0.00	1.00	0.00	14.46	10.76	2.00	0.00	1.00	0.00
14.48	10.90	2.00	0.00	1.00	0.00	14.50	11.29	2.00	0.00	1.00	0.00
14.52	11.45	2.00	0.00	1.00	0.00	14.54	11.61	2.00	0.00	1.00	0.00
14.56	11.71	2.00	0.00	1.00	0.00	14.58	11.66	2.00	0.00	1.00	0.00
14.60	11.67	2.00	0.00	1.00	0.00	14.62	11.68	2.00	0.00	1.00	0.00
14.64	11.76	2.00	0.00	1.00	0.00	14.66	11.94	2.00	0.00	1.00	0.00
14.68	12.24	2.00	0.00	1.00	0.00	14.70	12.82	2.00	0.00	1.00	0.00
14.72	13.08	2.00	0.00	1.00	0.00	14.74	13.83	2.00	0.00	1.00	0.00
14.76	14.04	2.00	0.00	1.00	0.00	14.78	14.05	2.00	0.00	1.00	0.00
14.80	14.16	2.00	0.00	1.00	0.00	14.82	14.44	2.00	0.00	1.00	0.00
14.84	14.24	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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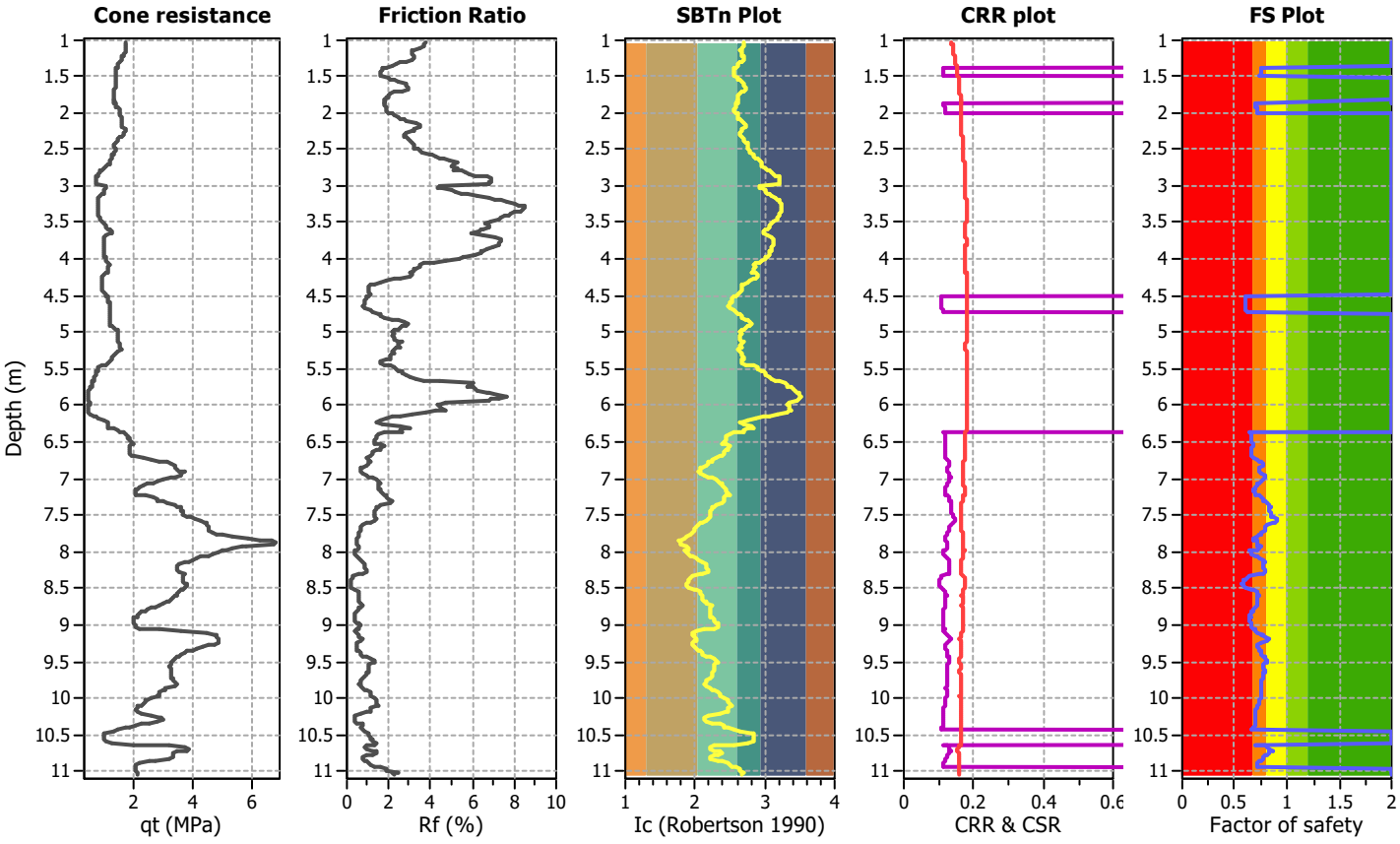
LIQUEFACTION ANALYSIS REPORT

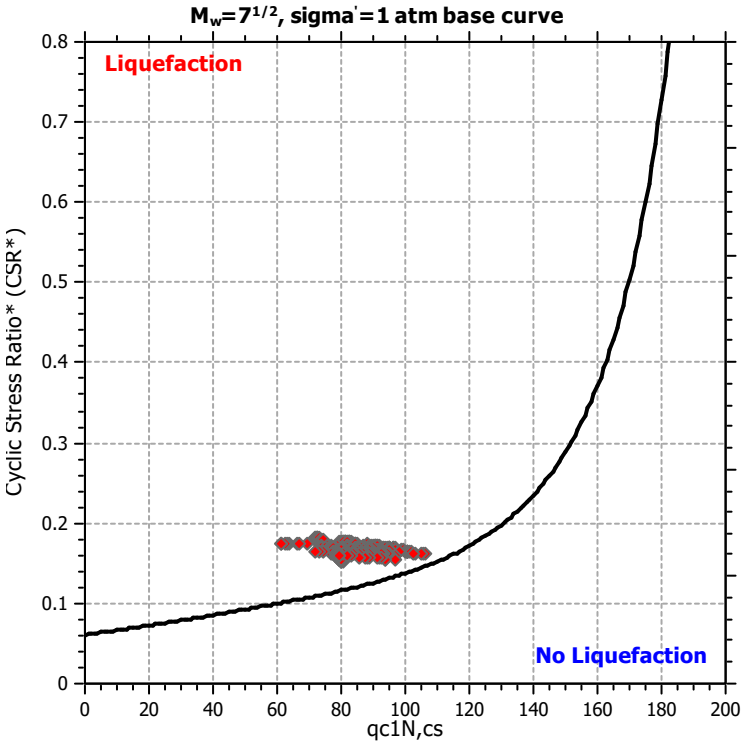
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

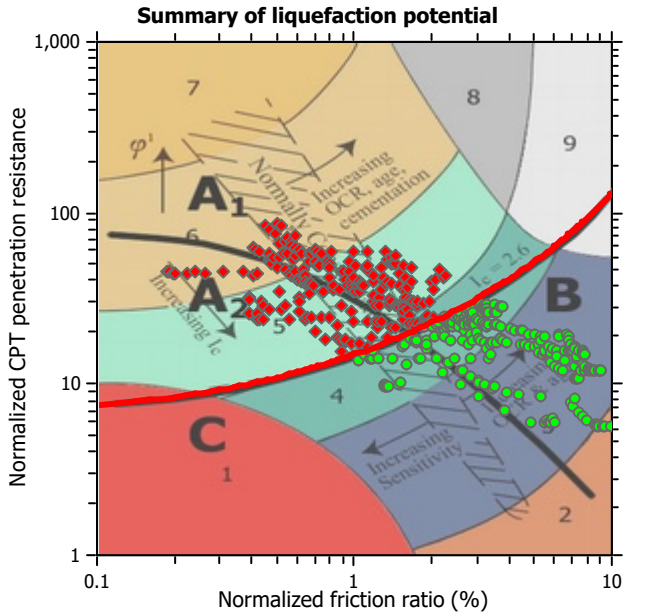
CPT file : P298 - CPTu-4

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	0.40 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	0.40 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

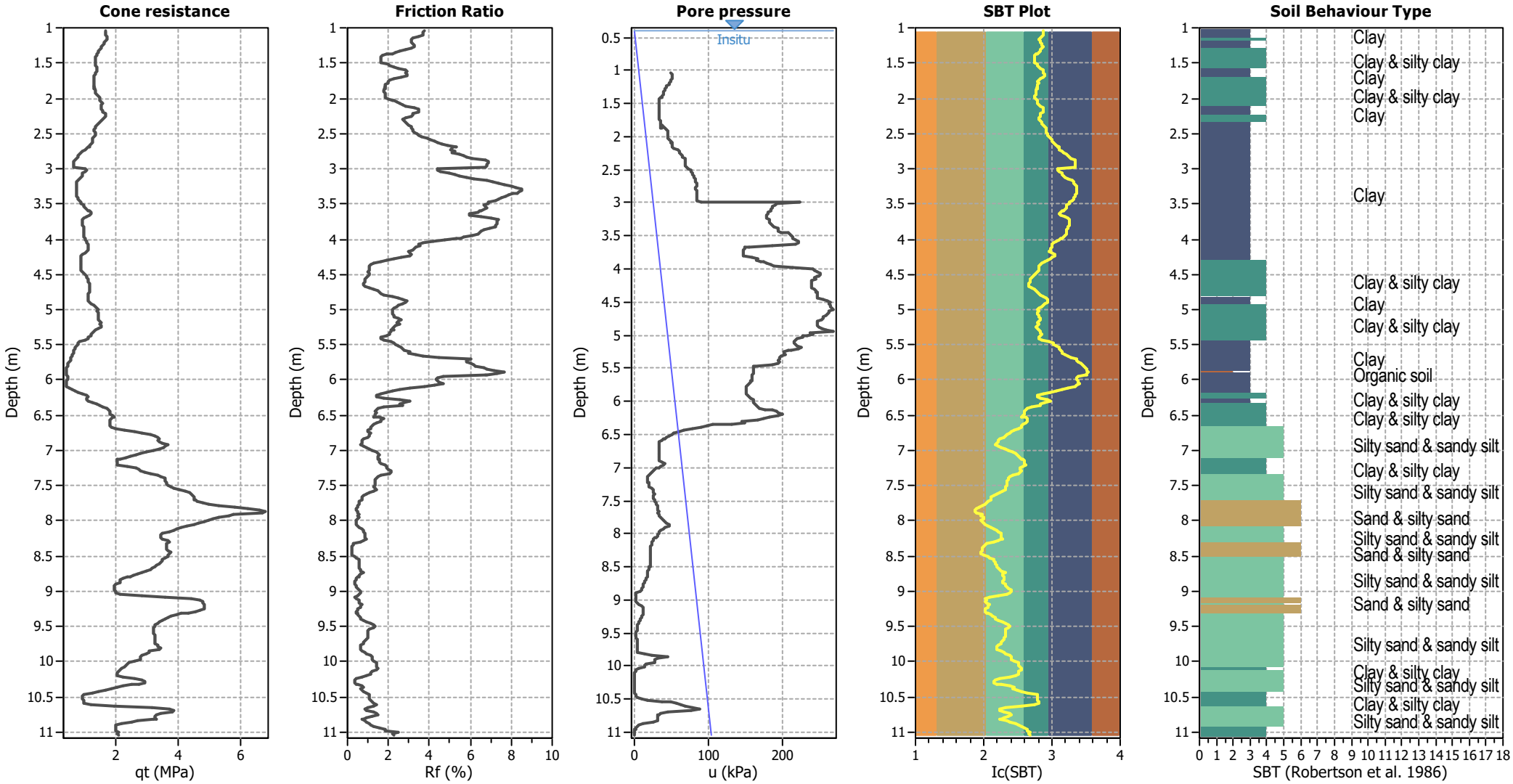






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



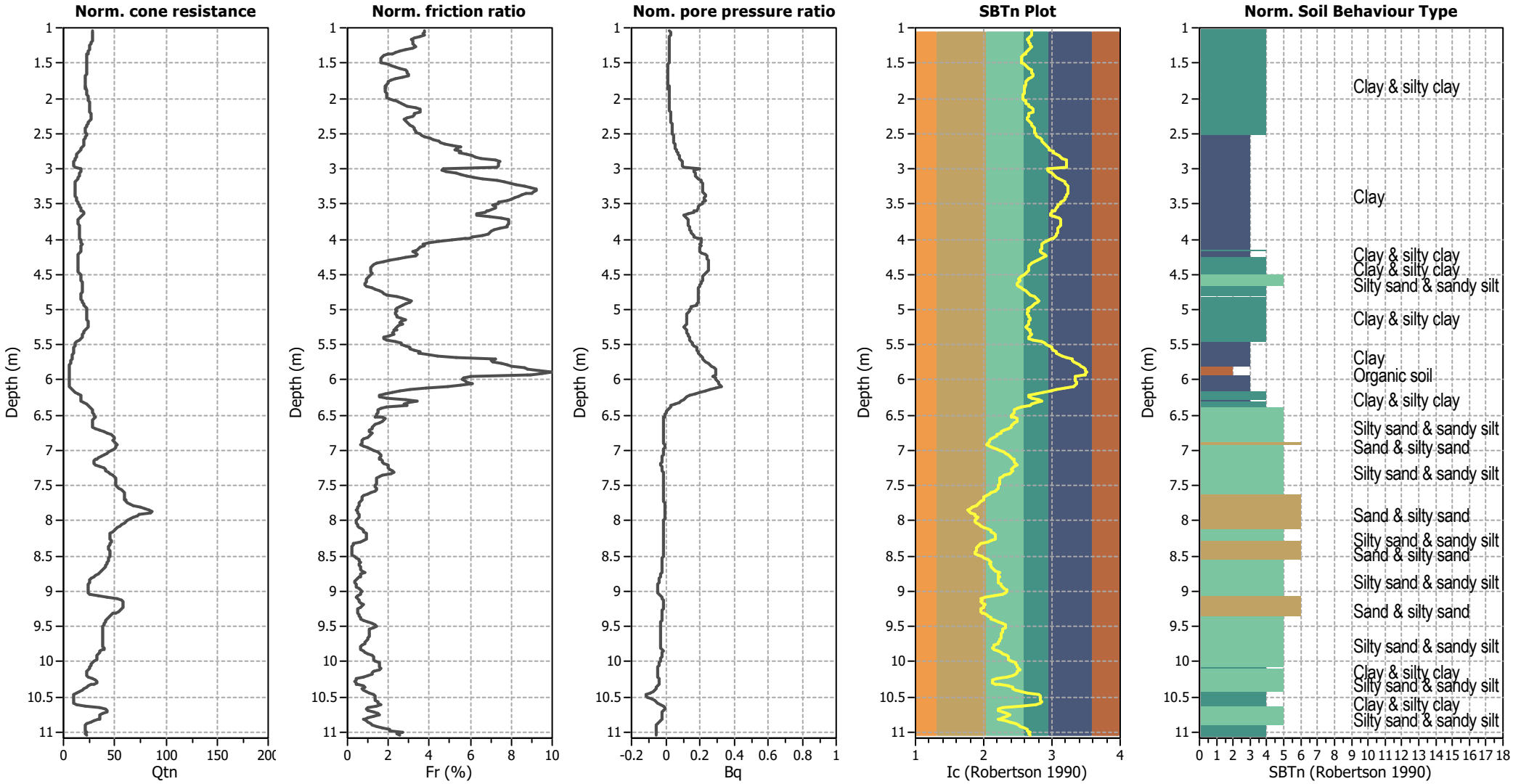
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



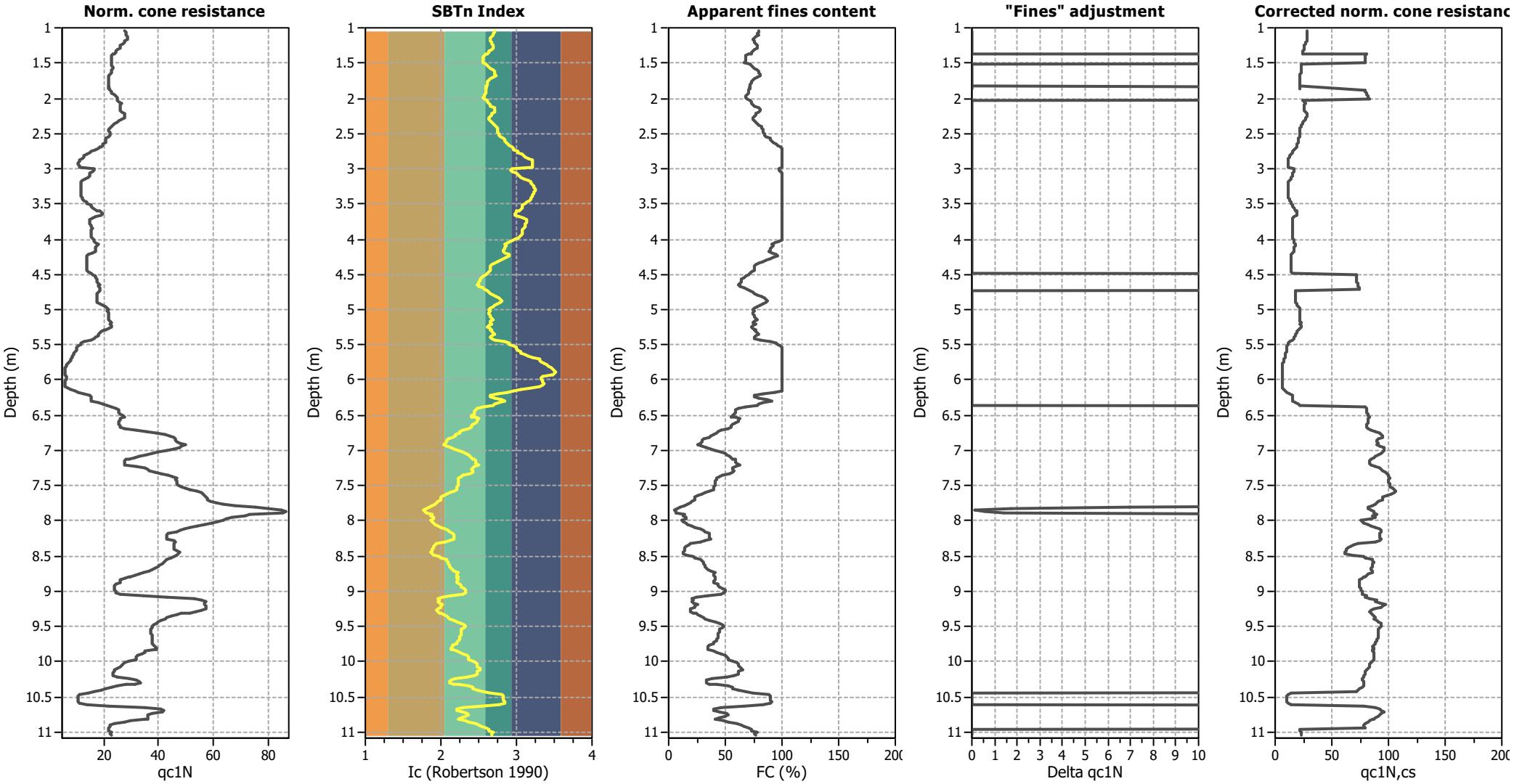
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

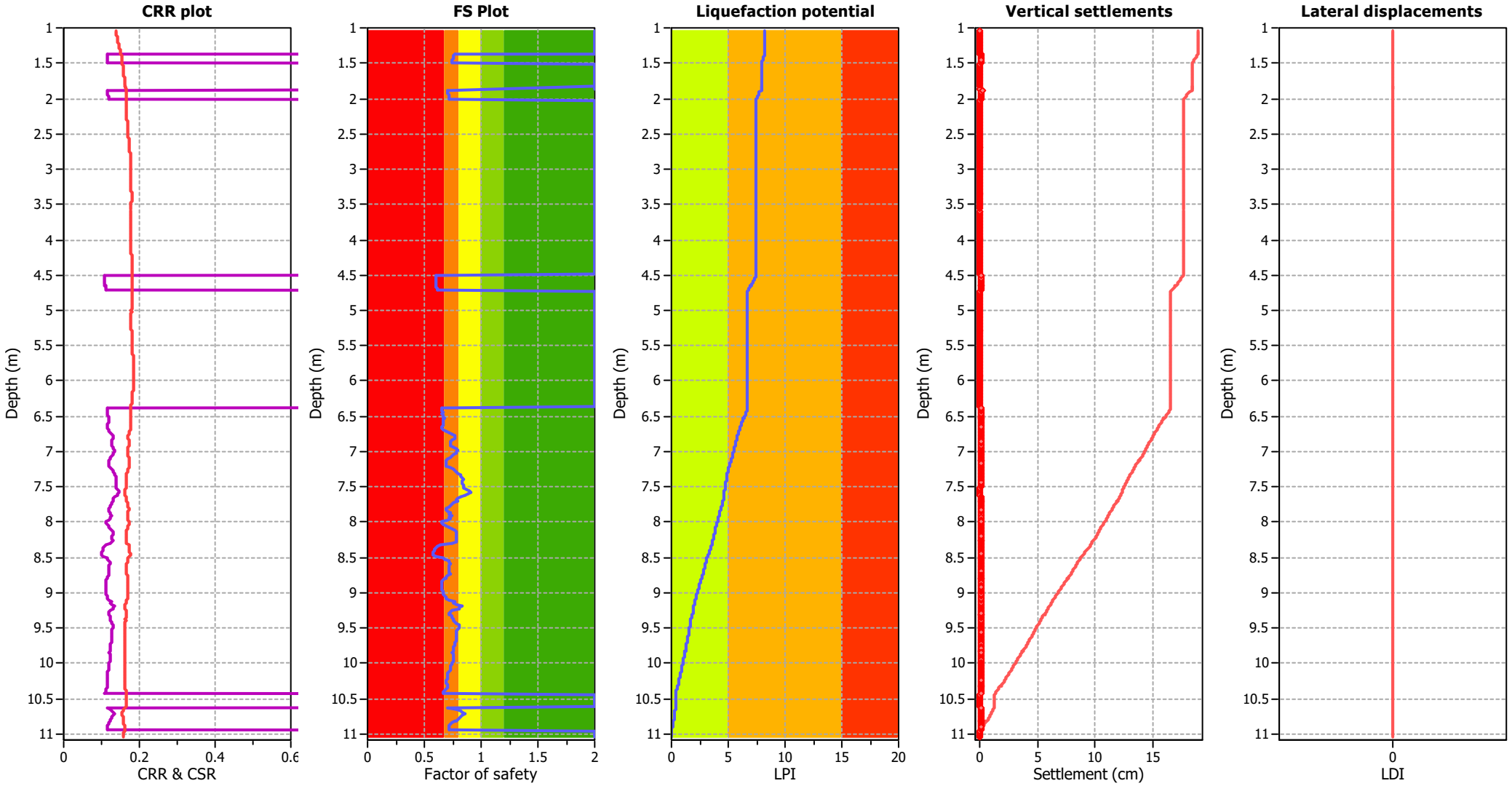
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

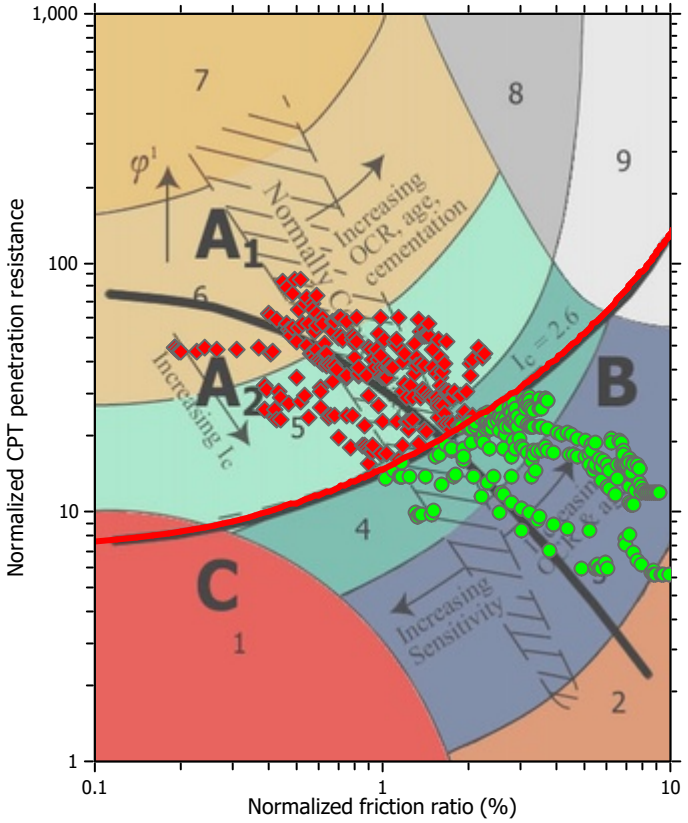
F.S. color scheme

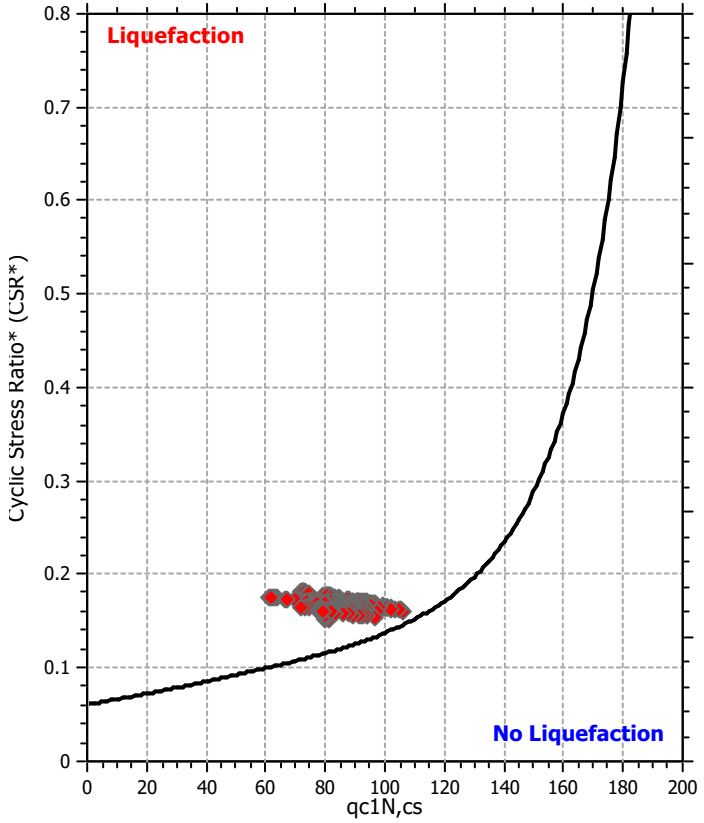
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

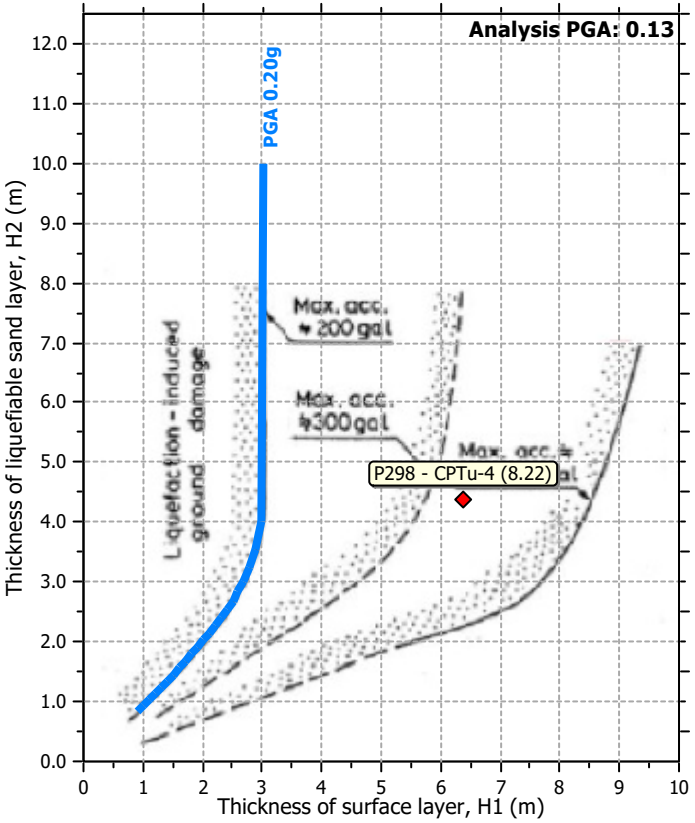
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



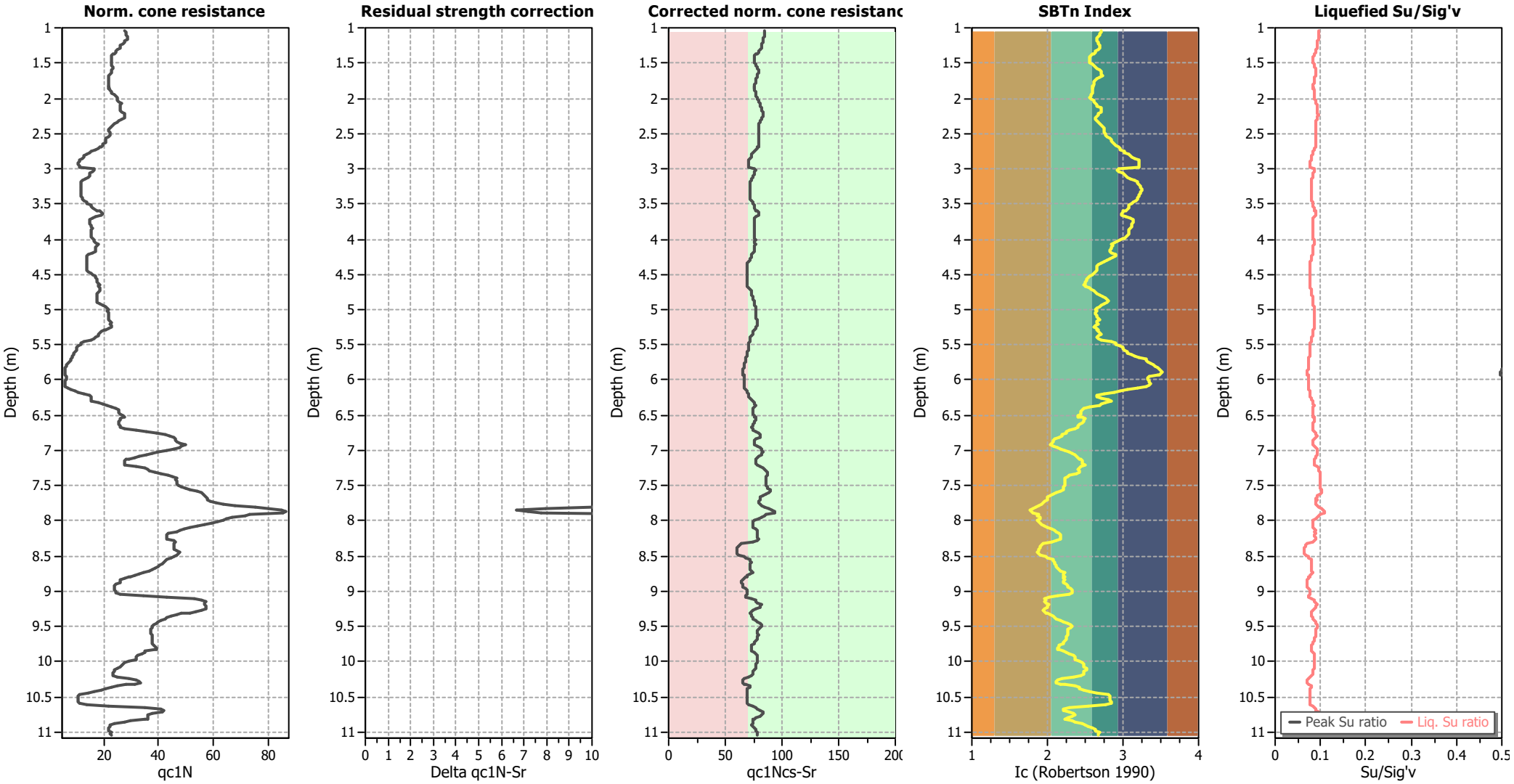




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	0.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	0.40 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	0.77	0.00	0.00	0.02	0.04
1.40	0.76	0.00	0.00	0.02	0.04	1.42	0.76	0.00	0.00	0.02	0.05
1.44	0.75	0.00	0.00	0.02	0.05	1.46	0.75	0.00	0.00	0.02	0.05
1.48	0.75	0.00	0.00	0.02	0.05	1.50	0.74	0.00	0.00	0.02	0.05
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	0.71	0.00	0.00	0.06	0.16	1.90	0.71	0.00	0.00	0.02	0.05
1.92	0.71	0.00	0.00	0.02	0.05	1.94	0.71	0.00	0.00	0.02	0.05
1.96	0.72	0.00	0.00	0.02	0.05	1.98	0.72	0.00	0.00	0.02	0.05
2.00	0.72	0.00	0.00	0.02	0.05	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	0.60	0.00	0.00	0.02	0.06
4.52	0.60	0.00	0.00	0.02	0.06	4.54	0.60	0.00	0.00	0.02	0.06
4.56	0.60	0.00	0.00	0.02	0.06	4.58	0.60	0.00	0.00	0.02	0.06
4.60	0.60	0.00	0.00	0.02	0.06	4.62	0.61	0.00	0.00	0.02	0.06
4.64	0.61	0.00	0.00	0.02	0.06	4.66	0.61	0.00	0.00	0.02	0.06
4.68	0.61	0.00	0.00	0.02	0.06	4.70	0.61	0.00	0.00	0.02	0.06
4.72	0.62	0.00	0.00	0.02	0.06	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	0.65	0.00	0.00	0.02	0.05
6.40	0.65	0.00	0.00	0.02	0.05	6.42	0.66	0.00	0.00	0.02	0.05
6.44	0.66	0.00	0.00	0.02	0.05	6.46	0.66	0.00	0.00	0.02	0.05
6.48	0.66	0.00	0.00	0.02	0.05	6.50	0.67	0.00	0.00	0.02	0.04
6.52	0.67	0.00	0.00	0.02	0.04	6.54	0.68	0.00	0.00	0.02	0.04
6.56	0.67	0.00	0.00	0.02	0.04	6.58	0.67	0.00	0.00	0.02	0.04
6.60	0.67	0.00	0.00	0.02	0.04	6.62	0.66	0.00	0.00	0.02	0.04
6.64	0.66	0.00	0.00	0.02	0.05	6.66	0.66	0.00	0.00	0.02	0.05
6.68	0.66	0.00	0.00	0.02	0.05	6.70	0.67	0.00	0.00	0.02	0.04
6.72	0.69	0.00	0.00	0.02	0.04	6.74	0.71	0.00	0.00	0.02	0.04
6.76	0.74	0.00	0.00	0.02	0.03	6.78	0.76	0.00	0.00	0.02	0.03
6.80	0.77	0.00	0.00	0.02	0.03	6.82	0.77	0.00	0.00	0.02	0.03
6.84	0.74	0.00	0.00	0.02	0.03	6.86	0.73	0.00	0.00	0.02	0.04
6.88	0.73	0.00	0.00	0.02	0.03	6.90	0.73	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.92	0.73	0.00	0.00	0.02	0.03	6.94	0.76	0.00	0.00	0.02	0.03
6.96	0.78	0.00	0.00	0.02	0.03	6.97	0.79	0.00	0.00	0.02	0.03
6.99	0.79	0.00	0.00	0.02	0.03	7.01	0.78	0.00	0.00	0.02	0.03
7.03	0.76	0.00	0.00	0.02	0.03	7.05	0.75	0.00	0.00	0.02	0.03
7.07	0.73	0.00	0.00	0.02	0.04	7.09	0.71	0.00	0.00	0.02	0.04
7.11	0.70	0.00	0.00	0.02	0.04	7.13	0.69	0.00	0.00	0.02	0.04
7.15	0.69	0.00	0.00	0.02	0.04	7.17	0.69	0.00	0.00	0.02	0.04
7.19	0.69	0.00	0.00	0.02	0.04	7.21	0.69	0.00	0.00	0.02	0.04
7.23	0.73	0.00	0.00	0.02	0.03	7.25	0.76	0.00	0.00	0.02	0.03
7.27	0.77	0.00	0.00	0.02	0.03	7.29	0.78	0.00	0.00	0.02	0.03
7.31	0.80	0.00	0.00	0.02	0.03	7.33	0.82	0.00	0.00	0.02	0.02
7.35	0.83	0.00	0.00	0.02	0.02	7.37	0.83	0.00	0.00	0.02	0.02
7.39	0.84	0.00	0.00	0.02	0.02	7.41	0.84	0.00	0.00	0.02	0.02
7.43	0.84	0.00	0.00	0.02	0.02	7.45	0.84	0.00	0.00	0.02	0.02
7.47	0.84	0.00	0.00	0.02	0.02	7.49	0.84	0.00	0.00	0.02	0.02
7.51	0.85	0.00	0.00	0.02	0.02	7.53	0.87	0.00	0.00	0.02	0.02
7.55	0.90	0.00	0.00	0.02	0.01	7.57	0.91	0.00	0.00	0.02	0.01
7.59	0.89	0.00	0.00	0.02	0.01	7.61	0.86	0.00	0.00	0.02	0.02
7.63	0.82	0.00	0.00	0.02	0.02	7.65	0.79	0.00	0.00	0.02	0.03
7.67	0.79	0.00	0.00	0.02	0.03	7.69	0.79	0.00	0.00	0.02	0.03
7.71	0.79	0.00	0.00	0.02	0.03	7.73	0.75	0.00	0.00	0.02	0.03
7.75	0.75	0.00	0.00	0.02	0.03	7.77	0.73	0.00	0.00	0.02	0.03
7.79	0.72	0.00	0.00	0.02	0.03	7.81	0.69	0.00	0.00	0.02	0.04
7.83	0.69	0.00	0.00	0.02	0.04	7.85	0.71	0.00	0.00	0.02	0.04
7.87	0.72	0.00	0.00	0.02	0.03	7.89	0.72	0.00	0.00	0.02	0.03
7.91	0.75	0.00	0.00	0.02	0.03	7.93	0.72	0.00	0.00	0.02	0.03
7.95	0.74	0.00	0.00	0.02	0.03	7.97	0.71	0.00	0.00	0.02	0.03
7.99	0.65	0.00	0.00	0.02	0.04	8.01	0.66	0.00	0.00	0.02	0.04
8.03	0.67	0.00	0.00	0.02	0.04	8.05	0.69	0.00	0.00	0.02	0.04
8.07	0.71	0.00	0.00	0.02	0.03	8.09	0.74	0.00	0.00	0.02	0.03
8.11	0.77	0.00	0.00	0.02	0.03	8.13	0.78	0.00	0.00	0.02	0.03
8.15	0.78	0.00	0.00	0.02	0.03	8.17	0.78	0.00	0.00	0.02	0.03
8.19	0.78	0.00	0.00	0.02	0.03	8.21	0.78	0.00	0.00	0.02	0.03
8.23	0.78	0.00	0.00	0.02	0.03	8.25	0.78	0.00	0.00	0.02	0.03
8.27	0.78	0.00	0.00	0.02	0.03	8.29	0.78	0.00	0.00	0.02	0.03
8.31	0.74	0.00	0.00	0.02	0.03	8.33	0.64	0.00	0.00	0.02	0.04
8.35	0.62	0.00	0.00	0.02	0.04	8.37	0.60	0.00	0.00	0.02	0.05
8.39	0.59	0.00	0.00	0.02	0.05	8.41	0.58	0.00	0.00	0.02	0.05
8.43	0.58	0.00	0.00	0.02	0.05	8.45	0.57	0.00	0.00	0.02	0.05
8.47	0.58	0.00	0.00	0.02	0.05	8.49	0.61	0.00	0.00	0.02	0.05
8.51	0.67	0.00	0.00	0.02	0.04	8.53	0.68	0.00	0.00	0.02	0.04
8.55	0.72	0.00	0.00	0.02	0.03	8.57	0.72	0.00	0.00	0.02	0.03
8.59	0.74	0.00	0.00	0.02	0.03	8.61	0.72	0.00	0.00	0.02	0.03
8.63	0.72	0.00	0.00	0.02	0.03	8.65	0.72	0.00	0.00	0.02	0.03
8.67	0.72	0.00	0.00	0.02	0.03	8.69	0.72	0.00	0.00	0.02	0.03
8.71	0.72	0.00	0.00	0.02	0.03	8.73	0.73	0.00	0.00	0.02	0.03
8.75	0.70	0.00	0.00	0.02	0.03	8.77	0.69	0.00	0.00	0.02	0.03
8.79	0.69	0.00	0.00	0.02	0.03	8.80	0.68	0.00	0.00	0.02	0.04
8.82	0.66	0.00	0.00	0.02	0.04	8.84	0.65	0.00	0.00	0.02	0.04

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.86	0.65	0.00	0.00	0.02	0.04	8.88	0.65	0.00	0.00	0.02	0.04
8.90	0.65	0.00	0.00	0.02	0.04	8.92	0.65	0.00	0.00	0.02	0.04
8.94	0.65	0.00	0.00	0.02	0.04	8.96	0.66	0.00	0.00	0.02	0.04
8.98	0.66	0.00	0.00	0.02	0.04	9.00	0.67	0.00	0.00	0.02	0.04
9.02	0.67	0.00	0.00	0.02	0.04	9.04	0.67	0.00	0.00	0.02	0.04
9.06	0.69	0.00	0.00	0.02	0.03	9.08	0.69	0.00	0.00	0.02	0.03
9.10	0.72	0.00	0.00	0.02	0.03	9.12	0.77	0.00	0.00	0.02	0.03
9.14	0.75	0.00	0.00	0.02	0.03	9.16	0.78	0.00	0.00	0.02	0.02
9.18	0.83	0.00	0.00	0.02	0.02	9.20	0.81	0.00	0.00	0.02	0.02
9.22	0.81	0.00	0.00	0.02	0.02	9.24	0.75	0.00	0.00	0.02	0.03
9.26	0.73	0.00	0.00	0.02	0.03	9.28	0.72	0.00	0.00	0.02	0.03
9.30	0.72	0.00	0.00	0.02	0.03	9.32	0.73	0.00	0.00	0.02	0.03
9.34	0.74	0.00	0.00	0.02	0.03	9.36	0.75	0.00	0.00	0.02	0.03
9.38	0.76	0.00	0.00	0.02	0.03	9.40	0.75	0.00	0.00	0.02	0.03
9.42	0.77	0.00	0.00	0.02	0.02	9.44	0.79	0.00	0.00	0.02	0.02
9.46	0.80	0.00	0.00	0.02	0.02	9.48	0.80	0.00	0.00	0.02	0.02
9.50	0.80	0.00	0.00	0.02	0.02	9.52	0.80	0.00	0.00	0.02	0.02
9.54	0.78	0.00	0.00	0.02	0.02	9.56	0.78	0.00	0.00	0.02	0.02
9.58	0.78	0.00	0.00	0.02	0.02	9.60	0.78	0.00	0.00	0.02	0.02
9.62	0.78	0.00	0.00	0.02	0.02	9.64	0.78	0.00	0.00	0.02	0.02
9.66	0.78	0.00	0.00	0.02	0.02	9.68	0.78	0.00	0.00	0.02	0.02
9.70	0.78	0.00	0.00	0.02	0.02	9.72	0.77	0.00	0.00	0.02	0.02
9.74	0.77	0.00	0.00	0.02	0.02	9.76	0.75	0.00	0.00	0.02	0.03
9.78	0.75	0.00	0.00	0.02	0.03	9.80	0.75	0.00	0.00	0.02	0.02
9.82	0.75	0.00	0.00	0.02	0.02	9.84	0.75	0.00	0.00	0.02	0.02
9.86	0.75	0.00	0.00	0.02	0.03	9.88	0.76	0.00	0.00	0.02	0.02
9.90	0.76	0.00	0.00	0.02	0.02	9.92	0.76	0.00	0.00	0.02	0.02
9.94	0.76	0.00	0.00	0.02	0.02	9.96	0.76	0.00	0.00	0.02	0.02
9.98	0.76	0.00	0.00	0.02	0.02	10.00	0.75	0.00	0.00	0.02	0.02
10.02	0.74	0.00	0.00	0.02	0.03	10.03	0.74	0.00	0.00	0.02	0.03
10.05	0.73	0.00	0.00	0.02	0.03	10.07	0.73	0.00	0.00	0.02	0.03
10.09	0.72	0.00	0.00	0.02	0.03	10.11	0.72	0.00	0.00	0.02	0.03
10.13	0.71	0.00	0.00	0.02	0.03	10.15	0.71	0.00	0.00	0.02	0.03
10.17	0.71	0.00	0.00	0.02	0.03	10.19	0.70	0.00	0.00	0.02	0.03
10.21	0.70	0.00	0.00	0.02	0.03	10.23	0.70	0.00	0.00	0.02	0.03
10.25	0.70	0.00	0.00	0.02	0.03	10.27	0.70	0.00	0.00	0.02	0.03
10.29	0.70	0.00	0.00	0.02	0.03	10.31	0.70	0.00	0.00	0.02	0.03
10.33	0.70	0.00	0.00	0.02	0.03	10.35	0.70	0.00	0.00	0.02	0.03
10.37	0.70	0.00	0.00	0.02	0.03	10.39	0.68	0.00	0.00	0.02	0.03
10.41	0.67	0.00	0.00	0.02	0.03	10.43	0.66	0.00	0.00	0.02	0.03
10.45	2.00	0.00	0.00	0.02	0.00	10.47	2.00	0.00	0.00	0.02	0.00
10.49	2.00	0.00	0.00	0.02	0.00	10.51	2.00	0.00	0.00	0.02	0.00
10.53	2.00	0.00	0.00	0.02	0.00	10.55	2.00	0.00	0.00	0.02	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.59	2.00	0.00	0.00	0.02	0.00
10.61	2.00	0.00	0.00	0.02	0.00	10.63	0.70	0.00	0.00	0.02	0.03
10.65	0.78	0.00	0.00	0.02	0.02	10.67	0.82	0.00	0.00	0.02	0.02
10.69	0.84	0.00	0.00	0.02	0.02	10.71	0.86	0.00	0.00	0.02	0.01
10.73	0.84	0.00	0.00	0.02	0.02	10.75	0.83	0.00	0.00	0.02	0.02
10.77	0.81	0.00	0.00	0.02	0.02	10.79	0.79	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.81	0.78	0.00	0.00	0.02	0.02	10.83	0.77	0.00	0.00	0.02	0.02
10.85	0.75	0.00	0.00	0.02	0.02	10.87	0.74	0.00	0.00	0.02	0.02
10.89	0.72	0.00	0.00	0.02	0.03	10.91	0.71	0.00	0.00	0.02	0.03
10.92	0.71	0.00	0.00	0.02	0.03	10.94	0.72	0.00	0.00	0.02	0.03
10.96	2.00	0.00	0.00	0.02	0.00	10.98	2.00	0.00	0.00	0.02	0.00
11.00	2.00	0.00	0.00	0.02	0.00	11.02	2.00	0.00	0.00	0.02	0.00
11.04	2.00	0.00	0.00	0.02	0.00						

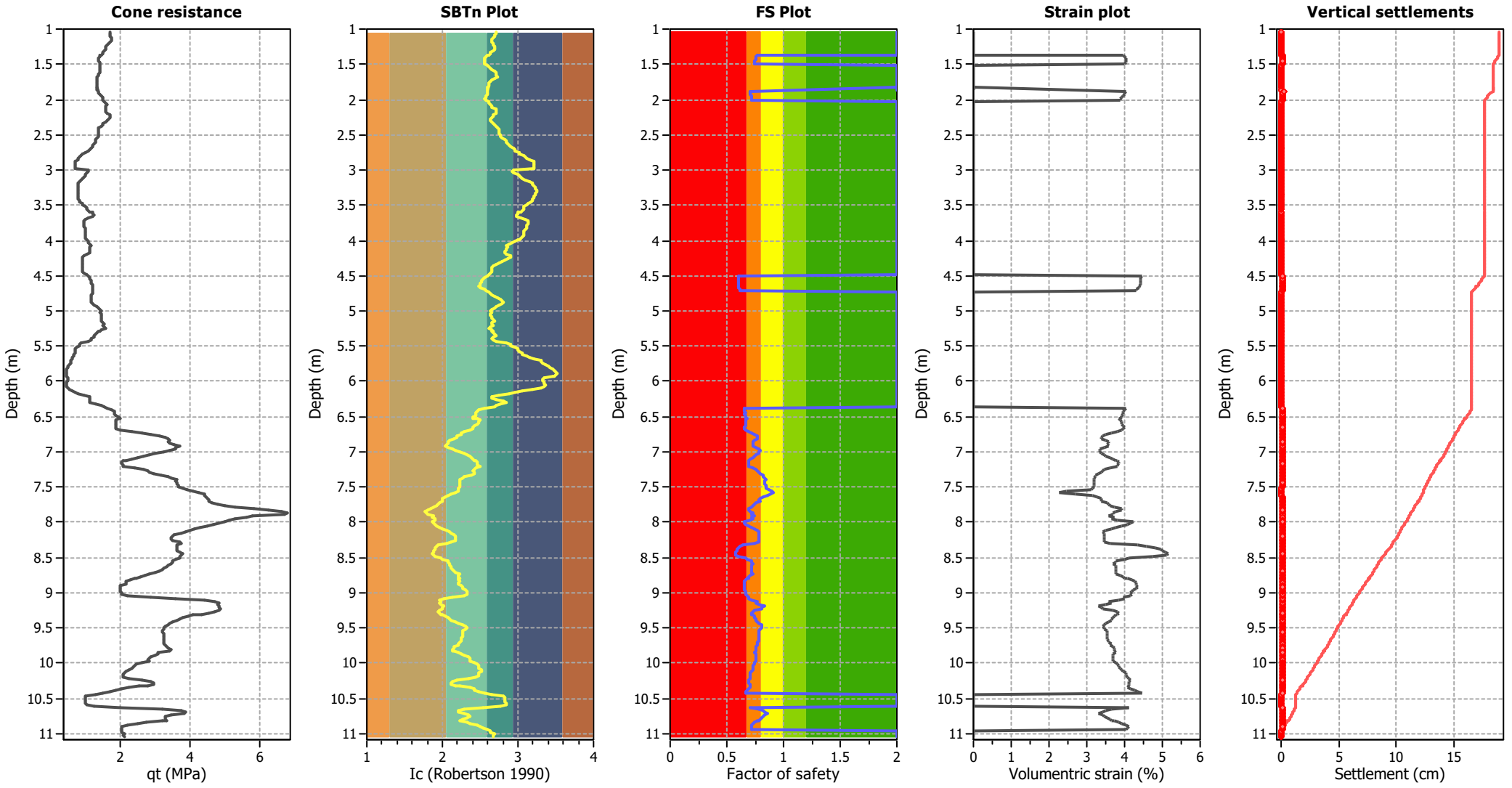
Overall liquefaction potential: 8.22

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.04	27.82	2.00	0.00	1.00	0.00	1.06	28.06	2.00	0.00	1.00	0.00
1.08	28.34	2.00	0.00	1.00	0.00	1.10	28.34	2.00	0.00	1.00	0.00
1.12	28.57	2.00	0.00	1.00	0.00	1.14	28.73	2.00	0.00	1.00	0.00
1.16	28.61	2.00	0.00	1.00	0.00	1.18	27.86	2.00	0.00	1.00	0.00
1.20	27.43	2.00	0.00	1.00	0.00	1.22	26.92	2.00	0.00	1.00	0.00
1.24	26.28	2.00	0.00	1.00	0.00	1.26	26.09	2.00	0.00	1.00	0.00
1.28	25.94	2.00	0.00	1.00	0.00	1.30	25.07	2.00	0.00	1.00	0.00
1.32	24.56	2.00	0.00	1.00	0.00	1.34	24.40	2.00	0.00	1.00	0.00
1.36	23.80	2.00	0.00	1.00	0.00	1.38	80.88	0.77	3.97	1.00	0.08
1.40	80.10	0.76	4.00	1.00	0.08	1.42	79.73	0.76	4.02	1.00	0.08
1.44	79.65	0.75	4.03	1.00	0.08	1.46	79.62	0.75	4.03	1.00	0.08
1.48	79.68	0.75	4.02	1.00	0.08	1.50	79.79	0.74	4.02	1.00	0.08
1.52	23.03	2.00	0.00	1.00	0.00	1.54	23.05	2.00	0.00	1.00	0.00
1.56	23.21	2.00	0.00	1.00	0.00	1.58	23.25	2.00	0.00	1.00	0.00
1.60	23.09	2.00	0.00	1.00	0.00	1.62	23.13	2.00	0.00	1.00	0.00
1.64	22.74	2.00	0.00	1.00	0.00	1.66	22.30	2.00	0.00	1.00	0.00
1.68	22.02	2.00	0.00	1.00	0.00	1.70	22.02	2.00	0.00	1.00	0.00
1.72	22.04	2.00	0.00	1.00	0.00	1.74	22.05	2.00	0.00	1.00	0.00
1.76	22.03	2.00	0.00	1.00	0.00	1.78	22.02	2.00	0.00	1.00	0.00
1.80	22.03	2.00	0.00	1.00	0.00	1.87	22.03	2.00	0.00	1.00	0.00
1.87	22.03	2.00	0.00	1.00	0.00	1.82	22.06	2.00	0.00	1.00	0.00
1.88	79.76	0.71	4.02	1.00	0.24	1.90	79.99	0.71	4.01	1.00	0.08
1.92	80.22	0.71	4.00	1.00	0.08	1.94	81.07	0.71	3.96	1.00	0.08
1.96	81.98	0.72	3.92	1.00	0.08	1.98	82.43	0.72	3.89	1.00	0.08
2.00	82.71	0.72	3.88	1.00	0.08	2.02	24.94	2.00	0.00	1.00	0.00
2.04	25.09	2.00	0.00	1.00	0.00	2.06	25.68	2.00	0.00	1.00	0.00
2.08	26.34	2.00	0.00	1.00	0.00	2.10	25.90	2.00	0.00	1.00	0.00
2.12	26.05	2.00	0.00	1.00	0.00	2.14	25.91	2.00	0.00	1.00	0.00
2.16	26.03	2.00	0.00	1.00	0.00	2.18	26.14	2.00	0.00	1.00	0.00
2.20	26.41	2.00	0.00	1.00	0.00	2.22	27.78	2.00	0.00	1.00	0.00
2.24	27.85	2.00	0.00	1.00	0.00	2.26	27.83	2.00	0.00	1.00	0.00
2.28	27.42	2.00	0.00	1.00	0.00	2.30	26.62	2.00	0.00	1.00	0.00
2.32	25.69	2.00	0.00	1.00	0.00	2.34	24.80	2.00	0.00	1.00	0.00
2.36	24.15	2.00	0.00	1.00	0.00	2.38	23.46	2.00	0.00	1.00	0.00
2.40	22.62	2.00	0.00	1.00	0.00	2.42	22.21	2.00	0.00	1.00	0.00
2.44	22.00	2.00	0.00	1.00	0.00	2.46	21.98	2.00	0.00	1.00	0.00
2.48	22.15	2.00	0.00	1.00	0.00	2.50	22.32	2.00	0.00	1.00	0.00
2.52	22.35	2.00	0.00	1.00	0.00	2.54	21.81	2.00	0.00	1.00	0.00
2.56	20.96	2.00	0.00	1.00	0.00	2.58	20.71	2.00	0.00	1.00	0.00
2.60	20.85	2.00	0.00	1.00	0.00	2.62	20.52	2.00	0.00	1.00	0.00
2.64	19.79	2.00	0.00	1.00	0.00	2.66	19.66	2.00	0.00	1.00	0.00
2.68	19.04	2.00	0.00	1.00	0.00	2.70	18.87	2.00	0.00	1.00	0.00
2.72	17.87	2.00	0.00	1.00	0.00	2.74	17.18	2.00	0.00	1.00	0.00
2.76	15.70	2.00	0.00	1.00	0.00	2.78	14.86	2.00	0.00	1.00	0.00
2.80	13.66	2.00	0.00	1.00	0.00	2.82	13.01	2.00	0.00	1.00	0.00
2.84	12.68	2.00	0.00	1.00	0.00	2.86	12.12	2.00	0.00	1.00	0.00
2.88	11.11	2.00	0.00	1.00	0.00	2.90	10.95	2.00	0.00	1.00	0.00
2.92	10.95	2.00	0.00	1.00	0.00	2.94	10.94	2.00	0.00	1.00	0.00
2.96	10.98	2.00	0.00	1.00	0.00	2.98	11.02	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.00	16.36	2.00	0.00	1.00	0.00	3.02	16.76	2.00	0.00	1.00	0.00
3.04	16.24	2.00	0.00	1.00	0.00	3.06	15.13	2.00	0.00	1.00	0.00
3.08	15.09	2.00	0.00	1.00	0.00	3.10	14.90	2.00	0.00	1.00	0.00
3.12	14.30	2.00	0.00	1.00	0.00	3.14	13.47	2.00	0.00	1.00	0.00
3.16	12.43	2.00	0.00	1.00	0.00	3.18	11.92	2.00	0.00	1.00	0.00
3.20	11.84	2.00	0.00	1.00	0.00	3.22	11.80	2.00	0.00	1.00	0.00
3.24	11.79	2.00	0.00	1.00	0.00	3.26	11.78	2.00	0.00	1.00	0.00
3.28	11.81	2.00	0.00	1.00	0.00	3.30	11.78	2.00	0.00	1.00	0.00
3.32	11.76	2.00	0.00	1.00	0.00	3.34	11.76	2.00	0.00	1.00	0.00
3.36	11.76	2.00	0.00	1.00	0.00	3.38	11.77	2.00	0.00	1.00	0.00
3.40	11.80	2.00	0.00	1.00	0.00	3.42	12.11	2.00	0.00	1.00	0.00
3.44	12.34	2.00	0.00	1.00	0.00	3.46	12.76	2.00	0.00	1.00	0.00
3.48	13.75	2.00	0.00	1.00	0.00	3.50	14.02	2.00	0.00	1.00	0.00
3.52	15.19	2.00	0.00	1.00	0.00	3.54	15.62	2.00	0.00	1.00	0.00
3.56	16.16	2.00	0.00	1.00	0.00	3.59	17.34	2.00	0.00	1.00	0.00
3.60	18.64	2.00	0.00	1.00	0.00	3.62	19.02	2.00	0.00	1.00	0.00
3.64	19.45	2.00	0.00	1.00	0.00	3.66	18.96	2.00	0.00	1.00	0.00
3.68	17.09	2.00	0.00	1.00	0.00	3.70	15.77	2.00	0.00	1.00	0.00
3.72	15.05	2.00	0.00	1.00	0.00	3.74	15.06	2.00	0.00	1.00	0.00
3.76	15.07	2.00	0.00	1.00	0.00	3.78	15.11	2.00	0.00	1.00	0.00
3.80	15.20	2.00	0.00	1.00	0.00	3.82	15.56	2.00	0.00	1.00	0.00
3.84	15.75	2.00	0.00	1.00	0.00	3.86	15.57	2.00	0.00	1.00	0.00
3.88	15.52	2.00	0.00	1.00	0.00	3.90	15.53	2.00	0.00	1.00	0.00
3.92	15.54	2.00	0.00	1.00	0.00	3.94	15.57	2.00	0.00	1.00	0.00
3.96	15.62	2.00	0.00	1.00	0.00	3.98	15.82	2.00	0.00	1.00	0.00
4.00	16.02	2.00	0.00	1.00	0.00	4.02	16.33	2.00	0.00	1.00	0.00
4.04	16.57	2.00	0.00	1.00	0.00	4.06	17.12	2.00	0.00	1.00	0.00
4.08	17.87	2.00	0.00	1.00	0.00	4.10	17.31	2.00	0.00	1.00	0.00
4.12	17.27	2.00	0.00	1.00	0.00	4.14	17.24	2.00	0.00	1.00	0.00
4.16	17.25	2.00	0.00	1.00	0.00	4.18	17.20	2.00	0.00	1.00	0.00
4.20	15.93	2.00	0.00	1.00	0.00	4.22	14.49	2.00	0.00	1.00	0.00
4.24	13.73	2.00	0.00	1.00	0.00	4.26	13.72	2.00	0.00	1.00	0.00
4.28	13.71	2.00	0.00	1.00	0.00	4.30	13.70	2.00	0.00	1.00	0.00
4.32	13.70	2.00	0.00	1.00	0.00	4.34	13.70	2.00	0.00	1.00	0.00
4.36	13.70	2.00	0.00	1.00	0.00	4.38	13.70	2.00	0.00	1.00	0.00
4.40	13.70	2.00	0.00	1.00	0.00	4.42	13.71	2.00	0.00	1.00	0.00
4.44	13.75	2.00	0.00	1.00	0.00	4.46	14.53	2.00	0.00	1.00	0.00
4.48	15.43	2.00	0.00	1.00	0.00	4.50	71.58	0.60	4.46	1.00	0.09
4.52	72.02	0.60	4.43	1.00	0.09	4.54	71.94	0.60	4.43	1.00	0.09
4.56	72.00	0.60	4.43	1.00	0.09	4.58	72.02	0.60	4.43	1.00	0.09
4.60	72.25	0.60	4.42	1.00	0.09	4.62	72.46	0.61	4.40	1.00	0.09
4.64	72.78	0.61	4.39	1.00	0.09	4.66	72.62	0.61	4.40	1.00	0.09
4.68	72.93	0.61	4.38	1.00	0.09	4.70	73.88	0.61	4.32	1.00	0.09
4.72	74.39	0.62	4.30	1.00	0.09	4.74	18.46	2.00	0.00	1.00	0.00
4.76	18.18	2.00	0.00	1.00	0.00	4.78	17.54	2.00	0.00	1.00	0.00
4.80	17.49	2.00	0.00	1.00	0.00	4.82	17.44	2.00	0.00	1.00	0.00
4.84	17.39	2.00	0.00	1.00	0.00	4.86	17.35	2.00	0.00	1.00	0.00
4.88	17.45	2.00	0.00	1.00	0.00	4.90	17.78	2.00	0.00	1.00	0.00
4.92	18.70	2.00	0.00	1.00	0.00	4.94	19.57	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.96	20.51	2.00	0.00	1.00	0.00	4.98	21.45	2.00	0.00	1.00	0.00
5.00	21.92	2.00	0.00	1.00	0.00	5.02	21.41	2.00	0.00	1.00	0.00
5.04	21.84	2.00	0.00	1.00	0.00	5.06	22.04	2.00	0.00	1.00	0.00
5.08	21.85	2.00	0.00	1.00	0.00	5.10	21.85	2.00	0.00	1.00	0.00
5.12	21.85	2.00	0.00	1.00	0.00	5.14	21.89	2.00	0.00	1.00	0.00
5.16	22.33	2.00	0.00	1.00	0.00	5.19	22.82	2.00	0.00	1.00	0.00
5.20	22.37	2.00	0.00	1.00	0.00	5.22	22.99	2.00	0.00	1.00	0.00
5.24	23.05	2.00	0.00	1.00	0.00	5.26	21.57	2.00	0.00	1.00	0.00
5.28	20.54	2.00	0.00	1.00	0.00	5.30	20.26	2.00	0.00	1.00	0.00
5.32	19.30	2.00	0.00	1.00	0.00	5.34	18.61	2.00	0.00	1.00	0.00
5.36	17.92	2.00	0.00	1.00	0.00	5.38	18.09	2.00	0.00	1.00	0.00
5.40	17.01	2.00	0.00	1.00	0.00	5.42	16.76	2.00	0.00	1.00	0.00
5.44	15.40	2.00	0.00	1.00	0.00	5.46	12.84	2.00	0.00	1.00	0.00
5.48	11.69	2.00	0.00	1.00	0.00	5.50	11.63	2.00	0.00	1.00	0.00
5.52	10.80	2.00	0.00	1.00	0.00	5.54	10.24	2.00	0.00	1.00	0.00
5.56	10.21	2.00	0.00	1.00	0.00	5.58	9.94	2.00	0.00	1.00	0.00
5.60	9.63	2.00	0.00	1.00	0.00	5.62	9.32	2.00	0.00	1.00	0.00
5.64	8.98	2.00	0.00	1.00	0.00	5.66	8.70	2.00	0.00	1.00	0.00
5.68	8.43	2.00	0.00	1.00	0.00	5.70	8.20	2.00	0.00	1.00	0.00
5.72	7.93	2.00	0.00	1.00	0.00	5.74	7.59	2.00	0.00	1.00	0.00
5.76	7.04	2.00	0.00	1.00	0.00	5.78	6.63	2.00	0.00	1.00	0.00
5.80	6.40	2.00	0.00	1.00	0.00	5.82	6.03	2.00	0.00	1.00	0.00
5.84	5.95	2.00	0.00	1.00	0.00	5.86	5.94	2.00	0.00	1.00	0.00
5.88	5.93	2.00	0.00	1.00	0.00	5.90	5.92	2.00	0.00	1.00	0.00
5.92	5.94	2.00	0.00	1.00	0.00	5.94	6.06	2.00	0.00	1.00	0.00
5.96	6.45	2.00	0.00	1.00	0.00	5.98	6.34	2.00	0.00	1.00	0.00
6.00	6.19	2.00	0.00	1.00	0.00	6.02	6.09	2.00	0.00	1.00	0.00
6.04	6.07	2.00	0.00	1.00	0.00	6.06	6.06	2.00	0.00	1.00	0.00
6.08	6.05	2.00	0.00	1.00	0.00	6.10	6.05	2.00	0.00	1.00	0.00
6.12	6.99	2.00	0.00	1.00	0.00	6.14	8.20	2.00	0.00	1.00	0.00
6.16	9.37	2.00	0.00	1.00	0.00	6.18	10.77	2.00	0.00	1.00	0.00
6.20	12.96	2.00	0.00	1.00	0.00	6.22	15.16	2.00	0.00	1.00	0.00
6.24	15.55	2.00	0.00	1.00	0.00	6.26	15.34	2.00	0.00	1.00	0.00
6.28	15.36	2.00	0.00	1.00	0.00	6.30	15.56	2.00	0.00	1.00	0.00
6.32	17.90	2.00	0.00	1.00	0.00	6.34	19.89	2.00	0.00	1.00	0.00
6.36	21.39	2.00	0.00	1.00	0.00	6.38	79.38	0.65	4.04	1.00	0.08
6.40	80.24	0.65	4.00	1.00	0.08	6.42	80.94	0.66	3.96	1.00	0.08
6.44	81.24	0.66	3.95	1.00	0.08	6.46	81.01	0.66	3.96	1.00	0.08
6.48	81.43	0.66	3.94	1.00	0.08	6.50	82.19	0.67	3.91	1.00	0.08
6.52	82.79	0.67	3.88	1.00	0.08	6.54	83.30	0.68	3.85	1.00	0.08
6.56	82.66	0.67	3.88	1.00	0.08	6.58	82.19	0.67	3.91	1.00	0.08
6.60	82.00	0.67	3.91	1.00	0.08	6.62	81.47	0.66	3.94	1.00	0.08
6.64	80.86	0.66	3.97	1.00	0.08	6.66	80.55	0.66	3.98	1.00	0.08
6.68	80.69	0.66	3.98	1.00	0.08	6.70	81.92	0.67	3.92	1.00	0.08
6.72	84.69	0.69	3.79	1.00	0.08	6.74	88.07	0.71	3.65	1.00	0.07
6.76	91.98	0.74	3.50	1.00	0.07	6.78	94.09	0.76	3.42	1.00	0.07
6.80	95.25	0.77	3.38	1.00	0.07	6.82	95.20	0.77	3.38	1.00	0.07
6.84	91.52	0.74	3.51	1.00	0.07	6.86	90.27	0.73	3.56	1.00	0.07
6.88	90.33	0.73	3.56	1.00	0.07	6.90	90.41	0.73	3.56	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.92	90.37	0.73	3.56	1.00	0.07	6.94	92.94	0.76	3.46	1.00	0.07
6.96	96.07	0.78	3.35	1.00	0.07	6.97	96.59	0.79	3.33	1.00	0.07
6.99	96.33	0.79	3.34	1.00	0.07	7.01	95.13	0.78	3.38	1.00	0.07
7.03	93.22	0.76	3.45	1.00	0.07	7.05	91.49	0.75	3.51	1.00	0.07
7.07	89.06	0.73	3.61	1.00	0.07	7.09	87.11	0.71	3.69	1.00	0.07
7.11	84.96	0.70	3.78	1.00	0.08	7.13	84.14	0.69	3.82	1.00	0.08
7.15	83.73	0.69	3.84	1.00	0.08	7.17	83.72	0.69	3.84	1.00	0.08
7.19	83.96	0.69	3.83	1.00	0.08	7.21	84.43	0.69	3.80	1.00	0.08
7.23	89.06	0.73	3.61	1.00	0.07	7.25	92.52	0.76	3.48	1.00	0.07
7.27	94.06	0.77	3.42	1.00	0.07	7.29	94.92	0.78	3.39	1.00	0.07
7.31	96.92	0.80	3.32	1.00	0.07	7.33	99.04	0.82	3.24	1.00	0.06
7.35	99.63	0.83	3.23	1.00	0.06	7.37	100.22	0.83	3.21	1.00	0.06
7.39	100.90	0.84	3.18	1.00	0.06	7.41	100.52	0.84	3.20	1.00	0.06
7.43	100.50	0.84	3.20	1.00	0.06	7.45	100.55	0.84	3.20	1.00	0.06
7.47	100.81	0.84	3.19	1.00	0.06	7.49	100.94	0.84	3.18	1.00	0.06
7.51	101.70	0.85	3.16	1.00	0.06	7.53	103.22	0.87	3.11	1.00	0.06
7.55	105.53	0.90	2.46	1.00	0.05	7.57	106.19	0.91	2.27	1.00	0.05
7.59	104.83	0.89	2.68	1.00	0.05	7.61	102.33	0.86	3.14	1.00	0.06
7.63	98.28	0.82	3.27	1.00	0.07	7.65	95.20	0.79	3.38	1.00	0.07
7.67	94.96	0.79	3.39	1.00	0.07	7.69	94.78	0.79	3.39	1.00	0.07
7.71	95.06	0.79	3.38	1.00	0.07	7.73	90.95	0.75	3.54	1.00	0.07
7.75	89.90	0.75	3.58	1.00	0.07	7.77	88.50	0.73	3.63	1.00	0.07
7.79	86.01	0.72	3.74	1.00	0.07	7.81	81.96	0.69	3.92	1.00	0.08
7.83	81.90	0.69	3.92	1.00	0.08	7.85	84.83	0.71	3.79	1.00	0.08
7.87	87.00	0.72	3.69	1.00	0.07	7.89	86.83	0.72	3.70	1.00	0.07
7.91	89.53	0.75	3.59	1.00	0.07	7.93	86.28	0.72	3.72	1.00	0.07
7.95	88.35	0.74	3.64	1.00	0.07	7.97	84.56	0.71	3.80	1.00	0.08
7.99	75.60	0.65	4.23	1.00	0.08	8.01	76.72	0.66	4.17	1.00	0.08
8.03	78.51	0.67	4.08	1.00	0.08	8.05	81.91	0.69	3.92	1.00	0.08
8.07	85.16	0.71	3.77	1.00	0.08	8.09	88.31	0.74	3.64	1.00	0.07
8.11	92.33	0.77	3.48	1.00	0.07	8.13	93.71	0.78	3.43	1.00	0.07
8.15	93.10	0.78	3.45	1.00	0.07	8.17	92.91	0.78	3.46	1.00	0.07
8.19	92.59	0.78	3.47	1.00	0.07	8.21	92.61	0.78	3.47	1.00	0.07
8.23	92.64	0.78	3.47	1.00	0.07	8.25	93.30	0.78	3.45	1.00	0.07
8.27	93.41	0.78	3.44	1.00	0.07	8.29	92.53	0.78	3.48	1.00	0.07
8.31	88.52	0.74	3.63	1.00	0.07	8.33	73.46	0.64	4.35	1.00	0.09
8.35	69.65	0.62	4.57	1.00	0.09	8.37	66.18	0.60	4.79	1.00	0.10
8.39	63.50	0.59	4.97	1.00	0.10	8.41	63.22	0.58	4.99	1.00	0.10
8.43	62.23	0.58	5.07	1.00	0.10	8.45	61.18	0.57	5.14	1.00	0.10
8.47	61.47	0.58	5.12	1.00	0.10	8.49	67.07	0.61	4.73	1.00	0.09
8.51	77.58	0.67	4.13	1.00	0.08	8.53	80.02	0.68	4.01	1.00	0.08
8.55	85.42	0.72	3.76	1.00	0.07	8.57	85.57	0.72	3.76	1.00	0.07
8.59	86.98	0.74	3.70	1.00	0.07	8.61	85.50	0.72	3.76	1.00	0.07
8.63	85.40	0.72	3.76	1.00	0.07	8.65	85.33	0.72	3.77	1.00	0.07
8.67	85.20	0.72	3.77	1.00	0.07	8.69	85.14	0.72	3.77	1.00	0.07
8.71	85.26	0.72	3.77	1.00	0.07	8.73	85.48	0.73	3.76	1.00	0.07
8.75	82.62	0.70	3.89	1.00	0.08	8.77	80.76	0.69	3.97	1.00	0.08
8.79	79.90	0.69	4.01	1.00	0.08	8.80	78.24	0.68	4.10	1.00	0.08
8.82	76.37	0.66	4.19	1.00	0.08	8.84	74.84	0.65	4.27	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.86	74.24	0.65	4.31	1.00	0.09	8.88	74.27	0.65	4.30	1.00	0.09
8.90	73.88	0.65	4.32	1.00	0.09	8.92	73.84	0.65	4.33	1.00	0.09
8.94	73.96	0.65	4.32	1.00	0.09	8.96	75.30	0.66	4.25	1.00	0.08
8.98	76.15	0.66	4.20	1.00	0.08	9.00	76.75	0.67	4.17	1.00	0.08
9.02	76.69	0.67	4.17	1.00	0.08	9.04	77.47	0.67	4.13	1.00	0.08
9.06	80.67	0.69	3.98	1.00	0.08	9.08	79.85	0.69	4.02	1.00	0.08
9.10	83.82	0.72	3.83	1.00	0.08	9.12	90.09	0.77	3.57	1.00	0.07
9.14	88.36	0.75	3.64	1.00	0.07	9.16	91.81	0.78	3.50	1.00	0.07
9.18	97.13	0.83	3.31	1.00	0.07	9.20	94.81	0.81	3.39	1.00	0.07
9.22	94.23	0.81	3.41	1.00	0.07	9.24	87.22	0.75	3.69	1.00	0.07
9.26	84.35	0.73	3.81	1.00	0.08	9.28	83.38	0.72	3.85	1.00	0.08
9.30	83.99	0.72	3.82	1.00	0.08	9.32	85.06	0.73	3.78	1.00	0.07
9.34	86.33	0.74	3.72	1.00	0.07	9.36	87.28	0.75	3.68	1.00	0.07
9.38	88.28	0.76	3.64	1.00	0.07	9.40	87.76	0.75	3.66	1.00	0.07
9.42	90.06	0.77	3.57	1.00	0.07	9.44	91.65	0.79	3.51	1.00	0.07
9.46	93.09	0.80	3.45	1.00	0.07	9.48	93.42	0.80	3.44	1.00	0.07
9.50	93.36	0.80	3.44	1.00	0.07	9.52	92.52	0.80	3.48	1.00	0.07
9.54	90.78	0.78	3.54	1.00	0.07	9.56	90.57	0.78	3.55	1.00	0.07
9.58	90.61	0.78	3.55	1.00	0.07	9.60	90.65	0.78	3.55	1.00	0.07
9.62	90.83	0.78	3.54	1.00	0.07	9.64	90.64	0.78	3.55	1.00	0.07
9.66	90.40	0.78	3.56	1.00	0.07	9.68	89.95	0.78	3.57	1.00	0.07
9.70	89.47	0.78	3.59	1.00	0.07	9.72	88.26	0.77	3.64	1.00	0.07
9.74	88.49	0.77	3.63	1.00	0.07	9.76	86.67	0.75	3.71	1.00	0.07
9.78	86.45	0.75	3.72	1.00	0.07	9.80	86.56	0.75	3.71	1.00	0.07
9.82	86.46	0.75	3.72	1.00	0.07	9.84	86.54	0.75	3.71	1.00	0.07
9.86	85.45	0.75	3.76	1.00	0.07	9.88	87.01	0.76	3.69	1.00	0.07
9.90	87.34	0.76	3.68	1.00	0.07	9.92	87.39	0.76	3.68	1.00	0.07
9.94	87.21	0.76	3.69	1.00	0.07	9.96	86.93	0.76	3.70	1.00	0.07
9.98	87.15	0.76	3.69	1.00	0.07	10.00	85.38	0.75	3.76	1.00	0.07
10.02	84.26	0.74	3.81	1.00	0.08	10.03	83.78	0.74	3.83	1.00	0.08
10.05	83.44	0.73	3.85	1.00	0.08	10.07	82.80	0.73	3.88	1.00	0.08
10.09	81.99	0.72	3.92	1.00	0.08	10.11	80.77	0.72	3.97	1.00	0.08
10.13	79.51	0.71	4.03	1.00	0.08	10.15	79.19	0.71	4.05	1.00	0.08
10.17	79.10	0.71	4.05	1.00	0.08	10.19	78.30	0.70	4.09	1.00	0.08
10.21	78.21	0.70	4.10	1.00	0.08	10.23	77.45	0.70	4.14	1.00	0.08
10.25	77.50	0.70	4.13	1.00	0.08	10.27	77.67	0.70	4.12	1.00	0.08
10.29	77.83	0.70	4.12	1.00	0.08	10.31	78.16	0.70	4.10	1.00	0.08
10.33	78.19	0.70	4.10	1.00	0.08	10.35	78.57	0.70	4.08	1.00	0.08
10.37	77.09	0.70	4.15	1.00	0.08	10.39	74.56	0.68	4.29	1.00	0.08
10.41	73.28	0.67	4.36	1.00	0.09	10.43	71.57	0.66	4.46	1.00	0.09
10.45	14.46	2.00	0.00	1.00	0.00	10.47	11.08	2.00	0.00	1.00	0.00
10.49	10.78	2.00	0.00	1.00	0.00	10.51	10.75	2.00	0.00	1.00	0.00
10.53	10.72	2.00	0.00	1.00	0.00	10.55	10.72	2.00	0.00	1.00	0.00
10.57	10.72	2.00	0.00	1.00	0.00	10.59	11.03	2.00	0.00	1.00	0.00
10.61	13.60	2.00	0.00	1.00	0.00	10.63	77.86	0.70	4.11	1.00	0.08
10.65	88.27	0.78	3.64	1.00	0.07	10.67	92.15	0.82	3.49	1.00	0.07
10.69	93.99	0.84	3.42	1.00	0.07	10.71	96.65	0.86	3.33	1.00	0.07
10.73	93.88	0.84	3.43	1.00	0.07	10.75	92.68	0.83	3.47	1.00	0.07
10.77	91.24	0.81	3.52	1.00	0.07	10.79	88.96	0.79	3.61	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.81	87.64	0.78	3.67	1.00	0.07	10.83	85.79	0.77	3.75	1.00	0.07
10.85	83.14	0.75	3.86	1.00	0.08	10.87	81.68	0.74	3.93	1.00	0.08
10.89	79.33	0.72	4.04	1.00	0.08	10.91	78.10	0.71	4.10	1.00	0.08
10.92	78.48	0.71	4.08	1.00	0.08	10.94	79.13	0.72	4.05	1.00	0.08
10.96	22.05	2.00	0.00	1.00	0.00	10.98	22.06	2.00	0.00	1.00	0.00
11.00	23.05	2.00	0.00	1.00	0.00	11.02	22.60	2.00	0.00	1.00	0.00
11.04	22.84	2.00	0.00	1.00	0.00						

Total estimated settlement: 18.90

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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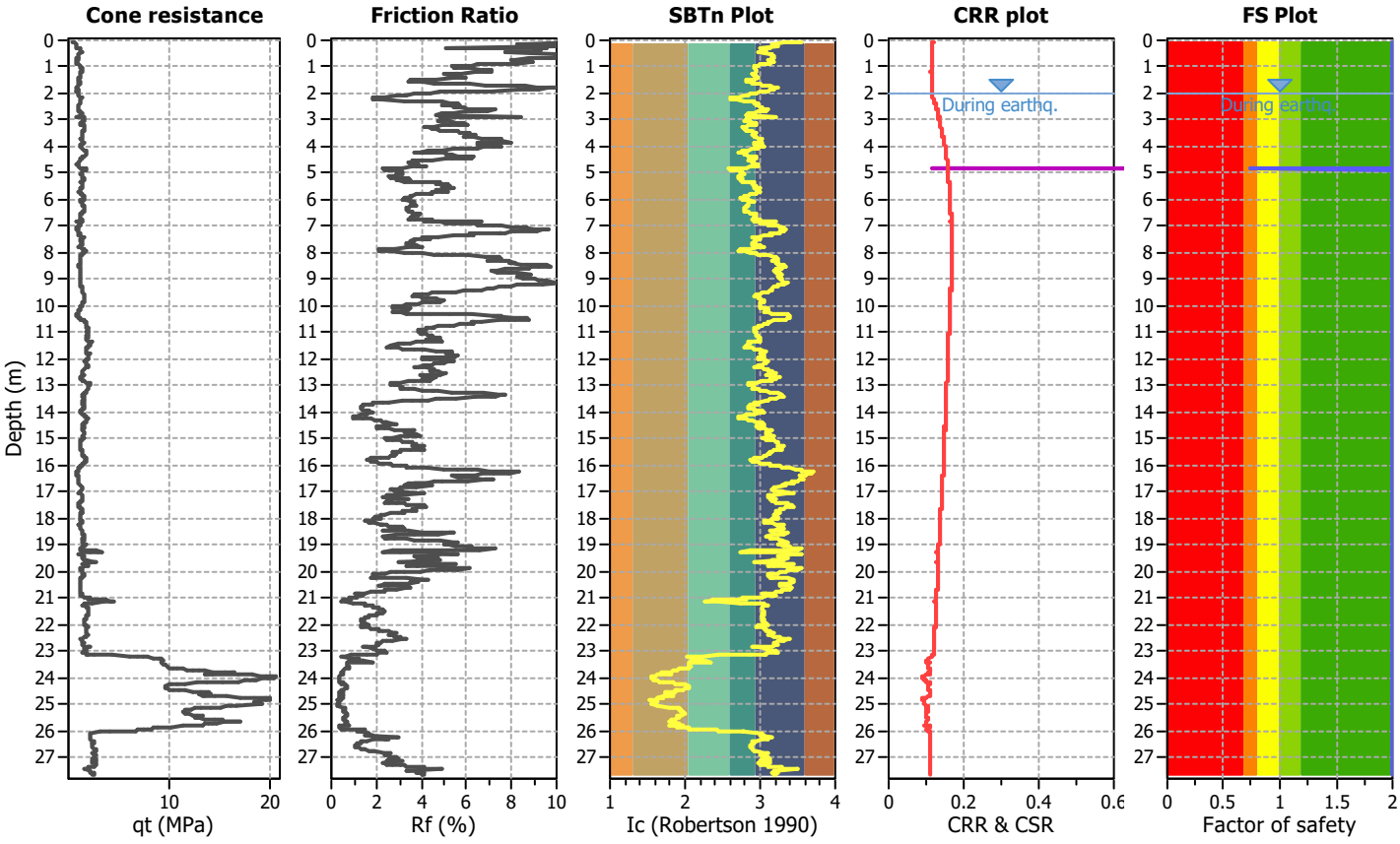
LIQUEFACTION ANALYSIS REPORT

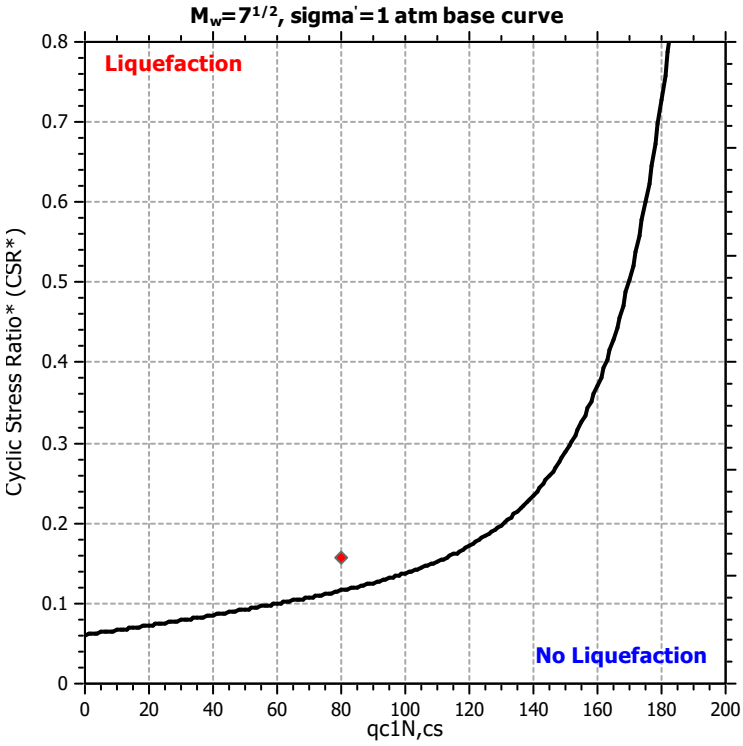
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

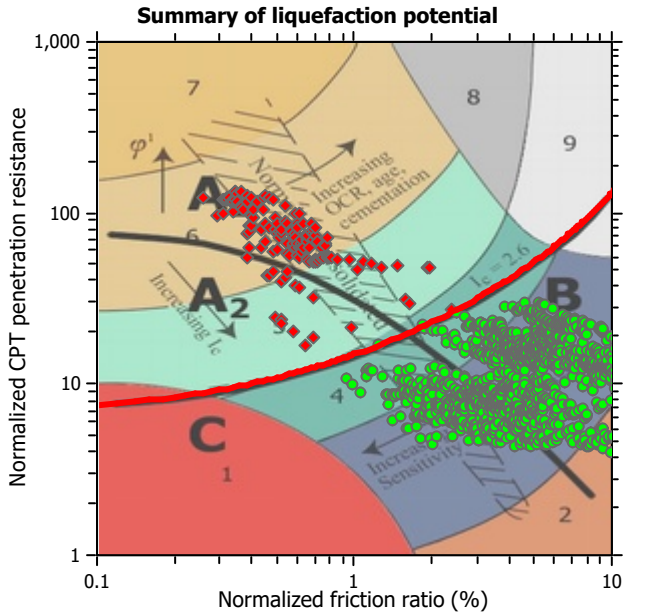
CPT file : P299 - SCPTu-5

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.16	Unit weight calculation:	Based on SBT	K_σ applied:	No		

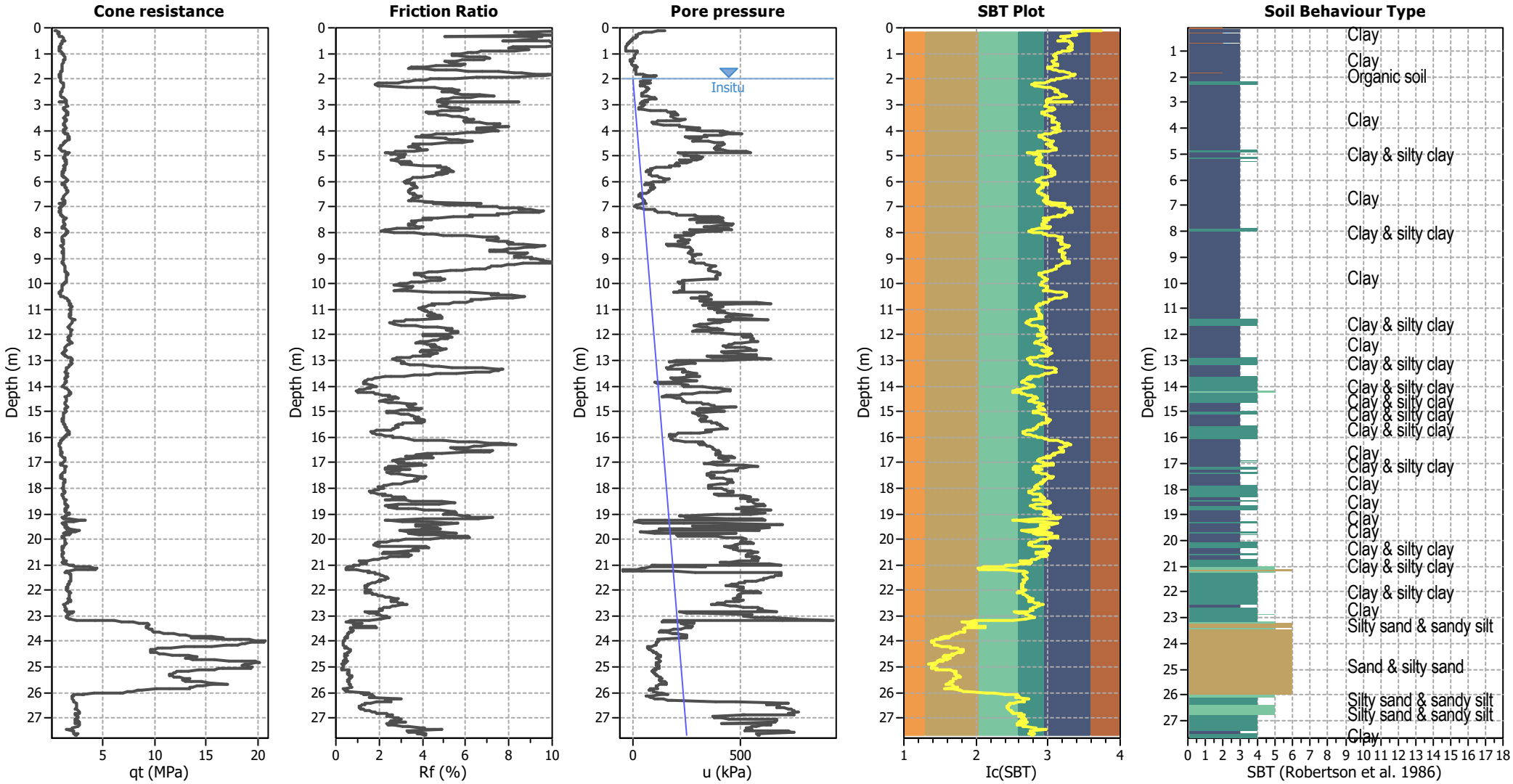






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



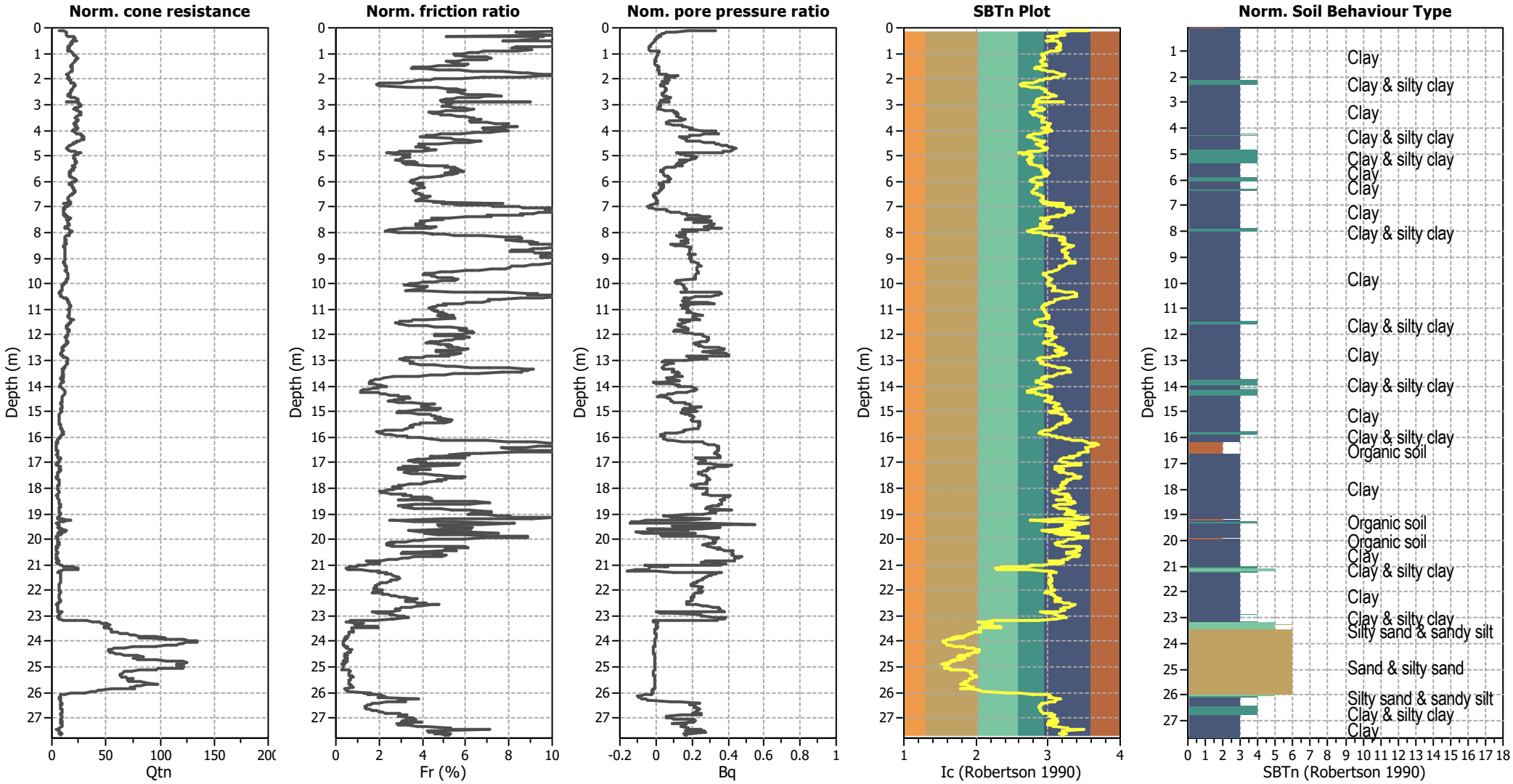
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



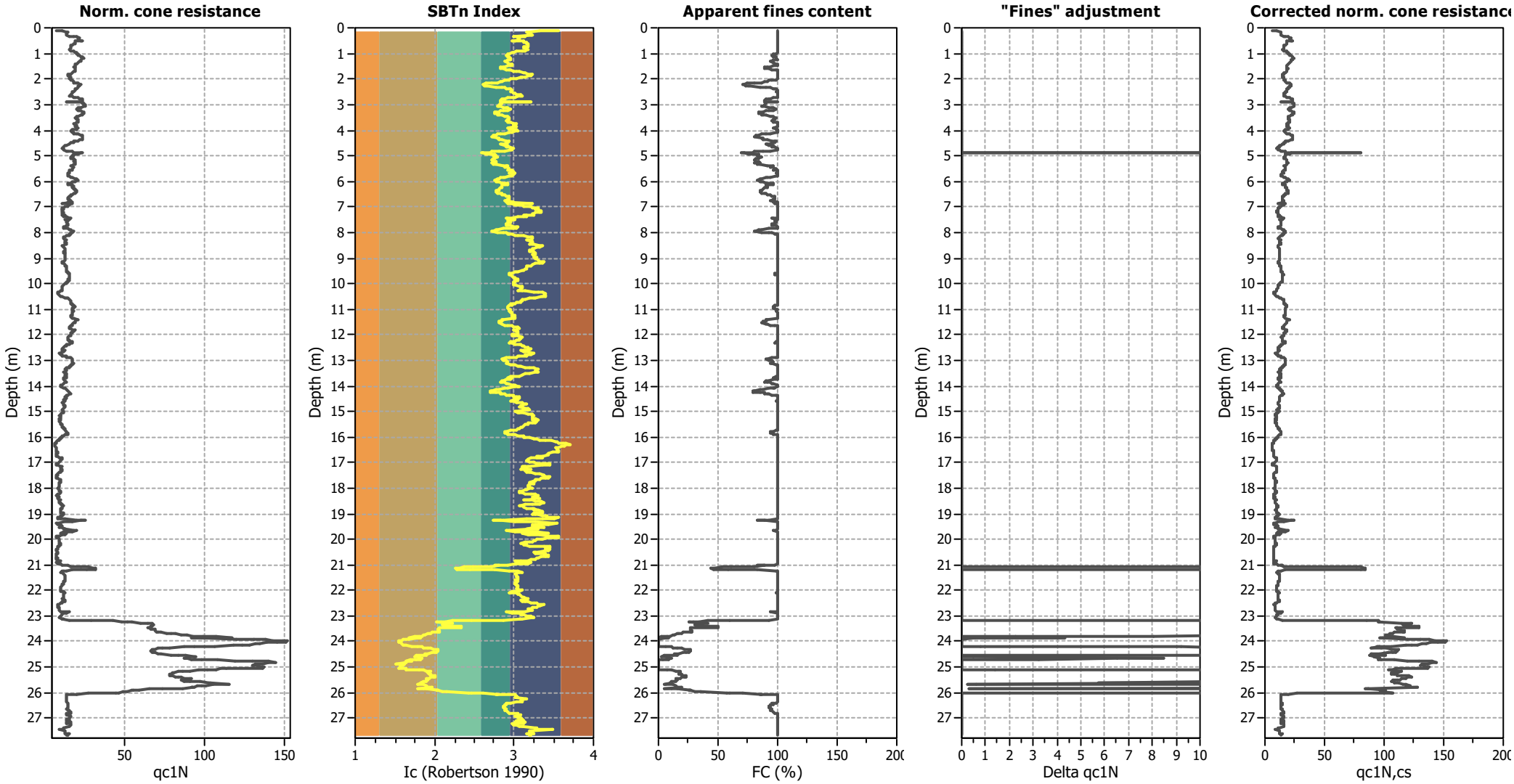
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to clay
9. Very stiff fine grained

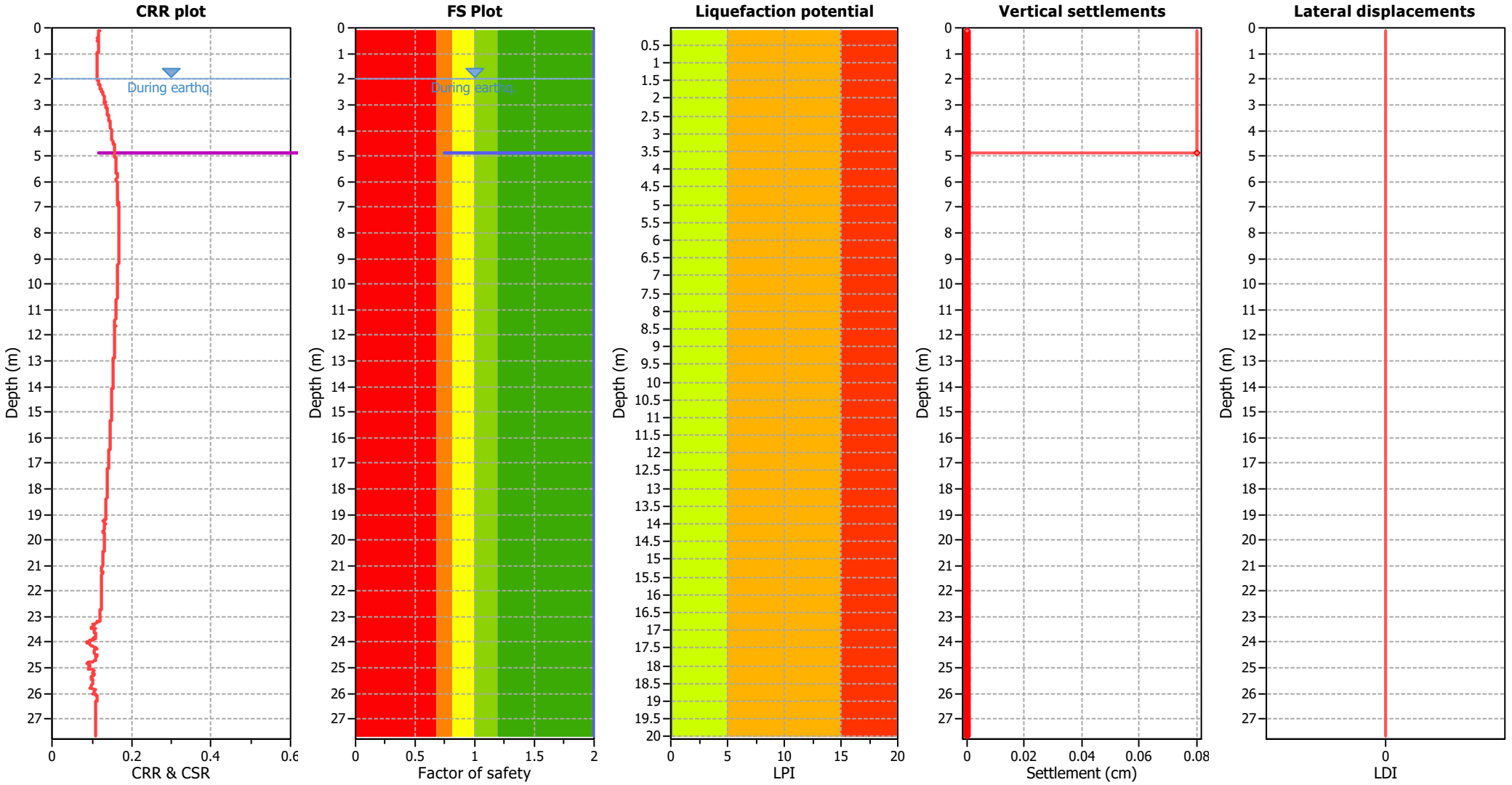
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

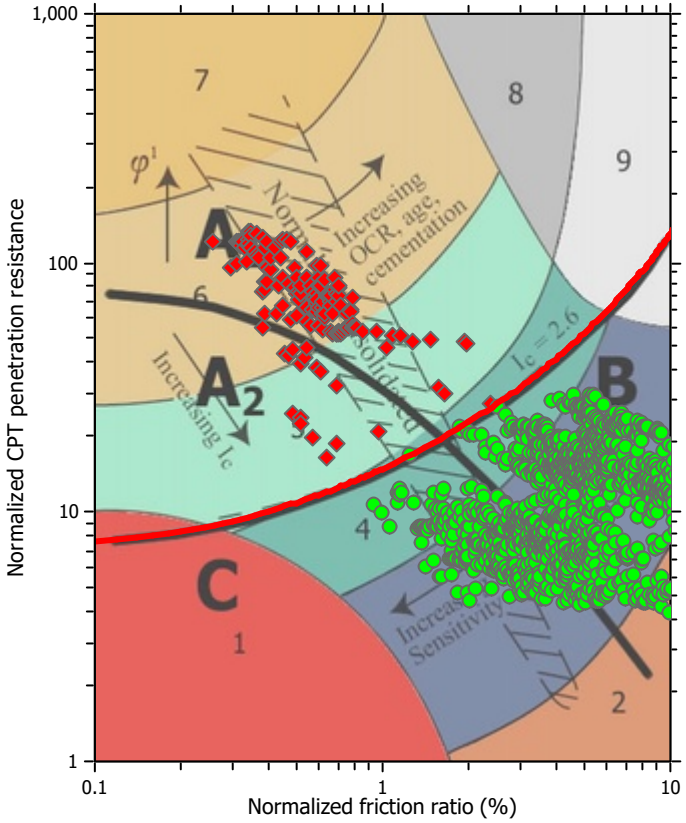
F.S. color scheme

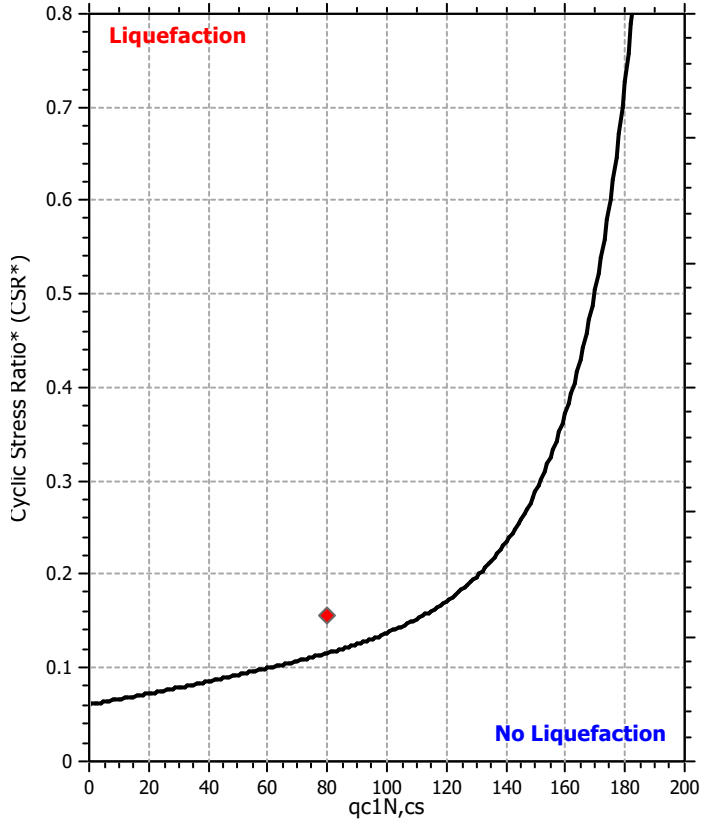
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

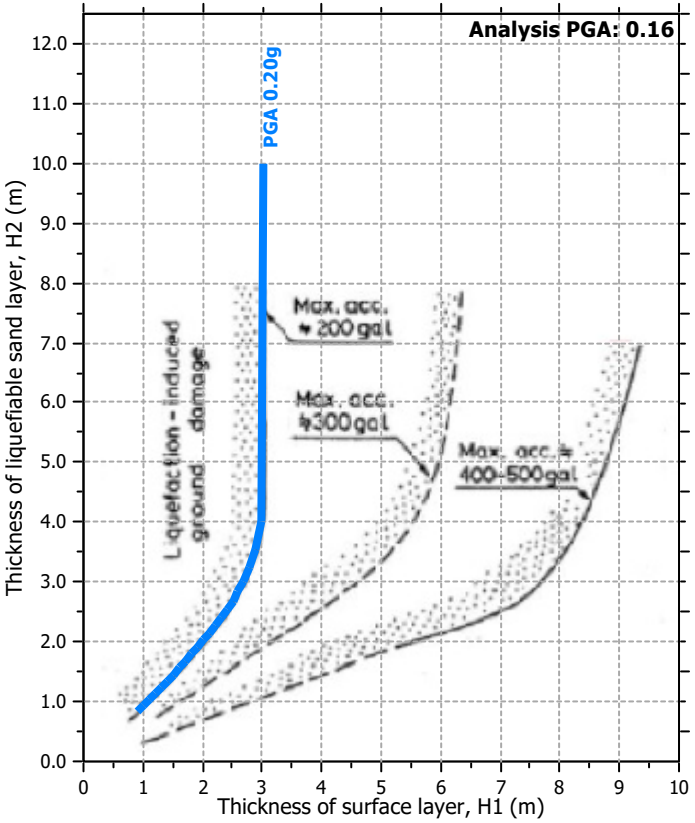
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



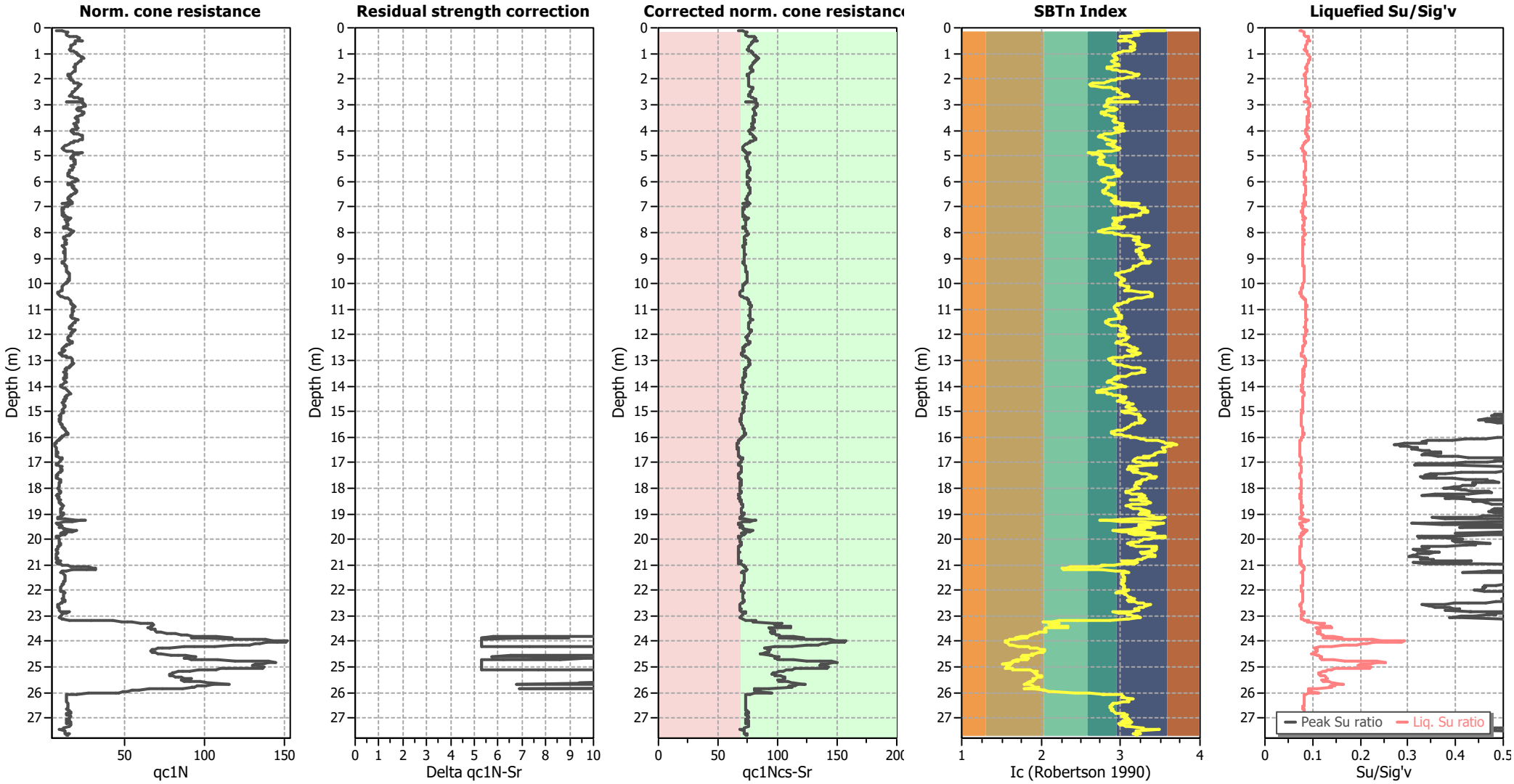




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.58	2.00	0.00	0.00	0.02	0.00	3.60	2.00	0.00	0.00	0.02	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	0.74	0.26	1.14	0.02	0.04
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.18	2.00	0.00	0.00	0.02	0.00	5.20	2.00	0.00	0.00	0.02	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.41	2.00	0.00	0.00	0.02	0.00	9.43	2.00	0.00	0.00	0.02	0.00
9.45	2.00	0.00	0.00	0.02	0.00	9.47	2.00	0.00	0.00	0.02	0.00
9.49	2.00	0.00	0.00	0.02	0.00	9.51	2.00	0.00	0.00	0.02	0.00
9.53	2.00	0.00	0.00	0.02	0.00	9.55	2.00	0.00	0.00	0.02	0.00
9.57	2.00	0.00	0.00	0.02	0.00	9.59	2.00	0.00	0.00	0.02	0.00
9.61	2.00	0.00	0.00	0.02	0.00	9.63	2.00	0.00	0.00	0.02	0.00
9.65	2.00	0.00	0.00	0.02	0.00	9.67	2.00	0.00	0.00	0.02	0.00
9.69	2.00	0.00	0.00	0.02	0.00	9.71	2.00	0.00	0.00	0.02	0.00
9.73	2.00	0.00	0.00	0.02	0.00	9.75	2.00	0.00	0.00	0.02	0.00
9.77	2.00	0.00	0.00	0.02	0.00	9.79	2.00	0.00	0.00	0.02	0.00
9.81	2.00	0.00	0.00	0.02	0.00	9.83	2.00	0.00	0.00	0.02	0.00
9.85	2.00	0.00	0.00	0.02	0.00	9.87	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.89	2.00	0.00	0.00	0.02	0.00	9.91	2.00	0.00	0.00	0.02	0.00
9.93	2.00	0.00	0.00	0.02	0.00	9.95	2.00	0.00	0.00	0.02	0.00
9.97	2.00	0.00	0.00	0.02	0.00	9.99	2.00	0.00	0.00	0.02	0.00
10.01	2.00	0.00	0.00	0.02	0.00	10.03	2.00	0.00	0.00	0.02	0.00
10.05	2.00	0.00	0.00	0.02	0.00	10.07	2.00	0.00	0.00	0.02	0.00
10.09	2.00	0.00	0.00	0.02	0.00	10.11	2.00	0.00	0.00	0.02	0.00
10.13	2.00	0.00	0.00	0.02	0.00	10.15	2.00	0.00	0.00	0.02	0.00
10.17	2.00	0.00	0.00	0.02	0.00	10.19	2.00	0.00	0.00	0.02	0.00
10.21	2.00	0.00	0.00	0.02	0.00	10.23	2.00	0.00	0.00	0.02	0.00
10.25	2.00	0.00	0.00	0.02	0.00	10.27	2.00	0.00	0.00	0.02	0.00
10.29	2.00	0.00	0.00	0.02	0.00	10.31	2.00	0.00	0.00	0.02	0.00
10.33	2.00	0.00	0.00	0.02	0.00	10.35	2.00	0.00	0.00	0.02	0.00
10.37	2.00	0.00	0.00	0.02	0.00	10.39	2.00	0.00	0.00	0.02	0.00
10.41	2.00	0.00	0.00	0.02	0.00	10.43	2.00	0.00	0.00	0.02	0.00
10.45	2.00	0.00	0.00	0.02	0.00	10.47	2.00	0.00	0.00	0.02	0.00
10.49	2.00	0.00	0.00	0.02	0.00	10.51	2.00	0.00	0.00	0.02	0.00
10.53	2.00	0.00	0.00	0.02	0.00	10.55	2.00	0.00	0.00	0.02	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.59	2.00	0.00	0.00	0.02	0.00
10.61	2.00	0.00	0.00	0.02	0.00	10.63	2.00	0.00	0.00	0.02	0.00
10.65	2.00	0.00	0.00	0.02	0.00	10.67	2.00	0.00	0.00	0.02	0.00
10.69	2.00	0.00	0.00	0.02	0.00	10.71	2.00	0.00	0.00	0.02	0.00
10.73	2.00	0.00	0.00	0.02	0.00	10.75	2.00	0.00	0.00	0.02	0.00
10.77	2.00	0.00	0.00	0.02	0.00	10.79	2.00	0.00	0.00	0.02	0.00
10.81	2.00	0.00	0.00	0.02	0.00	10.83	2.00	0.00	0.00	0.02	0.00
10.85	2.00	0.00	0.00	0.02	0.00	10.87	2.00	0.00	0.00	0.02	0.00
10.89	2.00	0.00	0.00	0.02	0.00	10.91	2.00	0.00	0.00	0.02	0.00
10.93	2.00	0.00	0.00	0.02	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.02	0.00	10.99	2.00	0.00	0.00	0.02	0.00
11.01	2.00	0.00	0.00	0.02	0.00	11.03	2.00	0.00	0.00	0.02	0.00
11.05	2.00	0.00	0.00	0.02	0.00	11.07	2.00	0.00	0.00	0.02	0.00
11.09	2.00	0.00	0.00	0.02	0.00	11.11	2.00	0.00	0.00	0.02	0.00
11.13	2.00	0.00	0.00	0.02	0.00	11.15	2.00	0.00	0.00	0.02	0.00
11.17	2.00	0.00	0.00	0.02	0.00	11.19	2.00	0.00	0.00	0.02	0.00
11.21	2.00	0.00	0.00	0.02	0.00	11.23	2.00	0.00	0.00	0.02	0.00
11.25	2.00	0.00	0.00	0.02	0.00	11.27	2.00	0.00	0.00	0.02	0.00
11.29	2.00	0.00	0.00	0.02	0.00	11.31	2.00	0.00	0.00	0.02	0.00
11.33	2.00	0.00	0.00	0.02	0.00	11.35	2.00	0.00	0.00	0.02	0.00
11.37	2.00	0.00	0.00	0.02	0.00	11.39	2.00	0.00	0.00	0.02	0.00
11.41	2.00	0.00	0.00	0.02	0.00	11.43	2.00	0.00	0.00	0.02	0.00
11.45	2.00	0.00	0.00	0.02	0.00	11.47	2.00	0.00	0.00	0.02	0.00
11.49	2.00	0.00	0.00	0.02	0.00	11.51	2.00	0.00	0.00	0.02	0.00
11.53	2.00	0.00	0.00	0.02	0.00	11.55	2.00	0.00	0.00	0.02	0.00
11.57	2.00	0.00	0.00	0.02	0.00	11.59	2.00	0.00	0.00	0.02	0.00
11.61	2.00	0.00	0.00	0.02	0.00	11.63	2.00	0.00	0.00	0.02	0.00
11.65	2.00	0.00	0.00	0.02	0.00	11.67	2.00	0.00	0.00	0.02	0.00
11.69	2.00	0.00	0.00	0.02	0.00	11.71	2.00	0.00	0.00	0.02	0.00
11.73	2.00	0.00	0.00	0.02	0.00	11.75	2.00	0.00	0.00	0.02	0.00
11.77	2.00	0.00	0.00	0.02	0.00	11.79	2.00	0.00	0.00	0.02	0.00
11.81	2.00	0.00	0.00	0.02	0.00	11.83	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.85	2.00	0.00	0.00	0.02	0.00	11.87	2.00	0.00	0.00	0.02	0.00
11.89	2.00	0.00	0.00	0.02	0.00	11.91	2.00	0.00	0.00	0.02	0.00
11.93	2.00	0.00	0.00	0.02	0.00	11.95	2.00	0.00	0.00	0.02	0.00
11.97	2.00	0.00	0.00	0.02	0.00	11.99	2.00	0.00	0.00	0.02	0.00
12.01	2.00	0.00	0.00	0.02	0.00	12.03	2.00	0.00	0.00	0.02	0.00
12.05	2.00	0.00	0.00	0.02	0.00	12.07	2.00	0.00	0.00	0.02	0.00
12.09	2.00	0.00	0.00	0.02	0.00	12.11	2.00	0.00	0.00	0.02	0.00
12.13	2.00	0.00	0.00	0.02	0.00	12.15	2.00	0.00	0.00	0.02	0.00
12.17	2.00	0.00	0.00	0.02	0.00	12.19	2.00	0.00	0.00	0.02	0.00
12.21	2.00	0.00	0.00	0.02	0.00	12.23	2.00	0.00	0.00	0.02	0.00
12.25	2.00	0.00	0.00	0.02	0.00	12.27	2.00	0.00	0.00	0.02	0.00
12.29	2.00	0.00	0.00	0.02	0.00	12.31	2.00	0.00	0.00	0.02	0.00
12.33	2.00	0.00	0.00	0.02	0.00	12.35	2.00	0.00	0.00	0.02	0.00
12.37	2.00	0.00	0.00	0.02	0.00	12.39	2.00	0.00	0.00	0.02	0.00
12.41	2.00	0.00	0.00	0.02	0.00	12.43	2.00	0.00	0.00	0.02	0.00
12.45	2.00	0.00	0.00	0.02	0.00	12.47	2.00	0.00	0.00	0.02	0.00
12.49	2.00	0.00	0.00	0.02	0.00	12.51	2.00	0.00	0.00	0.02	0.00
12.53	2.00	0.00	0.00	0.02	0.00	12.55	2.00	0.00	0.00	0.02	0.00
12.57	2.00	0.00	0.00	0.02	0.00	12.59	2.00	0.00	0.00	0.02	0.00
12.61	2.00	0.00	0.00	0.02	0.00	12.63	2.00	0.00	0.00	0.02	0.00
12.65	2.00	0.00	0.00	0.02	0.00	12.67	2.00	0.00	0.00	0.02	0.00
12.69	2.00	0.00	0.00	0.02	0.00	12.71	2.00	0.00	0.00	0.02	0.00
12.73	2.00	0.00	0.00	0.02	0.00	12.75	2.00	0.00	0.00	0.02	0.00
12.77	2.00	0.00	0.00	0.02	0.00	12.79	2.00	0.00	0.00	0.02	0.00
12.81	2.00	0.00	0.00	0.02	0.00	12.83	2.00	0.00	0.00	0.02	0.00
12.85	2.00	0.00	0.00	0.02	0.00	12.87	2.00	0.00	0.00	0.02	0.00
12.89	2.00	0.00	0.00	0.02	0.00	12.91	2.00	0.00	0.00	0.02	0.00
12.93	2.00	0.00	0.00	0.02	0.00	12.95	2.00	0.00	0.00	0.02	0.00
12.97	2.00	0.00	0.00	0.02	0.00	12.99	2.00	0.00	0.00	0.02	0.00
13.01	2.00	0.00	0.00	0.02	0.00	13.03	2.00	0.00	0.00	0.02	0.00
13.05	2.00	0.00	0.00	0.02	0.00	13.07	2.00	0.00	0.00	0.02	0.00
13.09	2.00	0.00	0.00	0.02	0.00	13.11	2.00	0.00	0.00	0.02	0.00
13.13	2.00	0.00	0.00	0.02	0.00	13.15	2.00	0.00	0.00	0.02	0.00
13.17	2.00	0.00	0.00	0.02	0.00	13.19	2.00	0.00	0.00	0.02	0.00
13.21	2.00	0.00	0.00	0.02	0.00	13.23	2.00	0.00	0.00	0.02	0.00
13.25	2.00	0.00	0.00	0.02	0.00	13.27	2.00	0.00	0.00	0.02	0.00
13.29	2.00	0.00	0.00	0.02	0.00	13.31	2.00	0.00	0.00	0.02	0.00
13.33	2.00	0.00	0.00	0.02	0.00	13.35	2.00	0.00	0.00	0.02	0.00
13.37	2.00	0.00	0.00	0.02	0.00	13.39	2.00	0.00	0.00	0.02	0.00
13.41	2.00	0.00	0.00	0.02	0.00	13.43	2.00	0.00	0.00	0.02	0.00
13.45	2.00	0.00	0.00	0.02	0.00	13.47	2.00	0.00	0.00	0.02	0.00
13.49	2.00	0.00	0.00	0.02	0.00	13.51	2.00	0.00	0.00	0.02	0.00
13.53	2.00	0.00	0.00	0.02	0.00	13.55	2.00	0.00	0.00	0.02	0.00
13.57	2.00	0.00	0.00	0.02	0.00	13.59	2.00	0.00	0.00	0.02	0.00
13.61	2.00	0.00	0.00	0.02	0.00	13.63	2.00	0.00	0.00	0.02	0.00
13.65	2.00	0.00	0.00	0.02	0.00	13.67	2.00	0.00	0.00	0.02	0.00
13.69	2.00	0.00	0.00	0.02	0.00	13.71	2.00	0.00	0.00	0.02	0.00
13.73	2.00	0.00	0.00	0.02	0.00	13.75	2.00	0.00	0.00	0.02	0.00
13.77	2.00	0.00	0.00	0.02	0.00	13.79	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.81	2.00	0.00	0.00	0.02	0.00	13.83	2.00	0.00	0.00	0.02	0.00
13.85	2.00	0.00	0.00	0.02	0.00	13.87	2.00	0.00	0.00	0.02	0.00
13.89	2.00	0.00	0.00	0.02	0.00	13.91	2.00	0.00	0.00	0.02	0.00
13.93	2.00	0.00	0.00	0.02	0.00	13.95	2.00	0.00	0.00	0.02	0.00
13.97	2.00	0.00	0.00	0.02	0.00	13.99	2.00	0.00	0.00	0.02	0.00
14.01	2.00	0.00	0.00	0.02	0.00	14.03	2.00	0.00	0.00	0.02	0.00
14.05	2.00	0.00	0.00	0.02	0.00	14.07	2.00	0.00	0.00	0.02	0.00
14.09	2.00	0.00	0.00	0.02	0.00	14.11	2.00	0.00	0.00	0.02	0.00
14.13	2.00	0.00	0.00	0.02	0.00	14.15	2.00	0.00	0.00	0.02	0.00
14.17	2.00	0.00	0.00	0.02	0.00	14.19	2.00	0.00	0.00	0.02	0.00
14.21	2.00	0.00	0.00	0.02	0.00	14.23	2.00	0.00	0.00	0.02	0.00
14.25	2.00	0.00	0.00	0.02	0.00	14.27	2.00	0.00	0.00	0.02	0.00
14.29	2.00	0.00	0.00	0.02	0.00	14.31	2.00	0.00	0.00	0.02	0.00
14.33	2.00	0.00	0.00	0.02	0.00	14.35	2.00	0.00	0.00	0.02	0.00
14.37	2.00	0.00	0.00	0.02	0.00	14.39	2.00	0.00	0.00	0.02	0.00
14.41	2.00	0.00	0.00	0.02	0.00	14.43	2.00	0.00	0.00	0.02	0.00
14.45	2.00	0.00	0.00	0.02	0.00	14.47	2.00	0.00	0.00	0.02	0.00
14.49	2.00	0.00	0.00	0.02	0.00	14.51	2.00	0.00	0.00	0.02	0.00
14.53	2.00	0.00	0.00	0.02	0.00	14.55	2.00	0.00	0.00	0.02	0.00
14.57	2.00	0.00	0.00	0.02	0.00	14.59	2.00	0.00	0.00	0.02	0.00
14.61	2.00	0.00	0.00	0.02	0.00	14.63	2.00	0.00	0.00	0.02	0.00
14.65	2.00	0.00	0.00	0.02	0.00	14.67	2.00	0.00	0.00	0.02	0.00
14.69	2.00	0.00	0.00	0.02	0.00	14.71	2.00	0.00	0.00	0.02	0.00
14.73	2.00	0.00	0.00	0.02	0.00	14.75	2.00	0.00	0.00	0.02	0.00
14.77	2.00	0.00	0.00	0.02	0.00	14.79	2.00	0.00	0.00	0.02	0.00
14.81	2.00	0.00	0.00	0.02	0.00	14.83	2.00	0.00	0.00	0.02	0.00
14.85	2.00	0.00	0.00	0.02	0.00	14.87	2.00	0.00	0.00	0.02	0.00
14.89	2.00	0.00	0.00	0.02	0.00	14.91	2.00	0.00	0.00	0.02	0.00
14.93	2.00	0.00	0.00	0.02	0.00	14.95	2.00	0.00	0.00	0.02	0.00
14.97	2.00	0.00	0.00	0.02	0.00	14.99	2.00	0.00	0.00	0.02	0.00
15.01	2.00	0.00	0.00	0.02	0.00	15.03	2.00	0.00	0.00	0.02	0.00
15.05	2.00	0.00	0.00	0.02	0.00	15.07	2.00	0.00	0.00	0.02	0.00
15.09	2.00	0.00	0.00	0.02	0.00	15.11	2.00	0.00	0.00	0.02	0.00
15.13	2.00	0.00	0.00	0.02	0.00	15.15	2.00	0.00	0.00	0.02	0.00
15.17	2.00	0.00	0.00	0.02	0.00	15.19	2.00	0.00	0.00	0.02	0.00
15.21	2.00	0.00	0.00	0.02	0.00	15.23	2.00	0.00	0.00	0.02	0.00
15.25	2.00	0.00	0.00	0.02	0.00	15.27	2.00	0.00	0.00	0.02	0.00
15.29	2.00	0.00	0.00	0.02	0.00	15.31	2.00	0.00	0.00	0.02	0.00
15.33	2.00	0.00	0.00	0.02	0.00	15.35	2.00	0.00	0.00	0.02	0.00
15.37	2.00	0.00	0.00	0.02	0.00	15.39	2.00	0.00	0.00	0.02	0.00
15.41	2.00	0.00	0.00	0.02	0.00	15.43	2.00	0.00	0.00	0.02	0.00
15.45	2.00	0.00	0.00	0.02	0.00	15.47	2.00	0.00	0.00	0.02	0.00
15.49	2.00	0.00	0.00	0.02	0.00	15.51	2.00	0.00	0.00	0.02	0.00
15.53	2.00	0.00	0.00	0.02	0.00	15.55	2.00	0.00	0.00	0.02	0.00
15.57	2.00	0.00	0.00	0.02	0.00	15.59	2.00	0.00	0.00	0.02	0.00
15.61	2.00	0.00	0.00	0.02	0.00	15.63	2.00	0.00	0.00	0.02	0.00
15.65	2.00	0.00	0.00	0.02	0.00	15.67	2.00	0.00	0.00	0.02	0.00
15.69	2.00	0.00	0.00	0.02	0.00	15.71	2.00	0.00	0.00	0.02	0.00
15.73	2.00	0.00	0.00	0.02	0.00	15.75	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.77	2.00	0.00	0.00	0.02	0.00	15.79	2.00	0.00	0.00	0.02	0.00
15.81	2.00	0.00	0.00	0.02	0.00	15.83	2.00	0.00	0.00	0.02	0.00
15.85	2.00	0.00	0.00	0.02	0.00	15.87	2.00	0.00	0.00	0.02	0.00
15.89	2.00	0.00	0.00	0.02	0.00	15.91	2.00	0.00	0.00	0.02	0.00
15.93	2.00	0.00	0.00	0.02	0.00	15.95	2.00	0.00	0.00	0.02	0.00
15.97	2.00	0.00	0.00	0.02	0.00	15.99	2.00	0.00	0.00	0.02	0.00
16.01	2.00	0.00	0.00	0.02	0.00	16.03	2.00	0.00	0.00	0.02	0.00
16.05	2.00	0.00	0.00	0.02	0.00	16.07	2.00	0.00	0.00	0.02	0.00
16.09	2.00	0.00	0.00	0.02	0.00	16.11	2.00	0.00	0.00	0.02	0.00
16.13	2.00	0.00	0.00	0.02	0.00	16.15	2.00	0.00	0.00	0.02	0.00
16.17	2.00	0.00	0.00	0.02	0.00	16.19	2.00	0.00	0.00	0.02	0.00
16.21	2.00	0.00	0.00	0.02	0.00	16.23	2.00	0.00	0.00	0.02	0.00
16.25	2.00	0.00	0.00	0.02	0.00	16.27	2.00	0.00	0.00	0.02	0.00
16.29	2.00	0.00	0.00	0.02	0.00	16.31	2.00	0.00	0.00	0.02	0.00
16.33	2.00	0.00	0.00	0.02	0.00	16.35	2.00	0.00	0.00	0.02	0.00
16.37	2.00	0.00	0.00	0.02	0.00	16.39	2.00	0.00	0.00	0.02	0.00
16.41	2.00	0.00	0.00	0.02	0.00	16.43	2.00	0.00	0.00	0.02	0.00
16.45	2.00	0.00	0.00	0.02	0.00	16.47	2.00	0.00	0.00	0.02	0.00
16.49	2.00	0.00	0.00	0.02	0.00	16.51	2.00	0.00	0.00	0.02	0.00
16.53	2.00	0.00	0.00	0.02	0.00	16.55	2.00	0.00	0.00	0.02	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.59	2.00	0.00	0.00	0.02	0.00
16.61	2.00	0.00	0.00	0.02	0.00	16.63	2.00	0.00	0.00	0.02	0.00
16.65	2.00	0.00	0.00	0.02	0.00	16.67	2.00	0.00	0.00	0.02	0.00
16.69	2.00	0.00	0.00	0.02	0.00	16.71	2.00	0.00	0.00	0.02	0.00
16.73	2.00	0.00	0.00	0.02	0.00	16.75	2.00	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.79	2.00	0.00	0.00	0.02	0.00
16.81	2.00	0.00	0.00	0.02	0.00	16.83	2.00	0.00	0.00	0.02	0.00
16.85	2.00	0.00	0.00	0.02	0.00	16.87	2.00	0.00	0.00	0.02	0.00
16.89	2.00	0.00	0.00	0.02	0.00	16.91	2.00	0.00	0.00	0.02	0.00
16.93	2.00	0.00	0.00	0.02	0.00	16.95	2.00	0.00	0.00	0.02	0.00
16.97	2.00	0.00	0.00	0.02	0.00	16.99	2.00	0.00	0.00	0.02	0.00
17.01	2.00	0.00	0.00	0.02	0.00	17.03	2.00	0.00	0.00	0.02	0.00
17.05	2.00	0.00	0.00	0.02	0.00	17.07	2.00	0.00	0.00	0.02	0.00
17.09	2.00	0.00	0.00	0.02	0.00	17.11	2.00	0.00	0.00	0.02	0.00
17.13	2.00	0.00	0.00	0.02	0.00	17.15	2.00	0.00	0.00	0.02	0.00
17.17	2.00	0.00	0.00	0.02	0.00	17.19	2.00	0.00	0.00	0.02	0.00
17.21	2.00	0.00	0.00	0.02	0.00	17.23	2.00	0.00	0.00	0.02	0.00
17.25	2.00	0.00	0.00	0.02	0.00	17.27	2.00	0.00	0.00	0.02	0.00
17.29	2.00	0.00	0.00	0.02	0.00	17.31	2.00	0.00	0.00	0.02	0.00
17.33	2.00	0.00	0.00	0.02	0.00	17.35	2.00	0.00	0.00	0.02	0.00
17.37	2.00	0.00	0.00	0.02	0.00	17.39	2.00	0.00	0.00	0.02	0.00
17.41	2.00	0.00	0.00	0.02	0.00	17.43	2.00	0.00	0.00	0.02	0.00
17.45	2.00	0.00	0.00	0.02	0.00	17.47	2.00	0.00	0.00	0.02	0.00
17.49	2.00	0.00	0.00	0.02	0.00	17.51	2.00	0.00	0.00	0.02	0.00
17.53	2.00	0.00	0.00	0.02	0.00	17.55	2.00	0.00	0.00	0.02	0.00
17.57	2.00	0.00	0.00	0.02	0.00	17.59	2.00	0.00	0.00	0.02	0.00
17.61	2.00	0.00	0.00	0.02	0.00	17.62	2.00	0.00	0.00	0.02	0.00
17.64	2.00	0.00	0.00	0.02	0.00	17.66	2.00	0.00	0.00	0.02	0.00
17.68	2.00	0.00	0.00	0.02	0.00	17.70	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.72	2.00	0.00	0.00	0.02	0.00	17.74	2.00	0.00	0.00	0.02	0.00
17.76	2.00	0.00	0.00	0.02	0.00	17.78	2.00	0.00	0.00	0.02	0.00
17.80	2.00	0.00	0.00	0.02	0.00	17.82	2.00	0.00	0.00	0.02	0.00
17.84	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.88	2.00	0.00	0.00	0.02	0.00	17.90	2.00	0.00	0.00	0.02	0.00
17.92	2.00	0.00	0.00	0.02	0.00	17.94	2.00	0.00	0.00	0.02	0.00
17.96	2.00	0.00	0.00	0.02	0.00	17.98	2.00	0.00	0.00	0.02	0.00
18.00	2.00	0.00	0.00	0.02	0.00	18.02	2.00	0.00	0.00	0.02	0.00
18.04	2.00	0.00	0.00	0.02	0.00	18.06	2.00	0.00	0.00	0.02	0.00
18.08	2.00	0.00	0.00	0.02	0.00	18.10	2.00	0.00	0.00	0.02	0.00
18.12	2.00	0.00	0.00	0.02	0.00	18.14	2.00	0.00	0.00	0.02	0.00
18.16	2.00	0.00	0.00	0.02	0.00	18.18	2.00	0.00	0.00	0.02	0.00
18.20	2.00	0.00	0.00	0.02	0.00	18.22	2.00	0.00	0.00	0.02	0.00
18.24	2.00	0.00	0.00	0.02	0.00	18.26	2.00	0.00	0.00	0.02	0.00
18.28	2.00	0.00	0.00	0.02	0.00	18.30	2.00	0.00	0.00	0.02	0.00
18.32	2.00	0.00	0.00	0.02	0.00	18.34	2.00	0.00	0.00	0.02	0.00
18.36	2.00	0.00	0.00	0.02	0.00	18.38	2.00	0.00	0.00	0.02	0.00
18.40	2.00	0.00	0.00	0.02	0.00	18.42	2.00	0.00	0.00	0.02	0.00
18.44	2.00	0.00	0.00	0.02	0.00	18.46	2.00	0.00	0.00	0.02	0.00
18.48	2.00	0.00	0.00	0.02	0.00	18.50	2.00	0.00	0.00	0.02	0.00
18.52	2.00	0.00	0.00	0.02	0.00	18.54	2.00	0.00	0.00	0.02	0.00
18.56	2.00	0.00	0.00	0.02	0.00	18.58	2.00	0.00	0.00	0.02	0.00
18.60	2.00	0.00	0.00	0.02	0.00	18.62	2.00	0.00	0.00	0.02	0.00
18.64	2.00	0.00	0.00	0.02	0.00	18.66	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.02	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.72	2.00	0.00	0.00	0.02	0.00	18.74	2.00	0.00	0.00	0.02	0.00
18.76	2.00	0.00	0.00	0.02	0.00	18.78	2.00	0.00	0.00	0.02	0.00
18.80	2.00	0.00	0.00	0.02	0.00	18.82	2.00	0.00	0.00	0.02	0.00
18.84	2.00	0.00	0.00	0.02	0.00	18.86	2.00	0.00	0.00	0.02	0.00
18.88	2.00	0.00	0.00	0.02	0.00	18.90	2.00	0.00	0.00	0.02	0.00
18.92	2.00	0.00	0.00	0.02	0.00	18.94	2.00	0.00	0.00	0.02	0.00
18.96	2.00	0.00	0.00	0.02	0.00	18.98	2.00	0.00	0.00	0.02	0.00
19.00	2.00	0.00	0.00	0.02	0.00	19.02	2.00	0.00	0.00	0.02	0.00
19.04	2.00	0.00	0.00	0.02	0.00	19.06	2.00	0.00	0.00	0.02	0.00
19.08	2.00	0.00	0.00	0.02	0.00	19.10	2.00	0.00	0.00	0.02	0.00
19.12	2.00	0.00	0.00	0.02	0.00	19.14	2.00	0.00	0.00	0.02	0.00
19.16	2.00	0.00	0.00	0.02	0.00	19.18	2.00	0.00	0.00	0.02	0.00
19.20	2.00	0.00	0.00	0.02	0.00	19.22	2.00	0.00	0.00	0.02	0.00
19.24	2.00	0.00	0.00	0.02	0.00	19.26	2.00	0.00	0.00	0.02	0.00
19.28	2.00	0.00	0.00	0.02	0.00	19.30	2.00	0.00	0.00	0.02	0.00
19.32	2.00	0.00	0.00	0.02	0.00	19.34	2.00	0.00	0.00	0.02	0.00
19.36	2.00	0.00	0.00	0.02	0.00	19.38	2.00	0.00	0.00	0.02	0.00
19.40	2.00	0.00	0.00	0.02	0.00	19.42	2.00	0.00	0.00	0.02	0.00
19.44	2.00	0.00	0.00	0.02	0.00	19.46	2.00	0.00	0.00	0.02	0.00
19.48	2.00	0.00	0.00	0.02	0.00	19.50	2.00	0.00	0.00	0.02	0.00
19.52	2.00	0.00	0.00	0.02	0.00	19.54	2.00	0.00	0.00	0.02	0.00
19.56	2.00	0.00	0.00	0.02	0.00	19.58	2.00	0.00	0.00	0.02	0.00
19.60	2.00	0.00	0.00	0.02	0.00	19.62	2.00	0.00	0.00	0.02	0.00
19.64	2.00	0.00	0.00	0.02	0.00	19.66	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.68	2.00	0.00	0.00	0.02	0.00	19.70	2.00	0.00	0.00	0.02	0.00
19.72	2.00	0.00	0.00	0.02	0.00	19.74	2.00	0.00	0.00	0.02	0.00
19.76	2.00	0.00	0.00	0.02	0.00	19.78	2.00	0.00	0.00	0.02	0.00
19.80	2.00	0.00	0.00	0.02	0.00	19.82	2.00	0.00	0.00	0.02	0.00
19.84	2.00	0.00	0.00	0.02	0.00	19.86	2.00	0.00	0.00	0.02	0.00
19.88	2.00	0.00	0.00	0.02	0.00	19.90	2.00	0.00	0.00	0.02	0.00
19.92	2.00	0.00	0.00	0.02	0.00	19.94	2.00	0.00	0.00	0.02	0.00
19.96	2.00	0.00	0.00	0.02	0.00	19.98	2.00	0.00	0.00	0.02	0.00

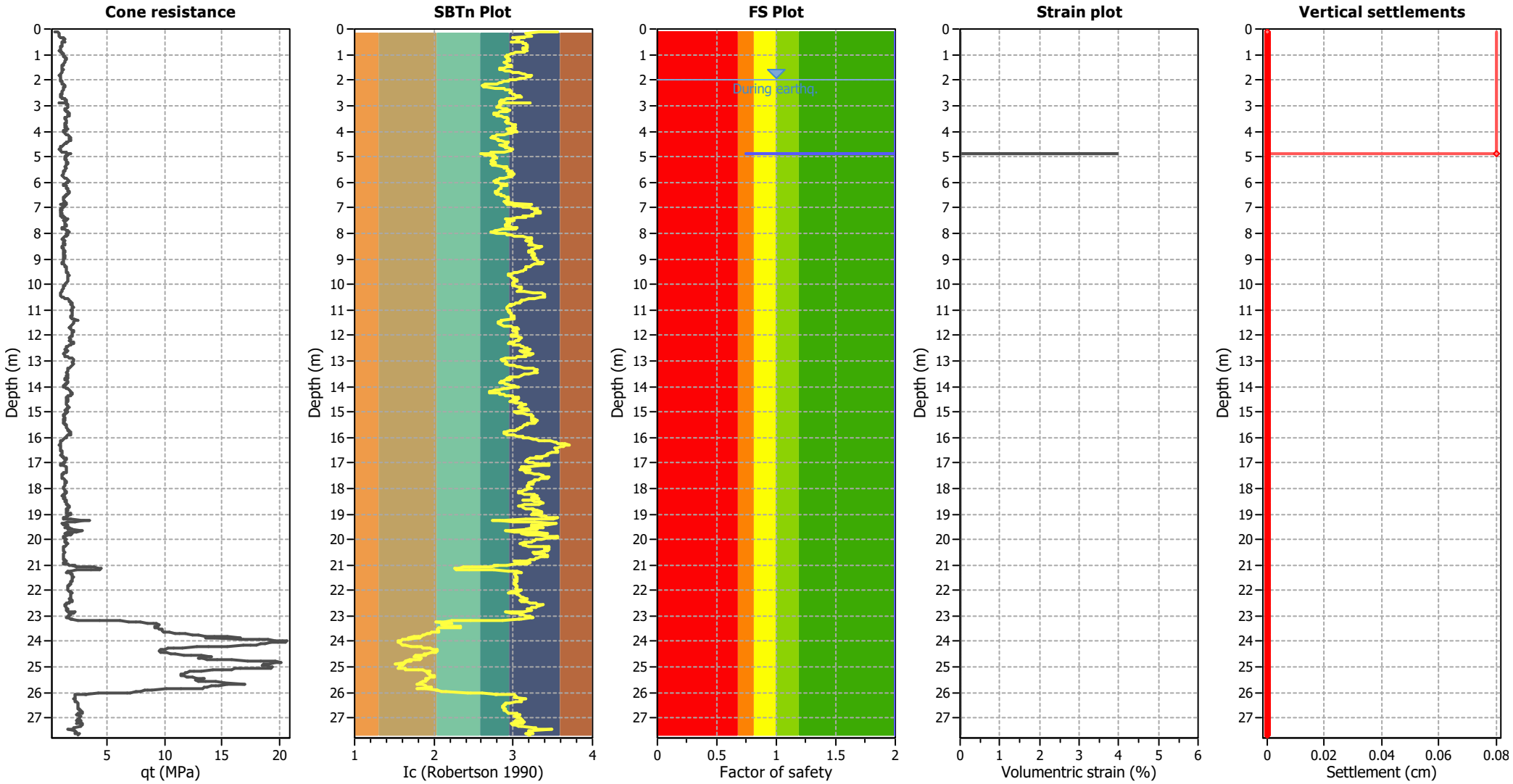
Overall liquefaction potential: 0.04

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.10	3.57	7.36	23.83	175.43	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.12	3.32	10.82	15.83	171.30	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.14	3.18	13.56	12.25	166.07	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.16	3.16	13.74	11.95	164.23	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.18	3.16	14.01	11.85	166.10	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.20	3.19	13.36	12.42	165.92	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.22	3.21	12.93	13.02	168.37	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.24	3.21	13.14	13.01	170.88	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.26	3.22	13.57	13.08	177.56	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.28	3.23	13.61	13.39	182.30	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.30	2.99	15.28	8.59	131.29	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.32	3.13	17.53	11.25	197.17	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.34	3.08	19.90	10.26	204.25	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.36	3.06	21.12	9.83	207.70	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.38	3.05	21.47	9.72	208.76	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.40	3.07	20.77	10.04	208.50	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.42	3.07	20.54	10.09	207.32	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.44	3.07	20.55	9.97	204.83	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.46	3.06	20.75	9.85	204.42	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.48	3.01	21.97	9.00	197.75	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.50	2.98	23.10	8.46	195.51	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.52	3.13	18.52	11.13	206.19	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.54	3.13	18.59	11.13	206.86	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.56	3.15	18.03	11.55	208.38	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.58	3.15	18.23	11.62	211.97	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.60	3.16	18.18	11.83	215.16	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.62	3.17	17.97	12.09	217.27	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.64	3.17	17.58	12.07	212.25	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.66	3.18	16.79	12.18	204.51	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.68	3.18	15.93	12.36	196.98	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.70	3.18	15.21	12.35	187.87	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.72	3.15	15.52	11.57	179.58	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.74	3.13	15.54	11.13	172.88	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.76	3.12	15.61	10.96	171.03	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.78	3.14	15.69	11.47	179.93	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.80	3.15	15.24	11.62	177.09	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.82	3.15	14.91	11.69	174.23	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.84	3.18	14.41	12.20	175.67	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.86	3.17	14.72	12.01	176.83	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.88	3.14	15.23	11.34	172.67	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.90	3.10	15.66	10.63	166.47	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.92	3.03	17.58	9.26	162.88	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.94	3.00	18.44	8.83	162.78	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.96	2.99	18.78	8.53	160.22	0	0	0.12	0.000	0.00	0.00	0.00	0.000
0.98	2.97	19.23	8.28	159.29	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.00	2.95	19.70	7.91	155.89	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.02	2.92	19.97	7.50	149.84	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.04	2.93	20.09	7.59	152.54	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.06	2.91	20.83	7.34	152.98	0	0	0.11	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.08	2.91	21.48	7.33	157.40	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.10	2.92	22.34	7.55	168.74	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.12	2.94	22.87	7.81	178.61	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.14	2.95	23.25	7.93	184.38	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.16	2.95	23.43	8.03	188.14	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.18	2.95	23.65	7.98	188.71	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.20	2.95	23.22	7.95	184.63	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.22	2.96	22.32	8.12	181.18	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.24	2.95	21.75	7.89	171.59	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.26	2.92	21.51	7.53	162.07	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.28	2.91	21.63	7.29	157.67	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.30	2.91	21.49	7.35	157.93	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.32	2.89	20.95	7.03	147.24	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.34	2.92	20.17	7.46	150.53	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.36	2.92	19.92	7.47	148.73	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.38	2.95	19.27	7.92	152.67	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.40	2.97	18.82	8.27	155.69	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.42	2.98	18.44	8.47	156.23	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.44	2.98	17.79	8.49	151.03	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.46	2.96	17.82	8.17	145.64	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.48	2.91	18.17	7.42	134.74	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.50	2.89	18.00	7.03	126.52	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.52	2.86	17.82	6.67	118.82	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.54	2.83	18.44	6.21	114.48	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.56	2.82	18.45	6.12	112.84	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.58	2.83	18.60	6.24	116.05	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.60	2.87	18.58	6.71	124.76	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.62	2.91	18.27	7.30	133.40	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.64	2.94	18.22	7.81	142.27	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.66	2.96	18.46	8.15	150.45	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.68	2.99	18.44	8.59	158.39	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.70	3.03	18.08	9.24	167.13	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.72	3.07	17.37	10.02	173.95	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.74	3.12	16.20	11.03	178.67	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.76	3.14	15.94	11.37	181.23	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.78	3.18	15.06	12.18	183.40	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.80	3.21	14.51	12.90	187.24	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.82	3.23	14.02	13.39	187.76	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.84	3.21	14.33	12.87	184.51	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.86	3.18	15.07	12.20	183.89	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.88	3.18	15.04	12.20	183.60	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.90	3.14	15.55	11.33	176.22	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.92	3.10	15.31	10.55	161.52	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.94	3.08	14.93	10.18	151.95	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.96	3.02	15.23	9.21	140.29	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.98	2.99	15.01	8.60	129.12	0	0	0.11	0.000	0.00	0.00	0.00	0.000
2.00	2.96	15.30	8.09	123.80	0	0	0.11	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	15.79	2.00	0.00	1.00	0.00	2.04	16.71	2.00	0.00	1.00	0.00
2.06	17.06	2.00	0.00	1.00	0.00	2.08	17.35	2.00	0.00	1.00	0.00
2.10	17.58	2.00	0.00	1.00	0.00	2.12	18.04	2.00	0.00	1.00	0.00
2.14	19.19	2.00	0.00	1.00	0.00	2.16	20.45	2.00	0.00	1.00	0.00
2.18	21.44	2.00	0.00	1.00	0.00	2.20	22.20	2.00	0.00	1.00	0.00
2.22	21.66	2.00	0.00	1.00	0.00	2.24	21.43	2.00	0.00	1.00	0.00
2.26	20.84	2.00	0.00	1.00	0.00	2.28	20.65	2.00	0.00	1.00	0.00
2.30	20.64	2.00	0.00	1.00	0.00	2.32	20.17	2.00	0.00	1.00	0.00
2.34	20.05	2.00	0.00	1.00	0.00	2.36	19.71	2.00	0.00	1.00	0.00
2.38	19.44	2.00	0.00	1.00	0.00	2.40	18.86	2.00	0.00	1.00	0.00
2.42	18.49	2.00	0.00	1.00	0.00	2.44	18.28	2.00	0.00	1.00	0.00
2.46	18.02	2.00	0.00	1.00	0.00	2.48	17.61	2.00	0.00	1.00	0.00
2.50	17.24	2.00	0.00	1.00	0.00	2.52	17.08	2.00	0.00	1.00	0.00
2.54	16.67	2.00	0.00	1.00	0.00	2.56	16.46	2.00	0.00	1.00	0.00
2.58	16.15	2.00	0.00	1.00	0.00	2.60	16.27	2.00	0.00	1.00	0.00
2.62	15.62	2.00	0.00	1.00	0.00	2.64	15.42	2.00	0.00	1.00	0.00
2.66	15.81	2.00	0.00	1.00	0.00	2.68	16.78	2.00	0.00	1.00	0.00
2.70	17.75	2.00	0.00	1.00	0.00	2.72	18.91	2.00	0.00	1.00	0.00
2.74	20.34	2.00	0.00	1.00	0.00	2.76	21.50	2.00	0.00	1.00	0.00
2.78	22.13	2.00	0.00	1.00	0.00	2.80	22.90	2.00	0.00	1.00	0.00
2.82	23.26	2.00	0.00	1.00	0.00	2.84	23.10	2.00	0.00	1.00	0.00
2.86	23.20	2.00	0.00	1.00	0.00	2.88	12.96	2.00	0.00	1.00	0.00
2.90	22.66	2.00	0.00	1.00	0.00	2.92	23.18	2.00	0.00	1.00	0.00
2.94	23.63	2.00	0.00	1.00	0.00	2.96	23.99	2.00	0.00	1.00	0.00
2.98	24.20	2.00	0.00	1.00	0.00	3.00	24.29	2.00	0.00	1.00	0.00
3.02	24.79	2.00	0.00	1.00	0.00	3.04	24.89	2.00	0.00	1.00	0.00
3.06	24.93	2.00	0.00	1.00	0.00	3.08	24.07	2.00	0.00	1.00	0.00
3.10	22.29	2.00	0.00	1.00	0.00	3.12	21.43	2.00	0.00	1.00	0.00
3.14	20.46	2.00	0.00	1.00	0.00	3.16	19.65	2.00	0.00	1.00	0.00
3.18	19.74	2.00	0.00	1.00	0.00	3.20	20.86	2.00	0.00	1.00	0.00
3.22	21.85	2.00	0.00	1.00	0.00	3.24	22.31	2.00	0.00	1.00	0.00
3.26	22.81	2.00	0.00	1.00	0.00	3.28	23.70	2.00	0.00	1.00	0.00
3.30	23.84	2.00	0.00	1.00	0.00	3.32	24.28	2.00	0.00	1.00	0.00
3.34	23.81	2.00	0.00	1.00	0.00	3.36	23.06	2.00	0.00	1.00	0.00
3.38	23.64	2.00	0.00	1.00	0.00	3.40	23.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.42	22.19	2.00	0.00	1.00	0.00	3.44	20.85	2.00	0.00	1.00	0.00
3.46	20.05	2.00	0.00	1.00	0.00	3.48	19.74	2.00	0.00	1.00	0.00
3.50	19.45	2.00	0.00	1.00	0.00	3.52	18.91	2.00	0.00	1.00	0.00
3.54	19.60	2.00	0.00	1.00	0.00	3.56	20.59	2.00	0.00	1.00	0.00
3.58	20.73	2.00	0.00	1.00	0.00	3.60	20.82	2.00	0.00	1.00	0.00
3.62	20.23	2.00	0.00	1.00	0.00	3.64	20.54	2.00	0.00	1.00	0.00
3.66	20.58	2.00	0.00	1.00	0.00	3.68	20.00	2.00	0.00	1.00	0.00
3.70	19.66	2.00	0.00	1.00	0.00	3.72	18.95	2.00	0.00	1.00	0.00
3.74	18.27	2.00	0.00	1.00	0.00	3.76	18.18	2.00	0.00	1.00	0.00
3.78	18.76	2.00	0.00	1.00	0.00	3.80	18.87	2.00	0.00	1.00	0.00
3.82	19.21	2.00	0.00	1.00	0.00	3.84	19.35	2.00	0.00	1.00	0.00
3.86	18.64	2.00	0.00	1.00	0.00	3.88	18.61	2.00	0.00	1.00	0.00
3.90	20.63	2.00	0.00	1.00	0.00	3.92	19.78	2.00	0.00	1.00	0.00
3.94	19.13	2.00	0.00	1.00	0.00	3.96	17.90	2.00	0.00	1.00	0.00
3.98	16.69	2.00	0.00	1.00	0.00	4.00	15.94	2.00	0.00	1.00	0.00
4.02	15.72	2.00	0.00	1.00	0.00	4.04	16.11	2.00	0.00	1.00	0.00
4.06	16.70	2.00	0.00	1.00	0.00	4.08	16.86	2.00	0.00	1.00	0.00
4.10	17.39	2.00	0.00	1.00	0.00	4.12	18.16	2.00	0.00	1.00	0.00
4.14	19.60	2.00	0.00	1.00	0.00	4.16	20.79	2.00	0.00	1.00	0.00
4.18	21.91	2.00	0.00	1.00	0.00	4.20	22.52	2.00	0.00	1.00	0.00
4.22	22.81	2.00	0.00	1.00	0.00	4.24	23.54	2.00	0.00	1.00	0.00
4.26	22.87	2.00	0.00	1.00	0.00	4.28	22.90	2.00	0.00	1.00	0.00
4.30	23.09	2.00	0.00	1.00	0.00	4.32	23.68	2.00	0.00	1.00	0.00
4.34	23.46	2.00	0.00	1.00	0.00	4.36	22.96	2.00	0.00	1.00	0.00
4.38	21.72	2.00	0.00	1.00	0.00	4.40	20.11	2.00	0.00	1.00	0.00
4.42	18.74	2.00	0.00	1.00	0.00	4.44	17.60	2.00	0.00	1.00	0.00
4.46	17.52	2.00	0.00	1.00	0.00	4.48	17.13	2.00	0.00	1.00	0.00
4.50	15.71	2.00	0.00	1.00	0.00	4.52	15.30	2.00	0.00	1.00	0.00
4.54	15.14	2.00	0.00	1.00	0.00	4.56	14.79	2.00	0.00	1.00	0.00
4.58	13.61	2.00	0.00	1.00	0.00	4.60	12.70	2.00	0.00	1.00	0.00
4.62	11.94	2.00	0.00	1.00	0.00	4.64	11.64	2.00	0.00	1.00	0.00
4.66	11.06	2.00	0.00	1.00	0.00	4.68	10.29	2.00	0.00	1.00	0.00
4.70	10.51	2.00	0.00	1.00	0.00	4.72	11.00	2.00	0.00	1.00	0.00
4.74	11.02	2.00	0.00	1.00	0.00	4.76	11.08	2.00	0.00	1.00	0.00
4.78	11.67	2.00	0.00	1.00	0.00	4.80	12.88	2.00	0.00	1.00	0.00
4.82	14.23	2.00	0.00	1.00	0.00	4.84	16.48	2.00	0.00	1.00	0.00
4.86	17.49	2.00	0.00	1.00	0.00	4.88	80.11	0.74	4.00	1.00	0.08
4.90	22.09	2.00	0.00	1.00	0.00	4.92	20.63	2.00	0.00	1.00	0.00
4.94	18.53	2.00	0.00	1.00	0.00	4.96	17.65	2.00	0.00	1.00	0.00
4.98	17.19	2.00	0.00	1.00	0.00	5.00	17.39	2.00	0.00	1.00	0.00
5.02	16.52	2.00	0.00	1.00	0.00	5.04	16.04	2.00	0.00	1.00	0.00
5.06	16.06	2.00	0.00	1.00	0.00	5.08	16.31	2.00	0.00	1.00	0.00
5.10	16.87	2.00	0.00	1.00	0.00	5.12	17.59	2.00	0.00	1.00	0.00
5.14	18.18	2.00	0.00	1.00	0.00	5.16	17.89	2.00	0.00	1.00	0.00
5.18	18.25	2.00	0.00	1.00	0.00	5.20	18.17	2.00	0.00	1.00	0.00
5.22	17.88	2.00	0.00	1.00	0.00	5.24	18.58	2.00	0.00	1.00	0.00
5.26	18.72	2.00	0.00	1.00	0.00	5.28	18.97	2.00	0.00	1.00	0.00
5.30	18.54	2.00	0.00	1.00	0.00	5.32	18.55	2.00	0.00	1.00	0.00
5.34	17.99	2.00	0.00	1.00	0.00	5.36	16.59	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.38	16.12	2.00	0.00	1.00	0.00	5.40	16.66	2.00	0.00	1.00	0.00
5.42	17.40	2.00	0.00	1.00	0.00	5.44	17.64	2.00	0.00	1.00	0.00
5.46	17.65	2.00	0.00	1.00	0.00	5.48	17.05	2.00	0.00	1.00	0.00
5.50	16.89	2.00	0.00	1.00	0.00	5.52	16.76	2.00	0.00	1.00	0.00
5.54	16.96	2.00	0.00	1.00	0.00	5.56	16.80	2.00	0.00	1.00	0.00
5.58	15.38	2.00	0.00	1.00	0.00	5.60	14.93	2.00	0.00	1.00	0.00
5.62	14.68	2.00	0.00	1.00	0.00	5.64	15.17	2.00	0.00	1.00	0.00
5.66	15.40	2.00	0.00	1.00	0.00	5.68	15.24	2.00	0.00	1.00	0.00
5.70	14.14	2.00	0.00	1.00	0.00	5.72	13.77	2.00	0.00	1.00	0.00
5.74	13.95	2.00	0.00	1.00	0.00	5.76	13.97	2.00	0.00	1.00	0.00
5.78	14.32	2.00	0.00	1.00	0.00	5.80	14.94	2.00	0.00	1.00	0.00
5.82	15.81	2.00	0.00	1.00	0.00	5.84	16.38	2.00	0.00	1.00	0.00
5.86	17.15	2.00	0.00	1.00	0.00	5.88	18.42	2.00	0.00	1.00	0.00
5.90	19.07	2.00	0.00	1.00	0.00	5.92	19.37	2.00	0.00	1.00	0.00
5.94	20.45	2.00	0.00	1.00	0.00	5.96	19.63	2.00	0.00	1.00	0.00
5.98	19.30	2.00	0.00	1.00	0.00	6.00	18.65	2.00	0.00	1.00	0.00
6.02	17.50	2.00	0.00	1.00	0.00	6.04	16.81	2.00	0.00	1.00	0.00
6.06	15.95	2.00	0.00	1.00	0.00	6.08	14.33	2.00	0.00	1.00	0.00
6.10	14.43	2.00	0.00	1.00	0.00	6.12	15.54	2.00	0.00	1.00	0.00
6.14	16.60	2.00	0.00	1.00	0.00	6.16	16.94	2.00	0.00	1.00	0.00
6.18	17.42	2.00	0.00	1.00	0.00	6.20	17.13	2.00	0.00	1.00	0.00
6.22	17.28	2.00	0.00	1.00	0.00	6.24	17.37	2.00	0.00	1.00	0.00
6.26	18.04	2.00	0.00	1.00	0.00	6.28	18.14	2.00	0.00	1.00	0.00
6.30	18.56	2.00	0.00	1.00	0.00	6.32	18.74	2.00	0.00	1.00	0.00
6.34	18.82	2.00	0.00	1.00	0.00	6.36	19.53	2.00	0.00	1.00	0.00
6.38	19.42	2.00	0.00	1.00	0.00	6.40	19.75	2.00	0.00	1.00	0.00
6.42	19.84	2.00	0.00	1.00	0.00	6.44	18.99	2.00	0.00	1.00	0.00
6.46	18.27	2.00	0.00	1.00	0.00	6.48	17.67	2.00	0.00	1.00	0.00
6.50	17.15	2.00	0.00	1.00	0.00	6.52	16.72	2.00	0.00	1.00	0.00
6.54	16.12	2.00	0.00	1.00	0.00	6.56	15.56	2.00	0.00	1.00	0.00
6.58	14.87	2.00	0.00	1.00	0.00	6.60	14.81	2.00	0.00	1.00	0.00
6.62	14.50	2.00	0.00	1.00	0.00	6.64	14.32	2.00	0.00	1.00	0.00
6.66	14.18	2.00	0.00	1.00	0.00	6.68	14.03	2.00	0.00	1.00	0.00
6.70	14.10	2.00	0.00	1.00	0.00	6.72	14.59	2.00	0.00	1.00	0.00
6.74	14.90	2.00	0.00	1.00	0.00	6.76	15.36	2.00	0.00	1.00	0.00
6.78	15.66	2.00	0.00	1.00	0.00	6.80	14.14	2.00	0.00	1.00	0.00
6.82	16.40	2.00	0.00	1.00	0.00	6.84	10.65	2.00	0.00	1.00	0.00
6.86	16.76	2.00	0.00	1.00	0.00	6.88	16.03	2.00	0.00	1.00	0.00
6.90	15.29	2.00	0.00	1.00	0.00	6.92	14.44	2.00	0.00	1.00	0.00
6.94	14.13	2.00	0.00	1.00	0.00	6.96	13.84	2.00	0.00	1.00	0.00
6.98	12.52	2.00	0.00	1.00	0.00	7.00	12.13	2.00	0.00	1.00	0.00
7.02	11.76	2.00	0.00	1.00	0.00	7.04	11.23	2.00	0.00	1.00	0.00
7.06	10.58	2.00	0.00	1.00	0.00	7.08	10.75	2.00	0.00	1.00	0.00
7.10	11.34	2.00	0.00	1.00	0.00	7.12	10.80	2.00	0.00	1.00	0.00
7.14	10.59	2.00	0.00	1.00	0.00	7.16	10.18	2.00	0.00	1.00	0.00
7.18	10.20	2.00	0.00	1.00	0.00	7.20	10.22	2.00	0.00	1.00	0.00
7.22	10.99	2.00	0.00	1.00	0.00	7.24	10.87	2.00	0.00	1.00	0.00
7.26	10.53	2.00	0.00	1.00	0.00	7.28	11.08	2.00	0.00	1.00	0.00
7.30	10.71	2.00	0.00	1.00	0.00	7.32	12.43	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.34	11.67	2.00	0.00	1.00	0.00	7.36	11.31	2.00	0.00	1.00	0.00
7.38	11.80	2.00	0.00	1.00	0.00	7.40	13.16	2.00	0.00	1.00	0.00
7.42	14.78	2.00	0.00	1.00	0.00	7.44	15.85	2.00	0.00	1.00	0.00
7.46	16.22	2.00	0.00	1.00	0.00	7.48	15.08	2.00	0.00	1.00	0.00
7.50	13.05	2.00	0.00	1.00	0.00	7.52	12.46	2.00	0.00	1.00	0.00
7.54	13.18	2.00	0.00	1.00	0.00	7.56	13.71	2.00	0.00	1.00	0.00
7.58	13.27	2.00	0.00	1.00	0.00	7.60	13.02	2.00	0.00	1.00	0.00
7.62	13.20	2.00	0.00	1.00	0.00	7.64	13.84	2.00	0.00	1.00	0.00
7.66	13.83	2.00	0.00	1.00	0.00	7.68	13.93	2.00	0.00	1.00	0.00
7.70	14.00	2.00	0.00	1.00	0.00	7.72	13.48	2.00	0.00	1.00	0.00
7.74	12.89	2.00	0.00	1.00	0.00	7.76	12.19	2.00	0.00	1.00	0.00
7.78	11.61	2.00	0.00	1.00	0.00	7.80	10.99	2.00	0.00	1.00	0.00
7.82	11.12	2.00	0.00	1.00	0.00	7.84	11.57	2.00	0.00	1.00	0.00
7.86	13.78	2.00	0.00	1.00	0.00	7.88	14.88	2.00	0.00	1.00	0.00
7.90	15.96	2.00	0.00	1.00	0.00	7.92	16.45	2.00	0.00	1.00	0.00
7.94	17.00	2.00	0.00	1.00	0.00	7.96	17.58	2.00	0.00	1.00	0.00
7.98	16.96	2.00	0.00	1.00	0.00	8.00	15.92	2.00	0.00	1.00	0.00
8.02	15.48	2.00	0.00	1.00	0.00	8.04	15.13	2.00	0.00	1.00	0.00
8.06	15.56	2.00	0.00	1.00	0.00	8.08	15.54	2.00	0.00	1.00	0.00
8.10	14.92	2.00	0.00	1.00	0.00	8.12	14.26	2.00	0.00	1.00	0.00
8.14	13.20	2.00	0.00	1.00	0.00	8.16	12.20	2.00	0.00	1.00	0.00
8.18	11.74	2.00	0.00	1.00	0.00	8.20	11.72	2.00	0.00	1.00	0.00
8.22	11.45	2.00	0.00	1.00	0.00	8.24	11.57	2.00	0.00	1.00	0.00
8.26	11.49	2.00	0.00	1.00	0.00	8.28	12.06	2.00	0.00	1.00	0.00
8.30	13.13	2.00	0.00	1.00	0.00	8.32	12.36	2.00	0.00	1.00	0.00
8.34	12.05	2.00	0.00	1.00	0.00	8.36	12.10	2.00	0.00	1.00	0.00
8.38	12.19	2.00	0.00	1.00	0.00	8.40	12.81	2.00	0.00	1.00	0.00
8.42	12.57	2.00	0.00	1.00	0.00	8.44	13.22	2.00	0.00	1.00	0.00
8.46	12.83	2.00	0.00	1.00	0.00	8.48	12.56	2.00	0.00	1.00	0.00
8.50	11.21	2.00	0.00	1.00	0.00	8.52	10.87	2.00	0.00	1.00	0.00
8.54	10.49	2.00	0.00	1.00	0.00	8.56	10.94	2.00	0.00	1.00	0.00
8.58	11.53	2.00	0.00	1.00	0.00	8.60	11.58	2.00	0.00	1.00	0.00
8.62	11.93	2.00	0.00	1.00	0.00	8.64	11.98	2.00	0.00	1.00	0.00
8.66	12.16	2.00	0.00	1.00	0.00	8.68	12.43	2.00	0.00	1.00	0.00
8.70	12.39	2.00	0.00	1.00	0.00	8.72	12.45	2.00	0.00	1.00	0.00
8.74	12.07	2.00	0.00	1.00	0.00	8.76	11.80	2.00	0.00	1.00	0.00
8.78	11.92	2.00	0.00	1.00	0.00	8.80	11.70	2.00	0.00	1.00	0.00
8.82	11.87	2.00	0.00	1.00	0.00	8.84	12.25	2.00	0.00	1.00	0.00
8.86	12.57	2.00	0.00	1.00	0.00	8.88	12.60	2.00	0.00	1.00	0.00
8.90	12.30	2.00	0.00	1.00	0.00	8.92	12.24	2.00	0.00	1.00	0.00
8.94	12.20	2.00	0.00	1.00	0.00	8.96	12.29	2.00	0.00	1.00	0.00
8.98	12.10	2.00	0.00	1.00	0.00	9.00	11.98	2.00	0.00	1.00	0.00
9.02	12.10	2.00	0.00	1.00	0.00	9.04	11.99	2.00	0.00	1.00	0.00
9.06	11.90	2.00	0.00	1.00	0.00	9.08	11.95	2.00	0.00	1.00	0.00
9.10	11.83	2.00	0.00	1.00	0.00	9.12	11.50	2.00	0.00	1.00	0.00
9.14	11.09	2.00	0.00	1.00	0.00	9.16	10.73	2.00	0.00	1.00	0.00
9.18	10.64	2.00	0.00	1.00	0.00	9.20	11.26	2.00	0.00	1.00	0.00
9.22	11.78	2.00	0.00	1.00	0.00	9.24	12.34	2.00	0.00	1.00	0.00
9.26	12.39	2.00	0.00	1.00	0.00	9.28	12.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.30	12.65	2.00	0.00	1.00	0.00	9.32	13.13	2.00	0.00	1.00	0.00
9.34	13.61	2.00	0.00	1.00	0.00	9.36	13.46	2.00	0.00	1.00	0.00
9.38	13.47	2.00	0.00	1.00	0.00	9.40	13.25	2.00	0.00	1.00	0.00
9.41	12.99	2.00	0.00	1.00	0.00	9.43	13.05	2.00	0.00	1.00	0.00
9.45	13.10	2.00	0.00	1.00	0.00	9.47	13.09	2.00	0.00	1.00	0.00
9.49	12.91	2.00	0.00	1.00	0.00	9.51	13.62	2.00	0.00	1.00	0.00
9.53	13.89	2.00	0.00	1.00	0.00	9.55	14.12	2.00	0.00	1.00	0.00
9.57	14.52	2.00	0.00	1.00	0.00	9.59	14.99	2.00	0.00	1.00	0.00
9.61	15.12	2.00	0.00	1.00	0.00	9.63	15.25	2.00	0.00	1.00	0.00
9.65	14.98	2.00	0.00	1.00	0.00	9.67	15.03	2.00	0.00	1.00	0.00
9.69	14.73	2.00	0.00	1.00	0.00	9.71	14.58	2.00	0.00	1.00	0.00
9.73	14.73	2.00	0.00	1.00	0.00	9.75	14.79	2.00	0.00	1.00	0.00
9.77	14.91	2.00	0.00	1.00	0.00	9.79	14.78	2.00	0.00	1.00	0.00
9.81	14.87	2.00	0.00	1.00	0.00	9.83	14.06	2.00	0.00	1.00	0.00
9.85	14.68	2.00	0.00	1.00	0.00	9.87	14.67	2.00	0.00	1.00	0.00
9.89	14.51	2.00	0.00	1.00	0.00	9.91	14.26	2.00	0.00	1.00	0.00
9.93	13.90	2.00	0.00	1.00	0.00	9.95	13.23	2.00	0.00	1.00	0.00
9.97	12.75	2.00	0.00	1.00	0.00	9.99	12.42	2.00	0.00	1.00	0.00
10.01	12.03	2.00	0.00	1.00	0.00	10.03	11.74	2.00	0.00	1.00	0.00
10.05	11.46	2.00	0.00	1.00	0.00	10.07	11.03	2.00	0.00	1.00	0.00
10.09	10.65	2.00	0.00	1.00	0.00	10.11	10.54	2.00	0.00	1.00	0.00
10.13	10.42	2.00	0.00	1.00	0.00	10.15	10.42	2.00	0.00	1.00	0.00
10.17	10.48	2.00	0.00	1.00	0.00	10.19	10.26	2.00	0.00	1.00	0.00
10.21	10.18	2.00	0.00	1.00	0.00	10.23	10.11	2.00	0.00	1.00	0.00
10.25	10.13	2.00	0.00	1.00	0.00	10.27	9.58	2.00	0.00	1.00	0.00
10.29	9.20	2.00	0.00	1.00	0.00	10.31	8.79	2.00	0.00	1.00	0.00
10.33	8.68	2.00	0.00	1.00	0.00	10.35	7.83	2.00	0.00	1.00	0.00
10.37	7.82	2.00	0.00	1.00	0.00	10.39	7.98	2.00	0.00	1.00	0.00
10.41	8.15	2.00	0.00	1.00	0.00	10.43	8.37	2.00	0.00	1.00	0.00
10.45	8.60	2.00	0.00	1.00	0.00	10.47	9.19	2.00	0.00	1.00	0.00
10.49	9.99	2.00	0.00	1.00	0.00	10.51	10.82	2.00	0.00	1.00	0.00
10.53	12.06	2.00	0.00	1.00	0.00	10.55	12.85	2.00	0.00	1.00	0.00
10.57	13.81	2.00	0.00	1.00	0.00	10.59	14.78	2.00	0.00	1.00	0.00
10.61	15.36	2.00	0.00	1.00	0.00	10.63	15.35	2.00	0.00	1.00	0.00
10.65	15.58	2.00	0.00	1.00	0.00	10.67	15.73	2.00	0.00	1.00	0.00
10.69	15.95	2.00	0.00	1.00	0.00	10.71	16.07	2.00	0.00	1.00	0.00
10.73	16.29	2.00	0.00	1.00	0.00	10.75	16.31	2.00	0.00	1.00	0.00
10.77	16.03	2.00	0.00	1.00	0.00	10.79	16.42	2.00	0.00	1.00	0.00
10.81	16.86	2.00	0.00	1.00	0.00	10.83	17.11	2.00	0.00	1.00	0.00
10.85	18.06	2.00	0.00	1.00	0.00	10.87	18.27	2.00	0.00	1.00	0.00
10.89	17.89	2.00	0.00	1.00	0.00	10.91	17.94	2.00	0.00	1.00	0.00
10.93	17.66	2.00	0.00	1.00	0.00	10.95	17.42	2.00	0.00	1.00	0.00
10.97	17.27	2.00	0.00	1.00	0.00	10.99	16.83	2.00	0.00	1.00	0.00
11.01	16.54	2.00	0.00	1.00	0.00	11.03	16.85	2.00	0.00	1.00	0.00
11.05	16.80	2.00	0.00	1.00	0.00	11.07	16.98	2.00	0.00	1.00	0.00
11.09	17.39	2.00	0.00	1.00	0.00	11.11	17.17	2.00	0.00	1.00	0.00
11.13	16.82	2.00	0.00	1.00	0.00	11.15	16.80	2.00	0.00	1.00	0.00
11.17	16.49	2.00	0.00	1.00	0.00	11.19	16.93	2.00	0.00	1.00	0.00
11.21	16.68	2.00	0.00	1.00	0.00	11.23	16.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.25	16.18	2.00	0.00	1.00	0.00	11.27	16.26	2.00	0.00	1.00	0.00
11.29	16.33	2.00	0.00	1.00	0.00	11.31	16.25	2.00	0.00	1.00	0.00
11.33	16.78	2.00	0.00	1.00	0.00	11.35	17.28	2.00	0.00	1.00	0.00
11.37	17.33	2.00	0.00	1.00	0.00	11.39	20.72	2.00	0.00	1.00	0.00
11.41	19.76	2.00	0.00	1.00	0.00	11.43	19.18	2.00	0.00	1.00	0.00
11.45	18.77	2.00	0.00	1.00	0.00	11.47	18.49	2.00	0.00	1.00	0.00
11.49	18.41	2.00	0.00	1.00	0.00	11.51	18.36	2.00	0.00	1.00	0.00
11.53	17.85	2.00	0.00	1.00	0.00	11.55	17.82	2.00	0.00	1.00	0.00
11.57	17.06	2.00	0.00	1.00	0.00	11.59	16.92	2.00	0.00	1.00	0.00
11.61	16.45	2.00	0.00	1.00	0.00	11.63	15.66	2.00	0.00	1.00	0.00
11.65	15.61	2.00	0.00	1.00	0.00	11.67	15.29	2.00	0.00	1.00	0.00
11.69	15.44	2.00	0.00	1.00	0.00	11.71	15.00	2.00	0.00	1.00	0.00
11.73	15.21	2.00	0.00	1.00	0.00	11.75	15.68	2.00	0.00	1.00	0.00
11.77	16.04	2.00	0.00	1.00	0.00	11.79	16.86	2.00	0.00	1.00	0.00
11.81	16.85	2.00	0.00	1.00	0.00	11.83	18.59	2.00	0.00	1.00	0.00
11.85	17.80	2.00	0.00	1.00	0.00	11.87	17.48	2.00	0.00	1.00	0.00
11.89	17.17	2.00	0.00	1.00	0.00	11.91	16.84	2.00	0.00	1.00	0.00
11.93	16.37	2.00	0.00	1.00	0.00	11.95	16.04	2.00	0.00	1.00	0.00
11.97	16.00	2.00	0.00	1.00	0.00	11.99	15.95	2.00	0.00	1.00	0.00
12.01	16.09	2.00	0.00	1.00	0.00	12.03	15.44	2.00	0.00	1.00	0.00
12.05	14.76	2.00	0.00	1.00	0.00	12.07	13.70	2.00	0.00	1.00	0.00
12.09	13.85	2.00	0.00	1.00	0.00	12.11	14.18	2.00	0.00	1.00	0.00
12.13	14.39	2.00	0.00	1.00	0.00	12.15	14.38	2.00	0.00	1.00	0.00
12.17	14.33	2.00	0.00	1.00	0.00	12.19	14.20	2.00	0.00	1.00	0.00
12.21	14.19	2.00	0.00	1.00	0.00	12.23	14.58	2.00	0.00	1.00	0.00
12.25	15.11	2.00	0.00	1.00	0.00	12.27	15.66	2.00	0.00	1.00	0.00
12.29	16.59	2.00	0.00	1.00	0.00	12.31	16.89	2.00	0.00	1.00	0.00
12.33	15.91	2.00	0.00	1.00	0.00	12.35	15.05	2.00	0.00	1.00	0.00
12.37	14.00	2.00	0.00	1.00	0.00	12.39	13.37	2.00	0.00	1.00	0.00
12.41	12.98	2.00	0.00	1.00	0.00	12.43	12.63	2.00	0.00	1.00	0.00
12.45	12.15	2.00	0.00	1.00	0.00	12.47	11.61	2.00	0.00	1.00	0.00
12.49	11.39	2.00	0.00	1.00	0.00	12.51	11.01	2.00	0.00	1.00	0.00
12.53	10.84	2.00	0.00	1.00	0.00	12.55	10.62	2.00	0.00	1.00	0.00
12.57	10.45	2.00	0.00	1.00	0.00	12.59	10.86	2.00	0.00	1.00	0.00
12.61	11.40	2.00	0.00	1.00	0.00	12.63	11.83	2.00	0.00	1.00	0.00
12.65	11.42	2.00	0.00	1.00	0.00	12.67	10.49	2.00	0.00	1.00	0.00
12.69	9.53	2.00	0.00	1.00	0.00	12.71	9.16	2.00	0.00	1.00	0.00
12.73	9.07	2.00	0.00	1.00	0.00	12.75	9.61	2.00	0.00	1.00	0.00
12.77	9.95	2.00	0.00	1.00	0.00	12.79	10.44	2.00	0.00	1.00	0.00
12.81	10.43	2.00	0.00	1.00	0.00	12.83	12.64	2.00	0.00	1.00	0.00
12.85	13.06	2.00	0.00	1.00	0.00	12.87	13.36	2.00	0.00	1.00	0.00
12.89	14.89	2.00	0.00	1.00	0.00	12.91	15.74	2.00	0.00	1.00	0.00
12.93	16.78	2.00	0.00	1.00	0.00	12.95	16.76	2.00	0.00	1.00	0.00
12.97	17.00	2.00	0.00	1.00	0.00	12.99	17.08	2.00	0.00	1.00	0.00
13.01	17.25	2.00	0.00	1.00	0.00	13.03	17.12	2.00	0.00	1.00	0.00
13.05	16.65	2.00	0.00	1.00	0.00	13.07	16.61	2.00	0.00	1.00	0.00
13.09	17.12	2.00	0.00	1.00	0.00	13.11	17.46	2.00	0.00	1.00	0.00
13.13	17.29	2.00	0.00	1.00	0.00	13.15	16.79	2.00	0.00	1.00	0.00
13.17	16.41	2.00	0.00	1.00	0.00	13.19	15.90	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.21	15.48	2.00	0.00	1.00	0.00	13.23	15.22	2.00	0.00	1.00	0.00
13.25	15.05	2.00	0.00	1.00	0.00	13.27	14.57	2.00	0.00	1.00	0.00
13.29	13.74	2.00	0.00	1.00	0.00	13.31	13.14	2.00	0.00	1.00	0.00
13.33	12.61	2.00	0.00	1.00	0.00	13.35	12.43	2.00	0.00	1.00	0.00
13.37	12.90	2.00	0.00	1.00	0.00	13.39	13.03	2.00	0.00	1.00	0.00
13.41	12.78	2.00	0.00	1.00	0.00	13.43	12.06	2.00	0.00	1.00	0.00
13.45	11.48	2.00	0.00	1.00	0.00	13.47	11.83	2.00	0.00	1.00	0.00
13.49	12.44	2.00	0.00	1.00	0.00	13.51	13.18	2.00	0.00	1.00	0.00
13.53	12.93	2.00	0.00	1.00	0.00	13.55	13.06	2.00	0.00	1.00	0.00
13.57	12.75	2.00	0.00	1.00	0.00	13.59	12.10	2.00	0.00	1.00	0.00
13.61	11.97	2.00	0.00	1.00	0.00	13.63	12.72	2.00	0.00	1.00	0.00
13.65	13.12	2.00	0.00	1.00	0.00	13.67	13.05	2.00	0.00	1.00	0.00
13.69	11.97	2.00	0.00	1.00	0.00	13.71	11.21	2.00	0.00	1.00	0.00
13.73	11.18	2.00	0.00	1.00	0.00	13.75	11.68	2.00	0.00	1.00	0.00
13.77	12.29	2.00	0.00	1.00	0.00	13.79	12.70	2.00	0.00	1.00	0.00
13.81	12.69	2.00	0.00	1.00	0.00	13.83	13.20	2.00	0.00	1.00	0.00
13.85	12.90	2.00	0.00	1.00	0.00	13.87	12.04	2.00	0.00	1.00	0.00
13.89	11.52	2.00	0.00	1.00	0.00	13.91	11.25	2.00	0.00	1.00	0.00
13.93	11.15	2.00	0.00	1.00	0.00	13.95	10.44	2.00	0.00	1.00	0.00
13.97	10.11	2.00	0.00	1.00	0.00	13.99	9.89	2.00	0.00	1.00	0.00
14.01	9.47	2.00	0.00	1.00	0.00	14.03	9.41	2.00	0.00	1.00	0.00
14.05	9.93	2.00	0.00	1.00	0.00	14.07	11.18	2.00	0.00	1.00	0.00
14.09	11.32	2.00	0.00	1.00	0.00	14.11	12.11	2.00	0.00	1.00	0.00
14.13	12.80	2.00	0.00	1.00	0.00	14.15	13.06	2.00	0.00	1.00	0.00
14.17	13.93	2.00	0.00	1.00	0.00	14.19	14.21	2.00	0.00	1.00	0.00
14.21	14.26	2.00	0.00	1.00	0.00	14.23	14.67	2.00	0.00	1.00	0.00
14.25	15.02	2.00	0.00	1.00	0.00	14.27	15.07	2.00	0.00	1.00	0.00
14.29	15.59	2.00	0.00	1.00	0.00	14.31	15.14	2.00	0.00	1.00	0.00
14.33	14.61	2.00	0.00	1.00	0.00	14.35	14.42	2.00	0.00	1.00	0.00
14.37	13.91	2.00	0.00	1.00	0.00	14.39	13.23	2.00	0.00	1.00	0.00
14.41	12.75	2.00	0.00	1.00	0.00	14.43	12.27	2.00	0.00	1.00	0.00
14.45	11.82	2.00	0.00	1.00	0.00	14.47	12.01	2.00	0.00	1.00	0.00
14.49	12.77	2.00	0.00	1.00	0.00	14.51	12.43	2.00	0.00	1.00	0.00
14.53	11.75	2.00	0.00	1.00	0.00	14.55	12.14	2.00	0.00	1.00	0.00
14.57	12.62	2.00	0.00	1.00	0.00	14.59	12.15	2.00	0.00	1.00	0.00
14.61	11.79	2.00	0.00	1.00	0.00	14.63	11.43	2.00	0.00	1.00	0.00
14.65	11.09	2.00	0.00	1.00	0.00	14.67	10.83	2.00	0.00	1.00	0.00
14.69	11.13	2.00	0.00	1.00	0.00	14.71	10.95	2.00	0.00	1.00	0.00
14.73	11.14	2.00	0.00	1.00	0.00	14.75	11.62	2.00	0.00	1.00	0.00
14.77	11.76	2.00	0.00	1.00	0.00	14.79	12.01	2.00	0.00	1.00	0.00
14.81	12.00	2.00	0.00	1.00	0.00	14.83	12.36	2.00	0.00	1.00	0.00
14.85	12.12	2.00	0.00	1.00	0.00	14.87	11.62	2.00	0.00	1.00	0.00
14.89	11.21	2.00	0.00	1.00	0.00	14.91	10.57	2.00	0.00	1.00	0.00
14.93	10.34	2.00	0.00	1.00	0.00	14.95	10.68	2.00	0.00	1.00	0.00
14.97	11.42	2.00	0.00	1.00	0.00	14.99	11.66	2.00	0.00	1.00	0.00
15.01	11.48	2.00	0.00	1.00	0.00	15.03	11.19	2.00	0.00	1.00	0.00
15.05	10.75	2.00	0.00	1.00	0.00	15.07	10.14	2.00	0.00	1.00	0.00
15.09	9.58	2.00	0.00	1.00	0.00	15.11	9.27	2.00	0.00	1.00	0.00
15.13	9.12	2.00	0.00	1.00	0.00	15.15	9.14	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.17	8.99	2.00	0.00	1.00	0.00	15.19	9.24	2.00	0.00	1.00	0.00
15.21	9.43	2.00	0.00	1.00	0.00	15.23	9.51	2.00	0.00	1.00	0.00
15.25	9.50	2.00	0.00	1.00	0.00	15.27	9.36	2.00	0.00	1.00	0.00
15.29	8.86	2.00	0.00	1.00	0.00	15.31	8.60	2.00	0.00	1.00	0.00
15.33	9.48	2.00	0.00	1.00	0.00	15.35	9.33	2.00	0.00	1.00	0.00
15.37	8.84	2.00	0.00	1.00	0.00	15.39	8.81	2.00	0.00	1.00	0.00
15.41	8.83	2.00	0.00	1.00	0.00	15.43	9.11	2.00	0.00	1.00	0.00
15.45	9.30	2.00	0.00	1.00	0.00	15.47	9.58	2.00	0.00	1.00	0.00
15.49	9.68	2.00	0.00	1.00	0.00	15.51	9.95	2.00	0.00	1.00	0.00
15.53	10.09	2.00	0.00	1.00	0.00	15.55	10.14	2.00	0.00	1.00	0.00
15.57	10.22	2.00	0.00	1.00	0.00	15.59	10.33	2.00	0.00	1.00	0.00
15.61	10.71	2.00	0.00	1.00	0.00	15.63	10.96	2.00	0.00	1.00	0.00
15.65	11.12	2.00	0.00	1.00	0.00	15.67	11.36	2.00	0.00	1.00	0.00
15.69	11.84	2.00	0.00	1.00	0.00	15.71	11.94	2.00	0.00	1.00	0.00
15.73	12.02	2.00	0.00	1.00	0.00	15.75	12.35	2.00	0.00	1.00	0.00
15.77	12.98	2.00	0.00	1.00	0.00	15.79	13.14	2.00	0.00	1.00	0.00
15.81	13.14	2.00	0.00	1.00	0.00	15.83	13.07	2.00	0.00	1.00	0.00
15.85	14.00	2.00	0.00	1.00	0.00	15.87	13.97	2.00	0.00	1.00	0.00
15.89	13.64	2.00	0.00	1.00	0.00	15.91	12.77	2.00	0.00	1.00	0.00
15.93	12.03	2.00	0.00	1.00	0.00	15.95	11.38	2.00	0.00	1.00	0.00
15.97	10.81	2.00	0.00	1.00	0.00	15.99	10.58	2.00	0.00	1.00	0.00
16.01	10.54	2.00	0.00	1.00	0.00	16.03	9.77	2.00	0.00	1.00	0.00
16.05	9.38	2.00	0.00	1.00	0.00	16.07	9.00	2.00	0.00	1.00	0.00
16.09	8.66	2.00	0.00	1.00	0.00	16.11	8.21	2.00	0.00	1.00	0.00
16.13	7.77	2.00	0.00	1.00	0.00	16.15	7.34	2.00	0.00	1.00	0.00
16.17	7.04	2.00	0.00	1.00	0.00	16.19	6.95	2.00	0.00	1.00	0.00
16.21	6.97	2.00	0.00	1.00	0.00	16.23	6.96	2.00	0.00	1.00	0.00
16.25	6.70	2.00	0.00	1.00	0.00	16.27	6.27	2.00	0.00	1.00	0.00
16.29	5.96	2.00	0.00	1.00	0.00	16.31	5.87	2.00	0.00	1.00	0.00
16.33	6.00	2.00	0.00	1.00	0.00	16.35	6.00	2.00	0.00	1.00	0.00
16.37	6.22	2.00	0.00	1.00	0.00	16.39	6.40	2.00	0.00	1.00	0.00
16.41	6.56	2.00	0.00	1.00	0.00	16.43	6.48	2.00	0.00	1.00	0.00
16.45	6.37	2.00	0.00	1.00	0.00	16.47	6.45	2.00	0.00	1.00	0.00
16.49	6.47	2.00	0.00	1.00	0.00	16.51	6.69	2.00	0.00	1.00	0.00
16.53	6.69	2.00	0.00	1.00	0.00	16.55	6.96	2.00	0.00	1.00	0.00
16.57	7.01	2.00	0.00	1.00	0.00	16.59	7.12	2.00	0.00	1.00	0.00
16.61	7.34	2.00	0.00	1.00	0.00	16.63	7.34	2.00	0.00	1.00	0.00
16.65	7.25	2.00	0.00	1.00	0.00	16.67	6.85	2.00	0.00	1.00	0.00
16.69	6.77	2.00	0.00	1.00	0.00	16.71	6.96	2.00	0.00	1.00	0.00
16.73	7.20	2.00	0.00	1.00	0.00	16.75	7.68	2.00	0.00	1.00	0.00
16.77	7.84	2.00	0.00	1.00	0.00	16.79	8.17	2.00	0.00	1.00	0.00
16.81	8.16	2.00	0.00	1.00	0.00	16.83	10.28	2.00	0.00	1.00	0.00
16.85	10.14	2.00	0.00	1.00	0.00	16.87	9.86	2.00	0.00	1.00	0.00
16.89	9.48	2.00	0.00	1.00	0.00	16.91	9.53	2.00	0.00	1.00	0.00
16.93	9.25	2.00	0.00	1.00	0.00	16.95	9.46	2.00	0.00	1.00	0.00
16.97	9.05	2.00	0.00	1.00	0.00	16.99	8.64	2.00	0.00	1.00	0.00
17.01	8.37	2.00	0.00	1.00	0.00	17.03	7.89	2.00	0.00	1.00	0.00
17.05	7.29	2.00	0.00	1.00	0.00	17.07	6.67	2.00	0.00	1.00	0.00
17.09	6.57	2.00	0.00	1.00	0.00	17.11	7.60	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.13	9.19	2.00	0.00	1.00	0.00	17.15	10.03	2.00	0.00	1.00	0.00
17.17	9.97	2.00	0.00	1.00	0.00	17.19	9.77	2.00	0.00	1.00	0.00
17.21	9.55	2.00	0.00	1.00	0.00	17.23	9.94	2.00	0.00	1.00	0.00
17.25	10.02	2.00	0.00	1.00	0.00	17.27	9.82	2.00	0.00	1.00	0.00
17.29	9.98	2.00	0.00	1.00	0.00	17.31	10.00	2.00	0.00	1.00	0.00
17.33	9.99	2.00	0.00	1.00	0.00	17.35	9.66	2.00	0.00	1.00	0.00
17.37	9.45	2.00	0.00	1.00	0.00	17.39	8.69	2.00	0.00	1.00	0.00
17.41	8.34	2.00	0.00	1.00	0.00	17.43	7.80	2.00	0.00	1.00	0.00
17.45	7.35	2.00	0.00	1.00	0.00	17.47	7.13	2.00	0.00	1.00	0.00
17.49	7.36	2.00	0.00	1.00	0.00	17.51	7.44	2.00	0.00	1.00	0.00
17.53	7.24	2.00	0.00	1.00	0.00	17.55	7.05	2.00	0.00	1.00	0.00
17.57	6.91	2.00	0.00	1.00	0.00	17.59	7.02	2.00	0.00	1.00	0.00
17.61	7.45	2.00	0.00	1.00	0.00	17.62	7.97	2.00	0.00	1.00	0.00
17.64	8.39	2.00	0.00	1.00	0.00	17.66	8.70	2.00	0.00	1.00	0.00
17.68	9.11	2.00	0.00	1.00	0.00	17.70	9.08	2.00	0.00	1.00	0.00
17.72	9.08	2.00	0.00	1.00	0.00	17.74	9.33	2.00	0.00	1.00	0.00
17.76	9.54	2.00	0.00	1.00	0.00	17.78	8.98	2.00	0.00	1.00	0.00
17.80	8.69	2.00	0.00	1.00	0.00	17.82	8.68	2.00	0.00	1.00	0.00
17.84	8.90	2.00	0.00	1.00	0.00	17.86	8.98	2.00	0.00	1.00	0.00
17.88	8.86	2.00	0.00	1.00	0.00	17.90	8.52	2.00	0.00	1.00	0.00
17.92	8.41	2.00	0.00	1.00	0.00	17.94	8.38	2.00	0.00	1.00	0.00
17.96	8.24	2.00	0.00	1.00	0.00	17.98	7.98	2.00	0.00	1.00	0.00
18.00	7.82	2.00	0.00	1.00	0.00	18.02	7.99	2.00	0.00	1.00	0.00
18.04	8.35	2.00	0.00	1.00	0.00	18.06	8.40	2.00	0.00	1.00	0.00
18.08	8.42	2.00	0.00	1.00	0.00	18.10	8.68	2.00	0.00	1.00	0.00
18.12	9.09	2.00	0.00	1.00	0.00	18.14	9.25	2.00	0.00	1.00	0.00
18.16	9.37	2.00	0.00	1.00	0.00	18.18	9.08	2.00	0.00	1.00	0.00
18.20	8.63	2.00	0.00	1.00	0.00	18.22	8.00	2.00	0.00	1.00	0.00
18.24	7.52	2.00	0.00	1.00	0.00	18.26	7.05	2.00	0.00	1.00	0.00
18.28	6.98	2.00	0.00	1.00	0.00	18.30	7.44	2.00	0.00	1.00	0.00
18.32	7.97	2.00	0.00	1.00	0.00	18.34	8.23	2.00	0.00	1.00	0.00
18.36	7.91	2.00	0.00	1.00	0.00	18.38	7.80	2.00	0.00	1.00	0.00
18.40	7.65	2.00	0.00	1.00	0.00	18.42	8.00	2.00	0.00	1.00	0.00
18.44	8.69	2.00	0.00	1.00	0.00	18.46	9.53	2.00	0.00	1.00	0.00
18.48	9.05	2.00	0.00	1.00	0.00	18.50	8.63	2.00	0.00	1.00	0.00
18.52	8.60	2.00	0.00	1.00	0.00	18.54	8.89	2.00	0.00	1.00	0.00
18.56	9.04	2.00	0.00	1.00	0.00	18.58	9.09	2.00	0.00	1.00	0.00
18.60	9.24	2.00	0.00	1.00	0.00	18.62	9.62	2.00	0.00	1.00	0.00
18.64	10.27	2.00	0.00	1.00	0.00	18.66	10.36	2.00	0.00	1.00	0.00
18.68	10.67	2.00	0.00	1.00	0.00	18.70	11.00	2.00	0.00	1.00	0.00
18.72	10.79	2.00	0.00	1.00	0.00	18.74	10.24	2.00	0.00	1.00	0.00
18.76	10.15	2.00	0.00	1.00	0.00	18.78	10.02	2.00	0.00	1.00	0.00
18.80	9.70	2.00	0.00	1.00	0.00	18.82	9.60	2.00	0.00	1.00	0.00
18.84	9.10	2.00	0.00	1.00	0.00	18.86	9.98	2.00	0.00	1.00	0.00
18.88	9.81	2.00	0.00	1.00	0.00	18.90	9.44	2.00	0.00	1.00	0.00
18.92	9.36	2.00	0.00	1.00	0.00	18.94	9.57	2.00	0.00	1.00	0.00
18.96	10.36	2.00	0.00	1.00	0.00	18.98	11.41	2.00	0.00	1.00	0.00
19.00	11.74	2.00	0.00	1.00	0.00	19.02	11.49	2.00	0.00	1.00	0.00
19.04	10.99	2.00	0.00	1.00	0.00	19.06	10.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.08	10.02	2.00	0.00	1.00	0.00	19.10	9.91	2.00	0.00	1.00	0.00
19.12	9.55	2.00	0.00	1.00	0.00	19.14	8.60	2.00	0.00	1.00	0.00
19.16	7.98	2.00	0.00	1.00	0.00	19.18	7.95	2.00	0.00	1.00	0.00
19.20	9.41	2.00	0.00	1.00	0.00	19.22	12.24	2.00	0.00	1.00	0.00
19.24	19.52	2.00	0.00	1.00	0.00	19.26	24.96	2.00	0.00	1.00	0.00
19.28	21.98	2.00	0.00	1.00	0.00	19.30	16.45	2.00	0.00	1.00	0.00
19.32	11.24	2.00	0.00	1.00	0.00	19.34	8.47	2.00	0.00	1.00	0.00
19.36	7.76	2.00	0.00	1.00	0.00	19.38	6.90	2.00	0.00	1.00	0.00
19.40	7.32	2.00	0.00	1.00	0.00	19.42	8.40	2.00	0.00	1.00	0.00
19.44	9.61	2.00	0.00	1.00	0.00	19.46	10.60	2.00	0.00	1.00	0.00
19.48	10.19	2.00	0.00	1.00	0.00	19.50	9.62	2.00	0.00	1.00	0.00
19.52	8.85	2.00	0.00	1.00	0.00	19.54	8.83	2.00	0.00	1.00	0.00
19.56	10.24	2.00	0.00	1.00	0.00	19.58	12.30	2.00	0.00	1.00	0.00
19.60	11.12	2.00	0.00	1.00	0.00	19.62	12.39	2.00	0.00	1.00	0.00
19.64	18.15	2.00	0.00	1.00	0.00	19.66	20.02	2.00	0.00	1.00	0.00
19.68	17.19	2.00	0.00	1.00	0.00	19.70	12.77	2.00	0.00	1.00	0.00
19.72	11.41	2.00	0.00	1.00	0.00	19.74	9.31	2.00	0.00	1.00	0.00
19.76	11.15	2.00	0.00	1.00	0.00	19.78	13.21	2.00	0.00	1.00	0.00
19.80	12.16	2.00	0.00	1.00	0.00	19.82	12.15	2.00	0.00	1.00	0.00
19.84	10.35	2.00	0.00	1.00	0.00	19.86	8.89	2.00	0.00	1.00	0.00
19.88	7.57	2.00	0.00	1.00	0.00	19.90	7.19	2.00	0.00	1.00	0.00
19.92	7.19	2.00	0.00	1.00	0.00	19.94	7.53	2.00	0.00	1.00	0.00
19.96	7.95	2.00	0.00	1.00	0.00	19.98	8.52	2.00	0.00	1.00	0.00

Total estimated settlement: 0.08

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

Dott. Geol. Stefania Asti
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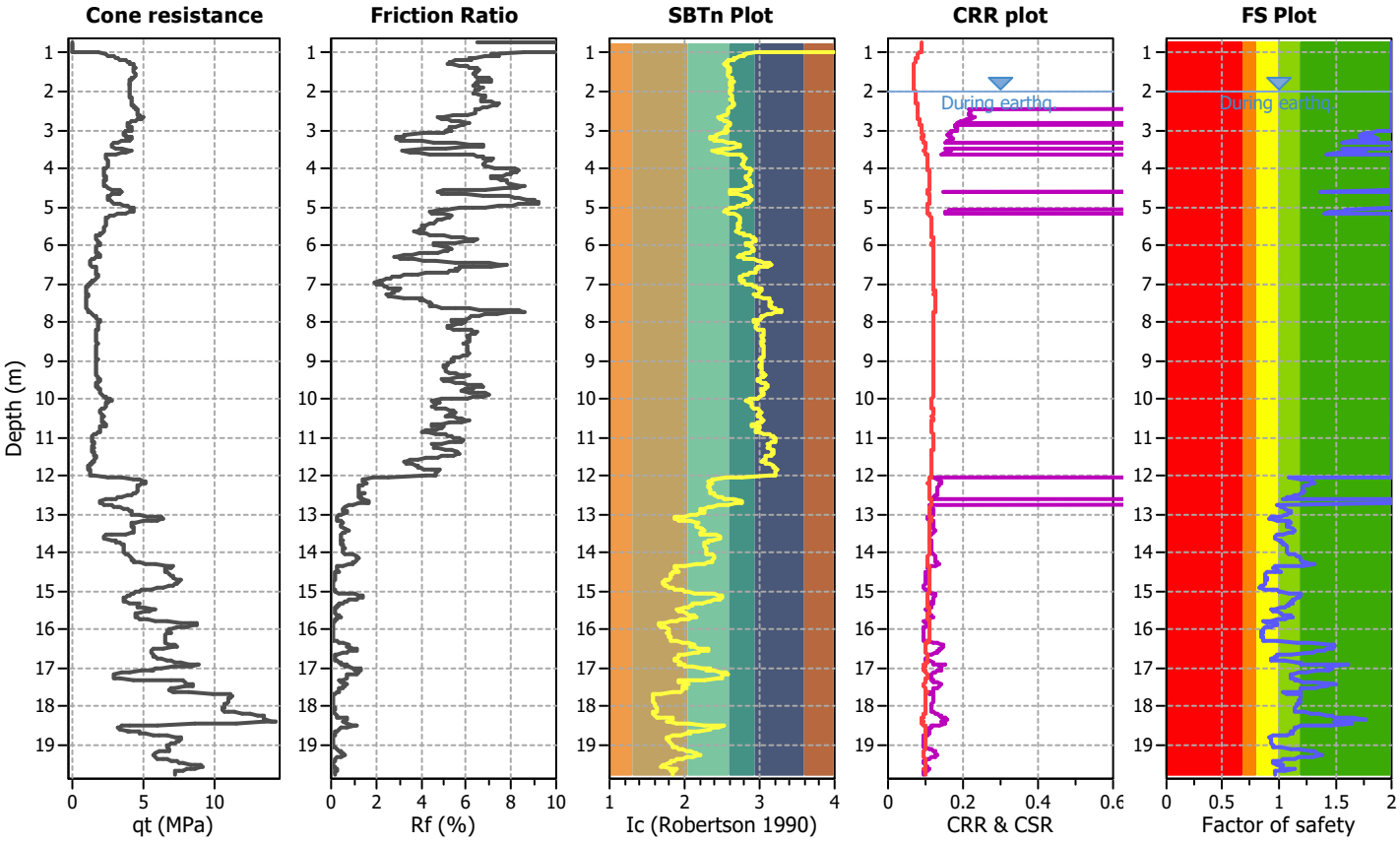
LIQUEFACTION ANALYSIS REPORT

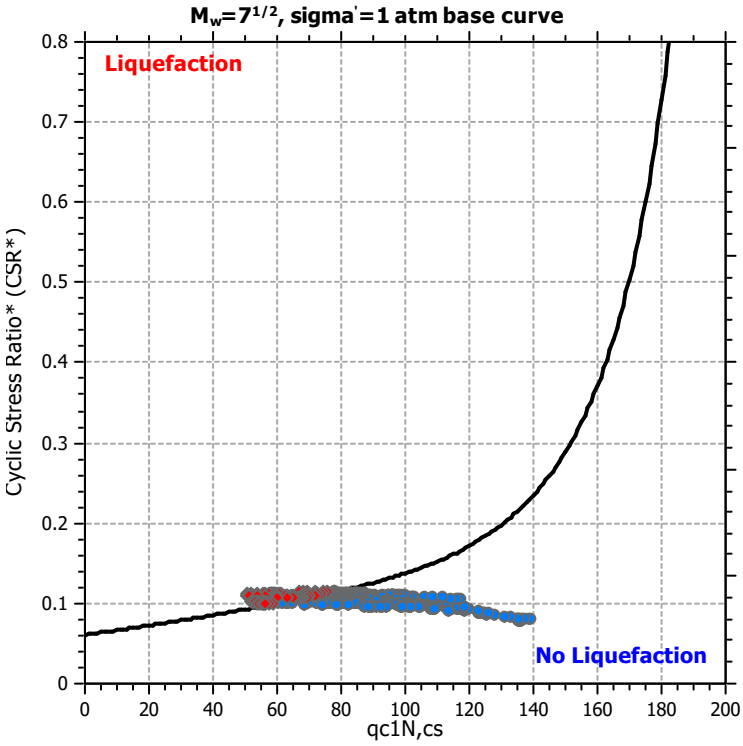
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

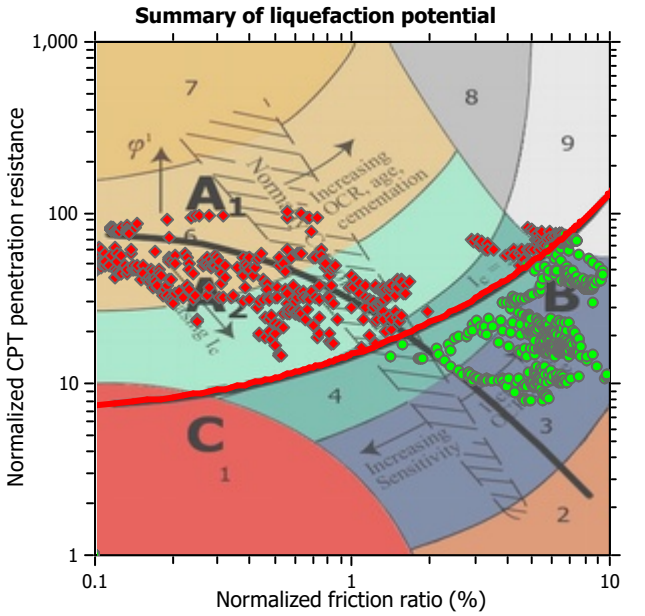
CPT file : P300 - CPTu-6

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

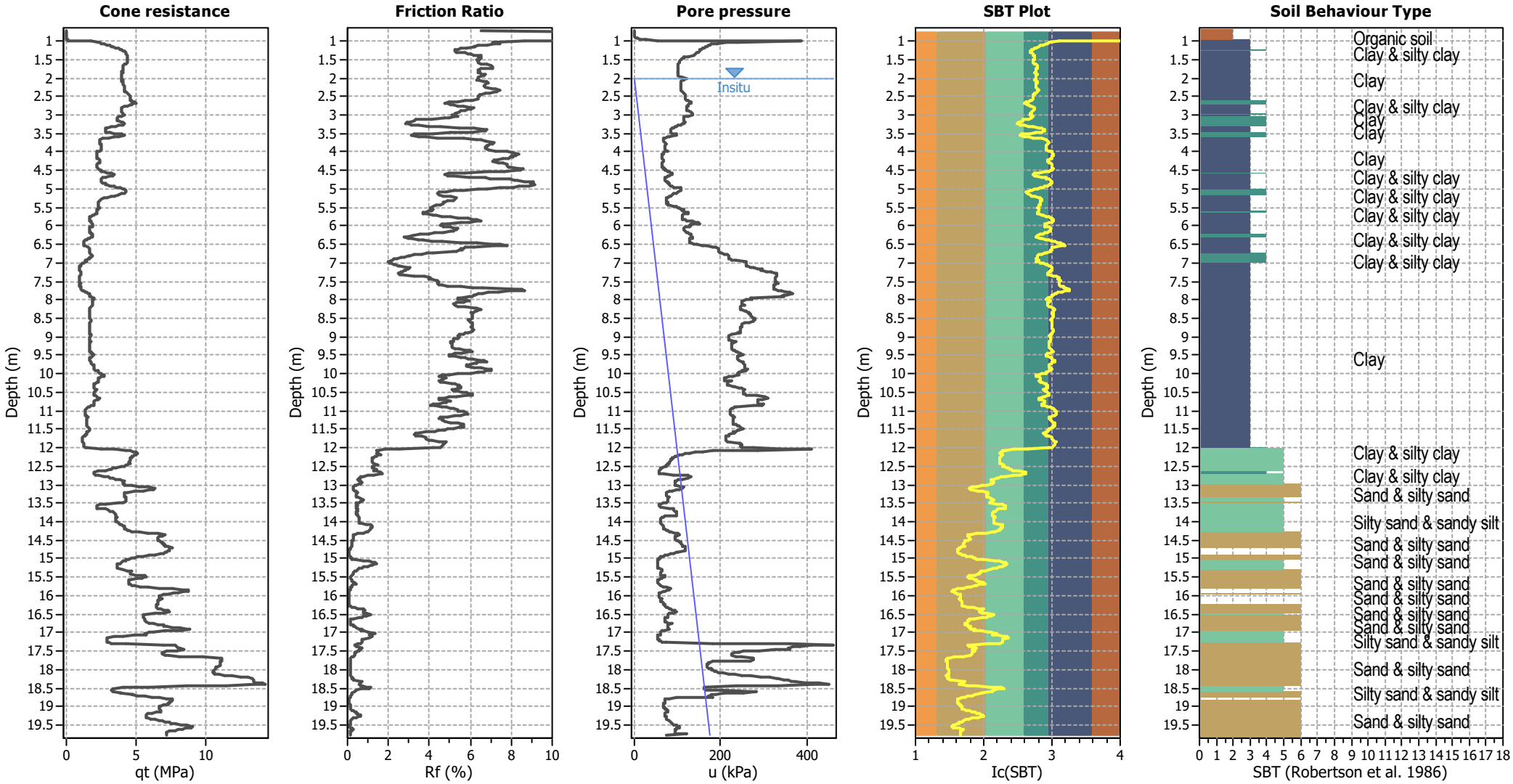






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



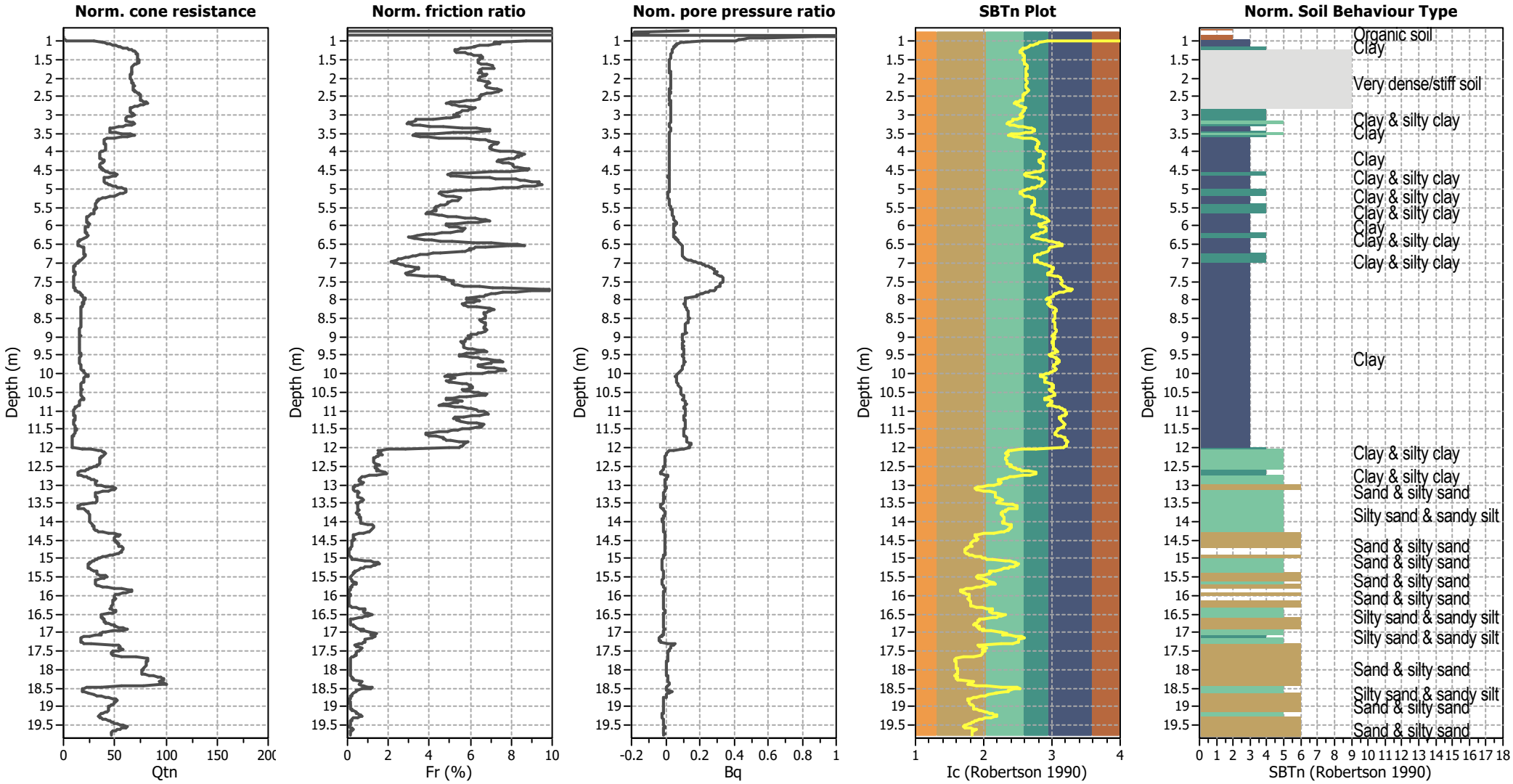
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



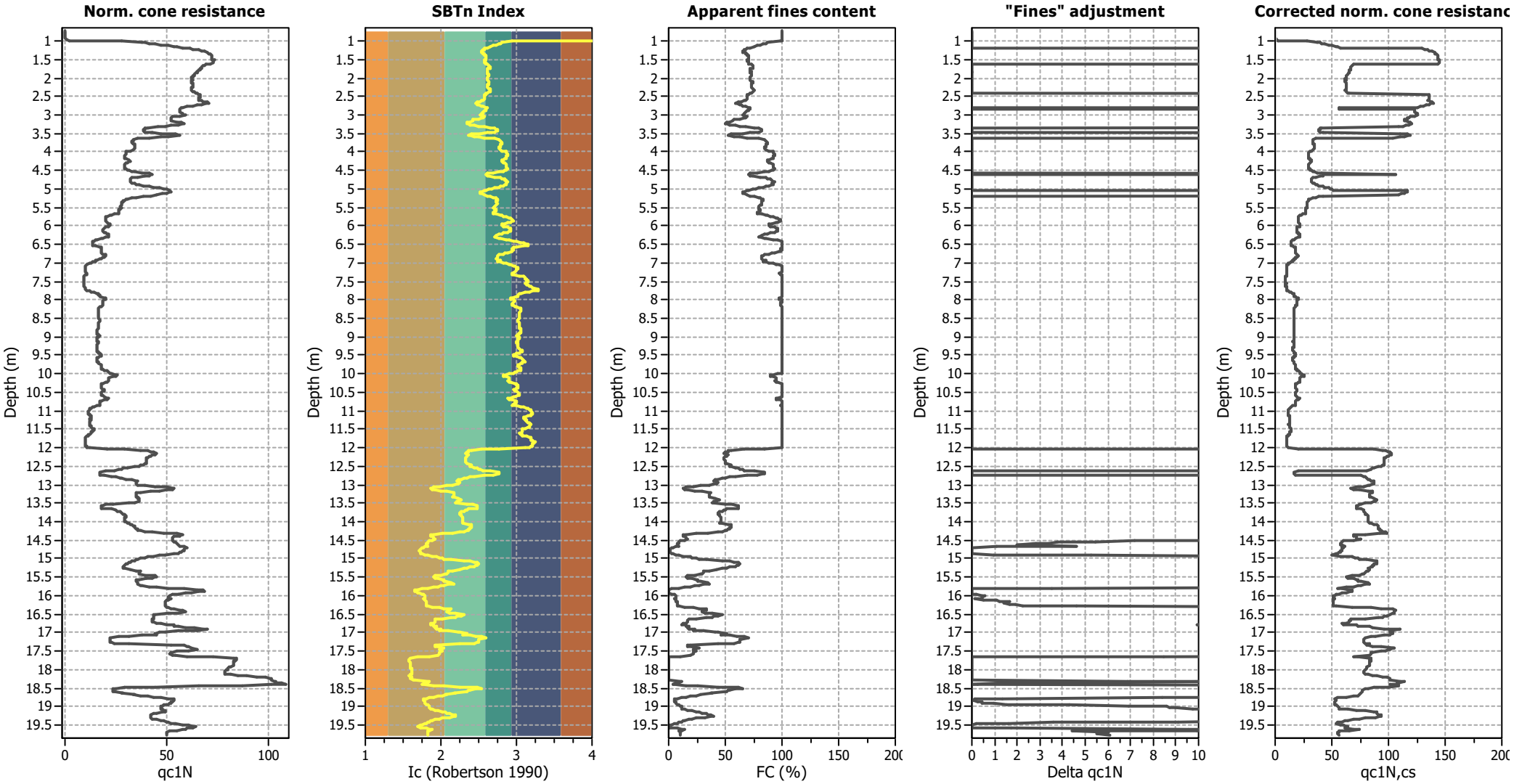
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

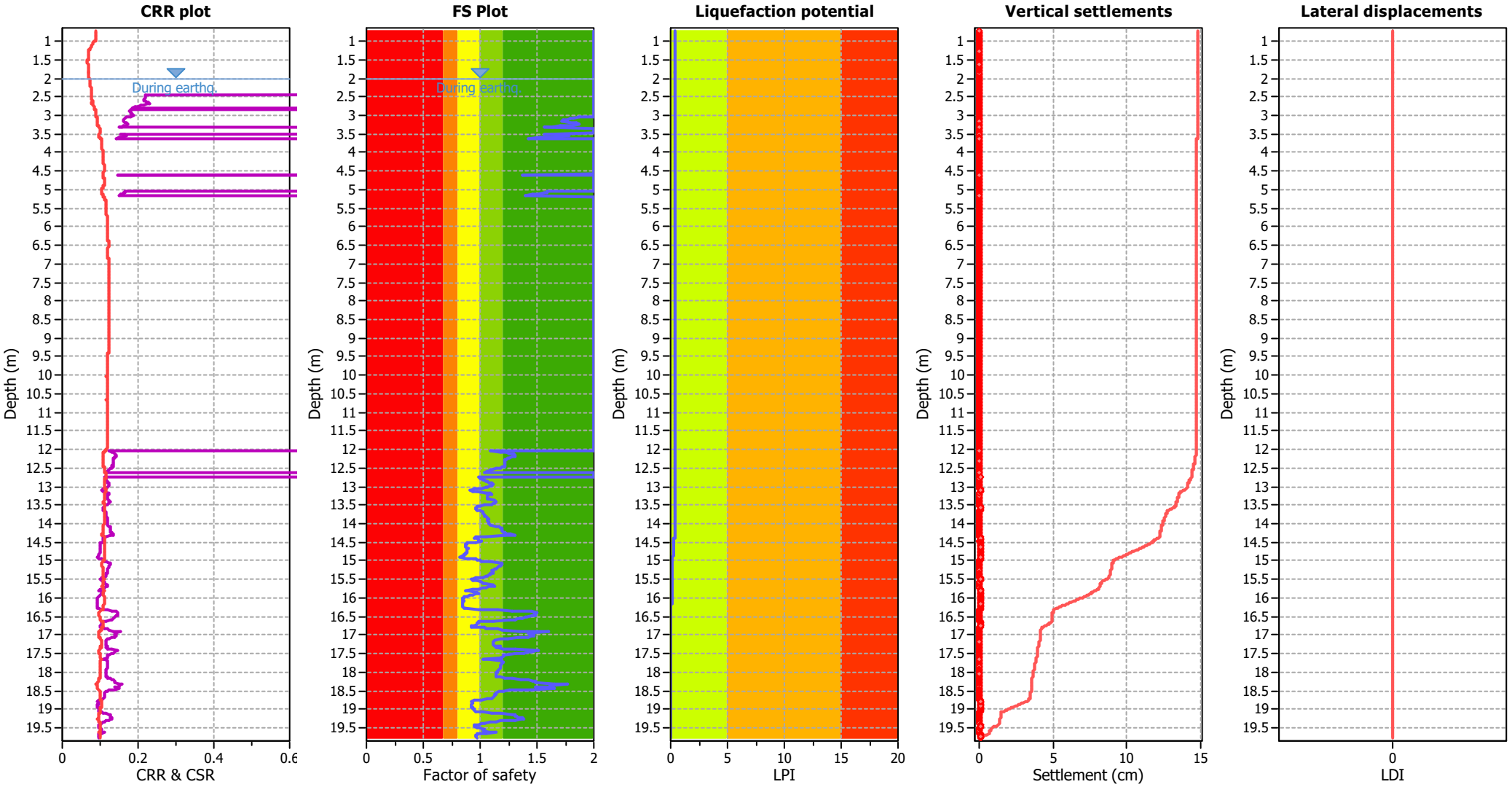
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

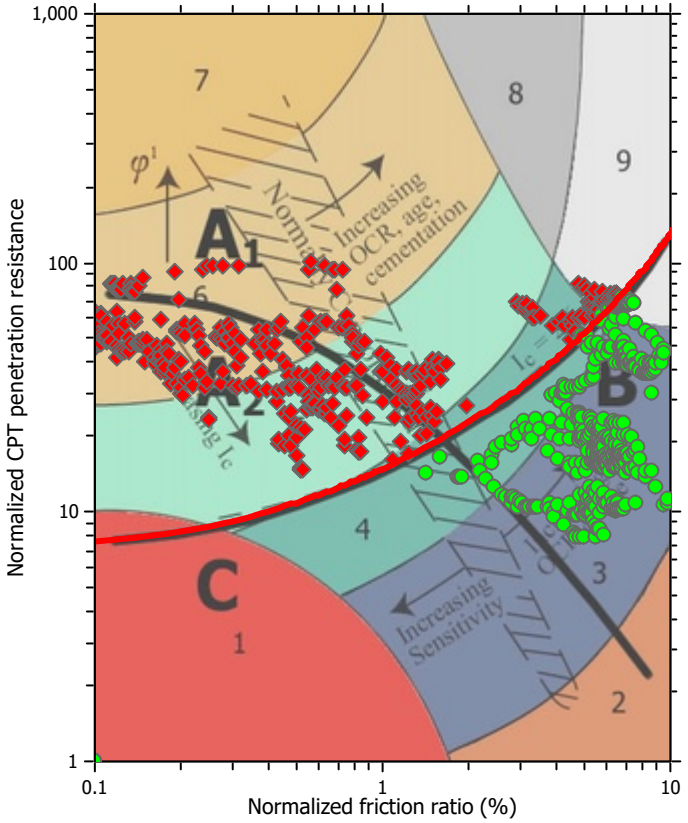
F.S. color scheme

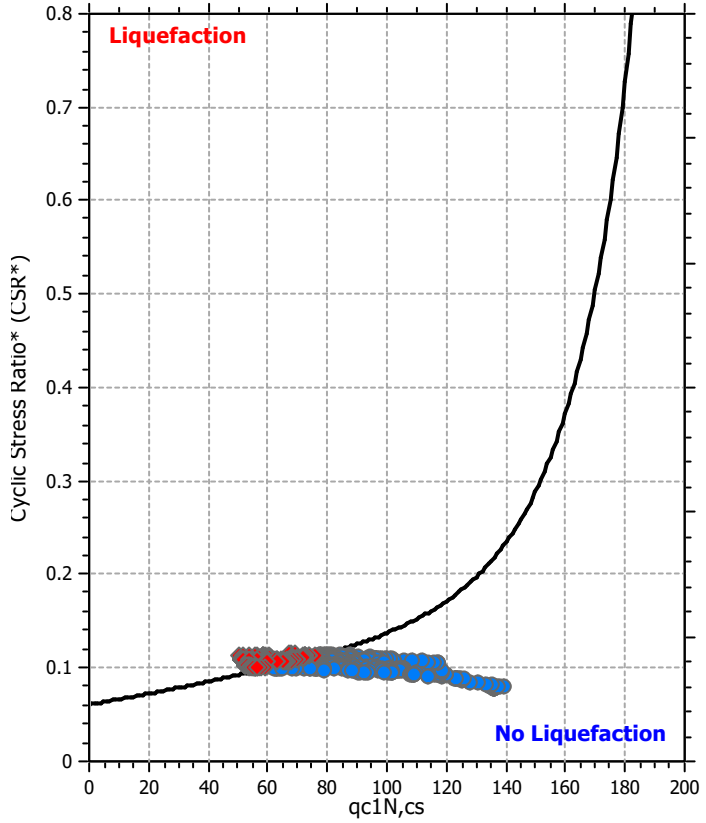
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

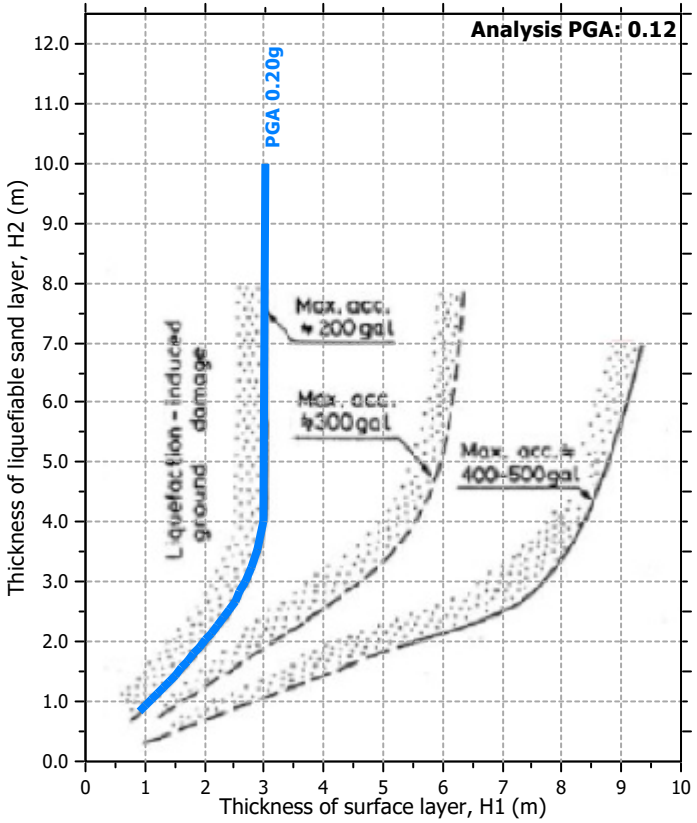
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



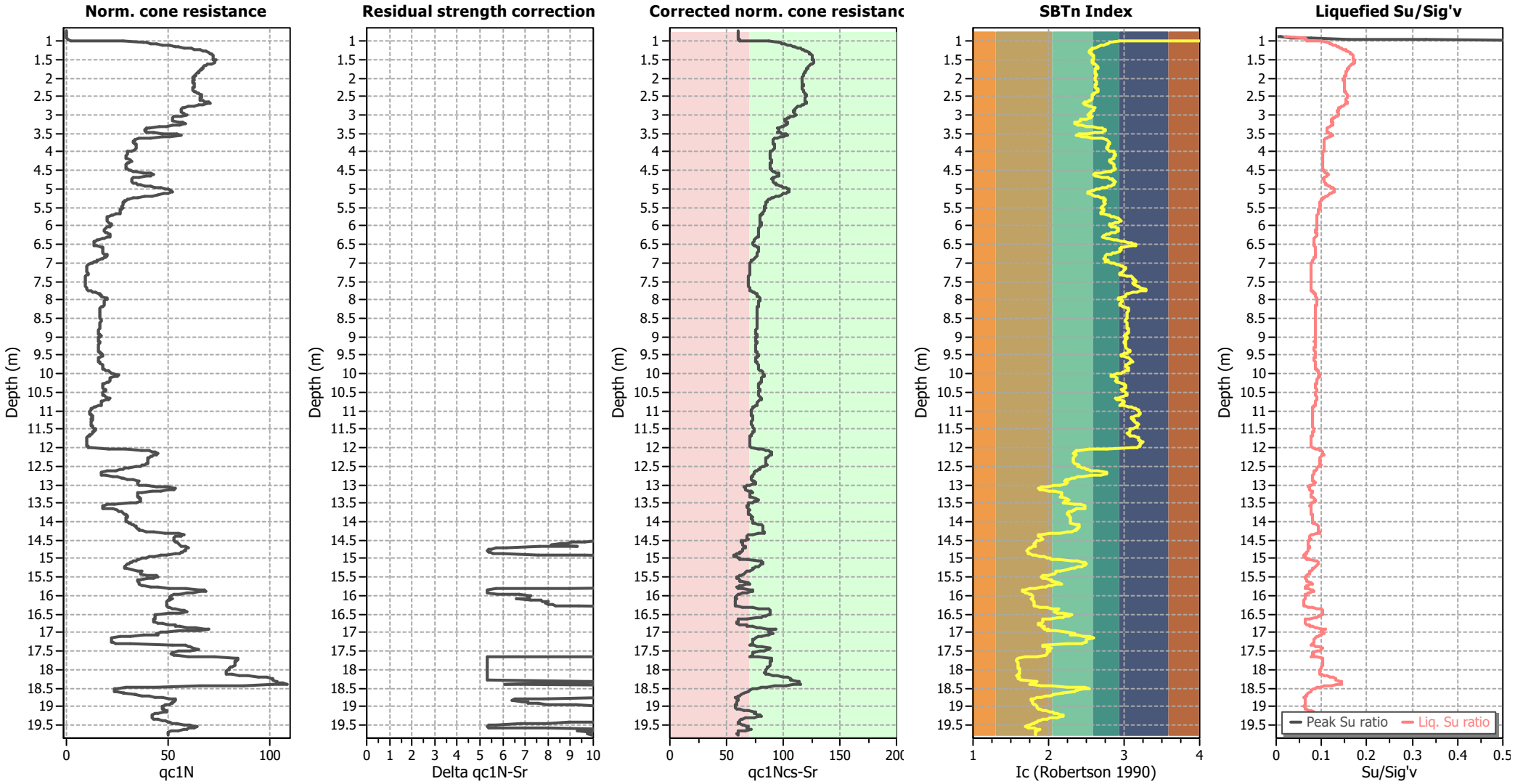




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	1.87	0.00	0.00	0.02	0.00	3.06	1.82	0.00	0.00	0.02	0.00
3.08	1.80	0.00	0.00	0.02	0.00	3.10	1.77	0.00	0.00	0.02	0.00
3.12	1.73	0.00	0.00	0.02	0.00	3.14	1.72	0.00	0.00	0.02	0.00
3.16	1.72	0.00	0.00	0.02	0.00	3.18	1.79	0.00	0.00	0.02	0.00
3.20	1.85	0.00	0.00	0.02	0.00	3.22	1.87	0.00	0.00	0.02	0.00
3.24	1.87	0.00	0.00	0.02	0.00	3.26	1.81	0.00	0.00	0.02	0.00
3.28	1.71	0.00	0.00	0.02	0.00	3.30	1.64	0.00	0.00	0.02	0.00
3.32	1.56	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	1.56	0.00	0.00	0.02	0.00
3.52	1.72	0.00	0.00	0.02	0.00	3.54	1.78	0.00	0.00	0.02	0.00
3.56	1.76	0.00	0.00	0.02	0.00	3.59	1.63	0.00	0.00	0.03	0.00
3.60	1.53	0.00	0.00	0.01	0.00	3.62	1.42	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	1.37	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	1.59	0.00	0.00	0.02	0.00
5.08	1.59	0.00	0.00	0.02	0.00	5.10	1.56	0.00	0.00	0.02	0.00
5.12	1.52	0.00	0.00	0.02	0.00	5.14	1.46	0.00	0.00	0.02	0.00
5.16	1.40	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	2.00	0.00	0.00	0.02	0.00	8.38	2.00	0.00	0.00	0.02	0.00
8.40	2.00	0.00	0.00	0.02	0.00	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.10	2.00	0.00	0.00	0.02	0.00
9.12	2.00	0.00	0.00	0.02	0.00	9.14	2.00	0.00	0.00	0.02	0.00
9.16	2.00	0.00	0.00	0.02	0.00	9.18	2.00	0.00	0.00	0.02	0.00
9.20	2.00	0.00	0.00	0.02	0.00	9.22	2.00	0.00	0.00	0.02	0.00
9.24	2.00	0.00	0.00	0.02	0.00	9.26	2.00	0.00	0.00	0.02	0.00
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	2.00	0.00	0.00	0.02	0.00	9.38	2.00	0.00	0.00	0.02	0.00
9.40	2.00	0.00	0.00	0.02	0.00	9.42	2.00	0.00	0.00	0.02	0.00
9.44	2.00	0.00	0.00	0.02	0.00	9.46	2.00	0.00	0.00	0.02	0.00
9.48	2.00	0.00	0.00	0.02	0.00	9.50	2.00	0.00	0.00	0.02	0.00
9.52	2.00	0.00	0.00	0.02	0.00	9.54	2.00	0.00	0.00	0.02	0.00
9.56	2.00	0.00	0.00	0.02	0.00	9.58	2.00	0.00	0.00	0.02	0.00
9.60	2.00	0.00	0.00	0.02	0.00	9.62	2.00	0.00	0.00	0.02	0.00
9.64	2.00	0.00	0.00	0.02	0.00	9.66	2.00	0.00	0.00	0.02	0.00
9.68	2.00	0.00	0.00	0.02	0.00	9.70	2.00	0.00	0.00	0.02	0.00
9.72	2.00	0.00	0.00	0.02	0.00	9.74	2.00	0.00	0.00	0.02	0.00
9.76	2.00	0.00	0.00	0.02	0.00	9.78	2.00	0.00	0.00	0.02	0.00
9.80	2.00	0.00	0.00	0.02	0.00	9.82	2.00	0.00	0.00	0.02	0.00
9.84	2.00	0.00	0.00	0.02	0.00	9.86	2.00	0.00	0.00	0.02	0.00
9.88	2.00	0.00	0.00	0.02	0.00	9.90	2.00	0.00	0.00	0.02	0.00
9.92	2.00	0.00	0.00	0.02	0.00	9.94	2.00	0.00	0.00	0.02	0.00
9.96	2.00	0.00	0.00	0.02	0.00	9.98	2.00	0.00	0.00	0.02	0.00
10.00	2.00	0.00	0.00	0.02	0.00	10.02	2.00	0.00	0.00	0.02	0.00
10.04	2.00	0.00	0.00	0.02	0.00	10.05	2.00	0.00	0.00	0.02	0.00
10.07	2.00	0.00	0.00	0.02	0.00	10.09	2.00	0.00	0.00	0.02	0.00
10.11	2.00	0.00	0.00	0.02	0.00	10.13	2.00	0.00	0.00	0.02	0.00
10.15	2.00	0.00	0.00	0.02	0.00	10.17	2.00	0.00	0.00	0.02	0.00
10.19	2.00	0.00	0.00	0.02	0.00	10.21	2.00	0.00	0.00	0.02	0.00
10.23	2.00	0.00	0.00	0.02	0.00	10.25	2.00	0.00	0.00	0.02	0.00
10.27	2.00	0.00	0.00	0.02	0.00	10.29	2.00	0.00	0.00	0.02	0.00
10.31	2.00	0.00	0.00	0.02	0.00	10.33	2.00	0.00	0.00	0.02	0.00
10.35	2.00	0.00	0.00	0.02	0.00	10.37	2.00	0.00	0.00	0.02	0.00
10.39	2.00	0.00	0.00	0.02	0.00	10.41	2.00	0.00	0.00	0.02	0.00
10.43	2.00	0.00	0.00	0.02	0.00	10.45	2.00	0.00	0.00	0.02	0.00
10.47	2.00	0.00	0.00	0.02	0.00	10.49	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.51	2.00	0.00	0.00	0.02	0.00	10.53	2.00	0.00	0.00	0.02	0.00
10.55	2.00	0.00	0.00	0.02	0.00	10.57	2.00	0.00	0.00	0.02	0.00
10.59	2.00	0.00	0.00	0.02	0.00	10.61	2.00	0.00	0.00	0.02	0.00
10.63	2.00	0.00	0.00	0.02	0.00	10.65	2.00	0.00	0.00	0.02	0.00
10.67	2.00	0.00	0.00	0.02	0.00	10.69	2.00	0.00	0.00	0.02	0.00
10.71	2.00	0.00	0.00	0.02	0.00	10.73	2.00	0.00	0.00	0.02	0.00
10.75	2.00	0.00	0.00	0.02	0.00	10.77	2.00	0.00	0.00	0.02	0.00
10.79	2.00	0.00	0.00	0.02	0.00	10.81	2.00	0.00	0.00	0.02	0.00
10.83	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.02	0.00
10.87	2.00	0.00	0.00	0.02	0.00	10.89	2.00	0.00	0.00	0.02	0.00
10.91	2.00	0.00	0.00	0.02	0.00	10.93	2.00	0.00	0.00	0.02	0.00
10.95	2.00	0.00	0.00	0.02	0.00	10.97	2.00	0.00	0.00	0.02	0.00
10.99	2.00	0.00	0.00	0.02	0.00	11.01	2.00	0.00	0.00	0.02	0.00
11.03	2.00	0.00	0.00	0.02	0.00	11.05	2.00	0.00	0.00	0.02	0.00
11.07	2.00	0.00	0.00	0.02	0.00	11.09	2.00	0.00	0.00	0.02	0.00
11.11	2.00	0.00	0.00	0.02	0.00	11.13	2.00	0.00	0.00	0.02	0.00
11.15	2.00	0.00	0.00	0.02	0.00	11.17	2.00	0.00	0.00	0.02	0.00
11.19	2.00	0.00	0.00	0.02	0.00	11.21	2.00	0.00	0.00	0.02	0.00
11.23	2.00	0.00	0.00	0.02	0.00	11.25	2.00	0.00	0.00	0.02	0.00
11.27	2.00	0.00	0.00	0.02	0.00	11.29	2.00	0.00	0.00	0.02	0.00
11.31	2.00	0.00	0.00	0.02	0.00	11.33	2.00	0.00	0.00	0.02	0.00
11.35	2.00	0.00	0.00	0.02	0.00	11.37	2.00	0.00	0.00	0.02	0.00
11.39	2.00	0.00	0.00	0.02	0.00	11.41	2.00	0.00	0.00	0.02	0.00
11.43	2.00	0.00	0.00	0.02	0.00	11.45	2.00	0.00	0.00	0.02	0.00
11.47	2.00	0.00	0.00	0.02	0.00	11.49	2.00	0.00	0.00	0.02	0.00
11.51	2.00	0.00	0.00	0.02	0.00	11.53	2.00	0.00	0.00	0.02	0.00
11.55	2.00	0.00	0.00	0.02	0.00	11.57	2.00	0.00	0.00	0.02	0.00
11.59	2.00	0.00	0.00	0.02	0.00	11.61	2.00	0.00	0.00	0.02	0.00
11.63	2.00	0.00	0.00	0.02	0.00	11.65	2.00	0.00	0.00	0.02	0.00
11.67	2.00	0.00	0.00	0.02	0.00	11.69	2.00	0.00	0.00	0.02	0.00
11.71	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	2.00	0.00	0.00	0.02	0.00	12.05	1.09	0.00	0.00	0.02	0.00
12.07	1.19	0.00	0.00	0.02	0.00	12.09	1.23	0.00	0.00	0.02	0.00
12.11	1.26	0.00	0.00	0.02	0.00	12.13	1.29	0.00	0.00	0.02	0.00
12.15	1.30	0.00	0.00	0.02	0.00	12.17	1.31	0.00	0.00	0.02	0.00
12.19	1.31	0.00	0.00	0.02	0.00	12.21	1.28	0.00	0.00	0.02	0.00
12.23	1.26	0.00	0.00	0.02	0.00	12.25	1.24	0.00	0.00	0.02	0.00
12.27	1.23	0.00	0.00	0.02	0.00	12.29	1.21	0.00	0.00	0.02	0.00
12.31	1.21	0.00	0.00	0.02	0.00	12.33	1.21	0.00	0.00	0.02	0.00
12.35	1.21	0.00	0.00	0.02	0.00	12.37	1.21	0.00	0.00	0.02	0.00
12.39	1.21	0.00	0.00	0.02	0.00	12.41	1.22	0.00	0.00	0.02	0.00
12.43	1.21	0.00	0.00	0.02	0.00	12.45	1.22	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.47	1.20	0.00	0.00	0.02	0.00	12.49	1.17	0.00	0.00	0.02	0.00
12.51	1.14	0.00	0.00	0.02	0.00	12.53	1.10	0.00	0.00	0.02	0.00
12.55	1.09	0.00	0.00	0.02	0.00	12.57	1.08	0.00	0.00	0.02	0.00
12.59	1.07	0.00	0.00	0.02	0.00	12.61	1.04	0.00	0.00	0.02	0.00
12.63	2.00	0.00	0.00	0.02	0.00	12.65	2.00	0.00	0.00	0.02	0.00
12.67	2.00	0.00	0.00	0.02	0.00	12.69	2.00	0.00	0.00	0.02	0.00
12.71	2.00	0.00	0.00	0.02	0.00	12.73	2.00	0.00	0.00	0.02	0.00
12.75	0.98	0.00	0.00	0.02	0.00	12.77	1.01	0.00	0.00	0.02	0.00
12.79	1.02	0.00	0.00	0.02	0.00	12.81	1.03	0.00	0.00	0.02	0.00
12.83	1.03	0.00	0.00	0.02	0.00	12.85	1.05	0.00	0.00	0.02	0.00
12.87	1.06	0.00	0.00	0.02	0.00	12.89	1.08	0.00	0.00	0.02	0.00
12.91	1.10	0.00	0.00	0.02	0.00	12.93	1.11	0.00	0.00	0.02	0.00
12.95	1.11	0.00	0.00	0.02	0.00	12.97	1.10	0.00	0.00	0.02	0.00
12.99	1.09	0.00	0.00	0.02	0.00	13.01	1.06	0.00	0.00	0.02	0.00
13.03	1.05	0.00	0.00	0.02	0.00	13.05	1.01	0.00	0.00	0.02	0.00
13.07	0.95	0.00	0.00	0.02	0.00	13.09	0.92	0.00	0.00	0.02	0.01
13.11	0.92	0.00	0.00	0.02	0.01	13.13	0.93	0.00	0.00	0.02	0.00
13.15	0.98	0.00	0.00	0.02	0.00	13.17	1.05	0.00	0.00	0.02	0.00
13.19	1.09	0.00	0.00	0.02	0.00	13.21	1.10	0.00	0.00	0.02	0.00
13.23	1.08	0.00	0.00	0.02	0.00	13.25	1.07	0.00	0.00	0.02	0.00
13.27	1.07	0.00	0.00	0.02	0.00	13.29	1.07	0.00	0.00	0.02	0.00
13.31	1.07	0.00	0.00	0.02	0.00	13.33	1.07	0.00	0.00	0.02	0.00
13.35	1.08	0.00	0.00	0.02	0.00	13.37	1.12	0.00	0.00	0.02	0.00
13.39	1.12	0.00	0.00	0.02	0.00	13.41	1.14	0.00	0.00	0.02	0.00
13.43	1.14	0.00	0.00	0.02	0.00	13.44	1.13	0.00	0.00	0.02	0.00
13.46	1.12	0.00	0.00	0.02	0.00	13.48	1.10	0.00	0.00	0.02	0.00
13.50	1.04	0.00	0.00	0.02	0.00	13.52	1.00	0.00	0.00	0.02	0.00
13.54	0.98	0.00	0.00	0.02	0.00	13.56	0.97	0.00	0.00	0.02	0.00
13.58	0.97	0.00	0.00	0.02	0.00	13.60	0.97	0.00	0.00	0.02	0.00
13.62	0.97	0.00	0.00	0.02	0.00	13.64	0.97	0.00	0.00	0.02	0.00
13.66	1.00	0.00	0.00	0.02	0.00	13.68	1.02	0.00	0.00	0.02	0.00
13.70	1.02	0.00	0.00	0.02	0.00	13.72	1.02	0.00	0.00	0.02	0.00
13.74	1.03	0.00	0.00	0.02	0.00	13.76	1.03	0.00	0.00	0.02	0.00
13.78	1.04	0.00	0.00	0.02	0.00	13.80	1.06	0.00	0.00	0.02	0.00
13.82	1.06	0.00	0.00	0.02	0.00	13.84	1.06	0.00	0.00	0.02	0.00
13.86	1.07	0.00	0.00	0.02	0.00	13.88	1.07	0.00	0.00	0.02	0.00
13.90	1.07	0.00	0.00	0.02	0.00	13.92	1.07	0.00	0.00	0.02	0.00
13.94	1.07	0.00	0.00	0.02	0.00	13.96	1.07	0.00	0.00	0.02	0.00
13.98	1.07	0.00	0.00	0.02	0.00	14.00	1.08	0.00	0.00	0.02	0.00
14.02	1.08	0.00	0.00	0.02	0.00	14.04	1.10	0.00	0.00	0.02	0.00
14.06	1.14	0.00	0.00	0.02	0.00	14.08	1.16	0.00	0.00	0.02	0.00
14.10	1.18	0.00	0.00	0.02	0.00	14.12	1.19	0.00	0.00	0.02	0.00
14.14	1.19	0.00	0.00	0.02	0.00	14.16	1.19	0.00	0.00	0.02	0.00
14.18	1.19	0.00	0.00	0.02	0.00	14.20	1.20	0.00	0.00	0.02	0.00
14.22	1.20	0.00	0.00	0.02	0.00	14.24	1.21	0.00	0.00	0.02	0.00
14.26	1.23	0.00	0.00	0.02	0.00	14.28	1.28	0.00	0.00	0.02	0.00
14.30	1.31	0.00	0.00	0.02	0.00	14.32	1.21	0.00	0.00	0.02	0.00
14.34	1.05	0.00	0.00	0.02	0.00	14.36	0.96	0.00	0.00	0.02	0.00
14.38	0.95	0.00	0.00	0.02	0.00	14.40	0.98	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.42	0.98	0.00	0.00	0.02	0.00	14.44	0.98	0.00	0.00	0.02	0.00
14.46	0.98	0.00	0.00	0.02	0.00	14.48	1.02	0.00	0.00	0.02	0.00
14.50	0.96	0.00	0.00	0.02	0.00	14.52	0.89	0.00	0.00	0.02	0.01
14.54	0.88	0.00	0.00	0.02	0.01	14.56	0.87	0.00	0.00	0.02	0.01
14.58	0.87	0.00	0.00	0.02	0.01	14.60	0.87	0.00	0.00	0.02	0.01
14.62	0.87	0.00	0.00	0.02	0.01	14.64	0.88	0.00	0.00	0.02	0.01
14.66	0.90	0.00	0.00	0.02	0.01	14.68	0.88	0.00	0.00	0.02	0.01
14.70	0.89	0.00	0.00	0.02	0.01	14.72	0.88	0.00	0.00	0.02	0.01
14.74	0.88	0.00	0.00	0.02	0.01	14.76	0.88	0.00	0.00	0.02	0.01
14.78	0.88	0.00	0.00	0.02	0.01	14.80	0.88	0.00	0.00	0.02	0.01
14.82	0.87	0.00	0.00	0.02	0.01	14.84	0.86	0.00	0.00	0.02	0.01
14.86	0.86	0.00	0.00	0.02	0.01	14.88	0.84	0.00	0.00	0.02	0.01
14.90	0.82	0.00	0.00	0.02	0.01	14.92	0.83	0.00	0.00	0.02	0.01
14.94	0.87	0.00	0.00	0.02	0.01	14.96	0.96	0.00	0.00	0.02	0.00
14.98	0.98	0.00	0.00	0.02	0.00	15.00	1.00	0.00	0.00	0.02	0.00
15.02	1.01	0.00	0.00	0.02	0.00	15.04	1.08	0.00	0.00	0.02	0.00
15.06	1.17	0.00	0.00	0.02	0.00	15.08	1.19	0.00	0.00	0.02	0.00
15.10	1.19	0.00	0.00	0.02	0.00	15.12	1.19	0.00	0.00	0.02	0.00
15.14	1.19	0.00	0.00	0.02	0.00	15.16	1.17	0.00	0.00	0.02	0.00
15.18	1.15	0.00	0.00	0.02	0.00	15.20	1.15	0.00	0.00	0.02	0.00
15.22	1.14	0.00	0.00	0.02	0.00	15.24	1.13	0.00	0.00	0.02	0.00
15.26	1.12	0.00	0.00	0.02	0.00	15.28	1.11	0.00	0.00	0.02	0.00
15.30	1.12	0.00	0.00	0.02	0.00	15.32	1.11	0.00	0.00	0.02	0.00
15.34	1.09	0.00	0.00	0.02	0.00	15.36	1.08	0.00	0.00	0.02	0.00
15.38	1.08	0.00	0.00	0.02	0.00	15.39	1.07	0.00	0.00	0.02	0.00
15.41	1.06	0.00	0.00	0.02	0.00	15.43	1.03	0.00	0.00	0.02	0.00
15.45	0.96	0.00	0.00	0.02	0.00	15.47	0.93	0.00	0.00	0.02	0.00
15.49	0.93	0.00	0.00	0.02	0.00	15.51	0.94	0.00	0.00	0.02	0.00
15.53	0.98	0.00	0.00	0.02	0.00	15.55	1.01	0.00	0.00	0.02	0.00
15.57	1.02	0.00	0.00	0.02	0.00	15.59	1.02	0.00	0.00	0.02	0.00
15.61	1.04	0.00	0.00	0.02	0.00	15.63	1.11	0.00	0.00	0.02	0.00
15.65	1.11	0.00	0.00	0.02	0.00	15.67	1.13	0.00	0.00	0.02	0.00
15.69	1.08	0.00	0.00	0.02	0.00	15.71	1.05	0.00	0.00	0.02	0.00
15.73	1.02	0.00	0.00	0.02	0.00	15.75	0.99	0.00	0.00	0.02	0.00
15.77	0.93	0.00	0.00	0.02	0.00	15.79	0.87	0.00	0.00	0.02	0.01
15.81	0.90	0.00	0.00	0.02	0.00	15.83	0.95	0.00	0.00	0.02	0.00
15.85	0.98	0.00	0.00	0.02	0.00	15.87	0.98	0.00	0.00	0.02	0.00
15.89	0.96	0.00	0.00	0.02	0.00	15.91	0.93	0.00	0.00	0.02	0.00
15.93	0.91	0.00	0.00	0.02	0.00	15.95	0.88	0.00	0.00	0.02	0.00
15.97	0.86	0.00	0.00	0.02	0.01	15.99	0.86	0.00	0.00	0.02	0.01
16.01	0.85	0.00	0.00	0.02	0.01	16.03	0.85	0.00	0.00	0.02	0.01
16.05	0.85	0.00	0.00	0.02	0.01	16.07	0.85	0.00	0.00	0.02	0.01
16.09	0.86	0.00	0.00	0.02	0.01	16.11	0.85	0.00	0.00	0.02	0.01
16.13	0.85	0.00	0.00	0.02	0.01	16.15	0.85	0.00	0.00	0.02	0.01
16.17	0.85	0.00	0.00	0.02	0.01	16.19	0.85	0.00	0.00	0.02	0.01
16.21	0.85	0.00	0.00	0.02	0.01	16.23	0.85	0.00	0.00	0.02	0.01
16.25	0.85	0.00	0.00	0.02	0.01	16.27	0.85	0.00	0.00	0.02	0.01
16.29	0.87	0.00	0.00	0.02	0.00	16.31	0.98	0.00	0.00	0.02	0.00
16.33	1.16	0.00	0.00	0.02	0.00	16.35	1.28	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.37	1.45	0.00	0.00	0.02	0.00	16.39	1.50	0.00	0.00	0.02	0.00
16.41	1.48	0.00	0.00	0.02	0.00	16.43	1.49	0.00	0.00	0.02	0.00
16.45	1.49	0.00	0.00	0.02	0.00	16.47	1.48	0.00	0.00	0.02	0.00
16.49	1.47	0.00	0.00	0.02	0.00	16.51	1.41	0.00	0.00	0.02	0.00
16.53	1.40	0.00	0.00	0.02	0.00	16.55	1.37	0.00	0.00	0.02	0.00
16.57	1.33	0.00	0.00	0.02	0.00	16.59	1.31	0.00	0.00	0.02	0.00
16.61	1.26	0.00	0.00	0.02	0.00	16.63	1.11	0.00	0.00	0.02	0.00
16.65	0.98	0.00	0.00	0.02	0.00	16.67	0.98	0.00	0.00	0.02	0.00
16.69	0.98	0.00	0.00	0.02	0.00	16.71	0.98	0.00	0.00	0.02	0.00
16.73	0.97	0.00	0.00	0.02	0.00	16.75	0.95	0.00	0.00	0.02	0.00
16.77	0.92	0.00	0.00	0.02	0.00	16.79	0.93	0.00	0.00	0.02	0.00
16.81	1.04	0.00	0.00	0.02	0.00	16.82	1.05	0.00	0.00	0.02	0.00
16.84	1.15	0.00	0.00	0.02	0.00	16.86	1.20	0.00	0.00	0.02	0.00
16.88	1.20	0.00	0.00	0.02	0.00	16.90	1.34	0.00	0.00	0.02	0.00
16.92	1.61	0.00	0.00	0.02	0.00	16.94	1.43	0.00	0.00	0.02	0.00
16.96	1.48	0.00	0.00	0.02	0.00	16.98	1.47	0.00	0.00	0.02	0.00
17.00	1.44	0.00	0.00	0.02	0.00	17.02	1.47	0.00	0.00	0.02	0.00
17.04	1.44	0.00	0.00	0.02	0.00	17.06	1.42	0.00	0.00	0.02	0.00
17.08	1.34	0.00	0.00	0.02	0.00	17.10	1.24	0.00	0.00	0.02	0.00
17.12	1.18	0.00	0.00	0.02	0.00	17.14	1.13	0.00	0.00	0.02	0.00
17.16	1.11	0.00	0.00	0.02	0.00	17.18	1.11	0.00	0.00	0.02	0.00
17.20	1.11	0.00	0.00	0.02	0.00	17.22	1.11	0.00	0.00	0.02	0.00
17.24	1.11	0.00	0.00	0.02	0.00	17.26	1.12	0.00	0.00	0.02	0.00
17.28	1.13	0.00	0.00	0.02	0.00	17.30	1.18	0.00	0.00	0.02	0.00
17.32	1.14	0.00	0.00	0.02	0.00	17.34	1.16	0.00	0.00	0.02	0.00
17.36	1.20	0.00	0.00	0.02	0.00	17.38	1.31	0.00	0.00	0.02	0.00
17.40	1.52	0.00	0.00	0.02	0.00	17.42	1.50	0.00	0.00	0.02	0.00
17.44	1.45	0.00	0.00	0.02	0.00	17.46	1.42	0.00	0.00	0.02	0.00
17.48	1.38	0.00	0.00	0.02	0.00	17.50	1.31	0.00	0.00	0.02	0.00
17.52	1.22	0.00	0.00	0.02	0.00	17.54	1.20	0.00	0.00	0.02	0.00
17.56	1.20	0.00	0.00	0.02	0.00	17.58	1.20	0.00	0.00	0.02	0.00
17.60	1.18	0.00	0.00	0.02	0.00	17.62	1.19	0.00	0.00	0.02	0.00
17.64	1.03	0.00	0.00	0.02	0.00	17.66	1.07	0.00	0.00	0.02	0.00
17.68	1.18	0.00	0.00	0.02	0.00	17.70	1.20	0.00	0.00	0.02	0.00
17.72	1.19	0.00	0.00	0.02	0.00	17.74	1.20	0.00	0.00	0.02	0.00
17.76	1.20	0.00	0.00	0.02	0.00	17.78	1.19	0.00	0.00	0.02	0.00
17.80	1.19	0.00	0.00	0.02	0.00	17.82	1.18	0.00	0.00	0.02	0.00
17.84	1.18	0.00	0.00	0.02	0.00	17.86	1.18	0.00	0.00	0.02	0.00
17.88	1.18	0.00	0.00	0.02	0.00	17.90	1.19	0.00	0.00	0.02	0.00
17.92	1.17	0.00	0.00	0.02	0.00	17.94	1.16	0.00	0.00	0.02	0.00
17.95	1.16	0.00	0.00	0.02	0.00	17.97	1.16	0.00	0.00	0.02	0.00
17.99	1.15	0.00	0.00	0.02	0.00	18.01	1.15	0.00	0.00	0.02	0.00
18.03	1.14	0.00	0.00	0.02	0.00	18.05	1.14	0.00	0.00	0.02	0.00
18.07	1.14	0.00	0.00	0.02	0.00	18.09	1.14	0.00	0.00	0.02	0.00
18.11	1.15	0.00	0.00	0.02	0.00	18.13	1.18	0.00	0.00	0.02	0.00
18.15	1.22	0.00	0.00	0.02	0.00	18.17	1.28	0.00	0.00	0.02	0.00
18.19	1.36	0.00	0.00	0.02	0.00	18.21	1.42	0.00	0.00	0.02	0.00
18.23	1.47	0.00	0.00	0.02	0.00	18.25	1.48	0.00	0.00	0.02	0.00
18.27	1.49	0.00	0.00	0.02	0.00	18.29	1.48	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.31	1.65	0.00	0.00	0.02	0.00	18.33	1.77	0.00	0.00	0.02	0.00
18.35	1.63	0.00	0.00	0.02	0.00	18.37	1.62	0.00	0.00	0.02	0.00
18.39	1.64	0.00	0.00	0.02	0.00	18.41	1.49	0.00	0.00	0.02	0.00
18.43	1.65	0.00	0.00	0.02	0.00	18.45	1.66	0.00	0.00	0.02	0.00
18.47	1.45	0.00	0.00	0.02	0.00	18.49	1.26	0.00	0.00	0.02	0.00
18.51	1.20	0.00	0.00	0.02	0.00	18.53	1.16	0.00	0.00	0.02	0.00
18.55	1.14	0.00	0.00	0.02	0.00	18.57	1.14	0.00	0.00	0.02	0.00
18.59	1.13	0.00	0.00	0.02	0.00	18.61	1.14	0.00	0.00	0.02	0.00
18.63	1.13	0.00	0.00	0.02	0.00	18.65	1.13	0.00	0.00	0.02	0.00
18.67	1.11	0.00	0.00	0.02	0.00	18.69	1.12	0.00	0.00	0.02	0.00
18.71	1.10	0.00	0.00	0.02	0.00	18.73	1.06	0.00	0.00	0.02	0.00
18.75	1.01	0.00	0.00	0.02	0.00	18.77	0.94	0.00	0.00	0.02	0.00
18.79	0.92	0.00	0.00	0.02	0.00	18.81	0.93	0.00	0.00	0.02	0.00
18.83	0.93	0.00	0.00	0.02	0.00	18.85	0.93	0.00	0.00	0.02	0.00
18.87	0.93	0.00	0.00	0.02	0.00	18.89	0.92	0.00	0.00	0.02	0.00
18.90	0.92	0.00	0.00	0.02	0.00	18.92	0.92	0.00	0.00	0.02	0.00
18.94	0.92	0.00	0.00	0.02	0.00	18.96	0.93	0.00	0.00	0.02	0.00
18.98	0.94	0.00	0.00	0.02	0.00	19.00	0.95	0.00	0.00	0.02	0.00
19.02	0.95	0.00	0.00	0.02	0.00	19.04	0.95	0.00	0.00	0.02	0.00
19.06	0.96	0.00	0.00	0.02	0.00	19.08	1.02	0.00	0.00	0.02	0.00
19.10	1.10	0.00	0.00	0.02	0.00	19.12	1.18	0.00	0.00	0.02	0.00
19.14	1.28	0.00	0.00	0.02	0.00	19.16	1.31	0.00	0.00	0.02	0.00
19.18	1.31	0.00	0.00	0.02	0.00	19.20	1.33	0.00	0.00	0.02	0.00
19.22	1.34	0.00	0.00	0.02	0.00	19.24	1.37	0.00	0.00	0.02	0.00
19.26	1.39	0.00	0.00	0.02	0.00	19.28	1.36	0.00	0.00	0.02	0.00
19.30	1.30	0.00	0.00	0.02	0.00	19.32	1.18	0.00	0.00	0.02	0.00
19.34	1.13	0.00	0.00	0.02	0.00	19.36	1.09	0.00	0.00	0.02	0.00
19.38	1.04	0.00	0.00	0.02	0.00	19.40	1.01	0.00	0.00	0.02	0.00
19.42	0.99	0.00	0.00	0.02	0.00	19.44	0.95	0.00	0.00	0.02	0.00
19.46	0.95	0.00	0.00	0.02	0.00	19.48	0.95	0.00	0.00	0.02	0.00
19.50	0.98	0.00	0.00	0.02	0.00	19.52	1.00	0.00	0.00	0.02	0.00
19.54	1.03	0.00	0.00	0.02	0.00	19.56	1.04	0.00	0.00	0.02	0.00
19.58	1.03	0.00	0.00	0.02	0.00	19.60	1.02	0.00	0.00	0.02	0.00
19.62	1.08	0.00	0.00	0.02	0.00	19.64	1.14	0.00	0.00	0.02	0.00
19.66	1.05	0.00	0.00	0.02	0.00	19.68	0.97	0.00	0.00	0.02	0.00
19.70	0.97	0.00	0.00	0.02	0.00	19.72	0.97	0.00	0.00	0.02	0.00
19.74	0.97	0.00	0.00	0.02	0.00	19.75	0.97	0.00	0.00	0.02	0.00
19.77	0.97	0.00	0.00	0.02	0.00						

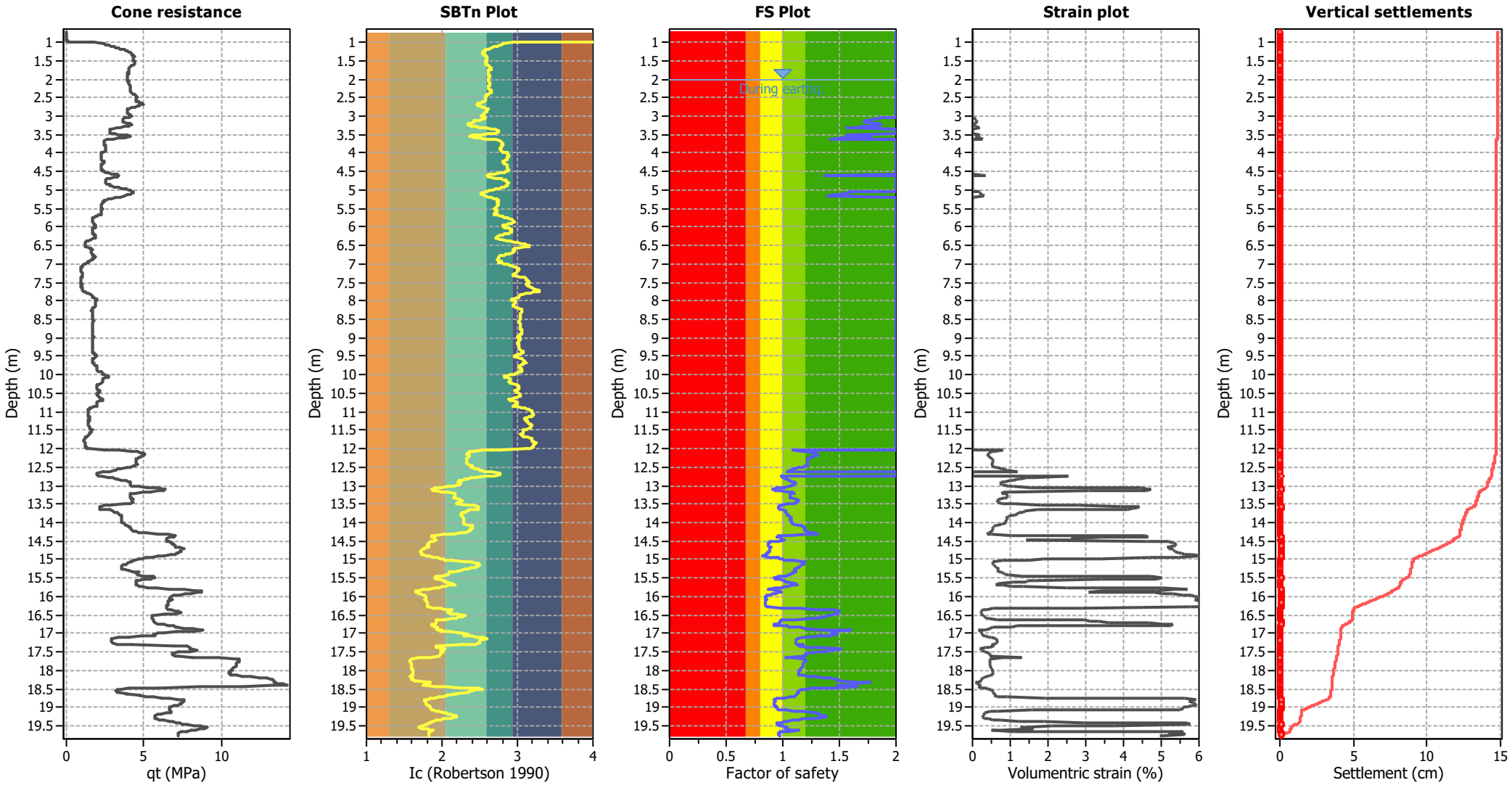
Overall liquefaction potential: 0.36

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.72	4.06	0.00	54.25	0.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	4.06	-1.00	54.25	-54.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	4.06	0.00	54.25	0.15	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	4.06	0.03	54.25	1.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	4.06	0.10	54.25	5.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	4.06	0.23	54.25	12.44	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	4.06	0.50	54.25	27.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	4.06	1.05	54.25	57.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	4.06	2.16	54.25	117.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.94	29.69	7.84	232.75	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.02	2.80	38.94	5.84	227.39	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.04	2.80	40.14	5.89	236.34	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.06	2.79	42.05	5.74	241.42	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.08	2.76	44.98	5.38	242.14	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.10	2.73	48.00	4.99	239.60	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.12	2.69	51.32	4.56	234.22	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.14	2.66	54.04	4.29	231.75	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.16	2.65	55.64	4.24	235.89	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.18	2.62	58.61	3.89	228.05	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.20	2.58	61.97	3.61	223.56	60	87538	0.07	0.002	0.00	3.58	0.00	0.000
1.22	2.57	63.61	3.49	221.78	59	88187	0.07	0.002	0.00	3.58	0.00	0.000
1.24	2.55	66.09	3.33	220.04	58	89338	0.07	0.002	0.00	3.58	0.00	0.000
1.26	2.54	67.51	3.28	221.37	58	90502	0.07	0.002	0.00	3.58	0.00	0.000
1.28	2.53	69.33	3.21	222.72	58	91904	0.07	0.002	0.00	3.58	0.00	0.000
1.30	2.53	70.93	3.21	227.80	60	94011	0.07	0.002	0.00	3.58	0.00	0.000
1.32	2.56	70.57	3.42	241.29	64	96798	0.07	0.002	0.00	3.58	0.00	0.000
1.34	2.56	71.13	3.46	246.11	65	98199	0.07	0.002	0.00	3.58	0.00	0.000
1.36	2.57	71.69	3.52	252.07	67	99849	0.07	0.002	0.00	3.58	0.00	0.000
1.38	2.57	73.04	3.53	258.01	69	101994	0.07	0.002	0.00	3.58	0.00	0.000
1.40	2.59	72.43	3.71	268.45	72	103845	0.07	0.002	0.00	3.58	0.00	0.000
1.42	2.59	72.48	3.67	266.09	72	103376	0.07	0.002	0.00	3.58	0.00	0.000
1.44	2.60	72.54	3.72	269.85	73	104212	0.07	0.002	0.00	3.58	0.00	0.000
1.46	2.60	72.59	3.73	270.53	73	104392	0.07	0.002	0.00	3.58	0.00	0.000
1.48	2.59	72.64	3.70	268.43	72	103979	0.07	0.002	0.00	3.58	0.00	0.000
1.50	2.59	72.62	3.67	266.42	72	103532	0.07	0.002	0.00	3.58	0.00	0.000
1.52	2.58	73.58	3.60	264.76	71	103790	0.07	0.002	0.00	3.58	0.00	0.000
1.54	2.59	73.10	3.63	265.44	71	103631	0.07	0.002	0.00	3.58	0.00	0.000
1.56	2.59	73.02	3.64	265.56	71	103606	0.07	0.002	0.00	3.58	0.00	0.000
1.58	2.59	72.94	3.64	265.68	71	103581	0.07	0.002	0.00	3.58	0.00	0.000
1.60	2.59	73.07	3.63	265.50	71	103625	0.07	0.002	0.00	3.58	0.00	0.000
1.62	2.60	71.59	3.74	267.78	72	103163	0.07	0.002	0.00	3.58	0.00	0.000
1.64	2.62	69.68	3.93	274.11	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.66	2.64	68.53	4.09	280.38	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.68	2.64	68.32	4.09	279.25	0	0	0.07	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.70	2.64	67.24	4.15	279.17	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.72	2.64	67.35	4.13	278.26	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.74	2.65	67.12	4.16	279.53	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.76	2.62	67.00	3.91	261.79	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.78	2.61	66.94	3.86	258.28	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.80	2.61	66.92	3.85	257.47	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.87	2.61	66.88	3.85	257.77	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.87	2.61	67.31	3.82	257.36	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.82	2.62	66.18	3.93	259.80	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.88	2.62	66.05	3.96	261.45	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.90	2.63	65.94	4.04	266.67	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.92	2.63	65.95	4.03	265.79	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.94	2.63	65.84	3.99	262.94	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.96	2.62	65.83	3.91	257.25	0	0	0.07	0.000	0.00	0.00	0.00	0.000
1.98	2.62	65.84	3.90	257.09	0	0	0.07	0.000	0.00	0.00	0.00	0.000
2.00	2.62	65.90	3.90	257.02	0	0	0.07	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	61.97	2.00	0.00	1.00	0.00	2.04	62.75	2.00	0.00	1.00	0.00
2.06	61.98	2.00	0.00	1.00	0.00	2.08	62.05	2.00	0.00	1.00	0.00
2.10	62.13	2.00	0.00	1.00	0.00	2.12	62.46	2.00	0.00	1.00	0.00
2.14	62.72	2.00	0.00	1.00	0.00	2.16	62.96	2.00	0.00	1.00	0.00
2.18	62.70	2.00	0.00	1.00	0.00	2.20	63.22	2.00	0.00	1.00	0.00
2.22	62.87	2.00	0.00	1.00	0.00	2.24	62.75	2.00	0.00	1.00	0.00
2.26	62.61	2.00	0.00	1.00	0.00	2.28	62.45	2.00	0.00	1.00	0.00
2.30	62.31	2.00	0.00	1.00	0.00	2.32	62.18	2.00	0.00	1.00	0.00
2.34	62.32	2.00	0.00	1.00	0.00	2.36	62.91	2.00	0.00	1.00	0.00
2.38	63.44	2.00	0.00	1.00	0.00	2.40	64.46	2.00	0.00	1.00	0.00
2.42	65.25	2.00	0.00	1.00	0.00	2.44	136.05	2.00	0.00	1.00	0.00
2.46	136.45	2.00	0.00	1.00	0.00	2.48	136.38	2.00	0.00	1.00	0.00
2.50	136.53	2.00	0.00	1.00	0.00	2.52	136.07	2.00	0.00	1.00	0.00
2.54	135.89	2.00	0.00	1.00	0.00	2.56	135.73	2.00	0.00	1.00	0.00
2.58	135.56	2.00	0.00	1.00	0.00	2.60	135.16	2.00	0.00	1.00	0.00
2.62	136.47	2.00	0.00	1.00	0.00	2.64	136.88	2.00	0.00	1.00	0.00
2.66	138.45	2.00	0.00	1.00	0.00	2.68	139.29	2.00	0.00	1.00	0.00
2.70	137.39	2.00	0.00	1.00	0.00	2.72	135.38	2.00	0.00	1.00	0.00
2.74	133.39	2.00	0.00	1.00	0.00	2.76	131.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.78	128.19	2.00	0.00	1.00	0.00	2.80	125.45	2.00	0.00	1.00	0.00
2.82	56.96	2.00	0.00	1.00	0.00	2.84	56.47	2.00	0.00	1.00	0.00
2.86	123.56	2.00	0.00	1.00	0.00	2.88	123.35	2.00	0.00	1.00	0.00
2.90	123.05	2.00	0.00	1.00	0.00	2.92	123.20	2.00	0.00	1.00	0.00
2.94	125.01	2.00	0.00	1.00	0.00	2.96	124.44	2.00	0.00	1.00	0.00
2.98	124.95	2.00	0.00	1.00	0.00	3.00	126.22	2.00	0.00	1.00	0.00
3.02	123.33	2.00	0.00	1.00	0.00	3.04	119.01	1.87	0.05	1.00	0.00
3.06	117.46	1.82	0.07	1.00	0.00	3.08	116.93	1.80	0.07	1.00	0.00
3.10	116.13	1.77	0.09	1.00	0.00	3.12	114.62	1.73	0.11	1.00	0.00
3.14	114.61	1.72	0.11	1.00	0.00	3.16	114.77	1.72	0.11	1.00	0.00
3.18	117.39	1.79	0.08	1.00	0.00	3.20	119.39	1.85	0.05	1.00	0.00
3.22	120.27	1.87	0.05	1.00	0.00	3.24	120.30	1.87	0.05	1.00	0.00
3.26	118.32	1.81	0.07	1.00	0.00	3.28	115.09	1.71	0.11	1.00	0.00
3.30	112.60	1.64	0.15	1.00	0.00	3.32	109.33	1.56	0.19	1.00	0.00
3.34	41.08	2.00	0.00	1.00	0.00	3.36	39.20	2.00	0.00	1.00	0.00
3.38	39.10	2.00	0.00	1.00	0.00	3.40	39.03	2.00	0.00	1.00	0.00
3.42	38.96	2.00	0.00	1.00	0.00	3.44	38.90	2.00	0.00	1.00	0.00
3.46	39.30	2.00	0.00	1.00	0.00	3.48	42.85	2.00	0.00	1.00	0.00
3.50	110.39	1.56	0.19	1.00	0.00	3.52	116.80	1.72	0.11	1.00	0.00
3.54	118.92	1.78	0.09	1.00	0.00	3.56	118.53	1.76	0.09	1.00	0.00
3.59	113.67	1.63	0.16	1.00	0.00	3.60	109.65	1.53	0.21	1.00	0.00
3.62	104.27	1.42	0.29	1.00	0.01	3.64	35.99	2.00	0.00	1.00	0.00
3.66	33.68	2.00	0.00	1.00	0.00	3.68	33.43	2.00	0.00	1.00	0.00
3.70	33.36	2.00	0.00	1.00	0.00	3.72	33.31	2.00	0.00	1.00	0.00
3.74	33.24	2.00	0.00	1.00	0.00	3.76	33.21	2.00	0.00	1.00	0.00
3.78	33.54	2.00	0.00	1.00	0.00	3.80	34.36	2.00	0.00	1.00	0.00
3.82	34.26	2.00	0.00	1.00	0.00	3.84	34.29	2.00	0.00	1.00	0.00
3.86	34.22	2.00	0.00	1.00	0.00	3.88	34.52	2.00	0.00	1.00	0.00
3.90	34.39	2.00	0.00	1.00	0.00	3.92	34.39	2.00	0.00	1.00	0.00
3.94	33.80	2.00	0.00	1.00	0.00	3.96	33.88	2.00	0.00	1.00	0.00
3.98	32.17	2.00	0.00	1.00	0.00	4.00	30.28	2.00	0.00	1.00	0.00
4.02	30.09	2.00	0.00	1.00	0.00	4.04	29.90	2.00	0.00	1.00	0.00
4.06	29.81	2.00	0.00	1.00	0.00	4.08	29.76	2.00	0.00	1.00	0.00
4.10	29.71	2.00	0.00	1.00	0.00	4.12	29.66	2.00	0.00	1.00	0.00
4.14	29.62	2.00	0.00	1.00	0.00	4.16	29.68	2.00	0.00	1.00	0.00
4.18	30.15	2.00	0.00	1.00	0.00	4.20	31.34	2.00	0.00	1.00	0.00
4.22	31.93	2.00	0.00	1.00	0.00	4.24	32.02	2.00	0.00	1.00	0.00
4.26	31.91	2.00	0.00	1.00	0.00	4.28	31.18	2.00	0.00	1.00	0.00
4.30	30.35	2.00	0.00	1.00	0.00	4.32	29.36	2.00	0.00	1.00	0.00
4.34	29.30	2.00	0.00	1.00	0.00	4.36	29.26	2.00	0.00	1.00	0.00
4.38	29.22	2.00	0.00	1.00	0.00	4.40	29.18	2.00	0.00	1.00	0.00
4.42	29.26	2.00	0.00	1.00	0.00	4.44	29.46	2.00	0.00	1.00	0.00
4.46	30.25	2.00	0.00	1.00	0.00	4.48	30.93	2.00	0.00	1.00	0.00
4.50	31.71	2.00	0.00	1.00	0.00	4.52	32.86	2.00	0.00	1.00	0.00
4.54	34.74	2.00	0.00	1.00	0.00	4.56	37.68	2.00	0.00	1.00	0.00
4.58	41.45	2.00	0.00	1.00	0.00	4.60	106.26	1.37	0.34	1.00	0.01
4.62	42.32	2.00	0.00	1.00	0.00	4.64	41.81	2.00	0.00	1.00	0.00
4.66	39.68	2.00	0.00	1.00	0.00	4.68	35.79	2.00	0.00	1.00	0.00
4.70	32.93	2.00	0.00	1.00	0.00	4.72	32.18	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.74	32.05	2.00	0.00	1.00	0.00	4.76	31.98	2.00	0.00	1.00	0.00
4.78	32.01	2.00	0.00	1.00	0.00	4.80	32.04	2.00	0.00	1.00	0.00
4.82	32.14	2.00	0.00	1.00	0.00	4.84	33.34	2.00	0.00	1.00	0.00
4.86	34.76	2.00	0.00	1.00	0.00	4.88	35.43	2.00	0.00	1.00	0.00
4.90	36.75	2.00	0.00	1.00	0.00	4.92	38.84	2.00	0.00	1.00	0.00
4.94	41.78	2.00	0.00	1.00	0.00	4.96	43.42	2.00	0.00	1.00	0.00
4.98	46.84	2.00	0.00	1.00	0.00	5.00	48.94	2.00	0.00	1.00	0.00
5.02	50.40	2.00	0.00	1.00	0.00	5.04	51.29	2.00	0.00	1.00	0.00
5.06	117.19	1.59	0.19	1.00	0.00	5.08	117.21	1.59	0.19	1.00	0.00
5.10	116.02	1.56	0.21	1.00	0.00	5.12	114.33	1.52	0.23	1.00	0.00
5.14	111.81	1.46	0.27	1.00	0.01	5.16	108.73	1.40	0.33	1.00	0.01
5.19	42.23	2.00	0.00	1.00	0.00	5.20	39.00	2.00	0.00	1.00	0.00
5.22	35.38	2.00	0.00	1.00	0.00	5.24	32.80	2.00	0.00	1.00	0.00
5.26	31.13	2.00	0.00	1.00	0.00	5.28	29.90	2.00	0.00	1.00	0.00
5.30	29.40	2.00	0.00	1.00	0.00	5.32	28.94	2.00	0.00	1.00	0.00
5.34	28.52	2.00	0.00	1.00	0.00	5.36	28.20	2.00	0.00	1.00	0.00
5.38	27.89	2.00	0.00	1.00	0.00	5.40	27.76	2.00	0.00	1.00	0.00
5.42	27.71	2.00	0.00	1.00	0.00	5.44	27.68	2.00	0.00	1.00	0.00
5.46	27.64	2.00	0.00	1.00	0.00	5.48	27.60	2.00	0.00	1.00	0.00
5.50	28.21	2.00	0.00	1.00	0.00	5.52	27.41	2.00	0.00	1.00	0.00
5.54	27.08	2.00	0.00	1.00	0.00	5.56	26.61	2.00	0.00	1.00	0.00
5.58	26.48	2.00	0.00	1.00	0.00	5.60	26.40	2.00	0.00	1.00	0.00
5.62	26.36	2.00	0.00	1.00	0.00	5.64	26.32	2.00	0.00	1.00	0.00
5.66	26.34	2.00	0.00	1.00	0.00	5.68	24.65	2.00	0.00	1.00	0.00
5.70	23.04	2.00	0.00	1.00	0.00	5.72	22.28	2.00	0.00	1.00	0.00
5.74	21.07	2.00	0.00	1.00	0.00	5.76	20.24	2.00	0.00	1.00	0.00
5.78	20.11	2.00	0.00	1.00	0.00	5.80	20.08	2.00	0.00	1.00	0.00
5.82	20.06	2.00	0.00	1.00	0.00	5.84	20.04	2.00	0.00	1.00	0.00
5.86	20.09	2.00	0.00	1.00	0.00	5.88	20.24	2.00	0.00	1.00	0.00
5.90	20.57	2.00	0.00	1.00	0.00	5.92	21.00	2.00	0.00	1.00	0.00
5.94	21.23	2.00	0.00	1.00	0.00	5.96	22.37	2.00	0.00	1.00	0.00
5.98	22.32	2.00	0.00	1.00	0.00	6.00	21.88	2.00	0.00	1.00	0.00
6.02	21.56	2.00	0.00	1.00	0.00	6.04	19.86	2.00	0.00	1.00	0.00
6.06	19.37	2.00	0.00	1.00	0.00	6.08	19.13	2.00	0.00	1.00	0.00
6.10	19.00	2.00	0.00	1.00	0.00	6.12	18.99	2.00	0.00	1.00	0.00
6.14	18.98	2.00	0.00	1.00	0.00	6.16	19.01	2.00	0.00	1.00	0.00
6.18	19.23	2.00	0.00	1.00	0.00	6.20	20.39	2.00	0.00	1.00	0.00
6.22	20.88	2.00	0.00	1.00	0.00	6.24	21.52	2.00	0.00	1.00	0.00
6.26	21.85	2.00	0.00	1.00	0.00	6.28	21.60	2.00	0.00	1.00	0.00
6.30	20.50	2.00	0.00	1.00	0.00	6.32	18.55	2.00	0.00	1.00	0.00
6.34	18.11	2.00	0.00	1.00	0.00	6.36	16.22	2.00	0.00	1.00	0.00
6.38	15.16	2.00	0.00	1.00	0.00	6.40	14.11	2.00	0.00	1.00	0.00
6.42	13.79	2.00	0.00	1.00	0.00	6.44	13.63	2.00	0.00	1.00	0.00
6.46	13.61	2.00	0.00	1.00	0.00	6.48	13.60	2.00	0.00	1.00	0.00
6.50	13.60	2.00	0.00	1.00	0.00	6.52	13.71	2.00	0.00	1.00	0.00
6.54	15.06	2.00	0.00	1.00	0.00	6.56	17.02	2.00	0.00	1.00	0.00
6.58	17.82	2.00	0.00	1.00	0.00	6.60	17.83	2.00	0.00	1.00	0.00
6.62	18.21	2.00	0.00	1.00	0.00	6.64	18.06	2.00	0.00	1.00	0.00
6.66	18.04	2.00	0.00	1.00	0.00	6.68	18.02	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.70	18.00	2.00	0.00	1.00	0.00	6.72	18.01	2.00	0.00	1.00	0.00
6.74	18.16	2.00	0.00	1.00	0.00	6.76	18.81	2.00	0.00	1.00	0.00
6.78	19.87	2.00	0.00	1.00	0.00	6.80	20.11	2.00	0.00	1.00	0.00
6.82	20.01	2.00	0.00	1.00	0.00	6.84	19.23	2.00	0.00	1.00	0.00
6.86	18.55	2.00	0.00	1.00	0.00	6.88	17.93	2.00	0.00	1.00	0.00
6.90	17.15	2.00	0.00	1.00	0.00	6.92	16.13	2.00	0.00	1.00	0.00
6.94	14.90	2.00	0.00	1.00	0.00	6.96	14.97	2.00	0.00	1.00	0.00
6.98	13.83	2.00	0.00	1.00	0.00	7.00	12.82	2.00	0.00	1.00	0.00
7.02	11.99	2.00	0.00	1.00	0.00	7.04	11.18	2.00	0.00	1.00	0.00
7.06	10.82	2.00	0.00	1.00	0.00	7.08	10.34	2.00	0.00	1.00	0.00
7.10	10.04	2.00	0.00	1.00	0.00	7.12	10.01	2.00	0.00	1.00	0.00
7.14	9.99	2.00	0.00	1.00	0.00	7.16	9.98	2.00	0.00	1.00	0.00
7.18	9.97	2.00	0.00	1.00	0.00	7.20	9.97	2.00	0.00	1.00	0.00
7.22	9.96	2.00	0.00	1.00	0.00	7.24	9.97	2.00	0.00	1.00	0.00
7.26	10.16	2.00	0.00	1.00	0.00	7.28	10.83	2.00	0.00	1.00	0.00
7.30	10.71	2.00	0.00	1.00	0.00	7.32	10.63	2.00	0.00	1.00	0.00
7.34	10.36	2.00	0.00	1.00	0.00	7.36	9.78	2.00	0.00	1.00	0.00
7.38	9.57	2.00	0.00	1.00	0.00	7.40	9.25	2.00	0.00	1.00	0.00
7.42	9.19	2.00	0.00	1.00	0.00	7.44	9.18	2.00	0.00	1.00	0.00
7.46	9.18	2.00	0.00	1.00	0.00	7.48	9.20	2.00	0.00	1.00	0.00
7.50	9.26	2.00	0.00	1.00	0.00	7.52	9.39	2.00	0.00	1.00	0.00
7.54	9.77	2.00	0.00	1.00	0.00	7.56	9.56	2.00	0.00	1.00	0.00
7.58	9.56	2.00	0.00	1.00	0.00	7.60	9.57	2.00	0.00	1.00	0.00
7.62	9.59	2.00	0.00	1.00	0.00	7.64	9.74	2.00	0.00	1.00	0.00
7.66	10.19	2.00	0.00	1.00	0.00	7.68	10.41	2.00	0.00	1.00	0.00
7.70	10.25	2.00	0.00	1.00	0.00	7.72	10.42	2.00	0.00	1.00	0.00
7.74	10.79	2.00	0.00	1.00	0.00	7.76	12.05	2.00	0.00	1.00	0.00
7.78	13.03	2.00	0.00	1.00	0.00	7.80	14.38	2.00	0.00	1.00	0.00
7.82	15.70	2.00	0.00	1.00	0.00	7.84	16.34	2.00	0.00	1.00	0.00
7.86	16.75	2.00	0.00	1.00	0.00	7.88	17.13	2.00	0.00	1.00	0.00
7.90	17.16	2.00	0.00	1.00	0.00	7.92	17.64	2.00	0.00	1.00	0.00
7.94	19.35	2.00	0.00	1.00	0.00	7.96	19.92	2.00	0.00	1.00	0.00
7.98	20.20	2.00	0.00	1.00	0.00	8.00	19.35	2.00	0.00	1.00	0.00
8.02	18.87	2.00	0.00	1.00	0.00	8.04	18.79	2.00	0.00	1.00	0.00
8.06	18.75	2.00	0.00	1.00	0.00	8.08	18.72	2.00	0.00	1.00	0.00
8.10	18.69	2.00	0.00	1.00	0.00	8.12	18.94	2.00	0.00	1.00	0.00
8.14	18.63	2.00	0.00	1.00	0.00	8.16	18.53	2.00	0.00	1.00	0.00
8.18	17.91	2.00	0.00	1.00	0.00	8.20	17.43	2.00	0.00	1.00	0.00
8.22	16.59	2.00	0.00	1.00	0.00	8.24	16.48	2.00	0.00	1.00	0.00
8.26	16.45	2.00	0.00	1.00	0.00	8.28	16.44	2.00	0.00	1.00	0.00
8.30	16.42	2.00	0.00	1.00	0.00	8.32	16.43	2.00	0.00	1.00	0.00
8.34	16.56	2.00	0.00	1.00	0.00	8.36	16.90	2.00	0.00	1.00	0.00
8.38	16.79	2.00	0.00	1.00	0.00	8.40	16.75	2.00	0.00	1.00	0.00
8.42	16.74	2.00	0.00	1.00	0.00	8.44	16.72	2.00	0.00	1.00	0.00
8.46	16.71	2.00	0.00	1.00	0.00	8.48	16.71	2.00	0.00	1.00	0.00
8.50	16.72	2.00	0.00	1.00	0.00	8.52	16.83	2.00	0.00	1.00	0.00
8.54	17.09	2.00	0.00	1.00	0.00	8.56	17.31	2.00	0.00	1.00	0.00
8.58	17.01	2.00	0.00	1.00	0.00	8.60	16.74	2.00	0.00	1.00	0.00
8.62	16.68	2.00	0.00	1.00	0.00	8.64	16.63	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.66	16.62	2.00	0.00	1.00	0.00	8.68	16.60	2.00	0.00	1.00	0.00
8.70	16.59	2.00	0.00	1.00	0.00	8.72	16.76	2.00	0.00	1.00	0.00
8.74	16.66	2.00	0.00	1.00	0.00	8.76	16.62	2.00	0.00	1.00	0.00
8.78	16.59	2.00	0.00	1.00	0.00	8.80	16.15	2.00	0.00	1.00	0.00
8.82	16.14	2.00	0.00	1.00	0.00	8.84	16.12	2.00	0.00	1.00	0.00
8.86	16.10	2.00	0.00	1.00	0.00	8.88	16.09	2.00	0.00	1.00	0.00
8.90	16.07	2.00	0.00	1.00	0.00	8.92	16.08	2.00	0.00	1.00	0.00
8.94	16.75	2.00	0.00	1.00	0.00	8.96	16.85	2.00	0.00	1.00	0.00
8.98	17.05	2.00	0.00	1.00	0.00	9.00	16.41	2.00	0.00	1.00	0.00
9.02	16.14	2.00	0.00	1.00	0.00	9.04	16.09	2.00	0.00	1.00	0.00
9.06	16.06	2.00	0.00	1.00	0.00	9.08	16.05	2.00	0.00	1.00	0.00
9.10	16.03	2.00	0.00	1.00	0.00	9.12	16.02	2.00	0.00	1.00	0.00
9.14	16.57	2.00	0.00	1.00	0.00	9.16	16.52	2.00	0.00	1.00	0.00
9.18	16.28	2.00	0.00	1.00	0.00	9.20	16.16	2.00	0.00	1.00	0.00
9.22	16.09	2.00	0.00	1.00	0.00	9.24	16.08	2.00	0.00	1.00	0.00
9.26	16.06	2.00	0.00	1.00	0.00	9.28	16.07	2.00	0.00	1.00	0.00
9.30	16.02	2.00	0.00	1.00	0.00	9.32	16.00	2.00	0.00	1.00	0.00
9.34	15.99	2.00	0.00	1.00	0.00	9.36	15.97	2.00	0.00	1.00	0.00
9.38	15.96	2.00	0.00	1.00	0.00	9.40	16.03	2.00	0.00	1.00	0.00
9.42	16.54	2.00	0.00	1.00	0.00	9.44	16.76	2.00	0.00	1.00	0.00
9.46	17.41	2.00	0.00	1.00	0.00	9.48	17.88	2.00	0.00	1.00	0.00
9.50	18.30	2.00	0.00	1.00	0.00	9.52	18.21	2.00	0.00	1.00	0.00
9.54	17.30	2.00	0.00	1.00	0.00	9.56	16.38	2.00	0.00	1.00	0.00
9.58	15.97	2.00	0.00	1.00	0.00	9.60	15.95	2.00	0.00	1.00	0.00
9.62	15.93	2.00	0.00	1.00	0.00	9.64	15.93	2.00	0.00	1.00	0.00
9.66	15.93	2.00	0.00	1.00	0.00	9.68	16.10	2.00	0.00	1.00	0.00
9.70	16.68	2.00	0.00	1.00	0.00	9.72	16.61	2.00	0.00	1.00	0.00
9.74	16.94	2.00	0.00	1.00	0.00	9.76	17.72	2.00	0.00	1.00	0.00
9.78	18.09	2.00	0.00	1.00	0.00	9.80	18.24	2.00	0.00	1.00	0.00
9.82	18.20	2.00	0.00	1.00	0.00	9.84	18.27	2.00	0.00	1.00	0.00
9.86	18.33	2.00	0.00	1.00	0.00	9.88	18.71	2.00	0.00	1.00	0.00
9.90	19.50	2.00	0.00	1.00	0.00	9.92	21.12	2.00	0.00	1.00	0.00
9.94	21.58	2.00	0.00	1.00	0.00	9.96	21.55	2.00	0.00	1.00	0.00
9.98	21.94	2.00	0.00	1.00	0.00	10.00	23.17	2.00	0.00	1.00	0.00
10.02	24.85	2.00	0.00	1.00	0.00	10.04	25.60	2.00	0.00	1.00	0.00
10.05	25.14	2.00	0.00	1.00	0.00	10.07	23.53	2.00	0.00	1.00	0.00
10.09	21.91	2.00	0.00	1.00	0.00	10.11	21.66	2.00	0.00	1.00	0.00
10.13	21.53	2.00	0.00	1.00	0.00	10.15	21.48	2.00	0.00	1.00	0.00
10.17	21.43	2.00	0.00	1.00	0.00	10.19	21.65	2.00	0.00	1.00	0.00
10.21	21.18	2.00	0.00	1.00	0.00	10.23	20.50	2.00	0.00	1.00	0.00
10.25	18.88	2.00	0.00	1.00	0.00	10.27	18.33	2.00	0.00	1.00	0.00
10.29	18.13	2.00	0.00	1.00	0.00	10.31	18.07	2.00	0.00	1.00	0.00
10.33	18.09	2.00	0.00	1.00	0.00	10.35	18.10	2.00	0.00	1.00	0.00
10.37	18.17	2.00	0.00	1.00	0.00	10.39	18.33	2.00	0.00	1.00	0.00
10.41	18.91	2.00	0.00	1.00	0.00	10.43	19.55	2.00	0.00	1.00	0.00
10.45	19.36	2.00	0.00	1.00	0.00	10.47	18.62	2.00	0.00	1.00	0.00
10.49	18.28	2.00	0.00	1.00	0.00	10.51	18.19	2.00	0.00	1.00	0.00
10.53	18.15	2.00	0.00	1.00	0.00	10.55	18.20	2.00	0.00	1.00	0.00
10.57	18.25	2.00	0.00	1.00	0.00	10.59	18.38	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.61	19.40	2.00	0.00	1.00	0.00	10.63	19.62	2.00	0.00	1.00	0.00
10.65	20.80	2.00	0.00	1.00	0.00	10.67	21.33	2.00	0.00	1.00	0.00
10.69	20.97	2.00	0.00	1.00	0.00	10.71	19.42	2.00	0.00	1.00	0.00
10.73	17.69	2.00	0.00	1.00	0.00	10.75	17.57	2.00	0.00	1.00	0.00
10.77	17.53	2.00	0.00	1.00	0.00	10.79	17.50	2.00	0.00	1.00	0.00
10.81	17.48	2.00	0.00	1.00	0.00	10.83	17.49	2.00	0.00	1.00	0.00
10.85	17.43	2.00	0.00	1.00	0.00	10.87	16.02	2.00	0.00	1.00	0.00
10.89	14.32	2.00	0.00	1.00	0.00	10.91	13.52	2.00	0.00	1.00	0.00
10.93	12.88	2.00	0.00	1.00	0.00	10.95	12.52	2.00	0.00	1.00	0.00
10.97	12.02	2.00	0.00	1.00	0.00	10.99	11.97	2.00	0.00	1.00	0.00
11.01	11.91	2.00	0.00	1.00	0.00	11.03	11.88	2.00	0.00	1.00	0.00
11.05	11.91	2.00	0.00	1.00	0.00	11.07	11.94	2.00	0.00	1.00	0.00
11.09	12.01	2.00	0.00	1.00	0.00	11.11	12.17	2.00	0.00	1.00	0.00
11.13	12.68	2.00	0.00	1.00	0.00	11.15	13.03	2.00	0.00	1.00	0.00
11.17	13.22	2.00	0.00	1.00	0.00	11.19	13.12	2.00	0.00	1.00	0.00
11.21	12.60	2.00	0.00	1.00	0.00	11.23	12.46	2.00	0.00	1.00	0.00
11.25	12.66	2.00	0.00	1.00	0.00	11.27	12.26	2.00	0.00	1.00	0.00
11.29	12.21	2.00	0.00	1.00	0.00	11.31	12.20	2.00	0.00	1.00	0.00
11.33	12.19	2.00	0.00	1.00	0.00	11.35	12.18	2.00	0.00	1.00	0.00
11.37	12.17	2.00	0.00	1.00	0.00	11.39	12.63	2.00	0.00	1.00	0.00
11.41	12.79	2.00	0.00	1.00	0.00	11.43	12.99	2.00	0.00	1.00	0.00
11.45	13.30	2.00	0.00	1.00	0.00	11.47	13.89	2.00	0.00	1.00	0.00
11.49	14.50	2.00	0.00	1.00	0.00	11.51	14.10	2.00	0.00	1.00	0.00
11.53	13.96	2.00	0.00	1.00	0.00	11.55	13.70	2.00	0.00	1.00	0.00
11.57	12.77	2.00	0.00	1.00	0.00	11.59	12.71	2.00	0.00	1.00	0.00
11.61	12.79	2.00	0.00	1.00	0.00	11.63	12.25	2.00	0.00	1.00	0.00
11.65	11.92	2.00	0.00	1.00	0.00	11.67	11.54	2.00	0.00	1.00	0.00
11.69	10.70	2.00	0.00	1.00	0.00	11.71	10.06	2.00	0.00	1.00	0.00
11.73	9.92	2.00	0.00	1.00	0.00	11.75	9.88	2.00	0.00	1.00	0.00
11.77	9.86	2.00	0.00	1.00	0.00	11.79	9.85	2.00	0.00	1.00	0.00
11.81	9.86	2.00	0.00	1.00	0.00	11.83	9.87	2.00	0.00	1.00	0.00
11.85	10.03	2.00	0.00	1.00	0.00	11.87	10.35	2.00	0.00	1.00	0.00
11.89	10.34	2.00	0.00	1.00	0.00	11.91	10.35	2.00	0.00	1.00	0.00
11.93	10.43	2.00	0.00	1.00	0.00	11.95	10.50	2.00	0.00	1.00	0.00
11.97	10.70	2.00	0.00	1.00	0.00	11.99	11.17	2.00	0.00	1.00	0.00
12.01	12.12	2.00	0.00	1.00	0.00	12.03	20.99	2.00	0.00	1.00	0.00
12.05	87.70	1.09	0.82	1.00	0.02	12.07	94.90	1.19	0.57	1.00	0.01
12.09	98.03	1.23	0.50	1.00	0.01	12.11	100.02	1.26	0.46	1.00	0.01
12.13	101.81	1.29	0.42	1.00	0.01	12.15	102.54	1.30	0.41	1.00	0.01
12.17	102.85	1.31	0.40	1.00	0.01	12.19	102.64	1.31	0.40	1.00	0.01
12.21	101.14	1.28	0.43	1.00	0.01	12.23	99.75	1.26	0.46	1.00	0.01
12.25	98.54	1.24	0.48	1.00	0.01	12.27	97.48	1.23	0.50	1.00	0.01
12.29	96.42	1.21	0.52	1.00	0.01	12.31	96.31	1.21	0.53	1.00	0.01
12.33	96.26	1.21	0.53	1.00	0.01	12.35	96.21	1.21	0.53	1.00	0.01
12.37	96.24	1.21	0.52	1.00	0.01	12.39	96.26	1.21	0.52	1.00	0.01
12.41	96.64	1.22	0.51	1.00	0.01	12.43	96.18	1.21	0.52	1.00	0.01
12.45	96.45	1.22	0.52	1.00	0.01	12.47	94.89	1.20	0.55	1.00	0.01
12.49	93.27	1.17	0.59	1.00	0.01	12.51	90.91	1.14	0.65	1.00	0.01
12.53	87.49	1.10	0.78	1.00	0.02	12.55	86.05	1.09	0.84	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.57	85.11	1.08	0.89	1.00	0.02	12.59	84.32	1.07	0.93	1.00	0.02
12.61	81.38	1.04	1.17	1.00	0.02	12.63	19.98	2.00	0.00	1.00	0.00
12.65	17.10	2.00	0.00	1.00	0.00	12.67	17.08	2.00	0.00	1.00	0.00
12.69	17.07	2.00	0.00	1.00	0.00	12.71	17.07	2.00	0.00	1.00	0.00
12.73	17.52	2.00	0.00	1.00	0.00	12.75	75.56	0.98	2.55	1.00	0.05
12.77	77.96	1.01	1.67	1.00	0.03	12.79	79.19	1.02	1.42	1.00	0.03
12.81	80.18	1.03	1.27	1.00	0.03	12.83	80.78	1.03	1.19	1.00	0.02
12.85	81.91	1.05	1.08	1.00	0.02	12.87	83.06	1.06	0.98	1.00	0.02
12.89	85.03	1.08	0.86	1.00	0.02	12.91	86.90	1.10	0.77	1.00	0.02
12.93	87.53	1.11	0.74	1.00	0.01	12.95	87.63	1.11	0.73	1.00	0.01
12.97	86.80	1.10	0.77	1.00	0.02	12.99	85.71	1.09	0.81	1.00	0.02
13.01	83.13	1.06	0.96	1.00	0.02	13.03	81.56	1.05	1.07	1.00	0.02
13.05	77.96	1.01	1.55	1.00	0.03	13.07	71.66	0.95	4.45	1.00	0.09
13.09	68.07	0.92	4.67	1.00	0.09	13.11	67.16	0.92	4.73	1.00	0.09
13.13	69.16	0.93	4.60	1.00	0.09	13.15	74.09	0.98	3.08	1.00	0.06
13.17	81.95	1.05	1.02	1.00	0.02	13.19	85.60	1.09	0.80	1.00	0.02
13.21	86.22	1.10	0.77	1.00	0.02	13.23	84.07	1.08	0.87	1.00	0.02
13.25	83.06	1.07	0.93	1.00	0.02	13.27	82.95	1.07	0.93	1.00	0.02
13.29	83.00	1.07	0.93	1.00	0.02	13.31	83.05	1.07	0.92	1.00	0.02
13.33	83.16	1.07	0.91	1.00	0.02	13.35	84.10	1.08	0.85	1.00	0.02
13.37	87.76	1.12	0.69	1.00	0.01	13.39	87.61	1.12	0.70	1.00	0.01
13.41	89.33	1.14	0.64	1.00	0.01	13.43	89.19	1.14	0.64	1.00	0.01
13.44	88.26	1.13	0.67	1.00	0.01	13.46	87.10	1.12	0.71	1.00	0.01
13.48	85.16	1.10	0.78	1.00	0.02	13.50	80.12	1.04	1.12	1.00	0.02
13.52	76.04	1.00	1.79	1.00	0.04	13.54	73.73	0.98	2.79	1.00	0.06
13.56	72.50	0.97	3.94	1.00	0.08	13.58	72.16	0.97	4.42	1.00	0.09
13.60	72.17	0.97	4.34	1.00	0.09	13.62	72.19	0.97	4.26	1.00	0.08
13.64	72.24	0.97	4.13	1.00	0.08	13.66	76.06	1.00	1.72	1.00	0.03
13.68	77.71	1.02	1.38	1.00	0.03	13.70	77.68	1.02	1.38	1.00	0.03
13.72	77.98	1.02	1.33	1.00	0.03	13.74	78.61	1.03	1.24	1.00	0.02
13.76	78.97	1.03	1.19	1.00	0.02	13.78	79.77	1.04	1.10	1.00	0.02
13.80	80.93	1.06	0.99	1.00	0.02	13.82	81.51	1.06	0.95	1.00	0.02
13.84	81.68	1.06	0.93	1.00	0.02	13.86	82.56	1.07	0.88	1.00	0.02
13.88	81.97	1.07	0.91	1.00	0.02	13.90	81.97	1.07	0.91	1.00	0.02
13.92	81.98	1.07	0.90	1.00	0.02	13.94	82.02	1.07	0.90	1.00	0.02
13.96	82.00	1.07	0.90	1.00	0.02	13.98	82.08	1.07	0.89	1.00	0.02
14.00	82.39	1.08	0.87	1.00	0.02	14.02	83.09	1.08	0.83	1.00	0.02
14.04	84.04	1.10	0.78	1.00	0.02	14.06	87.65	1.14	0.64	1.00	0.01
14.08	89.62	1.16	0.59	1.00	0.01	14.10	90.69	1.18	0.56	1.00	0.01
14.12	91.39	1.19	0.54	1.00	0.01	14.14	91.56	1.19	0.54	1.00	0.01
14.16	91.52	1.19	0.54	1.00	0.01	14.18	91.66	1.19	0.53	1.00	0.01
14.20	91.90	1.20	0.53	1.00	0.01	14.22	92.38	1.20	0.52	1.00	0.01
14.24	93.13	1.21	0.50	1.00	0.01	14.26	94.44	1.23	0.47	1.00	0.01
14.28	97.22	1.28	0.42	1.00	0.01	14.30	99.18	1.31	0.39	1.00	0.01
14.32	92.85	1.21	0.50	1.00	0.01	14.34	78.92	1.05	1.05	1.00	0.02
14.36	69.72	0.96	4.57	1.00	0.09	14.38	68.60	0.95	4.63	1.00	0.09
14.40	71.19	0.98	3.44	1.00	0.07	14.42	72.18	0.98	2.62	1.00	0.05
14.44	72.09	0.98	2.65	1.00	0.05	14.46	71.95	0.98	2.71	1.00	0.05
14.48	75.67	1.02	1.42	1.00	0.03	14.50	68.77	0.96	4.62	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.52	60.30	0.89	5.21	1.00	0.10	14.54	59.21	0.88	5.30	1.00	0.11
14.56	58.40	0.87	5.36	1.00	0.11	14.58	58.30	0.87	5.37	1.00	0.11
14.60	58.15	0.87	5.38	1.00	0.11	14.62	58.09	0.87	5.39	1.00	0.11
14.64	58.46	0.88	5.36	1.00	0.11	14.66	61.24	0.90	5.14	1.00	0.10
14.68	59.56	0.88	5.27	1.00	0.10	14.70	60.32	0.89	5.21	1.00	0.10
14.72	59.24	0.88	5.29	1.00	0.11	14.74	58.97	0.88	5.32	1.00	0.11
14.76	58.69	0.88	5.34	1.00	0.11	14.78	58.57	0.88	5.35	1.00	0.11
14.80	58.19	0.88	5.38	1.00	0.11	14.82	57.23	0.87	5.46	1.00	0.11
14.84	56.28	0.86	5.54	1.00	0.11	14.86	55.50	0.86	5.61	1.00	0.11
14.88	53.46	0.84	5.79	1.00	0.12	14.90	50.48	0.82	6.09	1.00	0.12
14.92	51.67	0.83	5.97	1.00	0.12	14.94	57.32	0.87	5.45	1.00	0.11
14.96	67.72	0.96	4.69	1.00	0.09	14.98	70.03	0.98	3.44	1.00	0.07
15.00	72.64	1.00	1.90	1.00	0.04	15.02	74.08	1.01	1.52	1.00	0.03
15.04	80.83	1.08	0.81	1.00	0.02	15.06	88.57	1.17	0.55	1.00	0.01
15.08	89.67	1.19	0.52	1.00	0.01	15.10	89.56	1.19	0.53	1.00	0.01
15.12	89.66	1.19	0.52	1.00	0.01	15.14	89.20	1.19	0.53	1.00	0.01
15.16	87.74	1.17	0.56	1.00	0.01	15.18	86.60	1.15	0.59	1.00	0.01
15.20	86.18	1.15	0.60	1.00	0.01	15.22	85.48	1.14	0.61	1.00	0.01
15.24	84.20	1.13	0.65	1.00	0.01	15.26	83.23	1.12	0.68	1.00	0.01
15.28	82.53	1.11	0.70	1.00	0.01	15.30	83.51	1.12	0.67	1.00	0.01
15.32	82.63	1.11	0.69	1.00	0.01	15.34	80.69	1.09	0.77	1.00	0.02
15.36	80.08	1.08	0.80	1.00	0.02	15.38	79.27	1.08	0.84	1.00	0.02
15.39	78.65	1.07	0.87	1.00	0.02	15.41	77.33	1.06	0.96	1.00	0.02
15.43	74.17	1.03	1.31	1.00	0.03	15.45	67.33	0.96	4.72	1.00	0.09
15.47	63.29	0.93	4.99	1.00	0.10	15.49	62.99	0.93	5.01	1.00	0.10
15.51	64.55	0.94	4.90	1.00	0.10	15.53	68.71	0.98	3.44	1.00	0.07
15.55	72.29	1.01	1.63	1.00	0.03	15.57	73.02	1.02	1.46	1.00	0.03
15.59	73.17	1.02	1.43	1.00	0.03	15.61	75.56	1.04	1.08	1.00	0.02
15.63	82.05	1.11	0.68	1.00	0.01	15.65	82.03	1.11	0.68	1.00	0.01
15.67	83.63	1.13	0.63	1.00	0.01	15.69	79.25	1.08	0.80	1.00	0.02
15.71	75.86	1.05	1.03	1.00	0.02	15.73	73.28	1.02	1.35	1.00	0.03
15.75	69.48	0.99	2.51	1.00	0.05	15.77	62.84	0.93	5.02	1.00	0.10
15.79	54.54	0.87	5.69	1.00	0.11	15.81	58.66	0.90	5.34	1.00	0.11
15.83	64.88	0.95	4.88	1.00	0.10	15.85	68.00	0.98	3.43	1.00	0.07
15.87	68.37	0.98	3.07	1.00	0.06	15.89	66.13	0.96	4.79	1.00	0.10
15.91	62.55	0.93	5.04	1.00	0.10	15.93	59.23	0.91	5.30	1.00	0.11
15.95	56.05	0.88	5.56	1.00	0.11	15.97	53.29	0.86	5.81	1.00	0.12
15.99	52.33	0.86	5.90	1.00	0.12	16.01	51.80	0.85	5.95	1.00	0.12
16.03	51.48	0.85	5.98	1.00	0.12	16.05	51.42	0.85	5.99	1.00	0.12
16.07	51.36	0.85	6.00	1.00	0.12	16.09	52.38	0.86	5.90	1.00	0.12
16.11	51.28	0.85	6.01	1.00	0.12	16.13	50.94	0.85	6.04	1.00	0.12
16.15	50.91	0.85	6.04	1.00	0.12	16.17	51.30	0.85	6.00	1.00	0.12
16.19	51.10	0.85	6.02	1.00	0.12	16.21	51.12	0.85	6.02	1.00	0.12
16.23	51.14	0.85	6.02	1.00	0.12	16.25	51.22	0.85	6.01	1.00	0.12
16.27	51.39	0.85	5.99	1.00	0.12	16.29	53.91	0.87	5.75	1.00	0.11
16.31	67.66	0.98	2.89	1.00	0.06	16.33	84.49	1.16	0.56	1.00	0.01
16.35	93.55	1.28	0.39	1.00	0.01	16.37	103.70	1.45	0.26	1.00	0.01
16.39	106.03	1.50	0.23	1.00	0.00	16.41	105.14	1.48	0.24	1.00	0.00
16.43	105.45	1.49	0.24	1.00	0.00	16.45	105.60	1.49	0.23	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.47	105.29	1.48	0.24	1.00	0.00	16.49	104.45	1.47	0.25	1.00	0.00
16.51	101.52	1.41	0.28	1.00	0.01	16.53	100.76	1.40	0.29	1.00	0.01
16.55	98.73	1.37	0.32	1.00	0.01	16.57	96.47	1.33	0.34	1.00	0.01
16.59	94.89	1.31	0.36	1.00	0.01	16.61	91.55	1.26	0.41	1.00	0.01
16.63	79.59	1.11	0.66	1.00	0.01	16.65	66.58	0.98	2.96	1.00	0.06
16.67	66.34	0.98	3.11	1.00	0.06	16.69	66.01	0.98	3.34	1.00	0.07
16.71	65.69	0.98	3.60	1.00	0.07	16.73	64.80	0.97	4.65	1.00	0.09
16.75	62.85	0.95	5.02	1.00	0.10	16.77	59.12	0.92	5.30	1.00	0.11
16.79	59.74	0.93	5.26	1.00	0.10	16.81	71.86	1.04	1.17	1.00	0.02
16.82	73.12	1.05	1.02	1.00	0.02	16.84	82.92	1.15	0.55	1.00	0.01
16.86	86.42	1.20	0.48	1.00	0.01	16.88	86.38	1.20	0.48	1.00	0.01
16.90	96.62	1.34	0.33	1.00	0.01	16.92	110.18	1.61	0.16	1.00	0.00
16.94	101.53	1.43	0.27	1.00	0.01	16.96	104.14	1.48	0.24	1.00	0.00
16.98	103.82	1.47	0.24	1.00	0.00	17.00	101.75	1.44	0.26	1.00	0.01
17.02	103.53	1.47	0.24	1.00	0.00	17.04	102.14	1.44	0.26	1.00	0.01
17.06	100.97	1.42	0.27	1.00	0.01	17.08	95.77	1.34	0.33	1.00	0.01
17.10	88.93	1.24	0.42	1.00	0.01	17.12	84.01	1.18	0.50	1.00	0.01
17.14	79.73	1.13	0.60	1.00	0.01	17.16	78.30	1.11	0.65	1.00	0.01
17.18	78.23	1.11	0.65	1.00	0.01	17.20	78.22	1.11	0.64	1.00	0.01
17.22	78.22	1.11	0.64	1.00	0.01	17.24	78.28	1.11	0.64	1.00	0.01
17.26	78.54	1.12	0.63	1.00	0.01	17.28	79.53	1.13	0.59	1.00	0.01
17.30	83.53	1.18	0.50	1.00	0.01	17.32	80.45	1.14	0.56	1.00	0.01
17.34	81.92	1.16	0.53	1.00	0.01	17.36	85.52	1.20	0.46	1.00	0.01
17.38	93.59	1.31	0.35	1.00	0.01	17.40	105.05	1.52	0.21	1.00	0.00
17.42	104.40	1.50	0.22	1.00	0.00	17.44	101.77	1.45	0.25	1.00	0.00
17.46	100.17	1.42	0.27	1.00	0.01	17.48	97.64	1.38	0.29	1.00	0.01
17.50	93.37	1.31	0.34	1.00	0.01	17.52	86.48	1.22	0.43	1.00	0.01
17.54	85.00	1.20	0.46	1.00	0.01	17.56	84.90	1.20	0.46	1.00	0.01
17.58	84.85	1.20	0.46	1.00	0.01	17.60	83.34	1.18	0.48	1.00	0.01
17.62	83.91	1.19	0.47	1.00	0.01	17.64	68.75	1.03	1.29	1.00	0.03
17.66	73.32	1.07	0.81	1.00	0.02	17.68	83.17	1.18	0.48	1.00	0.01
17.70	84.13	1.20	0.46	1.00	0.01	17.72	83.97	1.19	0.46	1.00	0.01
17.74	84.39	1.20	0.45	1.00	0.01	17.76	84.02	1.20	0.46	1.00	0.01
17.78	83.25	1.19	0.47	1.00	0.01	17.80	83.03	1.19	0.47	1.00	0.01
17.82	82.90	1.18	0.47	1.00	0.01	17.84	82.82	1.18	0.47	1.00	0.01
17.86	82.77	1.18	0.47	1.00	0.01	17.88	82.73	1.18	0.47	1.00	0.01
17.90	82.80	1.19	0.47	1.00	0.01	17.92	81.36	1.17	0.49	1.00	0.01
17.94	80.79	1.16	0.50	1.00	0.01	17.95	80.22	1.16	0.51	1.00	0.01
17.97	80.30	1.16	0.51	1.00	0.01	17.99	79.81	1.15	0.52	1.00	0.01
18.01	79.14	1.15	0.53	1.00	0.01	18.03	78.79	1.14	0.54	1.00	0.01
18.05	78.68	1.14	0.54	1.00	0.01	18.07	78.63	1.14	0.54	1.00	0.01
18.09	78.81	1.14	0.53	1.00	0.01	18.11	78.99	1.15	0.53	1.00	0.01
18.13	81.81	1.18	0.47	1.00	0.01	18.15	85.31	1.22	0.41	1.00	0.01
18.17	89.69	1.28	0.36	1.00	0.01	18.19	94.71	1.36	0.30	1.00	0.01
18.21	98.59	1.42	0.26	1.00	0.01	18.23	100.96	1.47	0.23	1.00	0.00
18.25	101.63	1.48	0.23	1.00	0.00	18.27	101.83	1.49	0.22	1.00	0.00
18.29	101.70	1.48	0.22	1.00	0.00	18.31	109.64	1.65	0.14	1.00	0.00
18.33	113.93	1.77	0.09	1.00	0.00	18.35	108.51	1.63	0.15	1.00	0.00
18.37	108.04	1.62	0.15	1.00	0.00	18.39	108.68	1.64	0.14	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.41	101.90	1.49	0.22	1.00	0.00	18.43	109.34	1.65	0.14	1.00	0.00
18.45	109.37	1.66	0.14	1.00	0.00	18.47	99.58	1.45	0.24	1.00	0.00
18.49	87.12	1.26	0.37	1.00	0.01	18.51	82.32	1.20	0.43	1.00	0.01
18.53	79.29	1.16	0.48	1.00	0.01	18.55	76.87	1.14	0.54	1.00	0.01
18.57	76.70	1.14	0.54	1.00	0.01	18.59	76.43	1.13	0.55	1.00	0.01
18.61	76.82	1.14	0.53	1.00	0.01	18.63	75.66	1.13	0.57	1.00	0.01
18.65	75.67	1.13	0.56	1.00	0.01	18.67	74.36	1.11	0.60	1.00	0.01
18.69	74.68	1.12	0.59	1.00	0.01	18.71	72.63	1.10	0.67	1.00	0.01
18.73	68.98	1.06	0.91	1.00	0.02	18.75	63.08	1.01	1.92	1.00	0.04
18.77	55.56	0.94	5.60	1.00	0.11	18.79	52.03	0.92	5.93	1.00	0.12
18.81	53.55	0.93	5.78	1.00	0.11	18.83	53.88	0.93	5.75	1.00	0.11
18.85	53.96	0.93	5.75	1.00	0.11	18.87	52.92	0.93	5.84	1.00	0.12
18.89	52.54	0.92	5.88	1.00	0.12	18.90	52.55	0.92	5.88	1.00	0.12
18.92	52.27	0.92	5.91	1.00	0.12	18.94	52.29	0.92	5.91	1.00	0.12
18.96	53.25	0.93	5.81	1.00	0.11	18.98	54.62	0.94	5.69	1.00	0.11
19.00	55.69	0.95	5.59	1.00	0.11	19.02	55.82	0.95	5.58	1.00	0.11
19.04	56.04	0.95	5.56	1.00	0.11	19.06	56.91	0.96	5.49	1.00	0.11
19.08	63.64	1.02	1.57	1.00	0.03	19.10	72.29	1.10	0.64	1.00	0.01
19.12	79.29	1.18	0.45	1.00	0.01	19.14	87.52	1.28	0.34	1.00	0.01
19.16	89.54	1.31	0.32	1.00	0.01	19.18	89.33	1.31	0.32	1.00	0.01
19.20	90.31	1.33	0.31	1.00	0.01	19.22	90.99	1.34	0.30	1.00	0.01
19.24	93.16	1.37	0.28	1.00	0.01	19.26	94.10	1.39	0.27	1.00	0.01
19.28	92.61	1.36	0.28	1.00	0.01	19.30	88.57	1.30	0.32	1.00	0.01
19.32	79.05	1.18	0.44	1.00	0.01	19.34	74.62	1.13	0.53	1.00	0.01
19.36	69.75	1.09	0.74	1.00	0.01	19.38	64.73	1.04	1.24	1.00	0.02
19.40	61.59	1.01	1.88	1.00	0.04	19.42	59.01	0.99	2.96	1.00	0.06
19.44	54.76	0.95	5.67	1.00	0.11	19.46	53.70	0.95	5.77	1.00	0.11
19.48	54.41	0.95	5.71	1.00	0.11	19.50	57.80	0.98	3.75	1.00	0.07
19.52	60.61	1.00	2.10	1.00	0.04	19.54	63.16	1.03	1.44	1.00	0.03
19.56	64.06	1.04	1.27	1.00	0.03	19.58	62.93	1.03	1.46	1.00	0.03
19.60	62.09	1.02	1.63	1.00	0.03	19.62	68.59	1.08	0.77	1.00	0.02
19.64	74.23	1.14	0.52	1.00	0.01	19.66	64.99	1.05	1.11	1.00	0.02
19.68	55.96	0.97	5.57	1.00	0.11	19.70	56.13	0.97	5.20	1.00	0.10
19.72	55.62	0.97	5.60	1.00	0.11	19.74	55.56	0.97	5.60	1.00	0.11
19.75	55.37	0.97	5.62	1.00	0.11	19.77	56.07	0.97	4.96	1.00	0.10

Total estimated settlement: 14.80

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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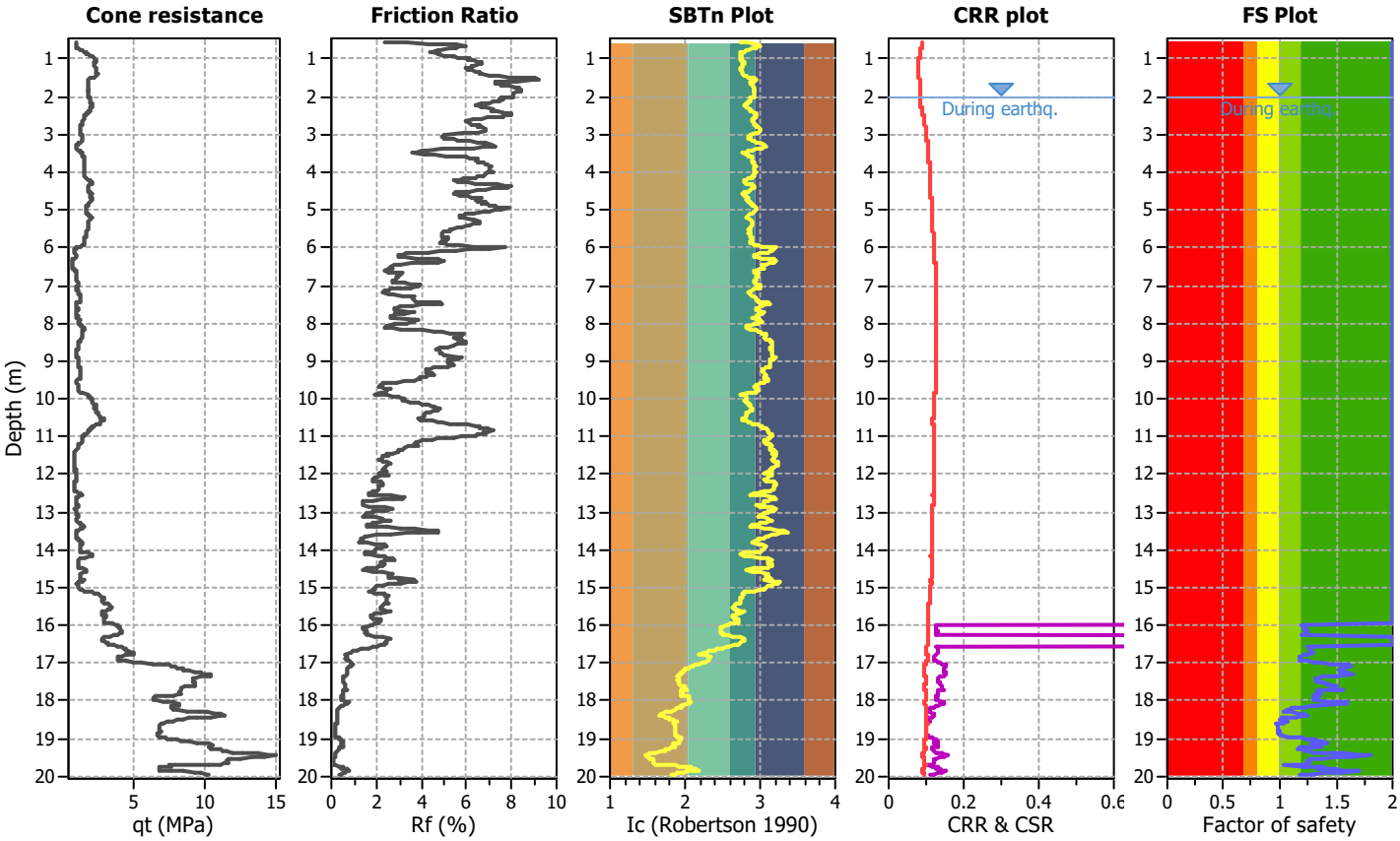
LIQUEFACTION ANALYSIS REPORT

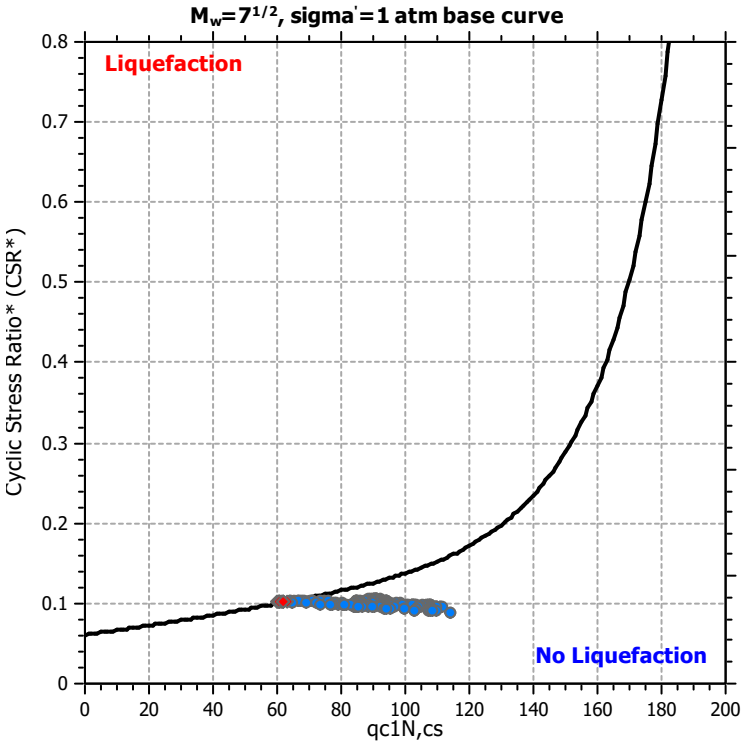
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

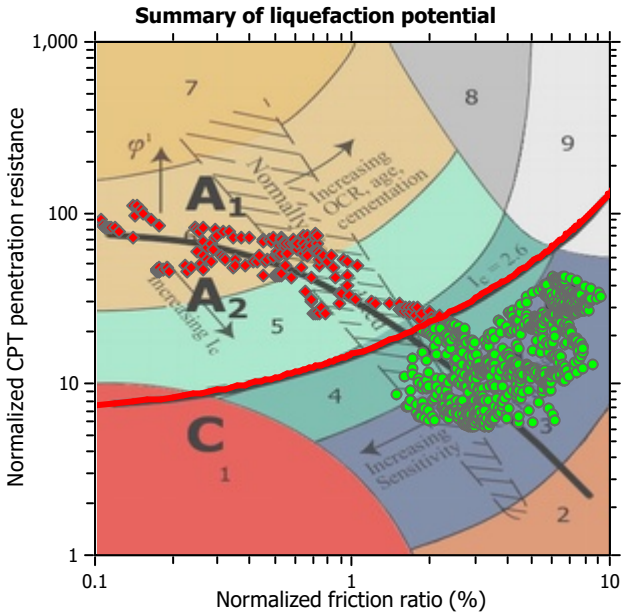
CPT file : P301 - CPTu-7

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.12	Unit weight calculation:	Based on SBT	K_σ applied:	No		

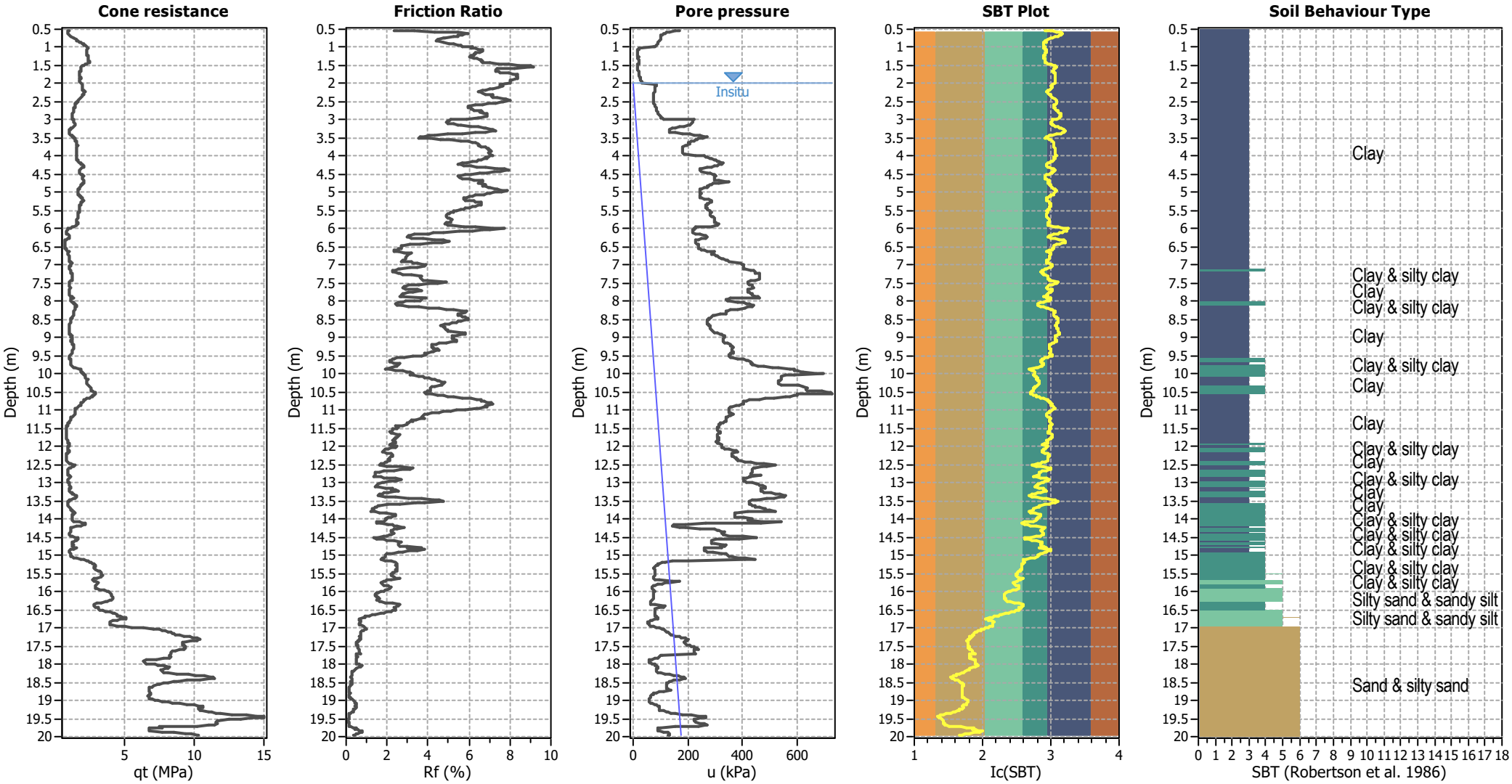






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



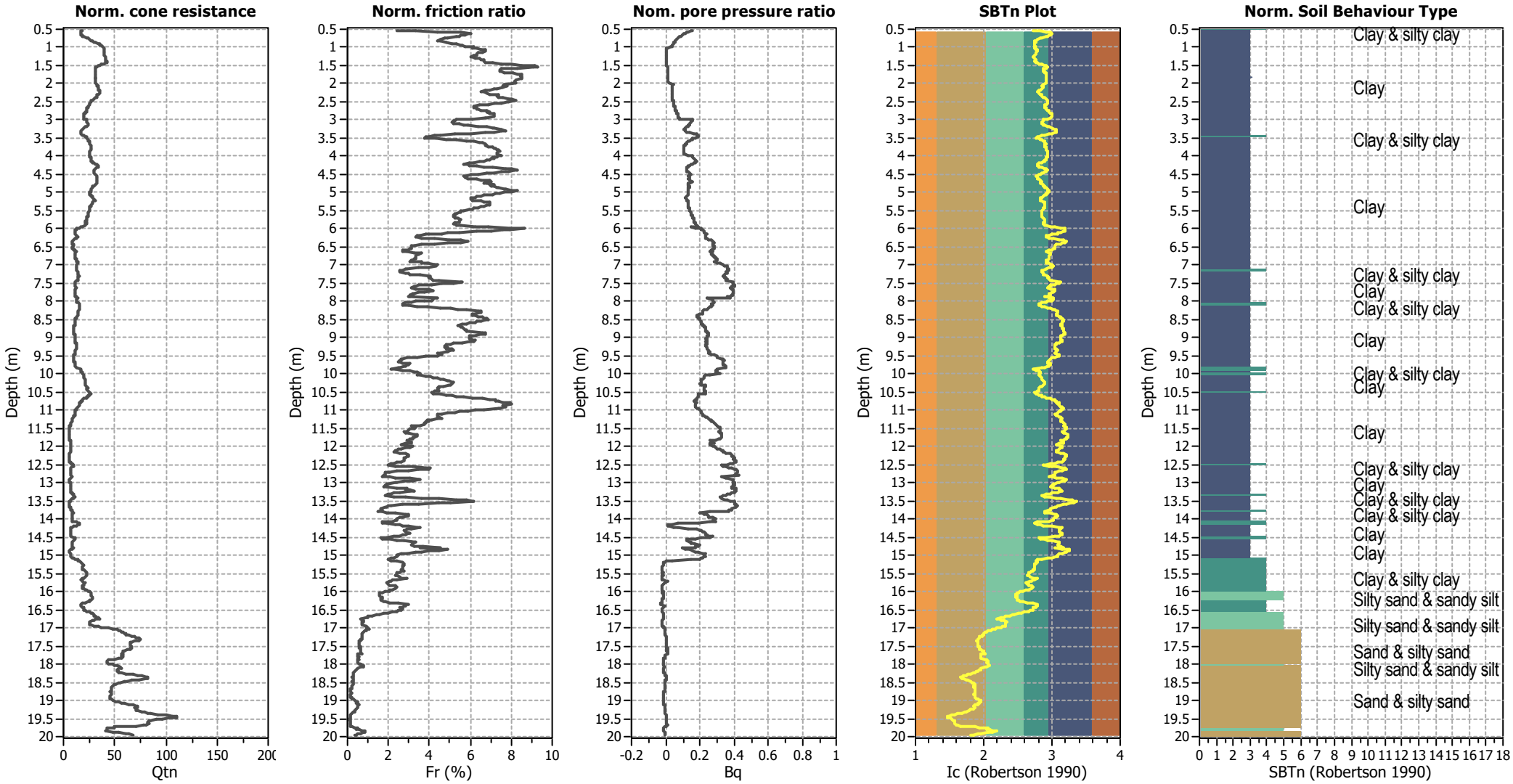
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



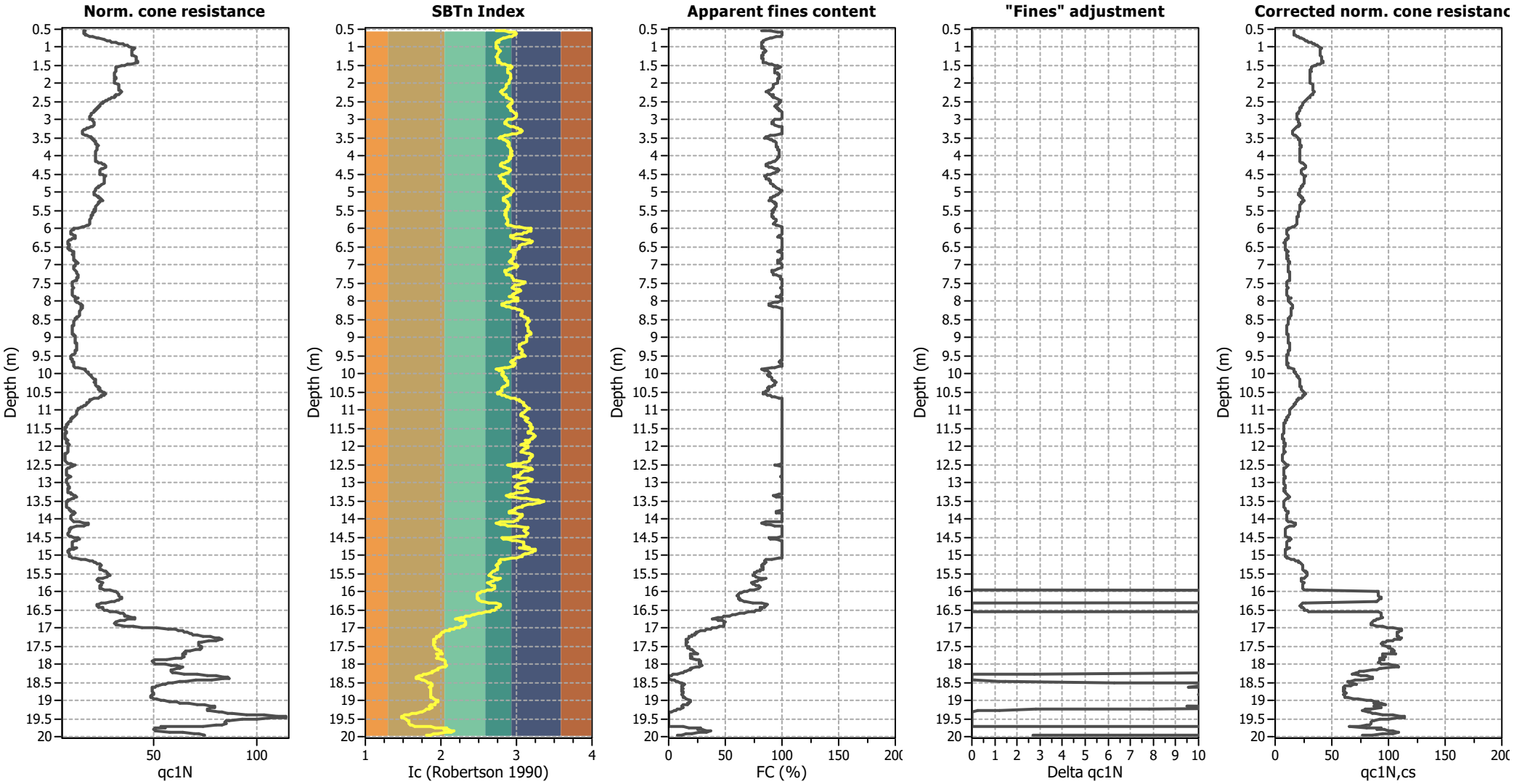
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

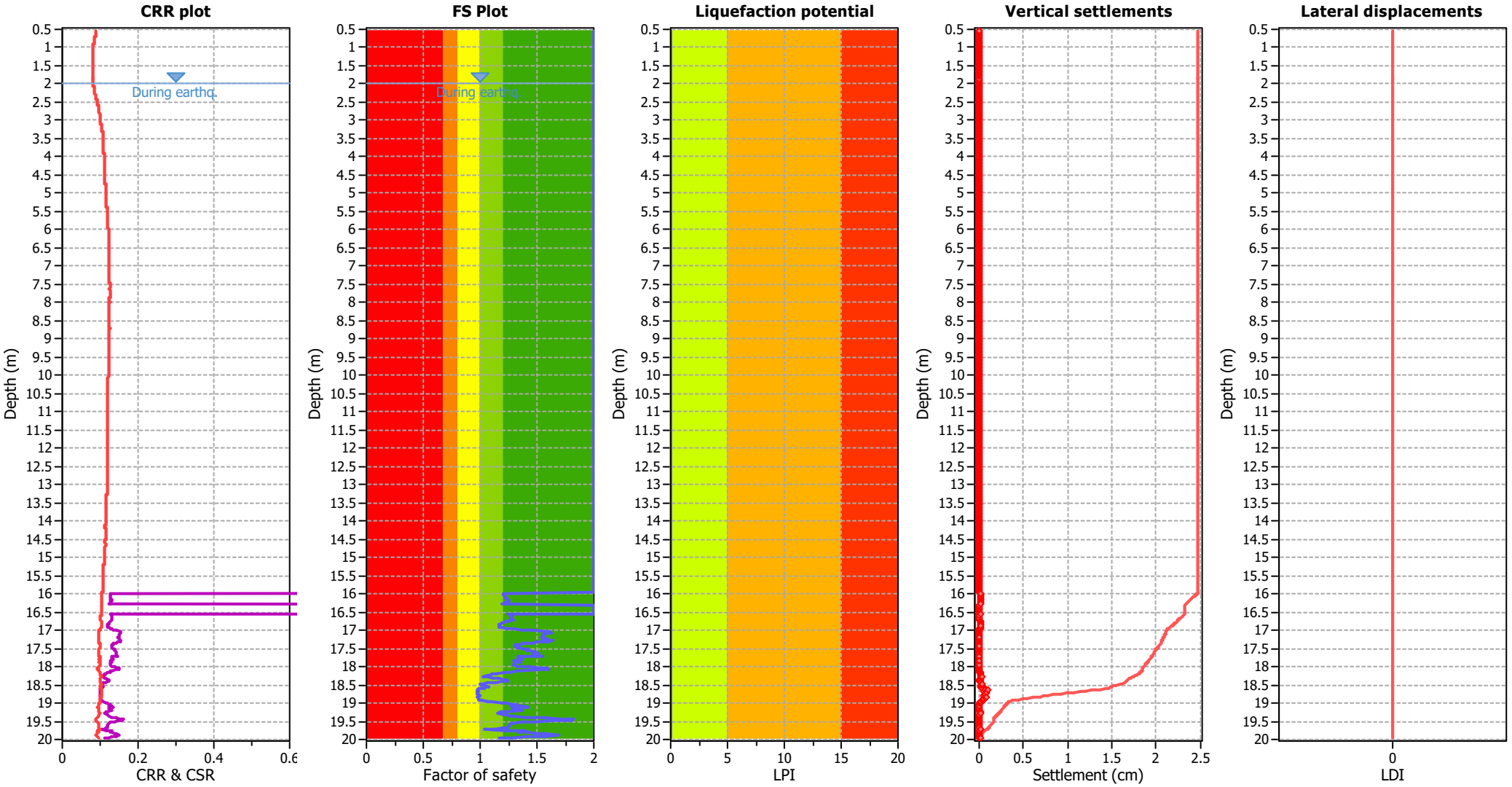
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

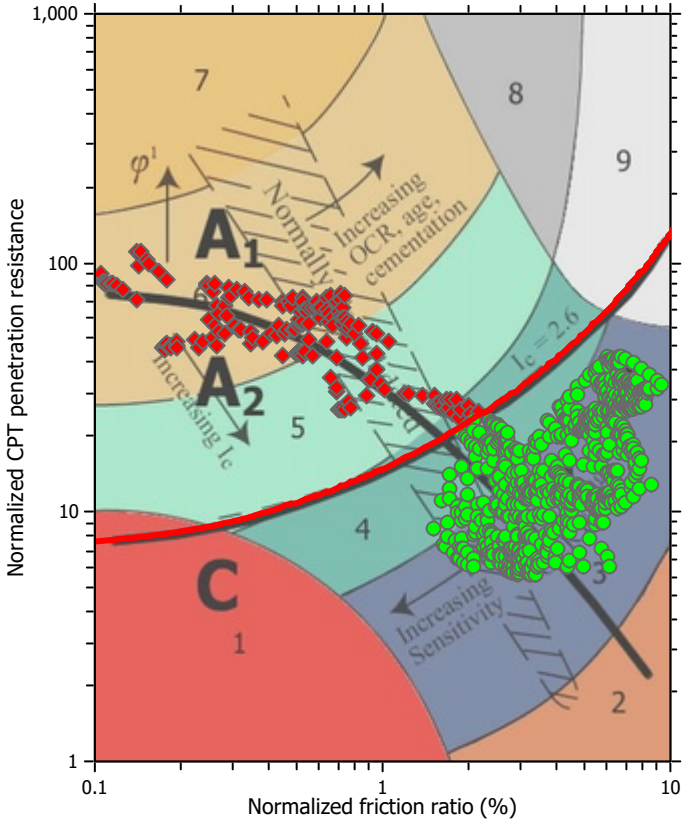
F.S. color scheme

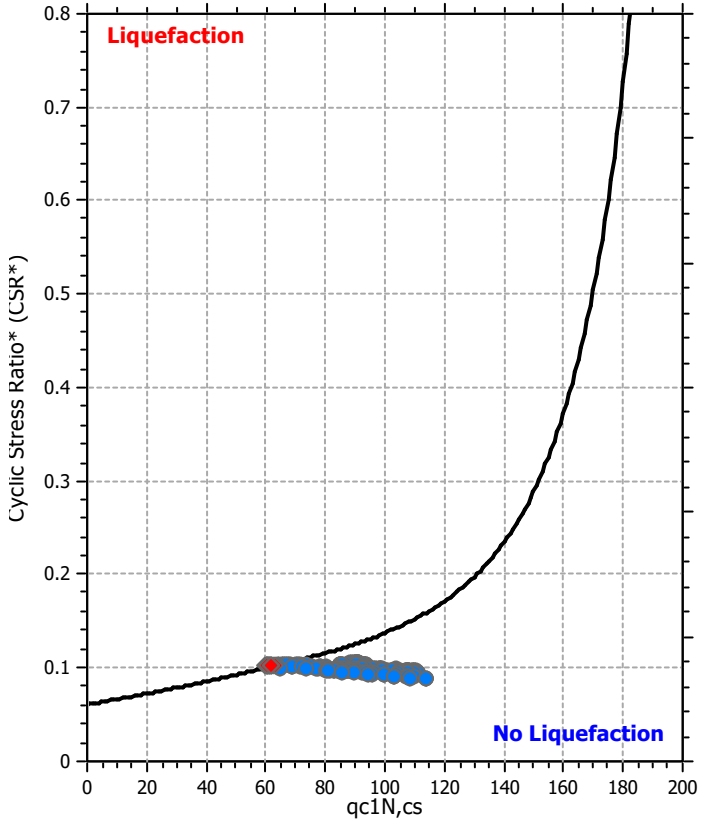
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

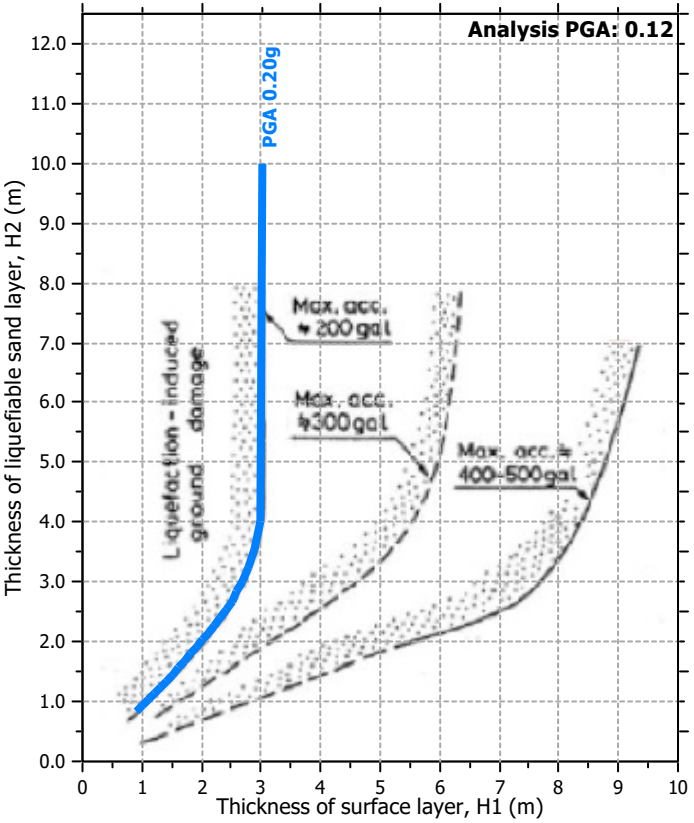
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



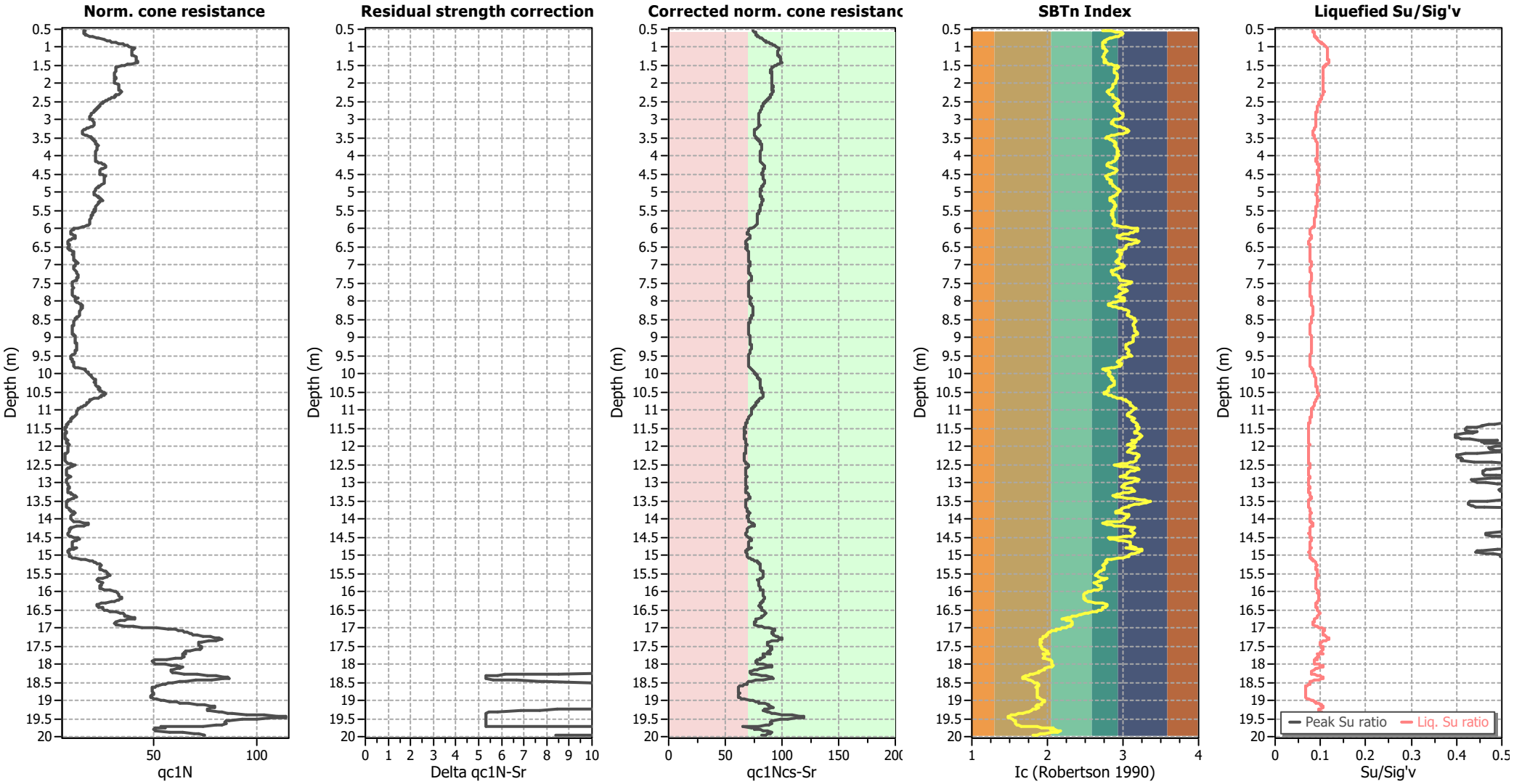




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.12	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.56	2.00	0.00	0.00	0.02	0.00	0.58	2.00	0.00	0.00	0.02	0.00
0.60	2.00	0.00	0.00	0.02	0.00	0.62	2.00	0.00	0.00	0.02	0.00
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	2.00	0.00	0.00	0.02	0.00	8.38	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.40	2.00	0.00	0.00	0.02	0.00	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.10	2.00	0.00	0.00	0.02	0.00
9.12	2.00	0.00	0.00	0.02	0.00	9.14	2.00	0.00	0.00	0.02	0.00
9.16	2.00	0.00	0.00	0.02	0.00	9.18	2.00	0.00	0.00	0.02	0.00
9.20	2.00	0.00	0.00	0.02	0.00	9.22	2.00	0.00	0.00	0.02	0.00
9.24	2.00	0.00	0.00	0.02	0.00	9.26	2.00	0.00	0.00	0.02	0.00
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	2.00	0.00	0.00	0.02	0.00	9.38	2.00	0.00	0.00	0.02	0.00
9.40	2.00	0.00	0.00	0.02	0.00	9.42	2.00	0.00	0.00	0.02	0.00
9.44	2.00	0.00	0.00	0.02	0.00	9.46	2.00	0.00	0.00	0.02	0.00
9.48	2.00	0.00	0.00	0.02	0.00	9.50	2.00	0.00	0.00	0.02	0.00
9.52	2.00	0.00	0.00	0.02	0.00	9.54	2.00	0.00	0.00	0.02	0.00
9.56	2.00	0.00	0.00	0.02	0.00	9.58	2.00	0.00	0.00	0.02	0.00
9.60	2.00	0.00	0.00	0.02	0.00	9.62	2.00	0.00	0.00	0.02	0.00
9.64	2.00	0.00	0.00	0.02	0.00	9.66	2.00	0.00	0.00	0.02	0.00
9.68	2.00	0.00	0.00	0.02	0.00	9.70	2.00	0.00	0.00	0.02	0.00
9.72	2.00	0.00	0.00	0.02	0.00	9.74	2.00	0.00	0.00	0.02	0.00
9.76	2.00	0.00	0.00	0.02	0.00	9.78	2.00	0.00	0.00	0.02	0.00
9.80	2.00	0.00	0.00	0.02	0.00	9.82	2.00	0.00	0.00	0.02	0.00
9.84	2.00	0.00	0.00	0.02	0.00	9.86	2.00	0.00	0.00	0.02	0.00
9.88	2.00	0.00	0.00	0.02	0.00	9.90	2.00	0.00	0.00	0.02	0.00
9.92	2.00	0.00	0.00	0.02	0.00	9.94	2.00	0.00	0.00	0.02	0.00
9.96	2.00	0.00	0.00	0.02	0.00	9.98	2.00	0.00	0.00	0.02	0.00
10.00	2.00	0.00	0.00	0.02	0.00	10.02	2.00	0.00	0.00	0.02	0.00
10.04	2.00	0.00	0.00	0.02	0.00	10.06	2.00	0.00	0.00	0.02	0.00
10.08	2.00	0.00	0.00	0.02	0.00	10.10	2.00	0.00	0.00	0.02	0.00
10.12	2.00	0.00	0.00	0.02	0.00	10.14	2.00	0.00	0.00	0.02	0.00
10.16	2.00	0.00	0.00	0.02	0.00	10.18	2.00	0.00	0.00	0.02	0.00
10.20	2.00	0.00	0.00	0.02	0.00	10.22	2.00	0.00	0.00	0.02	0.00
10.24	2.00	0.00	0.00	0.02	0.00	10.26	2.00	0.00	0.00	0.02	0.00
10.28	2.00	0.00	0.00	0.02	0.00	10.30	2.00	0.00	0.00	0.02	0.00
10.32	2.00	0.00	0.00	0.02	0.00	10.34	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.36	2.00	0.00	0.00	0.02	0.00	10.38	2.00	0.00	0.00	0.02	0.00
10.40	2.00	0.00	0.00	0.02	0.00	10.42	2.00	0.00	0.00	0.02	0.00
10.44	2.00	0.00	0.00	0.02	0.00	10.46	2.00	0.00	0.00	0.02	0.00
10.48	2.00	0.00	0.00	0.02	0.00	10.50	2.00	0.00	0.00	0.02	0.00
10.52	2.00	0.00	0.00	0.02	0.00	10.54	2.00	0.00	0.00	0.02	0.00
10.56	2.00	0.00	0.00	0.02	0.00	10.58	2.00	0.00	0.00	0.02	0.00
10.60	2.00	0.00	0.00	0.02	0.00	10.62	2.00	0.00	0.00	0.02	0.00
10.64	2.00	0.00	0.00	0.02	0.00	10.66	2.00	0.00	0.00	0.02	0.00
10.68	2.00	0.00	0.00	0.02	0.00	10.70	2.00	0.00	0.00	0.02	0.00
10.72	2.00	0.00	0.00	0.02	0.00	10.74	2.00	0.00	0.00	0.02	0.00
10.76	2.00	0.00	0.00	0.02	0.00	10.78	2.00	0.00	0.00	0.02	0.00
10.80	2.00	0.00	0.00	0.02	0.00	10.82	2.00	0.00	0.00	0.02	0.00
10.84	2.00	0.00	0.00	0.02	0.00	10.86	2.00	0.00	0.00	0.02	0.00
10.88	2.00	0.00	0.00	0.02	0.00	10.90	2.00	0.00	0.00	0.02	0.00
10.92	2.00	0.00	0.00	0.02	0.00	10.94	2.00	0.00	0.00	0.02	0.00
10.96	2.00	0.00	0.00	0.02	0.00	10.98	2.00	0.00	0.00	0.02	0.00
11.00	2.00	0.00	0.00	0.02	0.00	11.02	2.00	0.00	0.00	0.02	0.00
11.04	2.00	0.00	0.00	0.02	0.00	11.06	2.00	0.00	0.00	0.02	0.00
11.08	2.00	0.00	0.00	0.02	0.00	11.10	2.00	0.00	0.00	0.02	0.00
11.12	2.00	0.00	0.00	0.02	0.00	11.14	2.00	0.00	0.00	0.02	0.00
11.16	2.00	0.00	0.00	0.02	0.00	11.18	2.00	0.00	0.00	0.02	0.00
11.20	2.00	0.00	0.00	0.02	0.00	11.22	2.00	0.00	0.00	0.02	0.00
11.24	2.00	0.00	0.00	0.02	0.00	11.26	2.00	0.00	0.00	0.02	0.00
11.28	2.00	0.00	0.00	0.02	0.00	11.30	2.00	0.00	0.00	0.02	0.00
11.32	2.00	0.00	0.00	0.02	0.00	11.34	2.00	0.00	0.00	0.02	0.00
11.36	2.00	0.00	0.00	0.02	0.00	11.37	2.00	0.00	0.00	0.02	0.00
11.39	2.00	0.00	0.00	0.02	0.00	11.41	2.00	0.00	0.00	0.02	0.00
11.43	2.00	0.00	0.00	0.02	0.00	11.45	2.00	0.00	0.00	0.02	0.00
11.47	2.00	0.00	0.00	0.02	0.00	11.49	2.00	0.00	0.00	0.02	0.00
11.51	2.00	0.00	0.00	0.02	0.00	11.53	2.00	0.00	0.00	0.02	0.00
11.55	2.00	0.00	0.00	0.02	0.00	11.57	2.00	0.00	0.00	0.02	0.00
11.59	2.00	0.00	0.00	0.02	0.00	11.61	2.00	0.00	0.00	0.02	0.00
11.63	2.00	0.00	0.00	0.02	0.00	11.65	2.00	0.00	0.00	0.02	0.00
11.67	2.00	0.00	0.00	0.02	0.00	11.69	2.00	0.00	0.00	0.02	0.00
11.71	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	2.00	0.00	0.00	0.02	0.00	12.05	2.00	0.00	0.00	0.02	0.00
12.07	2.00	0.00	0.00	0.02	0.00	12.09	2.00	0.00	0.00	0.02	0.00
12.11	2.00	0.00	0.00	0.02	0.00	12.13	2.00	0.00	0.00	0.02	0.00
12.15	2.00	0.00	0.00	0.02	0.00	12.17	2.00	0.00	0.00	0.02	0.00
12.19	2.00	0.00	0.00	0.02	0.00	12.21	2.00	0.00	0.00	0.02	0.00
12.23	2.00	0.00	0.00	0.02	0.00	12.25	2.00	0.00	0.00	0.02	0.00
12.27	2.00	0.00	0.00	0.02	0.00	12.29	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.31	2.00	0.00	0.00	0.02	0.00	12.33	2.00	0.00	0.00	0.02	0.00
12.35	2.00	0.00	0.00	0.02	0.00	12.37	2.00	0.00	0.00	0.02	0.00
12.39	2.00	0.00	0.00	0.02	0.00	12.41	2.00	0.00	0.00	0.02	0.00
12.43	2.00	0.00	0.00	0.02	0.00	12.45	2.00	0.00	0.00	0.02	0.00
12.47	2.00	0.00	0.00	0.02	0.00	12.49	2.00	0.00	0.00	0.02	0.00
12.51	2.00	0.00	0.00	0.02	0.00	12.53	2.00	0.00	0.00	0.02	0.00
12.55	2.00	0.00	0.00	0.02	0.00	12.57	2.00	0.00	0.00	0.02	0.00
12.59	2.00	0.00	0.00	0.02	0.00	12.61	2.00	0.00	0.00	0.02	0.00
12.63	2.00	0.00	0.00	0.02	0.00	12.65	2.00	0.00	0.00	0.02	0.00
12.67	2.00	0.00	0.00	0.02	0.00	12.69	2.00	0.00	0.00	0.02	0.00
12.71	2.00	0.00	0.00	0.02	0.00	12.73	2.00	0.00	0.00	0.02	0.00
12.75	2.00	0.00	0.00	0.02	0.00	12.77	2.00	0.00	0.00	0.02	0.00
12.79	2.00	0.00	0.00	0.02	0.00	12.81	2.00	0.00	0.00	0.02	0.00
12.83	2.00	0.00	0.00	0.02	0.00	12.85	2.00	0.00	0.00	0.02	0.00
12.87	2.00	0.00	0.00	0.02	0.00	12.89	2.00	0.00	0.00	0.02	0.00
12.91	2.00	0.00	0.00	0.02	0.00	12.93	2.00	0.00	0.00	0.02	0.00
12.95	2.00	0.00	0.00	0.02	0.00	12.97	2.00	0.00	0.00	0.02	0.00
12.99	2.00	0.00	0.00	0.02	0.00	13.01	2.00	0.00	0.00	0.02	0.00
13.03	2.00	0.00	0.00	0.02	0.00	13.05	2.00	0.00	0.00	0.02	0.00
13.07	2.00	0.00	0.00	0.02	0.00	13.09	2.00	0.00	0.00	0.02	0.00
13.11	2.00	0.00	0.00	0.02	0.00	13.13	2.00	0.00	0.00	0.02	0.00
13.15	2.00	0.00	0.00	0.02	0.00	13.17	2.00	0.00	0.00	0.02	0.00
13.19	2.00	0.00	0.00	0.02	0.00	13.21	2.00	0.00	0.00	0.02	0.00
13.23	2.00	0.00	0.00	0.02	0.00	13.25	2.00	0.00	0.00	0.02	0.00
13.27	2.00	0.00	0.00	0.02	0.00	13.29	2.00	0.00	0.00	0.02	0.00
13.31	2.00	0.00	0.00	0.02	0.00	13.33	2.00	0.00	0.00	0.02	0.00
13.35	2.00	0.00	0.00	0.02	0.00	13.37	2.00	0.00	0.00	0.02	0.00
13.39	2.00	0.00	0.00	0.02	0.00	13.41	2.00	0.00	0.00	0.02	0.00
13.43	2.00	0.00	0.00	0.02	0.00	13.45	2.00	0.00	0.00	0.02	0.00
13.47	2.00	0.00	0.00	0.02	0.00	13.49	2.00	0.00	0.00	0.02	0.00
13.51	2.00	0.00	0.00	0.02	0.00	13.53	2.00	0.00	0.00	0.02	0.00
13.55	2.00	0.00	0.00	0.02	0.00	13.57	2.00	0.00	0.00	0.02	0.00
13.59	2.00	0.00	0.00	0.02	0.00	13.61	2.00	0.00	0.00	0.02	0.00
13.63	2.00	0.00	0.00	0.02	0.00	13.65	2.00	0.00	0.00	0.02	0.00
13.67	2.00	0.00	0.00	0.02	0.00	13.69	2.00	0.00	0.00	0.02	0.00
13.71	2.00	0.00	0.00	0.02	0.00	13.73	2.00	0.00	0.00	0.02	0.00
13.75	2.00	0.00	0.00	0.02	0.00	13.77	2.00	0.00	0.00	0.02	0.00
13.79	2.00	0.00	0.00	0.02	0.00	13.81	2.00	0.00	0.00	0.02	0.00
13.83	2.00	0.00	0.00	0.02	0.00	13.85	2.00	0.00	0.00	0.02	0.00
13.87	2.00	0.00	0.00	0.02	0.00	13.89	2.00	0.00	0.00	0.02	0.00
13.91	2.00	0.00	0.00	0.02	0.00	13.93	2.00	0.00	0.00	0.02	0.00
13.95	2.00	0.00	0.00	0.02	0.00	13.97	2.00	0.00	0.00	0.02	0.00
13.99	2.00	0.00	0.00	0.02	0.00	14.01	2.00	0.00	0.00	0.02	0.00
14.03	2.00	0.00	0.00	0.02	0.00	14.05	2.00	0.00	0.00	0.02	0.00
14.07	2.00	0.00	0.00	0.02	0.00	14.09	2.00	0.00	0.00	0.02	0.00
14.11	2.00	0.00	0.00	0.02	0.00	14.13	2.00	0.00	0.00	0.02	0.00
14.15	2.00	0.00	0.00	0.02	0.00	14.17	2.00	0.00	0.00	0.02	0.00
14.19	2.00	0.00	0.00	0.02	0.00	14.21	2.00	0.00	0.00	0.02	0.00
14.23	2.00	0.00	0.00	0.02	0.00	14.25	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.27	2.00	0.00	0.00	0.02	0.00	14.29	2.00	0.00	0.00	0.02	0.00
14.31	2.00	0.00	0.00	0.02	0.00	14.33	2.00	0.00	0.00	0.02	0.00
14.35	2.00	0.00	0.00	0.02	0.00	14.37	2.00	0.00	0.00	0.02	0.00
14.39	2.00	0.00	0.00	0.02	0.00	14.41	2.00	0.00	0.00	0.02	0.00
14.43	2.00	0.00	0.00	0.02	0.00	14.45	2.00	0.00	0.00	0.02	0.00
14.47	2.00	0.00	0.00	0.02	0.00	14.49	2.00	0.00	0.00	0.02	0.00
14.51	2.00	0.00	0.00	0.02	0.00	14.53	2.00	0.00	0.00	0.02	0.00
14.55	2.00	0.00	0.00	0.02	0.00	14.57	2.00	0.00	0.00	0.02	0.00
14.59	2.00	0.00	0.00	0.02	0.00	14.61	2.00	0.00	0.00	0.02	0.00
14.63	2.00	0.00	0.00	0.02	0.00	14.65	2.00	0.00	0.00	0.02	0.00
14.67	2.00	0.00	0.00	0.02	0.00	14.69	2.00	0.00	0.00	0.02	0.00
14.71	2.00	0.00	0.00	0.02	0.00	14.73	2.00	0.00	0.00	0.02	0.00
14.75	2.00	0.00	0.00	0.02	0.00	14.77	2.00	0.00	0.00	0.02	0.00
14.79	2.00	0.00	0.00	0.02	0.00	14.81	2.00	0.00	0.00	0.02	0.00
14.83	2.00	0.00	0.00	0.02	0.00	14.85	2.00	0.00	0.00	0.02	0.00
14.87	2.00	0.00	0.00	0.02	0.00	14.89	2.00	0.00	0.00	0.02	0.00
14.91	2.00	0.00	0.00	0.02	0.00	14.93	2.00	0.00	0.00	0.02	0.00
14.95	2.00	0.00	0.00	0.02	0.00	14.97	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.30	2.00	0.00	0.00	0.02	0.00	15.32	2.00	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	2.00	0.00	0.00	0.02	0.00
15.46	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	1.20	0.00	0.00	0.02	0.00	16.00	1.21	0.00	0.00	0.02	0.00
16.02	1.21	0.00	0.00	0.02	0.00	16.04	1.21	0.00	0.00	0.02	0.00
16.06	1.22	0.00	0.00	0.02	0.00	16.08	1.22	0.00	0.00	0.02	0.00
16.10	1.22	0.00	0.00	0.02	0.00	16.12	1.23	0.00	0.00	0.02	0.00
16.14	1.24	0.00	0.00	0.02	0.00	16.16	1.25	0.00	0.00	0.02	0.00
16.18	1.25	0.00	0.00	0.02	0.00	16.20	1.24	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.22	1.23	0.00	0.00	0.02	0.00	16.24	1.22	0.00	0.00	0.02	0.00
16.26	1.20	0.00	0.00	0.02	0.00	16.28	1.19	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	1.24	0.00	0.00	0.02	0.00
16.58	1.26	0.00	0.00	0.02	0.00	16.60	1.28	0.00	0.00	0.02	0.00
16.62	1.28	0.00	0.00	0.02	0.00	16.64	1.27	0.00	0.00	0.02	0.00
16.66	1.27	0.00	0.00	0.02	0.00	16.68	1.27	0.00	0.00	0.02	0.00
16.70	1.27	0.00	0.00	0.02	0.00	16.72	1.28	0.00	0.00	0.02	0.00
16.74	1.29	0.00	0.00	0.02	0.00	16.76	1.24	0.00	0.00	0.02	0.00
16.78	1.22	0.00	0.00	0.02	0.00	16.80	1.21	0.00	0.00	0.02	0.00
16.82	1.19	0.00	0.00	0.02	0.00	16.84	1.18	0.00	0.00	0.02	0.00
16.86	1.17	0.00	0.00	0.02	0.00	16.88	1.17	0.00	0.00	0.02	0.00
16.90	1.17	0.00	0.00	0.02	0.00	16.92	1.17	0.00	0.00	0.02	0.00
16.94	1.18	0.00	0.00	0.02	0.00	16.96	1.24	0.00	0.00	0.02	0.00
16.98	1.30	0.00	0.00	0.02	0.00	17.00	1.36	0.00	0.00	0.02	0.00
17.02	1.46	0.00	0.00	0.02	0.00	17.04	1.59	0.00	0.00	0.02	0.00
17.06	1.61	0.00	0.00	0.02	0.00	17.08	1.62	0.00	0.00	0.02	0.00
17.10	1.59	0.00	0.00	0.02	0.00	17.12	1.56	0.00	0.00	0.02	0.00
17.14	1.55	0.00	0.00	0.02	0.00	17.16	1.55	0.00	0.00	0.02	0.00
17.18	1.55	0.00	0.00	0.02	0.00	17.19	1.55	0.00	0.00	0.02	0.00
17.21	1.53	0.00	0.00	0.02	0.00	17.23	1.59	0.00	0.00	0.02	0.00
17.25	1.55	0.00	0.00	0.02	0.00	17.27	1.60	0.00	0.00	0.02	0.00
17.29	1.64	0.00	0.00	0.02	0.00	17.31	1.61	0.00	0.00	0.02	0.00
17.33	1.51	0.00	0.00	0.02	0.00	17.35	1.46	0.00	0.00	0.02	0.00
17.37	1.38	0.00	0.00	0.02	0.00	17.39	1.36	0.00	0.00	0.02	0.00
17.41	1.31	0.00	0.00	0.02	0.00	17.43	1.31	0.00	0.00	0.02	0.00
17.45	1.32	0.00	0.00	0.02	0.00	17.47	1.32	0.00	0.00	0.02	0.00
17.49	1.33	0.00	0.00	0.02	0.00	17.51	1.39	0.00	0.00	0.02	0.00
17.53	1.43	0.00	0.00	0.02	0.00	17.55	1.41	0.00	0.00	0.02	0.00
17.57	1.43	0.00	0.00	0.02	0.00	17.59	1.48	0.00	0.00	0.02	0.00
17.61	1.49	0.00	0.00	0.02	0.00	17.63	1.51	0.00	0.00	0.02	0.00
17.65	1.46	0.00	0.00	0.02	0.00	17.67	1.47	0.00	0.00	0.02	0.00
17.69	1.47	0.00	0.00	0.02	0.00	17.71	1.55	0.00	0.00	0.02	0.00
17.73	1.33	0.00	0.00	0.02	0.00	17.75	1.33	0.00	0.00	0.02	0.00
17.77	1.33	0.00	0.00	0.02	0.00	17.79	1.33	0.00	0.00	0.02	0.00
17.81	1.37	0.00	0.00	0.02	0.00	17.83	1.32	0.00	0.00	0.02	0.00
17.85	1.30	0.00	0.00	0.02	0.00	17.87	1.36	0.00	0.00	0.02	0.00
17.89	1.30	0.00	0.00	0.02	0.00	17.91	1.30	0.00	0.00	0.02	0.00
17.93	1.29	0.00	0.00	0.02	0.00	17.95	1.29	0.00	0.00	0.02	0.00
17.97	1.31	0.00	0.00	0.02	0.00	17.99	1.32	0.00	0.00	0.02	0.00
18.01	1.42	0.00	0.00	0.02	0.00	18.03	1.52	0.00	0.00	0.02	0.00
18.05	1.59	0.00	0.00	0.02	0.00	18.07	1.60	0.00	0.00	0.02	0.00
18.09	1.52	0.00	0.00	0.02	0.00	18.11	1.33	0.00	0.00	0.02	0.00
18.13	1.32	0.00	0.00	0.02	0.00	18.15	1.27	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.17	1.22	0.00	0.00	0.02	0.00	18.19	1.14	0.00	0.00	0.02	0.00
18.21	1.10	0.00	0.00	0.02	0.00	18.23	1.08	0.00	0.00	0.02	0.00
18.25	1.06	0.00	0.00	0.02	0.00	18.27	1.03	0.00	0.00	0.02	0.00
18.29	1.06	0.00	0.00	0.02	0.00	18.31	1.11	0.00	0.00	0.02	0.00
18.33	1.16	0.00	0.00	0.02	0.00	18.35	1.21	0.00	0.00	0.02	0.00
18.37	1.23	0.00	0.00	0.02	0.00	18.39	1.24	0.00	0.00	0.02	0.00
18.41	1.21	0.00	0.00	0.02	0.00	18.43	1.14	0.00	0.00	0.02	0.00
18.45	1.06	0.00	0.00	0.02	0.00	18.47	1.02	0.00	0.00	0.02	0.00
18.49	1.00	0.00	0.00	0.02	0.00	18.51	1.02	0.00	0.00	0.02	0.00
18.53	1.04	0.00	0.00	0.02	0.00	18.55	1.07	0.00	0.00	0.02	0.00
18.57	1.05	0.00	0.00	0.02	0.00	18.59	1.03	0.00	0.00	0.02	0.00
18.61	0.98	0.02	43530.42	0.02	0.00	18.63	0.97	0.03	759.72	0.02	0.00
18.65	0.98	0.02	9551.39	0.02	0.00	18.67	0.99	0.01	111748405.67	0.02	0.00
18.69	0.98	0.02	6303.92	0.02	0.00	18.71	0.98	0.02	4696.48	0.02	0.00
18.73	0.98	0.02	6525.63	0.02	0.00	18.75	0.98	0.02	19564.42	0.02	0.00
18.77	0.98	0.02	65567.28	0.02	0.00	18.79	0.99	0.01	4915662777.32	0.02	0.00
18.81	1.00	0.00	754128197	0.02	0.00	18.83	0.98	0.02	4842.28	0.02	0.00
18.85	0.98	0.02	42464.94	0.02	0.00	18.86	0.99	0.01	295991337615.31	0.02	0.00
18.88	0.99	0.01	5234757955 14.47	0.02	0.00	18.90	0.99	0.01	9552822522 869.63	0.02	0.00
18.92	1.02	0.00	0.00	0.02	0.00	18.94	1.06	0.00	0.00	0.02	0.00
18.96	1.10	0.00	0.00	0.02	0.00	18.98	1.19	0.00	0.00	0.02	0.00
19.00	1.24	0.00	0.00	0.02	0.00	19.02	1.28	0.00	0.00	0.02	0.00
19.04	1.32	0.00	0.00	0.02	0.00	19.06	1.28	0.00	0.00	0.02	0.00
19.08	1.37	0.00	0.00	0.02	0.00	19.10	1.42	0.00	0.00	0.02	0.00
19.12	1.30	0.00	0.00	0.02	0.00	19.14	1.28	0.00	0.00	0.02	0.00
19.16	1.30	0.00	0.00	0.02	0.00	19.18	1.37	0.00	0.00	0.02	0.00
19.20	1.37	0.00	0.00	0.02	0.00	19.22	1.24	0.00	0.00	0.02	0.00
19.24	1.18	0.00	0.00	0.02	0.00	19.26	1.16	0.00	0.00	0.02	0.00
19.28	1.15	0.00	0.00	0.02	0.00	19.30	1.21	0.00	0.00	0.02	0.00
19.32	1.23	0.00	0.00	0.02	0.00	19.34	1.26	0.00	0.00	0.02	0.00
19.36	1.30	0.00	0.00	0.02	0.00	19.38	1.40	0.00	0.00	0.02	0.00
19.40	1.56	0.00	0.00	0.02	0.00	19.42	1.69	0.00	0.00	0.02	0.00
19.44	1.81	0.00	0.00	0.02	0.00	19.46	1.81	0.00	0.00	0.02	0.00
19.48	1.64	0.00	0.00	0.02	0.00	19.50	1.49	0.00	0.00	0.02	0.00
19.52	1.37	0.00	0.00	0.02	0.00	19.54	1.28	0.00	0.00	0.02	0.00
19.56	1.27	0.00	0.00	0.02	0.00	19.58	1.26	0.00	0.00	0.02	0.00
19.60	1.25	0.00	0.00	0.02	0.00	19.62	1.25	0.00	0.00	0.02	0.00
19.64	1.26	0.00	0.00	0.02	0.00	19.66	1.24	0.00	0.00	0.02	0.00
19.68	1.20	0.00	0.00	0.02	0.00	19.70	1.13	0.00	0.00	0.02	0.00
19.72	1.04	0.00	0.00	0.02	0.00	19.74	1.22	0.00	0.00	0.02	0.00
19.76	1.39	0.00	0.00	0.02	0.00	19.78	1.34	0.00	0.00	0.02	0.00
19.80	1.43	0.00	0.00	0.02	0.00	19.82	1.50	0.00	0.00	0.02	0.00
19.84	1.57	0.00	0.00	0.02	0.00	19.86	1.67	0.00	0.00	0.02	0.00
19.88	1.70	0.00	0.00	0.02	0.00	19.90	1.57	0.00	0.00	0.02	0.00
19.92	1.41	0.00	0.00	0.02	0.00	19.94	1.28	0.00	0.00	0.02	0.00
19.96	1.17	0.00	0.00	0.02	0.00						

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

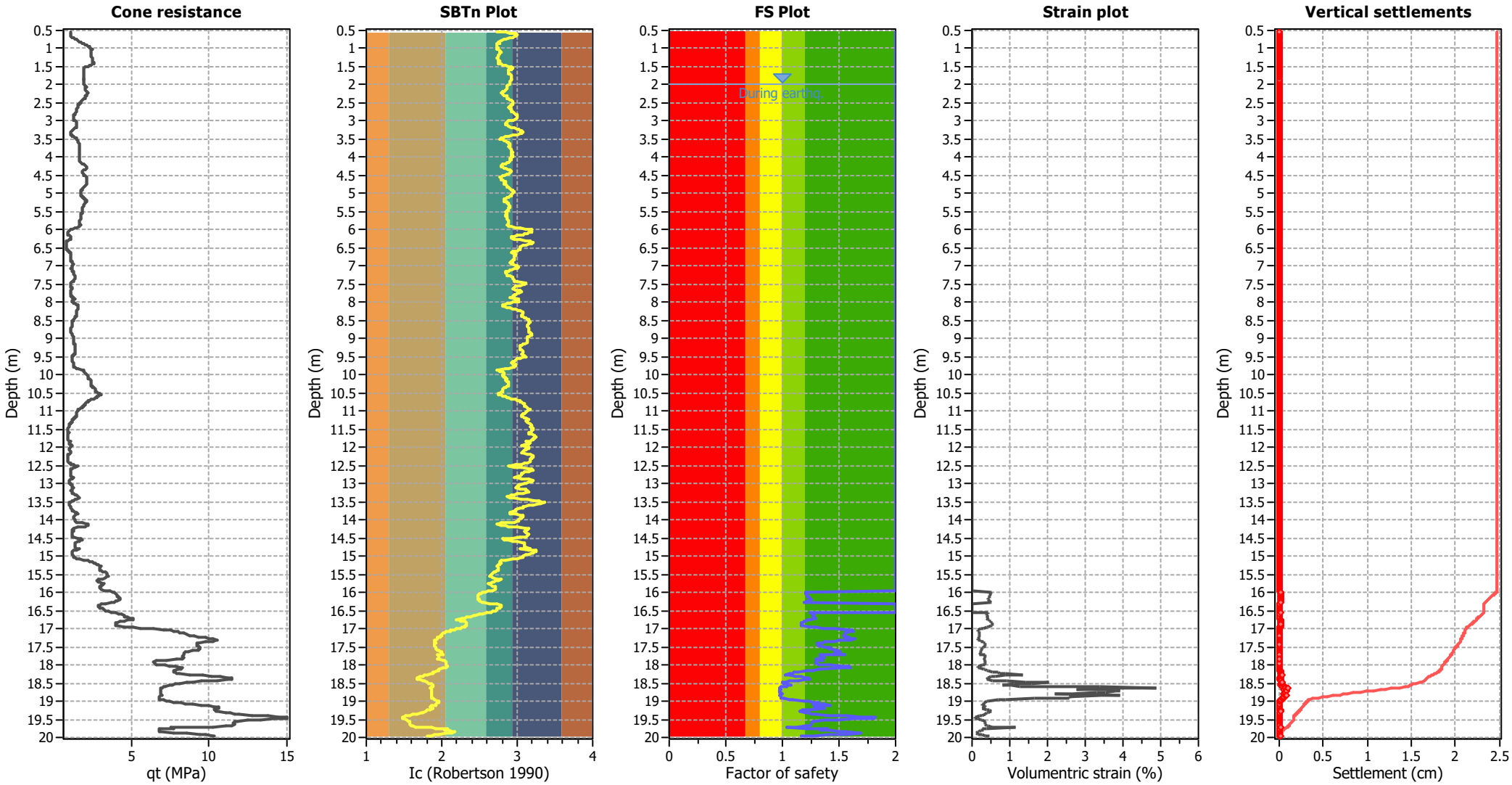
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.56	2.73	17.87	5.07	90.53	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.58	2.84	17.04	6.35	108.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.60	2.91	16.94	7.40	125.30	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	2.98	16.87	8.46	142.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	3.01	16.85	8.88	149.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.99	17.02	8.69	147.81	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.98	17.38	8.48	147.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.96	18.01	8.13	146.43	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.94	19.05	7.79	148.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.91	20.49	7.28	149.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.85	22.57	6.51	146.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.83	23.73	6.20	147.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.78	26.04	5.62	146.31	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.76	27.64	5.33	147.35	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.84	2.75	28.87	5.23	151.11	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.86	2.76	29.59	5.37	158.94	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.88	2.74	31.90	5.09	162.53	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.90	2.74	33.53	5.10	171.18	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.92	2.74	35.10	5.09	178.80	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.94	2.74	36.17	5.13	185.40	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.96	2.73	37.43	5.08	190.04	0	0	0.08	0.000	0.00	0.00	0.00	0.000
0.98	2.74	38.10	5.10	194.32	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.00	2.76	38.29	5.36	205.13	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.02	2.74	40.39	5.12	206.86	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.04	2.75	40.26	5.27	212.05	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.06	2.76	39.77	5.42	215.56	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.08	2.78	39.27	5.58	218.99	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.10	2.78	39.06	5.59	218.52	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.12	2.78	39.04	5.59	218.11	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.14	2.77	39.04	5.53	215.81	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.16	2.76	39.08	5.39	210.55	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.18	2.76	39.13	5.36	209.81	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.20	2.76	39.13	5.35	209.51	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.22	2.75	39.42	5.30	208.99	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.24	2.74	40.06	5.20	208.12	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.26	2.73	40.98	5.05	206.76	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.28	2.73	41.38	5.03	208.28	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.30	2.74	40.98	5.16	211.55	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.32	2.75	40.98	5.26	215.61	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.34	2.76	40.99	5.33	218.48	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.36	2.76	41.07	5.37	220.59	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.38	2.76	41.15	5.40	222.02	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.40	2.75	41.99	5.31	222.82	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.42	2.76	41.99	5.36	225.23	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.44	2.78	40.96	5.62	230.30	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.46	2.81	39.33	6.00	236.09	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.48	2.85	37.14	6.50	241.30	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.50	2.88	35.52	6.96	247.32	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.52	2.92	33.70	7.52	253.29	0	0	0.08	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.54	2.94	32.12	7.81	250.97	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.56	2.94	31.32	7.79	244.05	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.58	2.91	31.12	7.41	230.67	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.60	2.88	31.03	6.95	215.75	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.62	2.88	31.02	6.90	214.12	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.64	2.88	31.01	6.90	214.02	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.66	2.88	31.10	6.90	214.47	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.68	2.88	30.85	6.99	215.52	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.70	2.89	30.73	7.06	216.98	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.72	2.91	30.70	7.32	224.65	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.74	2.92	30.71	7.45	228.71	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.76	2.92	30.71	7.56	232.04	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.78	2.92	30.73	7.54	231.82	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.80	2.92	30.78	7.55	232.45	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.87	2.92	30.80	7.56	232.70	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.87	2.92	30.84	7.57	233.34	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.82	2.92	31.00	7.54	233.75	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.88	2.92	30.82	7.51	231.42	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.90	2.91	30.78	7.40	227.83	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.92	2.91	30.76	7.39	227.20	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.94	2.91	30.76	7.38	226.88	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.96	2.91	30.76	7.38	227.02	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.98	2.91	30.78	7.38	227.14	0	0	0.08	0.000	0.00	0.00	0.00	0.000
2.00	2.91	30.99	7.36	228.01	0	0	0.08	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	32.72	2.00	0.00	1.00	0.00	2.04	32.78	2.00	0.00	1.00	0.00
2.06	33.34	2.00	0.00	1.00	0.00	2.08	32.72	2.00	0.00	1.00	0.00
2.10	32.95	2.00	0.00	1.00	0.00	2.12	32.78	2.00	0.00	1.00	0.00
2.14	32.79	2.00	0.00	1.00	0.00	2.16	32.80	2.00	0.00	1.00	0.00
2.18	33.17	2.00	0.00	1.00	0.00	2.20	33.82	2.00	0.00	1.00	0.00
2.22	34.76	2.00	0.00	1.00	0.00	2.24	34.32	2.00	0.00	1.00	0.00
2.26	33.60	2.00	0.00	1.00	0.00	2.28	33.54	2.00	0.00	1.00	0.00
2.30	32.99	2.00	0.00	1.00	0.00	2.32	31.54	2.00	0.00	1.00	0.00
2.34	31.20	2.00	0.00	1.00	0.00	2.36	31.25	2.00	0.00	1.00	0.00
2.38	30.77	2.00	0.00	1.00	0.00	2.40	29.81	2.00	0.00	1.00	0.00
2.42	28.60	2.00	0.00	1.00	0.00	2.44	28.02	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.46	27.09	2.00	0.00	1.00	0.00	2.48	26.34	2.00	0.00	1.00	0.00
2.50	26.13	2.00	0.00	1.00	0.00	2.52	25.37	2.00	0.00	1.00	0.00
2.54	24.92	2.00	0.00	1.00	0.00	2.56	24.21	2.00	0.00	1.00	0.00
2.58	24.14	2.00	0.00	1.00	0.00	2.60	23.97	2.00	0.00	1.00	0.00
2.62	23.69	2.00	0.00	1.00	0.00	2.64	23.03	2.00	0.00	1.00	0.00
2.66	22.89	2.00	0.00	1.00	0.00	2.68	22.27	2.00	0.00	1.00	0.00
2.70	22.16	2.00	0.00	1.00	0.00	2.72	21.93	2.00	0.00	1.00	0.00
2.74	21.59	2.00	0.00	1.00	0.00	2.76	21.29	2.00	0.00	1.00	0.00
2.78	20.88	2.00	0.00	1.00	0.00	2.80	20.72	2.00	0.00	1.00	0.00
2.82	19.90	2.00	0.00	1.00	0.00	2.84	19.36	2.00	0.00	1.00	0.00
2.86	19.30	2.00	0.00	1.00	0.00	2.88	19.23	2.00	0.00	1.00	0.00
2.90	19.21	2.00	0.00	1.00	0.00	2.92	19.16	2.00	0.00	1.00	0.00
2.94	19.13	2.00	0.00	1.00	0.00	2.96	19.09	2.00	0.00	1.00	0.00
2.98	19.09	2.00	0.00	1.00	0.00	3.00	20.10	2.00	0.00	1.00	0.00
3.02	20.41	2.00	0.00	1.00	0.00	3.04	20.54	2.00	0.00	1.00	0.00
3.06	20.81	2.00	0.00	1.00	0.00	3.08	20.83	2.00	0.00	1.00	0.00
3.10	21.30	2.00	0.00	1.00	0.00	3.12	21.24	2.00	0.00	1.00	0.00
3.14	21.13	2.00	0.00	1.00	0.00	3.16	21.18	2.00	0.00	1.00	0.00
3.18	20.35	2.00	0.00	1.00	0.00	3.20	19.52	2.00	0.00	1.00	0.00
3.22	18.42	2.00	0.00	1.00	0.00	3.24	17.67	2.00	0.00	1.00	0.00
3.26	16.70	2.00	0.00	1.00	0.00	3.28	16.15	2.00	0.00	1.00	0.00
3.30	15.59	2.00	0.00	1.00	0.00	3.32	15.42	2.00	0.00	1.00	0.00
3.34	15.37	2.00	0.00	1.00	0.00	3.36	15.35	2.00	0.00	1.00	0.00
3.38	15.33	2.00	0.00	1.00	0.00	3.40	15.56	2.00	0.00	1.00	0.00
3.42	16.68	2.00	0.00	1.00	0.00	3.44	17.75	2.00	0.00	1.00	0.00
3.46	18.61	2.00	0.00	1.00	0.00	3.48	19.41	2.00	0.00	1.00	0.00
3.50	19.90	2.00	0.00	1.00	0.00	3.52	20.10	2.00	0.00	1.00	0.00
3.54	20.44	2.00	0.00	1.00	0.00	3.56	21.17	2.00	0.00	1.00	0.00
3.59	21.23	2.00	0.00	1.00	0.00	3.60	21.56	2.00	0.00	1.00	0.00
3.62	21.83	2.00	0.00	1.00	0.00	3.64	22.04	2.00	0.00	1.00	0.00
3.66	21.89	2.00	0.00	1.00	0.00	3.68	22.32	2.00	0.00	1.00	0.00
3.70	22.43	2.00	0.00	1.00	0.00	3.72	22.80	2.00	0.00	1.00	0.00
3.74	22.58	2.00	0.00	1.00	0.00	3.76	22.48	2.00	0.00	1.00	0.00
3.78	22.43	2.00	0.00	1.00	0.00	3.80	22.39	2.00	0.00	1.00	0.00
3.82	22.35	2.00	0.00	1.00	0.00	3.84	22.33	2.00	0.00	1.00	0.00
3.86	21.70	2.00	0.00	1.00	0.00	3.88	21.63	2.00	0.00	1.00	0.00
3.90	21.57	2.00	0.00	1.00	0.00	3.92	21.57	2.00	0.00	1.00	0.00
3.94	21.47	2.00	0.00	1.00	0.00	3.96	21.41	2.00	0.00	1.00	0.00
3.98	21.36	2.00	0.00	1.00	0.00	4.00	21.35	2.00	0.00	1.00	0.00
4.02	21.35	2.00	0.00	1.00	0.00	4.04	21.69	2.00	0.00	1.00	0.00
4.06	21.45	2.00	0.00	1.00	0.00	4.08	21.44	2.00	0.00	1.00	0.00
4.10	21.42	2.00	0.00	1.00	0.00	4.12	21.51	2.00	0.00	1.00	0.00
4.14	21.75	2.00	0.00	1.00	0.00	4.16	22.42	2.00	0.00	1.00	0.00
4.18	23.21	2.00	0.00	1.00	0.00	4.20	24.24	2.00	0.00	1.00	0.00
4.22	25.27	2.00	0.00	1.00	0.00	4.24	25.77	2.00	0.00	1.00	0.00
4.26	26.66	2.00	0.00	1.00	0.00	4.28	26.96	2.00	0.00	1.00	0.00
4.30	26.84	2.00	0.00	1.00	0.00	4.32	26.47	2.00	0.00	1.00	0.00
4.34	25.16	2.00	0.00	1.00	0.00	4.36	24.47	2.00	0.00	1.00	0.00
4.38	23.72	2.00	0.00	1.00	0.00	4.40	23.66	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.42	23.62	2.00	0.00	1.00	0.00	4.44	23.60	2.00	0.00	1.00	0.00
4.46	23.58	2.00	0.00	1.00	0.00	4.48	23.60	2.00	0.00	1.00	0.00
4.50	24.00	2.00	0.00	1.00	0.00	4.52	24.91	2.00	0.00	1.00	0.00
4.54	25.82	2.00	0.00	1.00	0.00	4.56	26.36	2.00	0.00	1.00	0.00
4.58	25.80	2.00	0.00	1.00	0.00	4.60	25.82	2.00	0.00	1.00	0.00
4.62	25.84	2.00	0.00	1.00	0.00	4.64	25.89	2.00	0.00	1.00	0.00
4.66	25.93	2.00	0.00	1.00	0.00	4.68	25.90	2.00	0.00	1.00	0.00
4.70	25.87	2.00	0.00	1.00	0.00	4.72	25.96	2.00	0.00	1.00	0.00
4.74	26.21	2.00	0.00	1.00	0.00	4.76	25.63	2.00	0.00	1.00	0.00
4.78	24.39	2.00	0.00	1.00	0.00	4.80	24.32	2.00	0.00	1.00	0.00
4.82	23.88	2.00	0.00	1.00	0.00	4.84	23.16	2.00	0.00	1.00	0.00
4.86	22.75	2.00	0.00	1.00	0.00	4.88	22.53	2.00	0.00	1.00	0.00
4.90	21.71	2.00	0.00	1.00	0.00	4.92	21.55	2.00	0.00	1.00	0.00
4.94	21.40	2.00	0.00	1.00	0.00	4.96	21.45	2.00	0.00	1.00	0.00
4.98	21.23	2.00	0.00	1.00	0.00	5.00	21.16	2.00	0.00	1.00	0.00
5.02	21.11	2.00	0.00	1.00	0.00	5.04	21.09	2.00	0.00	1.00	0.00
5.06	21.07	2.00	0.00	1.00	0.00	5.08	21.59	2.00	0.00	1.00	0.00
5.10	22.11	2.00	0.00	1.00	0.00	5.12	22.76	2.00	0.00	1.00	0.00
5.14	23.15	2.00	0.00	1.00	0.00	5.16	23.92	2.00	0.00	1.00	0.00
5.19	24.32	2.00	0.00	1.00	0.00	5.20	24.70	2.00	0.00	1.00	0.00
5.22	25.29	2.00	0.00	1.00	0.00	5.24	24.07	2.00	0.00	1.00	0.00
5.26	23.90	2.00	0.00	1.00	0.00	5.28	23.23	2.00	0.00	1.00	0.00
5.30	22.96	2.00	0.00	1.00	0.00	5.32	23.09	2.00	0.00	1.00	0.00
5.34	22.30	2.00	0.00	1.00	0.00	5.36	22.06	2.00	0.00	1.00	0.00
5.38	21.82	2.00	0.00	1.00	0.00	5.40	21.58	2.00	0.00	1.00	0.00
5.42	21.45	2.00	0.00	1.00	0.00	5.44	21.41	2.00	0.00	1.00	0.00
5.46	21.36	2.00	0.00	1.00	0.00	5.48	21.33	2.00	0.00	1.00	0.00
5.50	21.30	2.00	0.00	1.00	0.00	5.52	21.62	2.00	0.00	1.00	0.00
5.54	20.77	2.00	0.00	1.00	0.00	5.56	20.48	2.00	0.00	1.00	0.00
5.58	20.38	2.00	0.00	1.00	0.00	5.60	20.04	2.00	0.00	1.00	0.00
5.62	20.01	2.00	0.00	1.00	0.00	5.64	19.89	2.00	0.00	1.00	0.00
5.66	19.92	2.00	0.00	1.00	0.00	5.68	19.83	2.00	0.00	1.00	0.00
5.70	19.60	2.00	0.00	1.00	0.00	5.72	19.55	2.00	0.00	1.00	0.00
5.74	18.81	2.00	0.00	1.00	0.00	5.76	18.75	2.00	0.00	1.00	0.00
5.78	18.75	2.00	0.00	1.00	0.00	5.80	18.74	2.00	0.00	1.00	0.00
5.82	18.75	2.00	0.00	1.00	0.00	5.84	18.88	2.00	0.00	1.00	0.00
5.86	18.97	2.00	0.00	1.00	0.00	5.88	18.75	2.00	0.00	1.00	0.00
5.90	18.33	2.00	0.00	1.00	0.00	5.92	17.78	2.00	0.00	1.00	0.00
5.94	16.03	2.00	0.00	1.00	0.00	5.96	15.26	2.00	0.00	1.00	0.00
5.98	13.21	2.00	0.00	1.00	0.00	6.00	11.40	2.00	0.00	1.00	0.00
6.02	11.02	2.00	0.00	1.00	0.00	6.04	10.44	2.00	0.00	1.00	0.00
6.06	9.89	2.00	0.00	1.00	0.00	6.08	9.86	2.00	0.00	1.00	0.00
6.10	9.85	2.00	0.00	1.00	0.00	6.12	9.84	2.00	0.00	1.00	0.00
6.14	9.82	2.00	0.00	1.00	0.00	6.16	10.70	2.00	0.00	1.00	0.00
6.18	11.39	2.00	0.00	1.00	0.00	6.20	11.87	2.00	0.00	1.00	0.00
6.22	12.06	2.00	0.00	1.00	0.00	6.24	11.82	2.00	0.00	1.00	0.00
6.26	11.47	2.00	0.00	1.00	0.00	6.28	10.57	2.00	0.00	1.00	0.00
6.30	9.65	2.00	0.00	1.00	0.00	6.32	8.70	2.00	0.00	1.00	0.00
6.34	8.42	2.00	0.00	1.00	0.00	6.36	8.34	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.38	8.30	2.00	0.00	1.00	0.00	6.40	8.39	2.00	0.00	1.00	0.00
6.42	8.48	2.00	0.00	1.00	0.00	6.44	8.67	2.00	0.00	1.00	0.00
6.46	8.74	2.00	0.00	1.00	0.00	6.48	8.63	2.00	0.00	1.00	0.00
6.50	8.58	2.00	0.00	1.00	0.00	6.52	8.55	2.00	0.00	1.00	0.00
6.54	8.54	2.00	0.00	1.00	0.00	6.56	8.88	2.00	0.00	1.00	0.00
6.58	9.23	2.00	0.00	1.00	0.00	6.60	9.82	2.00	0.00	1.00	0.00
6.62	10.61	2.00	0.00	1.00	0.00	6.64	10.95	2.00	0.00	1.00	0.00
6.66	10.76	2.00	0.00	1.00	0.00	6.68	10.75	2.00	0.00	1.00	0.00
6.70	10.74	2.00	0.00	1.00	0.00	6.72	10.73	2.00	0.00	1.00	0.00
6.74	10.91	2.00	0.00	1.00	0.00	6.76	10.85	2.00	0.00	1.00	0.00
6.78	10.85	2.00	0.00	1.00	0.00	6.80	10.84	2.00	0.00	1.00	0.00
6.82	10.88	2.00	0.00	1.00	0.00	6.84	11.00	2.00	0.00	1.00	0.00
6.86	11.10	2.00	0.00	1.00	0.00	6.88	11.52	2.00	0.00	1.00	0.00
6.90	11.70	2.00	0.00	1.00	0.00	6.92	12.32	2.00	0.00	1.00	0.00
6.94	12.93	2.00	0.00	1.00	0.00	6.96	12.33	2.00	0.00	1.00	0.00
6.98	11.76	2.00	0.00	1.00	0.00	7.00	11.80	2.00	0.00	1.00	0.00
7.02	11.62	2.00	0.00	1.00	0.00	7.04	11.10	2.00	0.00	1.00	0.00
7.06	11.05	2.00	0.00	1.00	0.00	7.08	11.05	2.00	0.00	1.00	0.00
7.10	11.06	2.00	0.00	1.00	0.00	7.12	11.09	2.00	0.00	1.00	0.00
7.14	11.46	2.00	0.00	1.00	0.00	7.16	12.01	2.00	0.00	1.00	0.00
7.18	12.18	2.00	0.00	1.00	0.00	7.20	12.32	2.00	0.00	1.00	0.00
7.22	12.28	2.00	0.00	1.00	0.00	7.24	12.79	2.00	0.00	1.00	0.00
7.26	12.99	2.00	0.00	1.00	0.00	7.28	12.97	2.00	0.00	1.00	0.00
7.30	13.32	2.00	0.00	1.00	0.00	7.32	13.06	2.00	0.00	1.00	0.00
7.34	12.79	2.00	0.00	1.00	0.00	7.36	12.96	2.00	0.00	1.00	0.00
7.38	12.68	2.00	0.00	1.00	0.00	7.40	12.48	2.00	0.00	1.00	0.00
7.42	12.41	2.00	0.00	1.00	0.00	7.44	11.75	2.00	0.00	1.00	0.00
7.46	10.35	2.00	0.00	1.00	0.00	7.48	10.18	2.00	0.00	1.00	0.00
7.50	10.18	2.00	0.00	1.00	0.00	7.52	10.19	2.00	0.00	1.00	0.00
7.54	10.23	2.00	0.00	1.00	0.00	7.56	10.33	2.00	0.00	1.00	0.00
7.58	10.48	2.00	0.00	1.00	0.00	7.60	10.70	2.00	0.00	1.00	0.00
7.62	10.99	2.00	0.00	1.00	0.00	7.64	11.03	2.00	0.00	1.00	0.00
7.66	10.55	2.00	0.00	1.00	0.00	7.68	10.12	2.00	0.00	1.00	0.00
7.70	10.08	2.00	0.00	1.00	0.00	7.72	10.08	2.00	0.00	1.00	0.00
7.74	10.07	2.00	0.00	1.00	0.00	7.76	10.08	2.00	0.00	1.00	0.00
7.78	10.38	2.00	0.00	1.00	0.00	7.80	10.39	2.00	0.00	1.00	0.00
7.82	10.69	2.00	0.00	1.00	0.00	7.84	10.37	2.00	0.00	1.00	0.00
7.86	10.98	2.00	0.00	1.00	0.00	7.88	11.97	2.00	0.00	1.00	0.00
7.90	11.62	2.00	0.00	1.00	0.00	7.92	13.50	2.00	0.00	1.00	0.00
7.94	11.58	2.00	0.00	1.00	0.00	7.96	11.56	2.00	0.00	1.00	0.00
7.98	11.55	2.00	0.00	1.00	0.00	8.00	11.68	2.00	0.00	1.00	0.00
8.02	11.81	2.00	0.00	1.00	0.00	8.04	12.35	2.00	0.00	1.00	0.00
8.06	13.41	2.00	0.00	1.00	0.00	8.08	14.10	2.00	0.00	1.00	0.00
8.10	14.59	2.00	0.00	1.00	0.00	8.12	14.77	2.00	0.00	1.00	0.00
8.14	15.16	2.00	0.00	1.00	0.00	8.16	15.24	2.00	0.00	1.00	0.00
8.18	14.94	2.00	0.00	1.00	0.00	8.20	15.05	2.00	0.00	1.00	0.00
8.22	14.66	2.00	0.00	1.00	0.00	8.24	14.39	2.00	0.00	1.00	0.00
8.26	14.50	2.00	0.00	1.00	0.00	8.28	14.05	2.00	0.00	1.00	0.00
8.30	14.01	2.00	0.00	1.00	0.00	8.32	13.98	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.34	13.98	2.00	0.00	1.00	0.00	8.36	13.97	2.00	0.00	1.00	0.00
8.38	14.02	2.00	0.00	1.00	0.00	8.40	13.98	2.00	0.00	1.00	0.00
8.42	13.65	2.00	0.00	1.00	0.00	8.44	13.26	2.00	0.00	1.00	0.00
8.46	12.77	2.00	0.00	1.00	0.00	8.48	12.55	2.00	0.00	1.00	0.00
8.50	12.03	2.00	0.00	1.00	0.00	8.52	11.81	2.00	0.00	1.00	0.00
8.54	11.53	2.00	0.00	1.00	0.00	8.56	11.25	2.00	0.00	1.00	0.00
8.58	11.28	2.00	0.00	1.00	0.00	8.60	11.16	2.00	0.00	1.00	0.00
8.62	11.09	2.00	0.00	1.00	0.00	8.64	10.95	2.00	0.00	1.00	0.00
8.66	10.91	2.00	0.00	1.00	0.00	8.68	10.84	2.00	0.00	1.00	0.00
8.70	10.60	2.00	0.00	1.00	0.00	8.72	10.42	2.00	0.00	1.00	0.00
8.74	10.32	2.00	0.00	1.00	0.00	8.76	10.32	2.00	0.00	1.00	0.00
8.78	10.32	2.00	0.00	1.00	0.00	8.80	10.33	2.00	0.00	1.00	0.00
8.82	10.37	2.00	0.00	1.00	0.00	8.84	10.46	2.00	0.00	1.00	0.00
8.86	10.45	2.00	0.00	1.00	0.00	8.88	10.50	2.00	0.00	1.00	0.00
8.90	10.56	2.00	0.00	1.00	0.00	8.92	10.69	2.00	0.00	1.00	0.00
8.94	10.97	2.00	0.00	1.00	0.00	8.96	11.35	2.00	0.00	1.00	0.00
8.98	11.73	2.00	0.00	1.00	0.00	9.00	11.67	2.00	0.00	1.00	0.00
9.02	11.73	2.00	0.00	1.00	0.00	9.04	11.74	2.00	0.00	1.00	0.00
9.06	11.74	2.00	0.00	1.00	0.00	9.08	11.67	2.00	0.00	1.00	0.00
9.10	11.63	2.00	0.00	1.00	0.00	9.12	11.61	2.00	0.00	1.00	0.00
9.14	11.77	2.00	0.00	1.00	0.00	9.16	11.93	2.00	0.00	1.00	0.00
9.18	12.25	2.00	0.00	1.00	0.00	9.20	12.38	2.00	0.00	1.00	0.00
9.22	12.84	2.00	0.00	1.00	0.00	9.24	12.80	2.00	0.00	1.00	0.00
9.26	12.83	2.00	0.00	1.00	0.00	9.28	12.81	2.00	0.00	1.00	0.00
9.30	12.75	2.00	0.00	1.00	0.00	9.32	12.78	2.00	0.00	1.00	0.00
9.34	12.53	2.00	0.00	1.00	0.00	9.36	12.23	2.00	0.00	1.00	0.00
9.38	12.06	2.00	0.00	1.00	0.00	9.40	11.98	2.00	0.00	1.00	0.00
9.42	11.90	2.00	0.00	1.00	0.00	9.44	11.93	2.00	0.00	1.00	0.00
9.46	11.78	2.00	0.00	1.00	0.00	9.48	11.05	2.00	0.00	1.00	0.00
9.50	10.37	2.00	0.00	1.00	0.00	9.52	9.94	2.00	0.00	1.00	0.00
9.54	9.93	2.00	0.00	1.00	0.00	9.56	9.92	2.00	0.00	1.00	0.00
9.58	9.91	2.00	0.00	1.00	0.00	9.60	9.90	2.00	0.00	1.00	0.00
9.62	10.10	2.00	0.00	1.00	0.00	9.64	10.19	2.00	0.00	1.00	0.00
9.66	10.47	2.00	0.00	1.00	0.00	9.68	10.70	2.00	0.00	1.00	0.00
9.70	10.83	2.00	0.00	1.00	0.00	9.72	10.92	2.00	0.00	1.00	0.00
9.74	10.85	2.00	0.00	1.00	0.00	9.76	10.87	2.00	0.00	1.00	0.00
9.78	10.89	2.00	0.00	1.00	0.00	9.80	10.96	2.00	0.00	1.00	0.00
9.82	11.30	2.00	0.00	1.00	0.00	9.84	12.06	2.00	0.00	1.00	0.00
9.86	13.09	2.00	0.00	1.00	0.00	9.88	16.32	2.00	0.00	1.00	0.00
9.90	16.79	2.00	0.00	1.00	0.00	9.92	17.06	2.00	0.00	1.00	0.00
9.94	17.09	2.00	0.00	1.00	0.00	9.96	17.24	2.00	0.00	1.00	0.00
9.98	17.90	2.00	0.00	1.00	0.00	10.00	18.00	2.00	0.00	1.00	0.00
10.02	18.33	2.00	0.00	1.00	0.00	10.04	19.10	2.00	0.00	1.00	0.00
10.06	19.77	2.00	0.00	1.00	0.00	10.08	19.82	2.00	0.00	1.00	0.00
10.10	19.89	2.00	0.00	1.00	0.00	10.12	20.00	2.00	0.00	1.00	0.00
10.14	20.37	2.00	0.00	1.00	0.00	10.16	21.16	2.00	0.00	1.00	0.00
10.18	21.59	2.00	0.00	1.00	0.00	10.20	21.41	2.00	0.00	1.00	0.00
10.22	21.36	2.00	0.00	1.00	0.00	10.24	21.32	2.00	0.00	1.00	0.00
10.26	21.35	2.00	0.00	1.00	0.00	10.28	21.37	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.30	21.44	2.00	0.00	1.00	0.00	10.32	21.71	2.00	0.00	1.00	0.00
10.34	21.70	2.00	0.00	1.00	0.00	10.36	22.15	2.00	0.00	1.00	0.00
10.38	23.12	2.00	0.00	1.00	0.00	10.40	23.52	2.00	0.00	1.00	0.00
10.42	23.26	2.00	0.00	1.00	0.00	10.44	23.43	2.00	0.00	1.00	0.00
10.46	23.49	2.00	0.00	1.00	0.00	10.48	23.73	2.00	0.00	1.00	0.00
10.50	24.52	2.00	0.00	1.00	0.00	10.52	25.31	2.00	0.00	1.00	0.00
10.54	26.11	2.00	0.00	1.00	0.00	10.56	26.38	2.00	0.00	1.00	0.00
10.58	26.07	2.00	0.00	1.00	0.00	10.60	25.69	2.00	0.00	1.00	0.00
10.62	24.77	2.00	0.00	1.00	0.00	10.64	24.38	2.00	0.00	1.00	0.00
10.66	23.85	2.00	0.00	1.00	0.00	10.68	22.80	2.00	0.00	1.00	0.00
10.70	21.12	2.00	0.00	1.00	0.00	10.72	19.92	2.00	0.00	1.00	0.00
10.74	19.17	2.00	0.00	1.00	0.00	10.76	19.03	2.00	0.00	1.00	0.00
10.78	18.59	2.00	0.00	1.00	0.00	10.80	18.07	2.00	0.00	1.00	0.00
10.82	17.36	2.00	0.00	1.00	0.00	10.84	17.41	2.00	0.00	1.00	0.00
10.86	17.12	2.00	0.00	1.00	0.00	10.88	16.84	2.00	0.00	1.00	0.00
10.90	16.22	2.00	0.00	1.00	0.00	10.92	15.49	2.00	0.00	1.00	0.00
10.94	14.91	2.00	0.00	1.00	0.00	10.96	14.25	2.00	0.00	1.00	0.00
10.98	13.49	2.00	0.00	1.00	0.00	11.00	13.27	2.00	0.00	1.00	0.00
11.02	13.19	2.00	0.00	1.00	0.00	11.04	12.77	2.00	0.00	1.00	0.00
11.06	12.65	2.00	0.00	1.00	0.00	11.08	12.60	2.00	0.00	1.00	0.00
11.10	12.55	2.00	0.00	1.00	0.00	11.12	12.57	2.00	0.00	1.00	0.00
11.14	12.51	2.00	0.00	1.00	0.00	11.16	12.12	2.00	0.00	1.00	0.00
11.18	11.63	2.00	0.00	1.00	0.00	11.20	11.09	2.00	0.00	1.00	0.00
11.22	10.44	2.00	0.00	1.00	0.00	11.24	10.12	2.00	0.00	1.00	0.00
11.26	9.96	2.00	0.00	1.00	0.00	11.28	9.71	2.00	0.00	1.00	0.00
11.30	9.60	2.00	0.00	1.00	0.00	11.32	9.40	2.00	0.00	1.00	0.00
11.34	9.06	2.00	0.00	1.00	0.00	11.36	8.60	2.00	0.00	1.00	0.00
11.37	8.27	2.00	0.00	1.00	0.00	11.39	8.00	2.00	0.00	1.00	0.00
11.41	7.85	2.00	0.00	1.00	0.00	11.43	7.61	2.00	0.00	1.00	0.00
11.45	7.65	2.00	0.00	1.00	0.00	11.47	7.46	2.00	0.00	1.00	0.00
11.49	7.15	2.00	0.00	1.00	0.00	11.51	7.12	2.00	0.00	1.00	0.00
11.53	7.12	2.00	0.00	1.00	0.00	11.55	7.12	2.00	0.00	1.00	0.00
11.57	7.12	2.00	0.00	1.00	0.00	11.59	7.24	2.00	0.00	1.00	0.00
11.61	7.50	2.00	0.00	1.00	0.00	11.63	7.38	2.00	0.00	1.00	0.00
11.65	7.12	2.00	0.00	1.00	0.00	11.67	6.88	2.00	0.00	1.00	0.00
11.69	6.86	2.00	0.00	1.00	0.00	11.71	6.85	2.00	0.00	1.00	0.00
11.73	6.85	2.00	0.00	1.00	0.00	11.75	6.84	2.00	0.00	1.00	0.00
11.77	6.96	2.00	0.00	1.00	0.00	11.79	7.02	2.00	0.00	1.00	0.00
11.81	7.32	2.00	0.00	1.00	0.00	11.83	7.61	2.00	0.00	1.00	0.00
11.85	8.28	2.00	0.00	1.00	0.00	11.87	7.76	2.00	0.00	1.00	0.00
11.89	7.80	2.00	0.00	1.00	0.00	11.91	7.84	2.00	0.00	1.00	0.00
11.93	8.50	2.00	0.00	1.00	0.00	11.95	9.03	2.00	0.00	1.00	0.00
11.97	8.91	2.00	0.00	1.00	0.00	11.99	8.50	2.00	0.00	1.00	0.00
12.01	8.19	2.00	0.00	1.00	0.00	12.03	8.03	2.00	0.00	1.00	0.00
12.05	7.96	2.00	0.00	1.00	0.00	12.07	7.98	2.00	0.00	1.00	0.00
12.09	8.01	2.00	0.00	1.00	0.00	12.11	8.08	2.00	0.00	1.00	0.00
12.13	8.22	2.00	0.00	1.00	0.00	12.15	8.35	2.00	0.00	1.00	0.00
12.17	8.10	2.00	0.00	1.00	0.00	12.19	7.50	2.00	0.00	1.00	0.00
12.21	7.11	2.00	0.00	1.00	0.00	12.23	6.90	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.25	6.87	2.00	0.00	1.00	0.00	12.27	6.87	2.00	0.00	1.00	0.00
12.29	6.88	2.00	0.00	1.00	0.00	12.31	6.89	2.00	0.00	1.00	0.00
12.33	6.96	2.00	0.00	1.00	0.00	12.35	7.04	2.00	0.00	1.00	0.00
12.37	6.97	2.00	0.00	1.00	0.00	12.39	6.98	2.00	0.00	1.00	0.00
12.41	7.00	2.00	0.00	1.00	0.00	12.43	7.34	2.00	0.00	1.00	0.00
12.45	7.88	2.00	0.00	1.00	0.00	12.47	8.42	2.00	0.00	1.00	0.00
12.49	9.39	2.00	0.00	1.00	0.00	12.51	10.78	2.00	0.00	1.00	0.00
12.53	11.74	2.00	0.00	1.00	0.00	12.55	10.72	2.00	0.00	1.00	0.00
12.57	9.89	2.00	0.00	1.00	0.00	12.59	8.85	2.00	0.00	1.00	0.00
12.61	8.32	2.00	0.00	1.00	0.00	12.63	7.85	2.00	0.00	1.00	0.00
12.65	7.70	2.00	0.00	1.00	0.00	12.67	7.66	2.00	0.00	1.00	0.00
12.69	7.65	2.00	0.00	1.00	0.00	12.71	7.65	2.00	0.00	1.00	0.00
12.73	7.64	2.00	0.00	1.00	0.00	12.75	7.65	2.00	0.00	1.00	0.00
12.77	7.67	2.00	0.00	1.00	0.00	12.79	7.73	2.00	0.00	1.00	0.00
12.81	8.01	2.00	0.00	1.00	0.00	12.83	9.35	2.00	0.00	1.00	0.00
12.85	9.43	2.00	0.00	1.00	0.00	12.87	8.54	2.00	0.00	1.00	0.00
12.89	8.00	2.00	0.00	1.00	0.00	12.91	7.51	2.00	0.00	1.00	0.00
12.93	7.39	2.00	0.00	1.00	0.00	12.95	7.43	2.00	0.00	1.00	0.00
12.97	7.47	2.00	0.00	1.00	0.00	12.99	7.59	2.00	0.00	1.00	0.00
13.01	7.82	2.00	0.00	1.00	0.00	13.03	8.15	2.00	0.00	1.00	0.00
13.05	8.33	2.00	0.00	1.00	0.00	13.07	8.42	2.00	0.00	1.00	0.00
13.09	8.52	2.00	0.00	1.00	0.00	13.11	8.85	2.00	0.00	1.00	0.00
13.13	9.07	2.00	0.00	1.00	0.00	13.15	8.98	2.00	0.00	1.00	0.00
13.17	8.31	2.00	0.00	1.00	0.00	13.19	8.22	2.00	0.00	1.00	0.00
13.21	8.24	2.00	0.00	1.00	0.00	13.23	8.26	2.00	0.00	1.00	0.00
13.25	8.34	2.00	0.00	1.00	0.00	13.27	8.51	2.00	0.00	1.00	0.00
13.29	9.47	2.00	0.00	1.00	0.00	13.31	9.98	2.00	0.00	1.00	0.00
13.33	10.69	2.00	0.00	1.00	0.00	13.35	11.38	2.00	0.00	1.00	0.00
13.37	12.01	2.00	0.00	1.00	0.00	13.39	12.25	2.00	0.00	1.00	0.00
13.41	12.12	2.00	0.00	1.00	0.00	13.43	11.14	2.00	0.00	1.00	0.00
13.45	10.54	2.00	0.00	1.00	0.00	13.47	9.26	2.00	0.00	1.00	0.00
13.49	8.51	2.00	0.00	1.00	0.00	13.51	8.01	2.00	0.00	1.00	0.00
13.53	7.45	2.00	0.00	1.00	0.00	13.55	7.40	2.00	0.00	1.00	0.00
13.57	7.40	2.00	0.00	1.00	0.00	13.59	7.39	2.00	0.00	1.00	0.00
13.61	7.39	2.00	0.00	1.00	0.00	13.63	7.47	2.00	0.00	1.00	0.00
13.65	7.53	2.00	0.00	1.00	0.00	13.67	7.64	2.00	0.00	1.00	0.00
13.69	7.90	2.00	0.00	1.00	0.00	13.71	8.73	2.00	0.00	1.00	0.00
13.73	8.84	2.00	0.00	1.00	0.00	13.75	8.84	2.00	0.00	1.00	0.00
13.77	9.38	2.00	0.00	1.00	0.00	13.79	10.00	2.00	0.00	1.00	0.00
13.81	10.96	2.00	0.00	1.00	0.00	13.83	11.91	2.00	0.00	1.00	0.00
13.85	11.14	2.00	0.00	1.00	0.00	13.87	10.74	2.00	0.00	1.00	0.00
13.89	10.02	2.00	0.00	1.00	0.00	13.91	9.85	2.00	0.00	1.00	0.00
13.93	9.78	2.00	0.00	1.00	0.00	13.95	9.78	2.00	0.00	1.00	0.00
13.97	9.79	2.00	0.00	1.00	0.00	13.99	9.99	2.00	0.00	1.00	0.00
14.01	9.96	2.00	0.00	1.00	0.00	14.03	10.07	2.00	0.00	1.00	0.00
14.05	10.19	2.00	0.00	1.00	0.00	14.07	10.97	2.00	0.00	1.00	0.00
14.09	14.19	2.00	0.00	1.00	0.00	14.11	16.27	2.00	0.00	1.00	0.00
14.13	18.15	2.00	0.00	1.00	0.00	14.15	18.27	2.00	0.00	1.00	0.00
14.17	17.54	2.00	0.00	1.00	0.00	14.19	16.17	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.21	12.84	2.00	0.00	1.00	0.00	14.23	10.42	2.00	0.00	1.00	0.00
14.25	9.86	2.00	0.00	1.00	0.00	14.27	9.30	2.00	0.00	1.00	0.00
14.29	9.43	2.00	0.00	1.00	0.00	14.31	9.22	2.00	0.00	1.00	0.00
14.33	9.17	2.00	0.00	1.00	0.00	14.35	9.08	2.00	0.00	1.00	0.00
14.37	9.01	2.00	0.00	1.00	0.00	14.39	8.52	2.00	0.00	1.00	0.00
14.41	8.52	2.00	0.00	1.00	0.00	14.43	8.52	2.00	0.00	1.00	0.00
14.45	8.53	2.00	0.00	1.00	0.00	14.47	8.69	2.00	0.00	1.00	0.00
14.49	9.44	2.00	0.00	1.00	0.00	14.51	11.29	2.00	0.00	1.00	0.00
14.53	13.39	2.00	0.00	1.00	0.00	14.55	13.68	2.00	0.00	1.00	0.00
14.57	13.38	2.00	0.00	1.00	0.00	14.59	12.67	2.00	0.00	1.00	0.00
14.61	12.09	2.00	0.00	1.00	0.00	14.63	10.70	2.00	0.00	1.00	0.00
14.65	10.33	2.00	0.00	1.00	0.00	14.67	10.24	2.00	0.00	1.00	0.00
14.69	10.24	2.00	0.00	1.00	0.00	14.71	10.25	2.00	0.00	1.00	0.00
14.73	10.29	2.00	0.00	1.00	0.00	14.75	10.25	2.00	0.00	1.00	0.00
14.77	10.43	2.00	0.00	1.00	0.00	14.79	10.61	2.00	0.00	1.00	0.00
14.81	12.57	2.00	0.00	1.00	0.00	14.83	10.88	2.00	0.00	1.00	0.00
14.85	9.21	2.00	0.00	1.00	0.00	14.87	8.67	2.00	0.00	1.00	0.00
14.89	8.53	2.00	0.00	1.00	0.00	14.91	8.46	2.00	0.00	1.00	0.00
14.93	8.43	2.00	0.00	1.00	0.00	14.95	8.65	2.00	0.00	1.00	0.00
14.97	8.88	2.00	0.00	1.00	0.00	14.98	9.18	2.00	0.00	1.00	0.00
15.00	9.11	2.00	0.00	1.00	0.00	15.02	9.15	2.00	0.00	1.00	0.00
15.04	9.67	2.00	0.00	1.00	0.00	15.06	10.66	2.00	0.00	1.00	0.00
15.08	12.03	2.00	0.00	1.00	0.00	15.10	14.28	2.00	0.00	1.00	0.00
15.12	16.52	2.00	0.00	1.00	0.00	15.14	18.53	2.00	0.00	1.00	0.00
15.16	20.19	2.00	0.00	1.00	0.00	15.18	20.86	2.00	0.00	1.00	0.00
15.20	21.76	2.00	0.00	1.00	0.00	15.22	22.74	2.00	0.00	1.00	0.00
15.24	23.55	2.00	0.00	1.00	0.00	15.26	24.25	2.00	0.00	1.00	0.00
15.28	24.48	2.00	0.00	1.00	0.00	15.30	24.03	2.00	0.00	1.00	0.00
15.32	23.81	2.00	0.00	1.00	0.00	15.34	23.80	2.00	0.00	1.00	0.00
15.36	23.79	2.00	0.00	1.00	0.00	15.38	23.84	2.00	0.00	1.00	0.00
15.40	24.63	2.00	0.00	1.00	0.00	15.42	25.84	2.00	0.00	1.00	0.00
15.44	26.89	2.00	0.00	1.00	0.00	15.46	27.63	2.00	0.00	1.00	0.00
15.48	27.56	2.00	0.00	1.00	0.00	15.50	27.65	2.00	0.00	1.00	0.00
15.52	27.73	2.00	0.00	1.00	0.00	15.54	28.46	2.00	0.00	1.00	0.00
15.56	28.00	2.00	0.00	1.00	0.00	15.58	27.38	2.00	0.00	1.00	0.00
15.60	27.17	2.00	0.00	1.00	0.00	15.62	25.03	2.00	0.00	1.00	0.00
15.64	23.00	2.00	0.00	1.00	0.00	15.66	22.60	2.00	0.00	1.00	0.00
15.68	22.50	2.00	0.00	1.00	0.00	15.70	22.92	2.00	0.00	1.00	0.00
15.72	23.33	2.00	0.00	1.00	0.00	15.74	25.46	2.00	0.00	1.00	0.00
15.76	25.58	2.00	0.00	1.00	0.00	15.78	24.77	2.00	0.00	1.00	0.00
15.80	24.66	2.00	0.00	1.00	0.00	15.82	24.21	2.00	0.00	1.00	0.00
15.84	23.89	2.00	0.00	1.00	0.00	15.86	23.93	2.00	0.00	1.00	0.00
15.88	23.96	2.00	0.00	1.00	0.00	15.90	24.12	2.00	0.00	1.00	0.00
15.92	24.48	2.00	0.00	1.00	0.00	15.94	25.98	2.00	0.00	1.00	0.00
15.96	28.72	2.00	0.00	1.00	0.00	15.98	90.04	1.20	0.50	1.00	0.01
16.00	90.77	1.21	0.49	1.00	0.01	16.02	90.81	1.21	0.49	1.00	0.01
16.04	90.47	1.21	0.49	1.00	0.01	16.06	91.06	1.22	0.48	1.00	0.01
16.08	91.16	1.22	0.47	1.00	0.01	16.10	91.24	1.22	0.47	1.00	0.01
16.12	91.54	1.23	0.47	1.00	0.01	16.14	92.36	1.24	0.45	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.16	93.14	1.25	0.44	1.00	0.01	16.18	93.29	1.25	0.43	1.00	0.01
16.20	92.68	1.24	0.44	1.00	0.01	16.22	91.33	1.23	0.46	1.00	0.01
16.24	90.64	1.22	0.47	1.00	0.01	16.26	89.58	1.20	0.49	1.00	0.01
16.28	88.57	1.19	0.51	1.00	0.01	16.30	26.69	2.00	0.00	1.00	0.00
16.32	24.24	2.00	0.00	1.00	0.00	16.34	23.03	2.00	0.00	1.00	0.00
16.36	22.48	2.00	0.00	1.00	0.00	16.38	22.38	2.00	0.00	1.00	0.00
16.40	22.88	2.00	0.00	1.00	0.00	16.42	23.39	2.00	0.00	1.00	0.00
16.44	24.90	2.00	0.00	1.00	0.00	16.46	25.45	2.00	0.00	1.00	0.00
16.48	25.41	2.00	0.00	1.00	0.00	16.50	26.10	2.00	0.00	1.00	0.00
16.52	27.62	2.00	0.00	1.00	0.00	16.54	29.06	2.00	0.00	1.00	0.00
16.56	91.49	1.24	0.44	1.00	0.01	16.58	93.06	1.26	0.41	1.00	0.01
16.60	94.10	1.28	0.40	1.00	0.01	16.62	94.18	1.28	0.39	1.00	0.01
16.64	93.49	1.27	0.40	1.00	0.01	16.66	93.02	1.27	0.41	1.00	0.01
16.68	93.17	1.27	0.40	1.00	0.01	16.70	92.99	1.27	0.41	1.00	0.01
16.72	94.08	1.28	0.39	1.00	0.01	16.74	94.53	1.29	0.38	1.00	0.01
16.76	91.21	1.24	0.43	1.00	0.01	16.78	89.39	1.22	0.46	1.00	0.01
16.80	88.30	1.21	0.48	1.00	0.01	16.82	87.29	1.19	0.49	1.00	0.01
16.84	85.95	1.18	0.52	1.00	0.01	16.86	85.29	1.17	0.53	1.00	0.01
16.88	84.99	1.17	0.53	1.00	0.01	16.90	84.97	1.17	0.53	1.00	0.01
16.92	85.22	1.17	0.53	1.00	0.01	16.94	85.76	1.18	0.51	1.00	0.01
16.96	90.37	1.24	0.43	1.00	0.01	16.98	94.57	1.30	0.37	1.00	0.01
17.00	98.60	1.36	0.32	1.00	0.01	17.02	103.89	1.46	0.25	1.00	0.00
17.04	110.10	1.59	0.17	1.00	0.00	17.06	110.96	1.61	0.16	1.00	0.00
17.08	111.35	1.62	0.16	1.00	0.00	17.10	109.87	1.59	0.17	1.00	0.00
17.12	108.37	1.56	0.19	1.00	0.00	17.14	108.10	1.55	0.19	1.00	0.00
17.16	107.89	1.55	0.20	1.00	0.00	17.18	107.81	1.55	0.20	1.00	0.00
17.19	107.62	1.55	0.20	1.00	0.00	17.21	107.07	1.53	0.20	1.00	0.00
17.23	109.51	1.59	0.17	1.00	0.00	17.25	107.80	1.55	0.19	1.00	0.00
17.27	110.01	1.60	0.17	1.00	0.00	17.29	111.68	1.64	0.15	1.00	0.00
17.31	110.17	1.61	0.16	1.00	0.00	17.33	105.42	1.51	0.22	1.00	0.00
17.35	103.31	1.46	0.24	1.00	0.00	17.37	98.38	1.38	0.30	1.00	0.01
17.39	97.24	1.36	0.32	1.00	0.01	17.41	94.28	1.31	0.35	1.00	0.01
17.43	93.97	1.31	0.36	1.00	0.01	17.45	94.46	1.32	0.35	1.00	0.01
17.47	94.79	1.32	0.34	1.00	0.01	17.49	95.46	1.33	0.33	1.00	0.01
17.51	98.63	1.39	0.29	1.00	0.01	17.53	100.79	1.43	0.27	1.00	0.01
17.55	99.60	1.41	0.28	1.00	0.01	17.57	101.06	1.43	0.26	1.00	0.01
17.59	103.39	1.48	0.23	1.00	0.00	17.61	104.02	1.49	0.23	1.00	0.00
17.63	104.83	1.51	0.22	1.00	0.00	17.65	102.62	1.46	0.24	1.00	0.00
17.67	102.69	1.47	0.24	1.00	0.00	17.69	102.66	1.47	0.24	1.00	0.00
17.71	106.89	1.55	0.19	1.00	0.00	17.73	94.48	1.33	0.33	1.00	0.01
17.75	94.82	1.33	0.33	1.00	0.01	17.77	94.80	1.33	0.33	1.00	0.01
17.79	94.75	1.33	0.33	1.00	0.01	17.81	96.90	1.37	0.30	1.00	0.01
17.83	93.85	1.32	0.34	1.00	0.01	17.85	91.97	1.30	0.36	1.00	0.01
17.87	95.87	1.36	0.31	1.00	0.01	17.89	92.38	1.30	0.35	1.00	0.01
17.91	92.02	1.30	0.36	1.00	0.01	17.93	91.73	1.29	0.36	1.00	0.01
17.95	91.60	1.29	0.36	1.00	0.01	17.97	92.65	1.31	0.35	1.00	0.01
17.99	93.52	1.32	0.33	1.00	0.01	18.01	99.55	1.42	0.26	1.00	0.01
18.03	104.77	1.52	0.21	1.00	0.00	18.05	107.97	1.59	0.17	1.00	0.00
18.07	108.34	1.60	0.16	1.00	0.00	18.09	104.53	1.52	0.21	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.11	93.76	1.33	0.33	1.00	0.01	18.13	92.72	1.32	0.34	1.00	0.01
18.15	89.73	1.27	0.37	1.00	0.01	18.17	85.49	1.22	0.43	1.00	0.01
18.19	78.65	1.14	0.56	1.00	0.01	18.21	74.83	1.10	0.68	1.00	0.01
18.23	73.50	1.08	0.75	1.00	0.01	18.25	71.51	1.06	0.87	1.00	0.02
18.27	67.54	1.03	1.35	1.00	0.03	18.29	71.02	1.06	0.90	1.00	0.02
18.31	76.06	1.11	0.62	1.00	0.01	18.33	80.45	1.16	0.50	1.00	0.01
18.35	84.08	1.21	0.44	1.00	0.01	18.37	86.22	1.23	0.41	1.00	0.01
18.39	86.51	1.24	0.40	1.00	0.01	18.41	84.22	1.21	0.43	1.00	0.01
18.43	78.20	1.14	0.54	1.00	0.01	18.45	70.35	1.06	0.92	1.00	0.02
18.47	66.62	1.02	1.42	1.00	0.03	18.49	64.16	1.00	2.04	1.00	0.04
18.51	65.69	1.02	1.59	1.00	0.03	18.53	68.30	1.04	1.12	1.00	0.02
18.55	71.49	1.07	0.81	1.00	0.02	18.57	68.80	1.05	1.05	1.00	0.02
18.59	67.09	1.03	1.28	1.00	0.03	18.61	61.35	0.98	3.37	1.00	0.07
18.63	59.98	0.97	4.89	1.00	0.10	18.65	60.89	0.98	3.69	1.00	0.07
18.67	62.09	0.99	2.75	1.00	0.05	18.69	60.66	0.98	3.81	1.00	0.08
18.71	60.51	0.98	3.91	1.00	0.08	18.73	60.56	0.98	3.81	1.00	0.08
18.75	60.80	0.98	3.54	1.00	0.07	18.77	60.99	0.98	3.33	1.00	0.07
18.79	61.97	0.99	2.65	1.00	0.05	18.81	62.89	1.00	2.21	1.00	0.04
18.83	60.19	0.98	3.92	1.00	0.08	18.85	60.69	0.98	3.40	1.00	0.07
18.86	61.91	0.99	2.58	1.00	0.05	18.88	61.87	0.99	2.57	1.00	0.05
18.90	61.83	0.99	2.56	1.00	0.05	18.92	64.43	1.02	1.64	1.00	0.03
18.94	69.40	1.06	0.89	1.00	0.02	18.96	72.58	1.10	0.68	1.00	0.01
18.98	81.38	1.19	0.44	1.00	0.01	19.00	84.82	1.24	0.39	1.00	0.01
19.02	87.95	1.28	0.35	1.00	0.01	19.04	90.90	1.32	0.32	1.00	0.01
19.06	87.64	1.28	0.35	1.00	0.01	19.08	94.23	1.37	0.28	1.00	0.01
19.10	96.96	1.42	0.26	1.00	0.01	19.12	88.94	1.30	0.34	1.00	0.01
19.14	87.58	1.28	0.35	1.00	0.01	19.16	88.84	1.30	0.34	1.00	0.01
19.18	93.59	1.37	0.29	1.00	0.01	19.20	94.05	1.37	0.28	1.00	0.01
19.22	84.49	1.24	0.38	1.00	0.01	19.24	79.19	1.18	0.46	1.00	0.01
19.26	77.64	1.16	0.48	1.00	0.01	19.28	77.13	1.15	0.49	1.00	0.01
19.30	81.67	1.21	0.41	1.00	0.01	19.32	83.46	1.23	0.39	1.00	0.01
19.34	85.69	1.26	0.36	1.00	0.01	19.36	88.45	1.30	0.33	1.00	0.01
19.38	95.04	1.40	0.27	1.00	0.01	19.40	103.72	1.56	0.18	1.00	0.00
19.42	109.74	1.69	0.12	1.00	0.00	19.44	114.31	1.81	0.07	1.00	0.00
19.46	114.14	1.81	0.07	1.00	0.00	19.48	107.31	1.64	0.14	1.00	0.00
19.50	99.98	1.49	0.21	1.00	0.00	19.52	92.78	1.37	0.28	1.00	0.01
19.54	87.00	1.28	0.34	1.00	0.01	19.56	85.59	1.27	0.35	1.00	0.01
19.58	84.91	1.26	0.36	1.00	0.01	19.60	84.67	1.25	0.36	1.00	0.01
19.62	84.43	1.25	0.36	1.00	0.01	19.64	85.13	1.26	0.35	1.00	0.01
19.66	83.28	1.24	0.37	1.00	0.01	19.68	80.39	1.20	0.41	1.00	0.01
19.70	73.75	1.13	0.54	1.00	0.01	19.72	64.96	1.04	1.16	1.00	0.02
19.74	81.33	1.22	0.39	1.00	0.01	19.76	93.95	1.39	0.26	1.00	0.01
19.78	90.11	1.34	0.30	1.00	0.01	19.80	95.89	1.43	0.24	1.00	0.00
19.82	99.77	1.50	0.21	1.00	0.00	19.84	103.43	1.57	0.17	1.00	0.00
19.86	108.15	1.67	0.12	1.00	0.00	19.88	109.00	1.70	0.11	1.00	0.00
19.90	103.28	1.57	0.17	1.00	0.00	19.92	94.47	1.41	0.25	1.00	0.01
19.94	85.84	1.28	0.33	1.00	0.01	19.96	76.67	1.17	0.45	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)

Total estimated settlement: 2.47

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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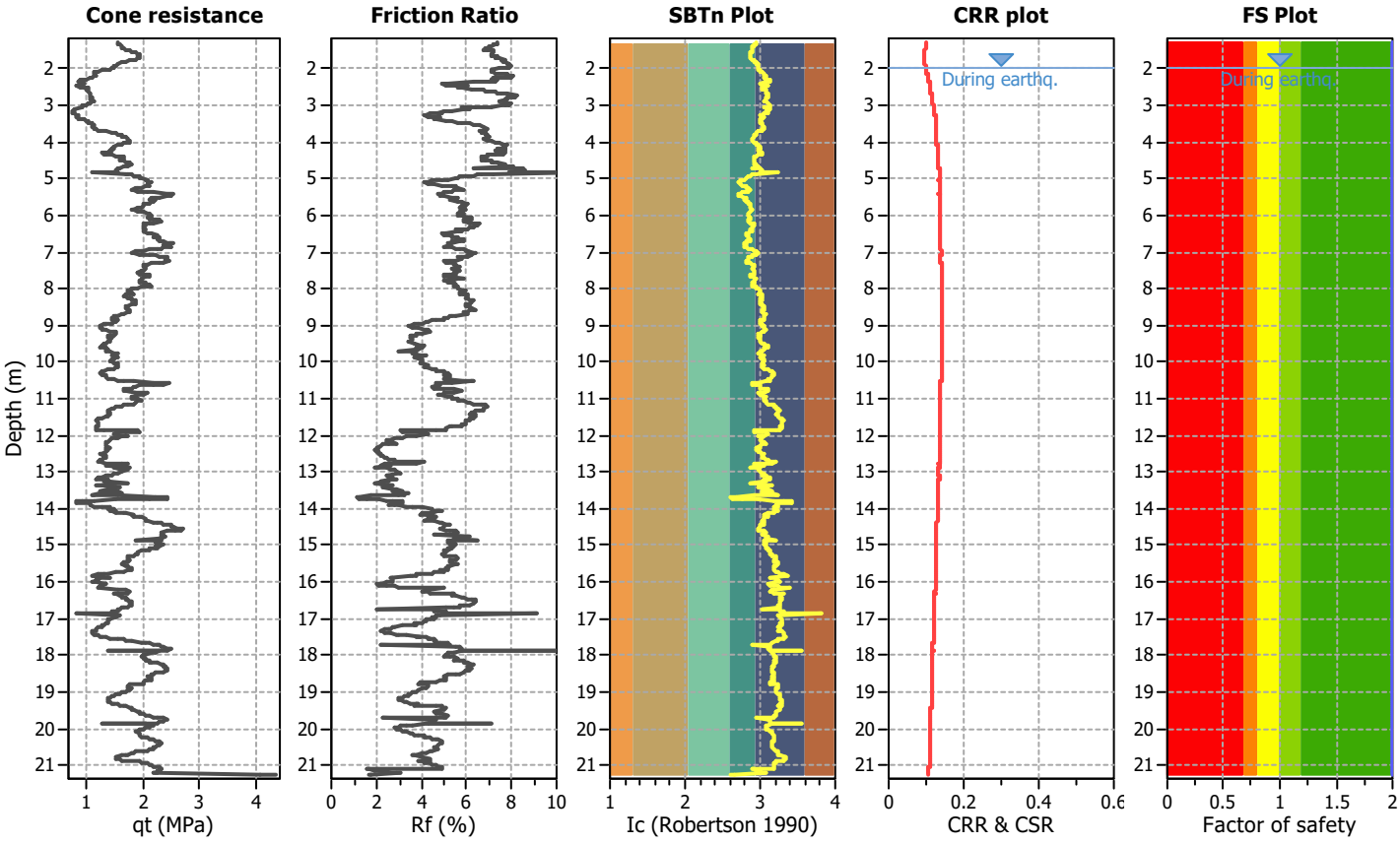
LIQUEFACTION ANALYSIS REPORT

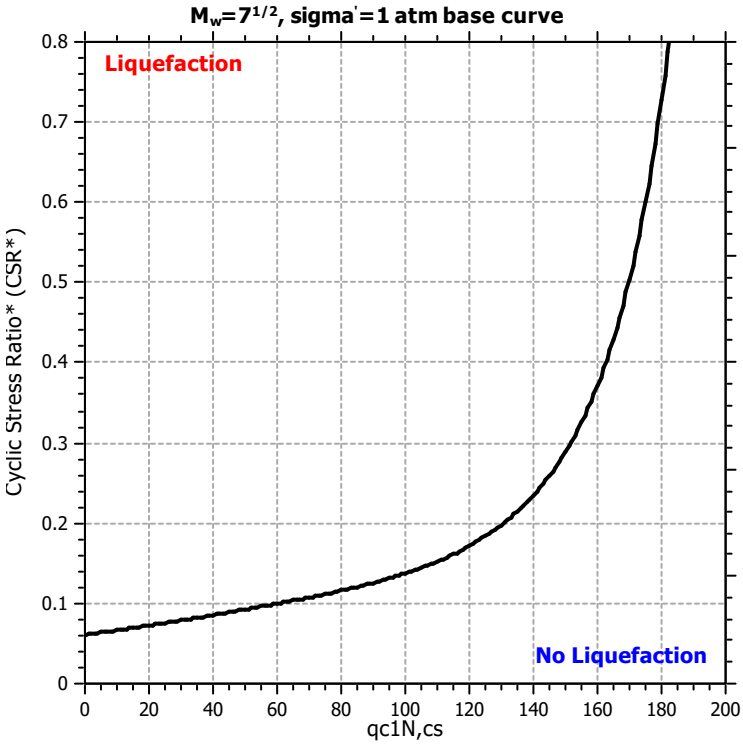
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

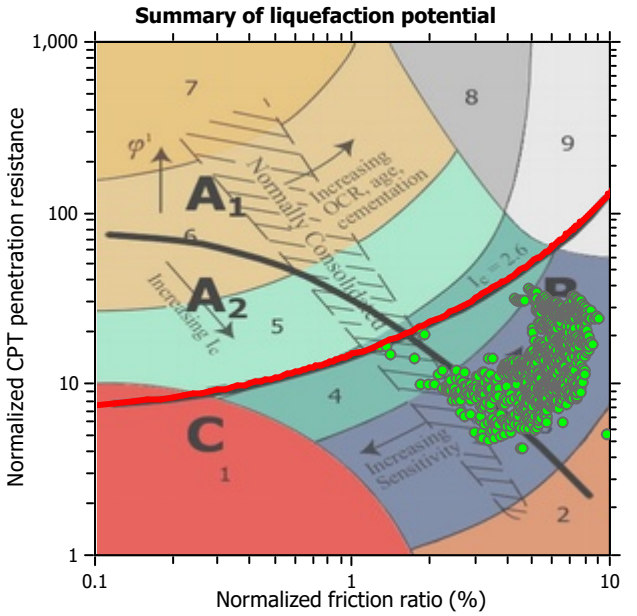
CPT file : P302 - Scptu-8

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

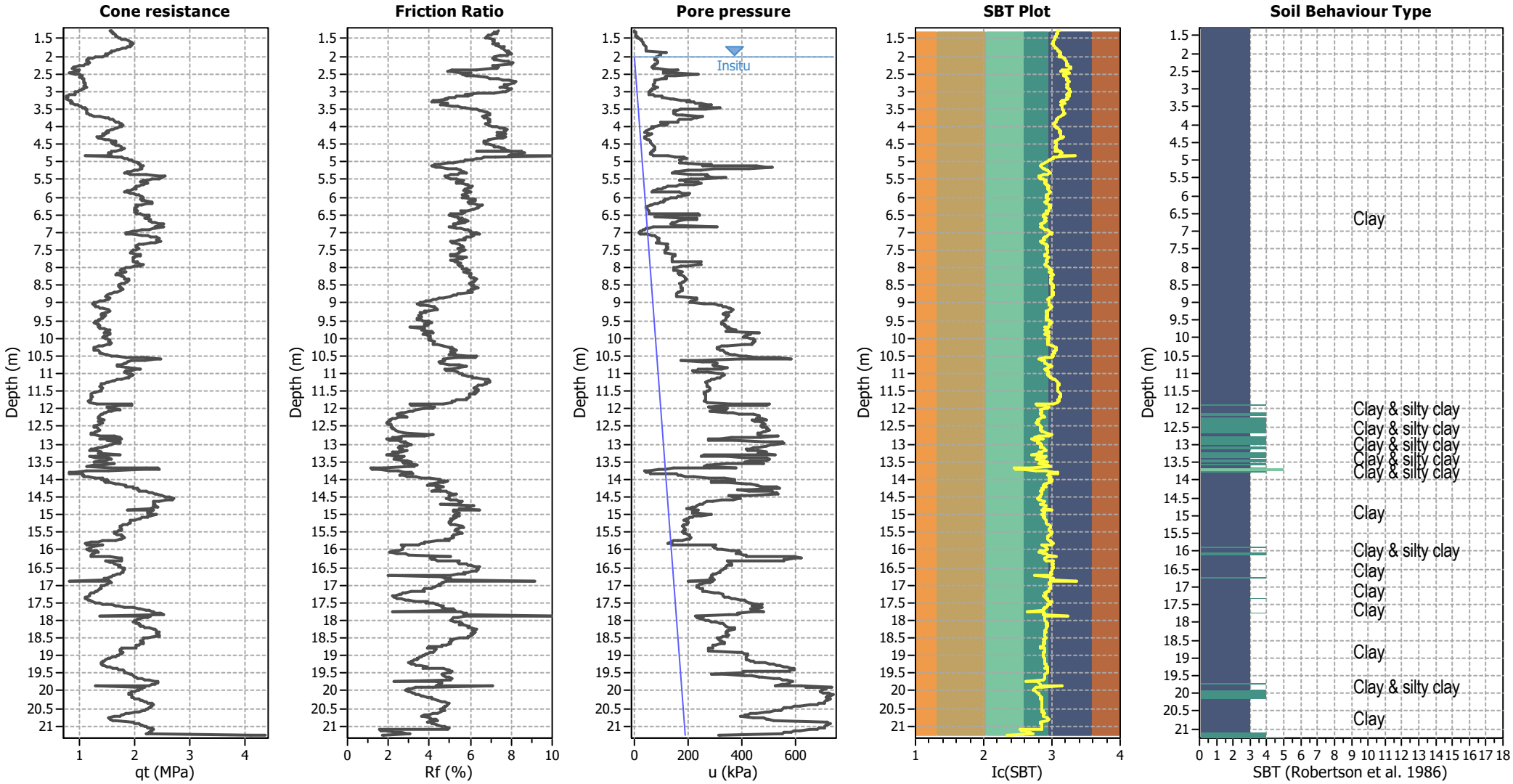






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



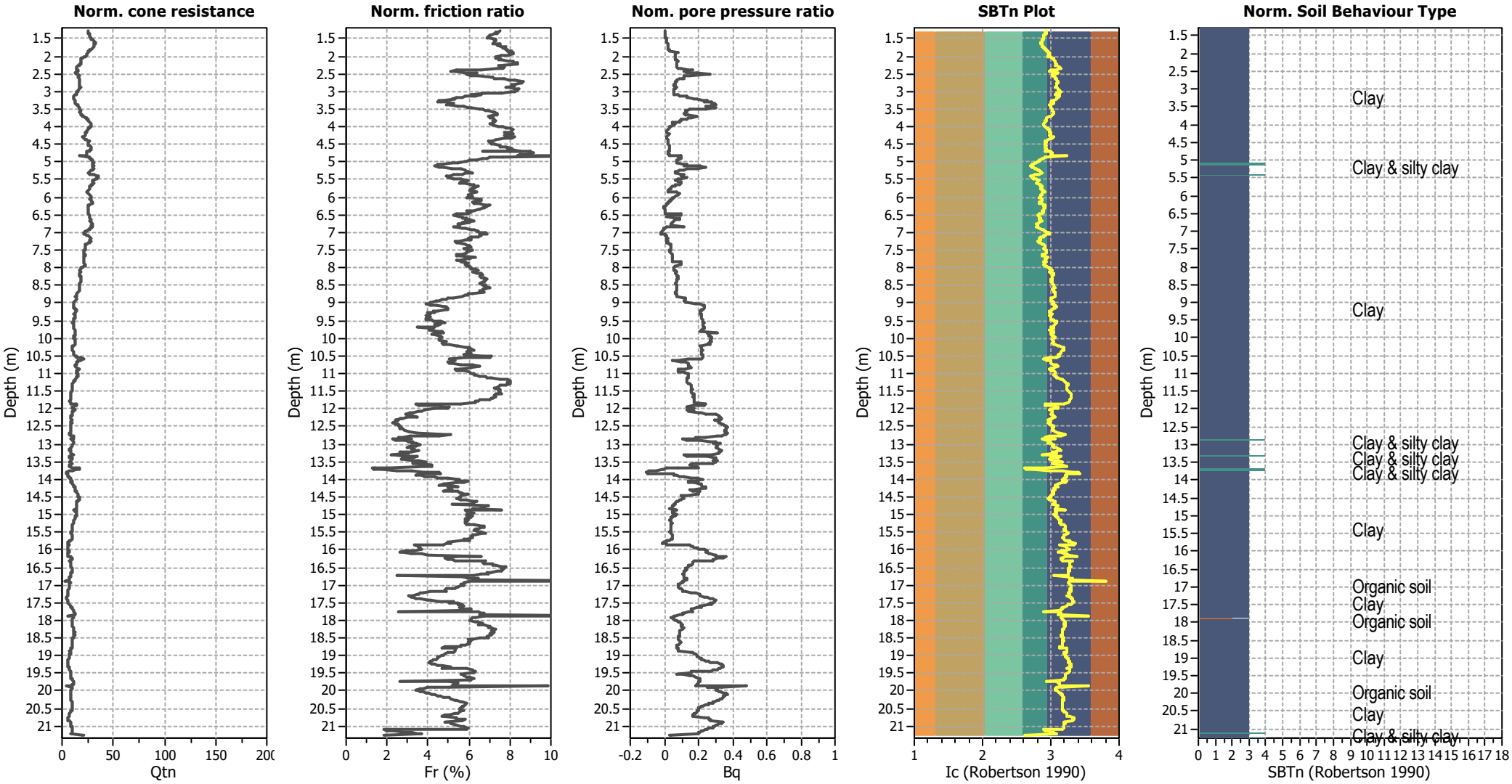
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



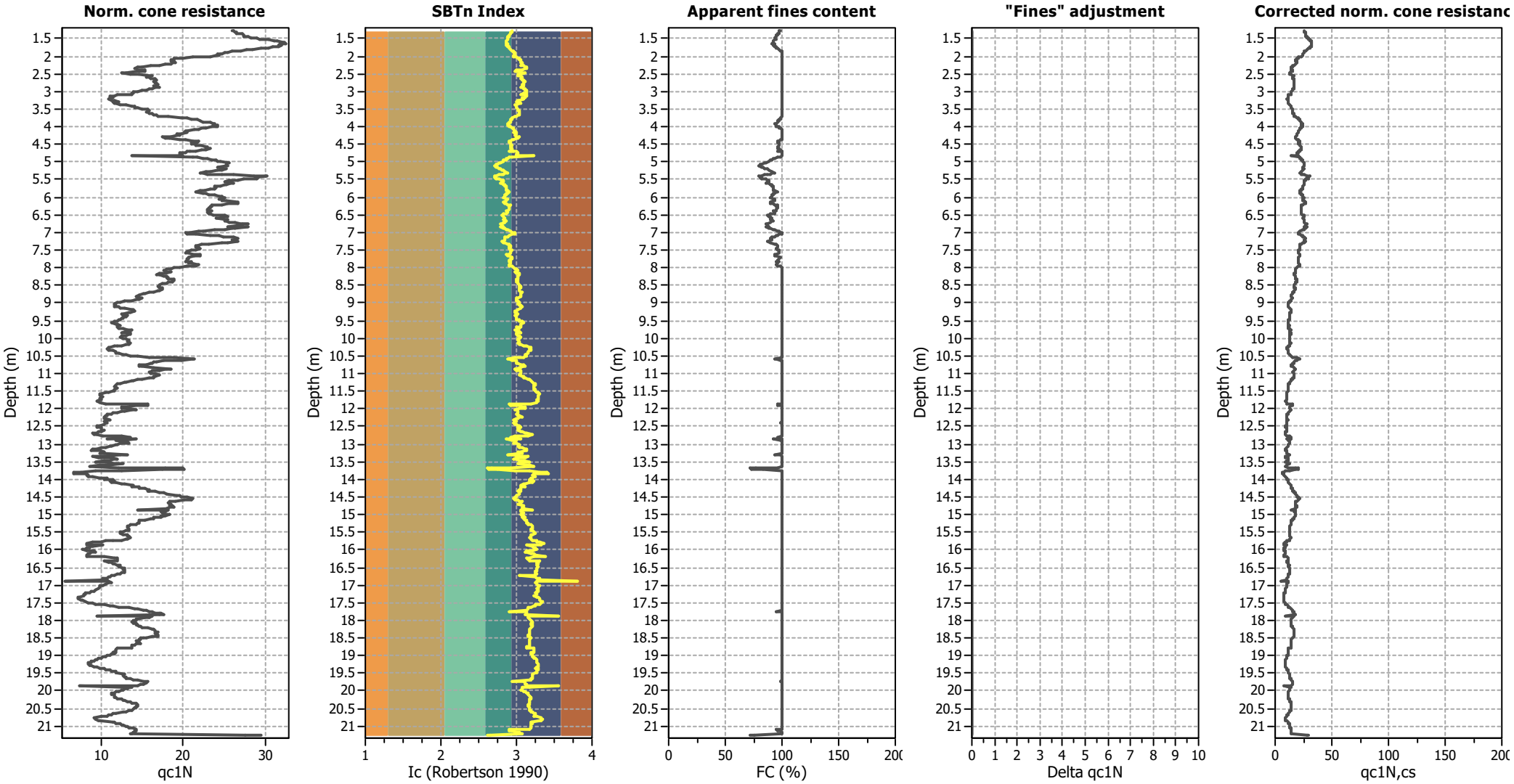
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

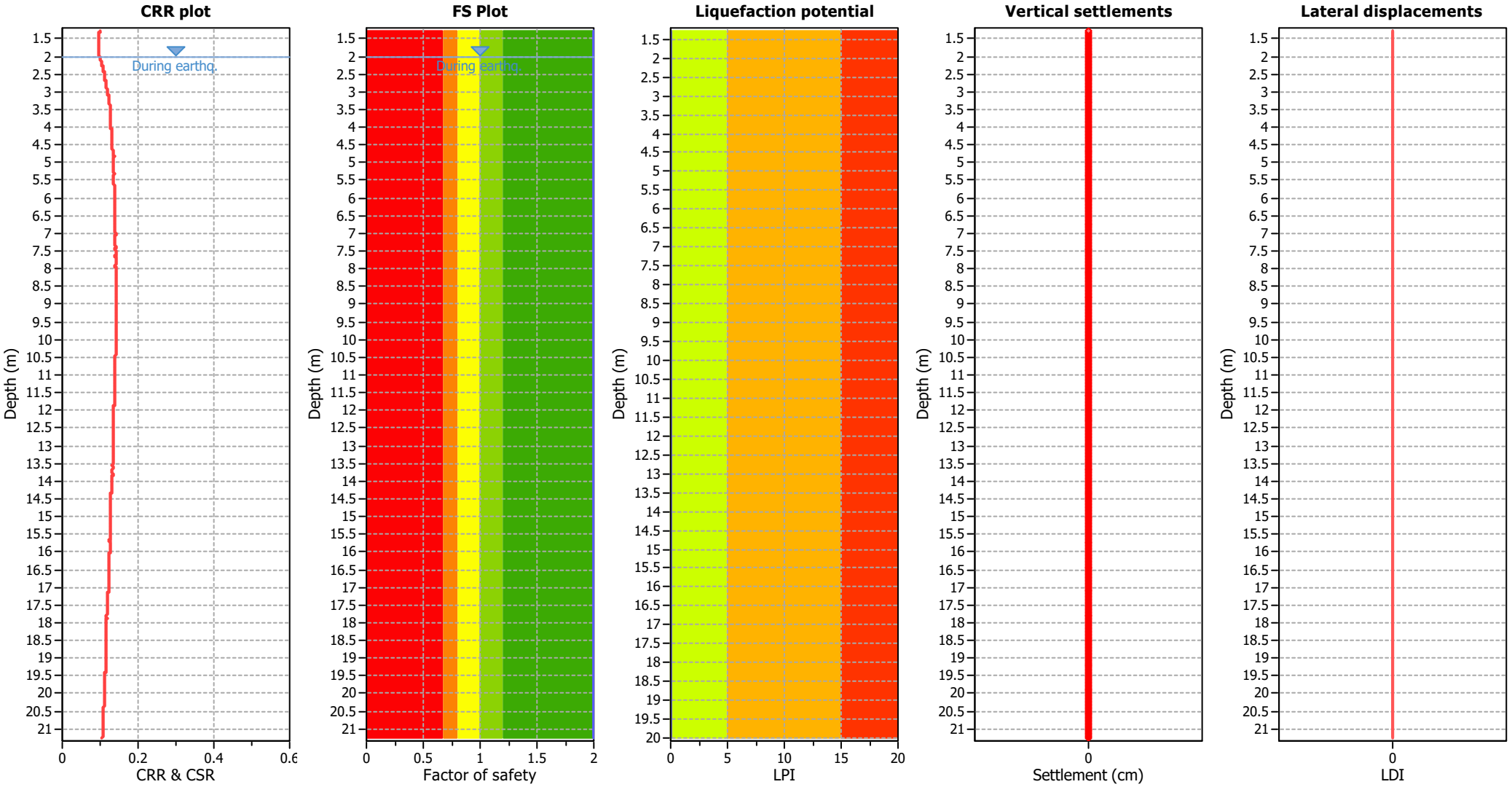
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

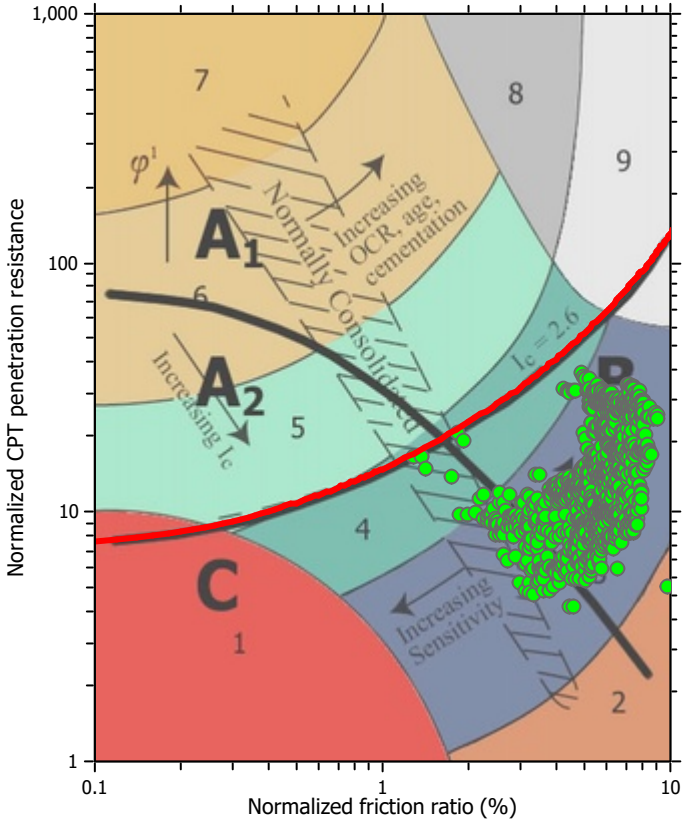
F.S. color scheme

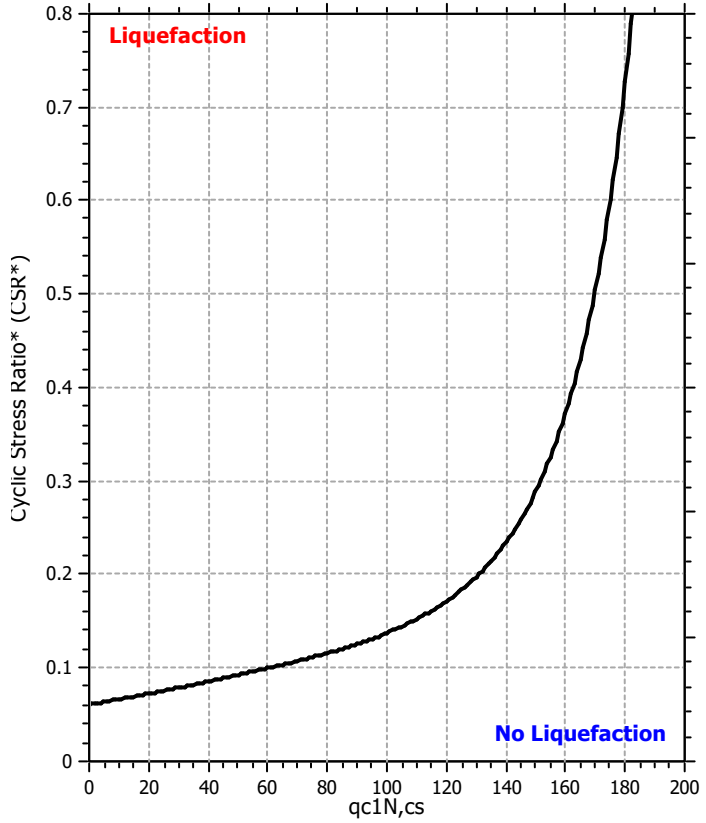
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

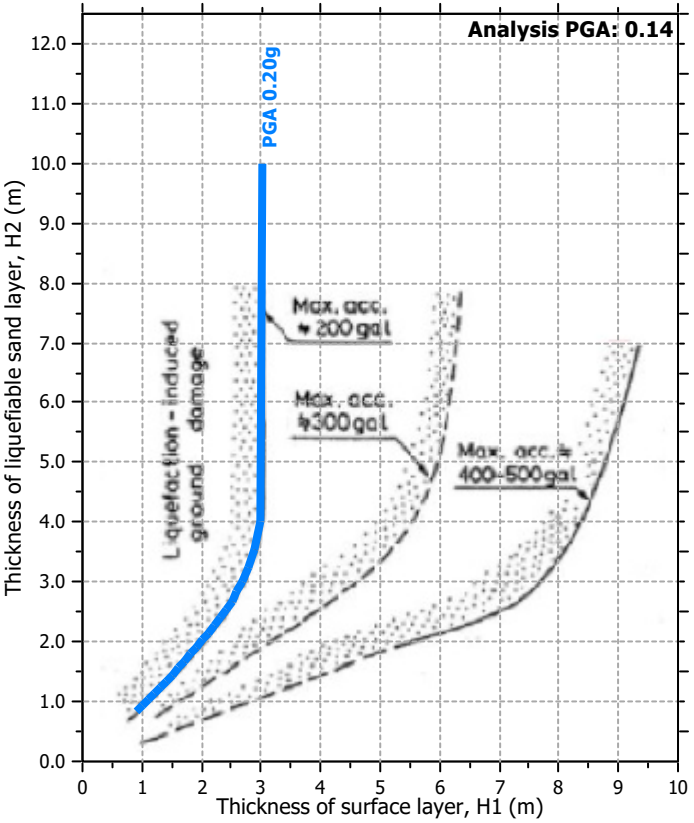
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



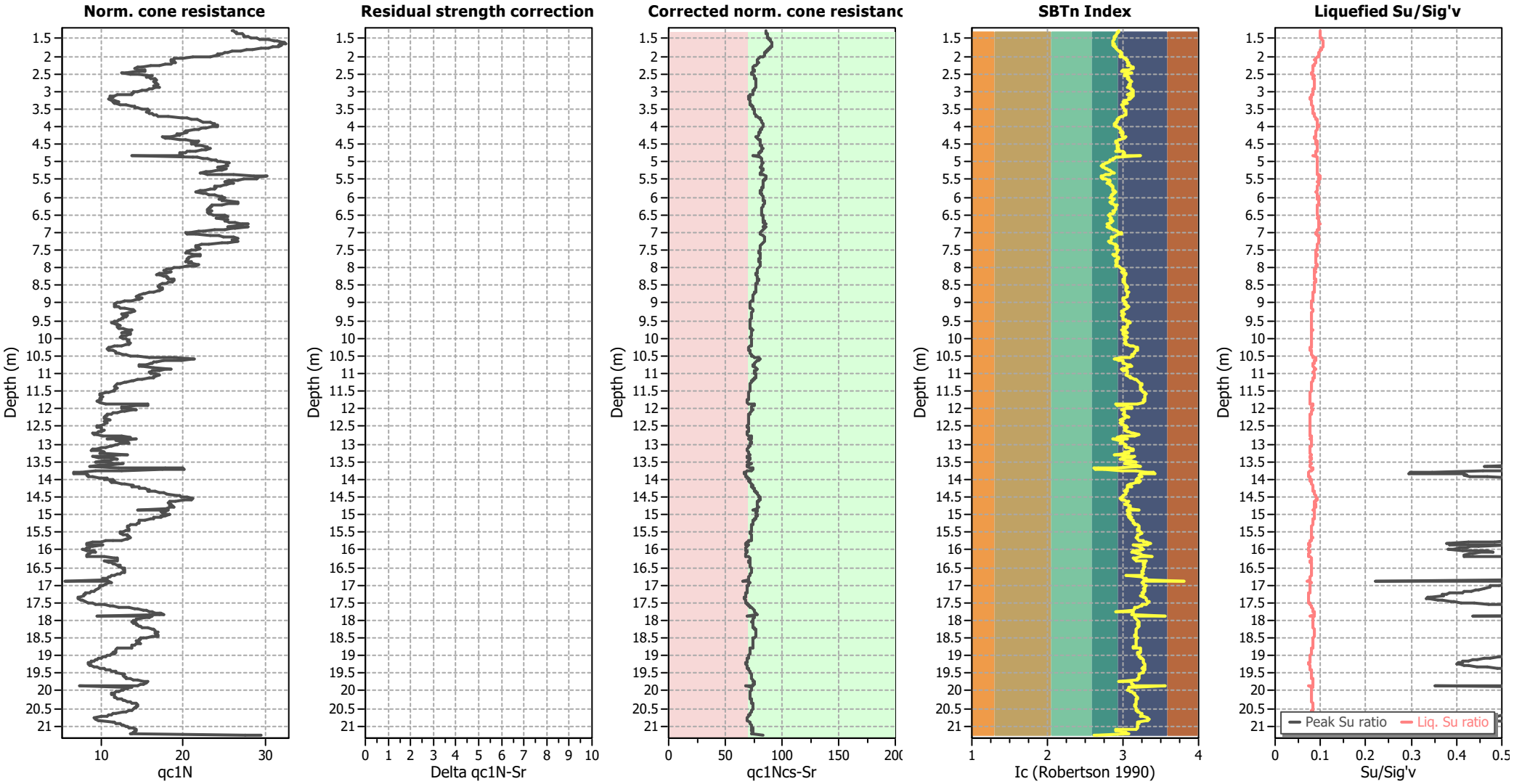




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.82	2.00	0.00	0.00	0.02	0.00
1.84	2.00	0.00	0.00	0.02	0.00	1.86	2.00	0.00	0.00	0.02	0.00
1.88	2.00	0.00	0.00	0.02	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.58	2.00	0.00	0.00	0.02	0.00
3.60	2.00	0.00	0.00	0.02	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.18	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.20	2.00	0.00	0.00	0.02	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	2.00	0.00	0.00	0.02	0.00	8.38	2.00	0.00	0.00	0.02	0.00
8.40	2.00	0.00	0.00	0.02	0.00	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.10	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.12	2.00	0.00	0.00	0.02	0.00	9.14	2.00	0.00	0.00	0.02	0.00
9.16	2.00	0.00	0.00	0.02	0.00	9.18	2.00	0.00	0.00	0.02	0.00
9.20	2.00	0.00	0.00	0.02	0.00	9.22	2.00	0.00	0.00	0.02	0.00
9.24	2.00	0.00	0.00	0.02	0.00	9.26	2.00	0.00	0.00	0.02	0.00
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	2.00	0.00	0.00	0.02	0.00	9.38	2.00	0.00	0.00	0.02	0.00
9.40	2.00	0.00	0.00	0.02	0.00	9.42	2.00	0.00	0.00	0.02	0.00
9.44	2.00	0.00	0.00	0.02	0.00	9.46	2.00	0.00	0.00	0.02	0.00
9.48	2.00	0.00	0.00	0.02	0.00	9.50	2.00	0.00	0.00	0.02	0.00
9.52	2.00	0.00	0.00	0.02	0.00	9.54	2.00	0.00	0.00	0.02	0.00
9.56	2.00	0.00	0.00	0.02	0.00	9.58	2.00	0.00	0.00	0.02	0.00
9.60	2.00	0.00	0.00	0.02	0.00	9.62	2.00	0.00	0.00	0.02	0.00
9.64	2.00	0.00	0.00	0.02	0.00	9.66	2.00	0.00	0.00	0.02	0.00
9.68	2.00	0.00	0.00	0.02	0.00	9.70	2.00	0.00	0.00	0.02	0.00
9.72	2.00	0.00	0.00	0.02	0.00	9.74	2.00	0.00	0.00	0.02	0.00
9.76	2.00	0.00	0.00	0.02	0.00	9.78	2.00	0.00	0.00	0.02	0.00
9.80	2.00	0.00	0.00	0.02	0.00	9.82	2.00	0.00	0.00	0.02	0.00
9.84	2.00	0.00	0.00	0.02	0.00	9.86	2.00	0.00	0.00	0.02	0.00
9.88	2.00	0.00	0.00	0.02	0.00	9.90	2.00	0.00	0.00	0.02	0.00
9.92	2.00	0.00	0.00	0.02	0.00	9.94	2.00	0.00	0.00	0.02	0.00
9.96	2.00	0.00	0.00	0.02	0.00	9.98	2.00	0.00	0.00	0.02	0.00
10.00	2.00	0.00	0.00	0.02	0.00	10.02	2.00	0.00	0.00	0.02	0.00
10.04	2.00	0.00	0.00	0.02	0.00	10.06	2.00	0.00	0.00	0.02	0.00
10.08	2.00	0.00	0.00	0.02	0.00	10.10	2.00	0.00	0.00	0.02	0.00
10.12	2.00	0.00	0.00	0.02	0.00	10.14	2.00	0.00	0.00	0.02	0.00
10.16	2.00	0.00	0.00	0.02	0.00	10.18	2.00	0.00	0.00	0.02	0.00
10.20	2.00	0.00	0.00	0.02	0.00	10.22	2.00	0.00	0.00	0.02	0.00
10.24	2.00	0.00	0.00	0.02	0.00	10.26	2.00	0.00	0.00	0.02	0.00
10.28	2.00	0.00	0.00	0.02	0.00	10.30	2.00	0.00	0.00	0.02	0.00
10.32	2.00	0.00	0.00	0.02	0.00	10.34	2.00	0.00	0.00	0.02	0.00
10.36	2.00	0.00	0.00	0.02	0.00	10.38	2.00	0.00	0.00	0.02	0.00
10.40	2.00	0.00	0.00	0.02	0.00	10.42	2.00	0.00	0.00	0.02	0.00
10.44	2.00	0.00	0.00	0.02	0.00	10.46	2.00	0.00	0.00	0.02	0.00
10.48	2.00	0.00	0.00	0.02	0.00	10.50	2.00	0.00	0.00	0.02	0.00
10.52	2.00	0.00	0.00	0.02	0.00	10.54	2.00	0.00	0.00	0.02	0.00
10.56	2.00	0.00	0.00	0.02	0.00	10.58	2.00	0.00	0.00	0.02	0.00
10.60	2.00	0.00	0.00	0.02	0.00	10.62	2.00	0.00	0.00	0.02	0.00
10.64	2.00	0.00	0.00	0.02	0.00	10.66	2.00	0.00	0.00	0.02	0.00
10.68	2.00	0.00	0.00	0.02	0.00	10.70	2.00	0.00	0.00	0.02	0.00
10.72	2.00	0.00	0.00	0.02	0.00	10.74	2.00	0.00	0.00	0.02	0.00
10.76	2.00	0.00	0.00	0.02	0.00	10.78	2.00	0.00	0.00	0.02	0.00
10.80	2.00	0.00	0.00	0.02	0.00	10.82	2.00	0.00	0.00	0.02	0.00
10.84	2.00	0.00	0.00	0.02	0.00	10.86	2.00	0.00	0.00	0.02	0.00
10.88	2.00	0.00	0.00	0.02	0.00	10.90	2.00	0.00	0.00	0.02	0.00
10.92	2.00	0.00	0.00	0.02	0.00	10.94	2.00	0.00	0.00	0.02	0.00
10.96	2.00	0.00	0.00	0.02	0.00	10.98	2.00	0.00	0.00	0.02	0.00
11.00	2.00	0.00	0.00	0.02	0.00	11.02	2.00	0.00	0.00	0.02	0.00
11.04	2.00	0.00	0.00	0.02	0.00	11.06	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.08	2.00	0.00	0.00	0.02	0.00	11.10	2.00	0.00	0.00	0.02	0.00
11.12	2.00	0.00	0.00	0.02	0.00	11.14	2.00	0.00	0.00	0.02	0.00
11.16	2.00	0.00	0.00	0.02	0.00	11.18	2.00	0.00	0.00	0.02	0.00
11.20	2.00	0.00	0.00	0.02	0.00	11.22	2.00	0.00	0.00	0.02	0.00
11.24	2.00	0.00	0.00	0.02	0.00	11.26	2.00	0.00	0.00	0.02	0.00
11.28	2.00	0.00	0.00	0.02	0.00	11.30	2.00	0.00	0.00	0.02	0.00
11.32	2.00	0.00	0.00	0.02	0.00	11.34	2.00	0.00	0.00	0.02	0.00
11.36	2.00	0.00	0.00	0.02	0.00	11.38	2.00	0.00	0.00	0.02	0.00
11.40	2.00	0.00	0.00	0.02	0.00	11.42	2.00	0.00	0.00	0.02	0.00
11.44	2.00	0.00	0.00	0.02	0.00	11.46	2.00	0.00	0.00	0.02	0.00
11.48	2.00	0.00	0.00	0.02	0.00	11.50	2.00	0.00	0.00	0.02	0.00
11.52	2.00	0.00	0.00	0.02	0.00	11.54	2.00	0.00	0.00	0.02	0.00
11.56	2.00	0.00	0.00	0.02	0.00	11.58	2.00	0.00	0.00	0.02	0.00
11.60	2.00	0.00	0.00	0.02	0.00	11.62	2.00	0.00	0.00	0.02	0.00
11.64	2.00	0.00	0.00	0.02	0.00	11.66	2.00	0.00	0.00	0.02	0.00
11.68	2.00	0.00	0.00	0.02	0.00	11.70	2.00	0.00	0.00	0.02	0.00
11.72	2.00	0.00	0.00	0.02	0.00	11.74	2.00	0.00	0.00	0.02	0.00
11.76	2.00	0.00	0.00	0.02	0.00	11.78	2.00	0.00	0.00	0.02	0.00
11.80	2.00	0.00	0.00	0.02	0.00	11.82	2.00	0.00	0.00	0.02	0.00
11.84	2.00	0.00	0.00	0.02	0.00	11.86	2.00	0.00	0.00	0.02	0.00
11.88	2.00	0.00	0.00	0.02	0.00	11.90	2.00	0.00	0.00	0.02	0.00
11.92	2.00	0.00	0.00	0.02	0.00	11.94	2.00	0.00	0.00	0.02	0.00
11.96	2.00	0.00	0.00	0.02	0.00	11.98	2.00	0.00	0.00	0.02	0.00
12.00	2.00	0.00	0.00	0.02	0.00	12.02	2.00	0.00	0.00	0.02	0.00
12.04	2.00	0.00	0.00	0.02	0.00	12.06	2.00	0.00	0.00	0.02	0.00
12.08	2.00	0.00	0.00	0.02	0.00	12.10	2.00	0.00	0.00	0.02	0.00
12.12	2.00	0.00	0.00	0.02	0.00	12.14	2.00	0.00	0.00	0.02	0.00
12.16	2.00	0.00	0.00	0.02	0.00	12.18	2.00	0.00	0.00	0.02	0.00
12.20	2.00	0.00	0.00	0.02	0.00	12.22	2.00	0.00	0.00	0.02	0.00
12.24	2.00	0.00	0.00	0.02	0.00	12.26	2.00	0.00	0.00	0.02	0.00
12.28	2.00	0.00	0.00	0.02	0.00	12.30	2.00	0.00	0.00	0.02	0.00
12.32	2.00	0.00	0.00	0.02	0.00	12.34	2.00	0.00	0.00	0.02	0.00
12.36	2.00	0.00	0.00	0.02	0.00	12.38	2.00	0.00	0.00	0.02	0.00
12.40	2.00	0.00	0.00	0.02	0.00	12.42	2.00	0.00	0.00	0.02	0.00
12.44	2.00	0.00	0.00	0.02	0.00	12.46	2.00	0.00	0.00	0.02	0.00
12.48	2.00	0.00	0.00	0.02	0.00	12.50	2.00	0.00	0.00	0.02	0.00
12.52	2.00	0.00	0.00	0.02	0.00	12.54	2.00	0.00	0.00	0.02	0.00
12.56	2.00	0.00	0.00	0.02	0.00	12.58	2.00	0.00	0.00	0.02	0.00
12.60	2.00	0.00	0.00	0.02	0.00	12.62	2.00	0.00	0.00	0.02	0.00
12.64	2.00	0.00	0.00	0.02	0.00	12.66	2.00	0.00	0.00	0.02	0.00
12.68	2.00	0.00	0.00	0.02	0.00	12.70	2.00	0.00	0.00	0.02	0.00
12.72	2.00	0.00	0.00	0.02	0.00	12.74	2.00	0.00	0.00	0.02	0.00
12.76	2.00	0.00	0.00	0.02	0.00	12.78	2.00	0.00	0.00	0.02	0.00
12.80	2.00	0.00	0.00	0.02	0.00	12.82	2.00	0.00	0.00	0.02	0.00
12.84	2.00	0.00	0.00	0.02	0.00	12.86	2.00	0.00	0.00	0.02	0.00
12.88	2.00	0.00	0.00	0.02	0.00	12.90	2.00	0.00	0.00	0.02	0.00
12.92	2.00	0.00	0.00	0.02	0.00	12.94	2.00	0.00	0.00	0.02	0.00
12.96	2.00	0.00	0.00	0.02	0.00	12.98	2.00	0.00	0.00	0.02	0.00
13.00	2.00	0.00	0.00	0.02	0.00	13.02	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.04	2.00	0.00	0.00	0.02	0.00	13.06	2.00	0.00	0.00	0.02	0.00
13.08	2.00	0.00	0.00	0.02	0.00	13.10	2.00	0.00	0.00	0.02	0.00
13.12	2.00	0.00	0.00	0.02	0.00	13.14	2.00	0.00	0.00	0.02	0.00
13.16	2.00	0.00	0.00	0.02	0.00	13.18	2.00	0.00	0.00	0.02	0.00
13.20	2.00	0.00	0.00	0.02	0.00	13.22	2.00	0.00	0.00	0.02	0.00
13.24	2.00	0.00	0.00	0.02	0.00	13.26	2.00	0.00	0.00	0.02	0.00
13.28	2.00	0.00	0.00	0.02	0.00	13.30	2.00	0.00	0.00	0.02	0.00
13.32	2.00	0.00	0.00	0.02	0.00	13.34	2.00	0.00	0.00	0.02	0.00
13.36	2.00	0.00	0.00	0.02	0.00	13.38	2.00	0.00	0.00	0.02	0.00
13.40	2.00	0.00	0.00	0.02	0.00	13.42	2.00	0.00	0.00	0.02	0.00
13.44	2.00	0.00	0.00	0.02	0.00	13.46	2.00	0.00	0.00	0.02	0.00
13.48	2.00	0.00	0.00	0.02	0.00	13.50	2.00	0.00	0.00	0.02	0.00
13.52	2.00	0.00	0.00	0.02	0.00	13.54	2.00	0.00	0.00	0.02	0.00
13.56	2.00	0.00	0.00	0.02	0.00	13.58	2.00	0.00	0.00	0.02	0.00
13.60	2.00	0.00	0.00	0.02	0.00	13.62	2.00	0.00	0.00	0.02	0.00
13.64	2.00	0.00	0.00	0.02	0.00	13.66	2.00	0.00	0.00	0.02	0.00
13.68	2.00	0.00	0.00	0.02	0.00	13.70	2.00	0.00	0.00	0.02	0.00
13.72	2.00	0.00	0.00	0.02	0.00	13.74	2.00	0.00	0.00	0.02	0.00
13.76	2.00	0.00	0.00	0.02	0.00	13.78	2.00	0.00	0.00	0.02	0.00
13.80	2.00	0.00	0.00	0.02	0.00	13.82	2.00	0.00	0.00	0.02	0.00
13.84	2.00	0.00	0.00	0.02	0.00	13.86	2.00	0.00	0.00	0.02	0.00
13.88	2.00	0.00	0.00	0.02	0.00	13.90	2.00	0.00	0.00	0.02	0.00
13.92	2.00	0.00	0.00	0.02	0.00	13.94	2.00	0.00	0.00	0.02	0.00
13.96	2.00	0.00	0.00	0.02	0.00	13.98	2.00	0.00	0.00	0.02	0.00
14.00	2.00	0.00	0.00	0.02	0.00	14.02	2.00	0.00	0.00	0.02	0.00
14.04	2.00	0.00	0.00	0.02	0.00	14.06	2.00	0.00	0.00	0.02	0.00
14.08	2.00	0.00	0.00	0.02	0.00	14.10	2.00	0.00	0.00	0.02	0.00
14.12	2.00	0.00	0.00	0.02	0.00	14.14	2.00	0.00	0.00	0.02	0.00
14.16	2.00	0.00	0.00	0.02	0.00	14.18	2.00	0.00	0.00	0.02	0.00
14.20	2.00	0.00	0.00	0.02	0.00	14.22	2.00	0.00	0.00	0.02	0.00
14.24	2.00	0.00	0.00	0.02	0.00	14.26	2.00	0.00	0.00	0.02	0.00
14.28	2.00	0.00	0.00	0.02	0.00	14.30	2.00	0.00	0.00	0.02	0.00
14.32	2.00	0.00	0.00	0.02	0.00	14.34	2.00	0.00	0.00	0.02	0.00
14.36	2.00	0.00	0.00	0.02	0.00	14.38	2.00	0.00	0.00	0.02	0.00
14.40	2.00	0.00	0.00	0.02	0.00	14.42	2.00	0.00	0.00	0.02	0.00
14.44	2.00	0.00	0.00	0.02	0.00	14.46	2.00	0.00	0.00	0.02	0.00
14.48	2.00	0.00	0.00	0.02	0.00	14.50	2.00	0.00	0.00	0.02	0.00
14.52	2.00	0.00	0.00	0.02	0.00	14.54	2.00	0.00	0.00	0.02	0.00
14.56	2.00	0.00	0.00	0.02	0.00	14.58	2.00	0.00	0.00	0.02	0.00
14.60	2.00	0.00	0.00	0.02	0.00	14.62	2.00	0.00	0.00	0.02	0.00
14.64	2.00	0.00	0.00	0.02	0.00	14.66	2.00	0.00	0.00	0.02	0.00
14.68	2.00	0.00	0.00	0.02	0.00	14.70	2.00	0.00	0.00	0.02	0.00
14.72	2.00	0.00	0.00	0.02	0.00	14.74	2.00	0.00	0.00	0.02	0.00
14.76	2.00	0.00	0.00	0.02	0.00	14.78	2.00	0.00	0.00	0.02	0.00
14.80	2.00	0.00	0.00	0.02	0.00	14.82	2.00	0.00	0.00	0.02	0.00
14.84	2.00	0.00	0.00	0.02	0.00	14.86	2.00	0.00	0.00	0.02	0.00
14.88	2.00	0.00	0.00	0.02	0.00	14.90	2.00	0.00	0.00	0.02	0.00
14.92	2.00	0.00	0.00	0.02	0.00	14.94	2.00	0.00	0.00	0.02	0.00
14.96	2.00	0.00	0.00	0.02	0.00	14.98	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.00	2.00	0.00	0.00	0.02	0.00	15.02	2.00	0.00	0.00	0.02	0.00
15.04	2.00	0.00	0.00	0.02	0.00	15.06	2.00	0.00	0.00	0.02	0.00
15.08	2.00	0.00	0.00	0.02	0.00	15.10	2.00	0.00	0.00	0.02	0.00
15.12	2.00	0.00	0.00	0.02	0.00	15.14	2.00	0.00	0.00	0.02	0.00
15.16	2.00	0.00	0.00	0.02	0.00	15.18	2.00	0.00	0.00	0.02	0.00
15.20	2.00	0.00	0.00	0.02	0.00	15.22	2.00	0.00	0.00	0.02	0.00
15.24	2.00	0.00	0.00	0.02	0.00	15.26	2.00	0.00	0.00	0.02	0.00
15.28	2.00	0.00	0.00	0.02	0.00	15.30	2.00	0.00	0.00	0.02	0.00
15.32	2.00	0.00	0.00	0.02	0.00	15.34	2.00	0.00	0.00	0.02	0.00
15.36	2.00	0.00	0.00	0.02	0.00	15.38	2.00	0.00	0.00	0.02	0.00
15.40	2.00	0.00	0.00	0.02	0.00	15.42	2.00	0.00	0.00	0.02	0.00
15.44	2.00	0.00	0.00	0.02	0.00	15.46	2.00	0.00	0.00	0.02	0.00
15.48	2.00	0.00	0.00	0.02	0.00	15.50	2.00	0.00	0.00	0.02	0.00
15.52	2.00	0.00	0.00	0.02	0.00	15.54	2.00	0.00	0.00	0.02	0.00
15.56	2.00	0.00	0.00	0.02	0.00	15.58	2.00	0.00	0.00	0.02	0.00
15.60	2.00	0.00	0.00	0.02	0.00	15.62	2.00	0.00	0.00	0.02	0.00
15.64	2.00	0.00	0.00	0.02	0.00	15.66	2.00	0.00	0.00	0.02	0.00
15.68	2.00	0.00	0.00	0.02	0.00	15.70	2.00	0.00	0.00	0.02	0.00
15.72	2.00	0.00	0.00	0.02	0.00	15.74	2.00	0.00	0.00	0.02	0.00
15.76	2.00	0.00	0.00	0.02	0.00	15.78	2.00	0.00	0.00	0.02	0.00
15.80	2.00	0.00	0.00	0.02	0.00	15.82	2.00	0.00	0.00	0.02	0.00
15.84	2.00	0.00	0.00	0.02	0.00	15.86	2.00	0.00	0.00	0.02	0.00
15.88	2.00	0.00	0.00	0.02	0.00	15.90	2.00	0.00	0.00	0.02	0.00
15.92	2.00	0.00	0.00	0.02	0.00	15.94	2.00	0.00	0.00	0.02	0.00
15.96	2.00	0.00	0.00	0.02	0.00	15.98	2.00	0.00	0.00	0.02	0.00
16.00	2.00	0.00	0.00	0.02	0.00	16.02	2.00	0.00	0.00	0.02	0.00
16.04	2.00	0.00	0.00	0.02	0.00	16.06	2.00	0.00	0.00	0.02	0.00
16.08	2.00	0.00	0.00	0.02	0.00	16.10	2.00	0.00	0.00	0.02	0.00
16.12	2.00	0.00	0.00	0.02	0.00	16.14	2.00	0.00	0.00	0.02	0.00
16.16	2.00	0.00	0.00	0.02	0.00	16.18	2.00	0.00	0.00	0.02	0.00
16.20	2.00	0.00	0.00	0.02	0.00	16.22	2.00	0.00	0.00	0.02	0.00
16.24	2.00	0.00	0.00	0.02	0.00	16.26	2.00	0.00	0.00	0.02	0.00
16.28	2.00	0.00	0.00	0.02	0.00	16.30	2.00	0.00	0.00	0.02	0.00
16.32	2.00	0.00	0.00	0.02	0.00	16.34	2.00	0.00	0.00	0.02	0.00
16.36	2.00	0.00	0.00	0.02	0.00	16.38	2.00	0.00	0.00	0.02	0.00
16.40	2.00	0.00	0.00	0.02	0.00	16.42	2.00	0.00	0.00	0.02	0.00
16.44	2.00	0.00	0.00	0.02	0.00	16.46	2.00	0.00	0.00	0.02	0.00
16.48	2.00	0.00	0.00	0.02	0.00	16.50	2.00	0.00	0.00	0.02	0.00
16.52	2.00	0.00	0.00	0.02	0.00	16.54	2.00	0.00	0.00	0.02	0.00
16.56	2.00	0.00	0.00	0.02	0.00	16.58	2.00	0.00	0.00	0.02	0.00
16.60	2.00	0.00	0.00	0.02	0.00	16.62	2.00	0.00	0.00	0.02	0.00
16.64	2.00	0.00	0.00	0.02	0.00	16.66	2.00	0.00	0.00	0.02	0.00
16.68	2.00	0.00	0.00	0.02	0.00	16.70	2.00	0.00	0.00	0.02	0.00
16.72	2.00	0.00	0.00	0.02	0.00	16.74	2.00	0.00	0.00	0.02	0.00
16.76	2.00	0.00	0.00	0.02	0.00	16.78	2.00	0.00	0.00	0.02	0.00
16.80	2.00	0.00	0.00	0.02	0.00	16.82	2.00	0.00	0.00	0.02	0.00
16.84	2.00	0.00	0.00	0.02	0.00	16.86	2.00	0.00	0.00	0.02	0.00
16.88	2.00	0.00	0.00	0.02	0.00	16.90	2.00	0.00	0.00	0.02	0.00
16.92	2.00	0.00	0.00	0.02	0.00	16.94	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.96	2.00	0.00	0.00	0.02	0.00	16.98	2.00	0.00	0.00	0.02	0.00
17.00	2.00	0.00	0.00	0.02	0.00	17.02	2.00	0.00	0.00	0.02	0.00
17.04	2.00	0.00	0.00	0.02	0.00	17.06	2.00	0.00	0.00	0.02	0.00
17.08	2.00	0.00	0.00	0.02	0.00	17.10	2.00	0.00	0.00	0.02	0.00
17.12	2.00	0.00	0.00	0.02	0.00	17.14	2.00	0.00	0.00	0.02	0.00
17.16	2.00	0.00	0.00	0.02	0.00	17.18	2.00	0.00	0.00	0.02	0.00
17.20	2.00	0.00	0.00	0.02	0.00	17.22	2.00	0.00	0.00	0.02	0.00
17.24	2.00	0.00	0.00	0.02	0.00	17.26	2.00	0.00	0.00	0.02	0.00
17.28	2.00	0.00	0.00	0.02	0.00	17.30	2.00	0.00	0.00	0.02	0.00
17.32	2.00	0.00	0.00	0.02	0.00	17.34	2.00	0.00	0.00	0.02	0.00
17.36	2.00	0.00	0.00	0.02	0.00	17.38	2.00	0.00	0.00	0.02	0.00
17.40	2.00	0.00	0.00	0.02	0.00	17.42	2.00	0.00	0.00	0.02	0.00
17.44	2.00	0.00	0.00	0.02	0.00	17.46	2.00	0.00	0.00	0.02	0.00
17.48	2.00	0.00	0.00	0.02	0.00	17.50	2.00	0.00	0.00	0.02	0.00
17.52	2.00	0.00	0.00	0.02	0.00	17.54	2.00	0.00	0.00	0.02	0.00
17.56	2.00	0.00	0.00	0.02	0.00	17.58	2.00	0.00	0.00	0.02	0.00
17.60	2.00	0.00	0.00	0.02	0.00	17.62	2.00	0.00	0.00	0.02	0.00
17.64	2.00	0.00	0.00	0.02	0.00	17.66	2.00	0.00	0.00	0.02	0.00
17.68	2.00	0.00	0.00	0.02	0.00	17.70	2.00	0.00	0.00	0.02	0.00
17.72	2.00	0.00	0.00	0.02	0.00	17.74	2.00	0.00	0.00	0.02	0.00
17.76	2.00	0.00	0.00	0.02	0.00	17.78	2.00	0.00	0.00	0.02	0.00
17.80	2.00	0.00	0.00	0.02	0.00	17.82	2.00	0.00	0.00	0.02	0.00
17.84	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.88	2.00	0.00	0.00	0.02	0.00	17.90	2.00	0.00	0.00	0.02	0.00
17.92	2.00	0.00	0.00	0.02	0.00	17.94	2.00	0.00	0.00	0.02	0.00
17.96	2.00	0.00	0.00	0.02	0.00	17.98	2.00	0.00	0.00	0.02	0.00
18.00	2.00	0.00	0.00	0.02	0.00	18.02	2.00	0.00	0.00	0.02	0.00
18.04	2.00	0.00	0.00	0.02	0.00	18.06	2.00	0.00	0.00	0.02	0.00
18.08	2.00	0.00	0.00	0.02	0.00	18.10	2.00	0.00	0.00	0.02	0.00
18.12	2.00	0.00	0.00	0.02	0.00	18.14	2.00	0.00	0.00	0.02	0.00
18.16	2.00	0.00	0.00	0.02	0.00	18.18	2.00	0.00	0.00	0.02	0.00
18.20	2.00	0.00	0.00	0.02	0.00	18.22	2.00	0.00	0.00	0.02	0.00
18.24	2.00	0.00	0.00	0.02	0.00	18.26	2.00	0.00	0.00	0.02	0.00
18.28	2.00	0.00	0.00	0.02	0.00	18.30	2.00	0.00	0.00	0.02	0.00
18.32	2.00	0.00	0.00	0.02	0.00	18.34	2.00	0.00	0.00	0.02	0.00
18.36	2.00	0.00	0.00	0.02	0.00	18.38	2.00	0.00	0.00	0.02	0.00
18.40	2.00	0.00	0.00	0.02	0.00	18.42	2.00	0.00	0.00	0.02	0.00
18.44	2.00	0.00	0.00	0.02	0.00	18.46	2.00	0.00	0.00	0.02	0.00
18.48	2.00	0.00	0.00	0.02	0.00	18.50	2.00	0.00	0.00	0.02	0.00
18.52	2.00	0.00	0.00	0.02	0.00	18.54	2.00	0.00	0.00	0.02	0.00
18.56	2.00	0.00	0.00	0.02	0.00	18.58	2.00	0.00	0.00	0.02	0.00
18.60	2.00	0.00	0.00	0.02	0.00	18.62	2.00	0.00	0.00	0.02	0.00
18.64	2.00	0.00	0.00	0.02	0.00	18.66	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.02	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.72	2.00	0.00	0.00	0.02	0.00	18.74	2.00	0.00	0.00	0.02	0.00
18.76	2.00	0.00	0.00	0.02	0.00	18.78	2.00	0.00	0.00	0.02	0.00
18.80	2.00	0.00	0.00	0.02	0.00	18.82	2.00	0.00	0.00	0.02	0.00
18.84	2.00	0.00	0.00	0.02	0.00	18.86	2.00	0.00	0.00	0.02	0.00
18.88	2.00	0.00	0.00	0.02	0.00	18.90	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.92	2.00	0.00	0.00	0.02	0.00	18.94	2.00	0.00	0.00	0.02	0.00
18.96	2.00	0.00	0.00	0.02	0.00	18.98	2.00	0.00	0.00	0.02	0.00
19.00	2.00	0.00	0.00	0.02	0.00	19.02	2.00	0.00	0.00	0.02	0.00
19.04	2.00	0.00	0.00	0.02	0.00	19.06	2.00	0.00	0.00	0.02	0.00
19.08	2.00	0.00	0.00	0.02	0.00	19.10	2.00	0.00	0.00	0.02	0.00
19.12	2.00	0.00	0.00	0.02	0.00	19.14	2.00	0.00	0.00	0.02	0.00
19.16	2.00	0.00	0.00	0.02	0.00	19.18	2.00	0.00	0.00	0.02	0.00
19.20	2.00	0.00	0.00	0.02	0.00	19.22	2.00	0.00	0.00	0.02	0.00
19.24	2.00	0.00	0.00	0.02	0.00	19.26	2.00	0.00	0.00	0.02	0.00
19.28	2.00	0.00	0.00	0.02	0.00	19.30	2.00	0.00	0.00	0.02	0.00
19.32	2.00	0.00	0.00	0.02	0.00	19.34	2.00	0.00	0.00	0.02	0.00
19.36	2.00	0.00	0.00	0.02	0.00	19.38	2.00	0.00	0.00	0.02	0.00
19.40	2.00	0.00	0.00	0.02	0.00	19.42	2.00	0.00	0.00	0.02	0.00
19.44	2.00	0.00	0.00	0.02	0.00	19.46	2.00	0.00	0.00	0.02	0.00
19.48	2.00	0.00	0.00	0.02	0.00	19.50	2.00	0.00	0.00	0.02	0.00
19.52	2.00	0.00	0.00	0.02	0.00	19.54	2.00	0.00	0.00	0.02	0.00
19.56	2.00	0.00	0.00	0.02	0.00	19.58	2.00	0.00	0.00	0.02	0.00
19.60	2.00	0.00	0.00	0.02	0.00	19.62	2.00	0.00	0.00	0.02	0.00
19.64	2.00	0.00	0.00	0.02	0.00	19.66	2.00	0.00	0.00	0.02	0.00
19.68	2.00	0.00	0.00	0.02	0.00	19.70	2.00	0.00	0.00	0.02	0.00
19.72	2.00	0.00	0.00	0.02	0.00	19.74	2.00	0.00	0.00	0.02	0.00
19.76	2.00	0.00	0.00	0.02	0.00	19.78	2.00	0.00	0.00	0.02	0.00
19.80	2.00	0.00	0.00	0.02	0.00	19.82	2.00	0.00	0.00	0.02	0.00
19.84	2.00	0.00	0.00	0.02	0.00	19.86	2.00	0.00	0.00	0.02	0.00
19.88	2.00	0.00	0.00	0.02	0.00	19.90	2.00	0.00	0.00	0.02	0.00
19.92	2.00	0.00	0.00	0.02	0.00	19.94	2.00	0.00	0.00	0.02	0.00
19.96	2.00	0.00	0.00	0.02	0.00	19.98	2.00	0.00	0.00	0.02	0.00
20.00	2.00	0.00	0.00	0.02	0.00						

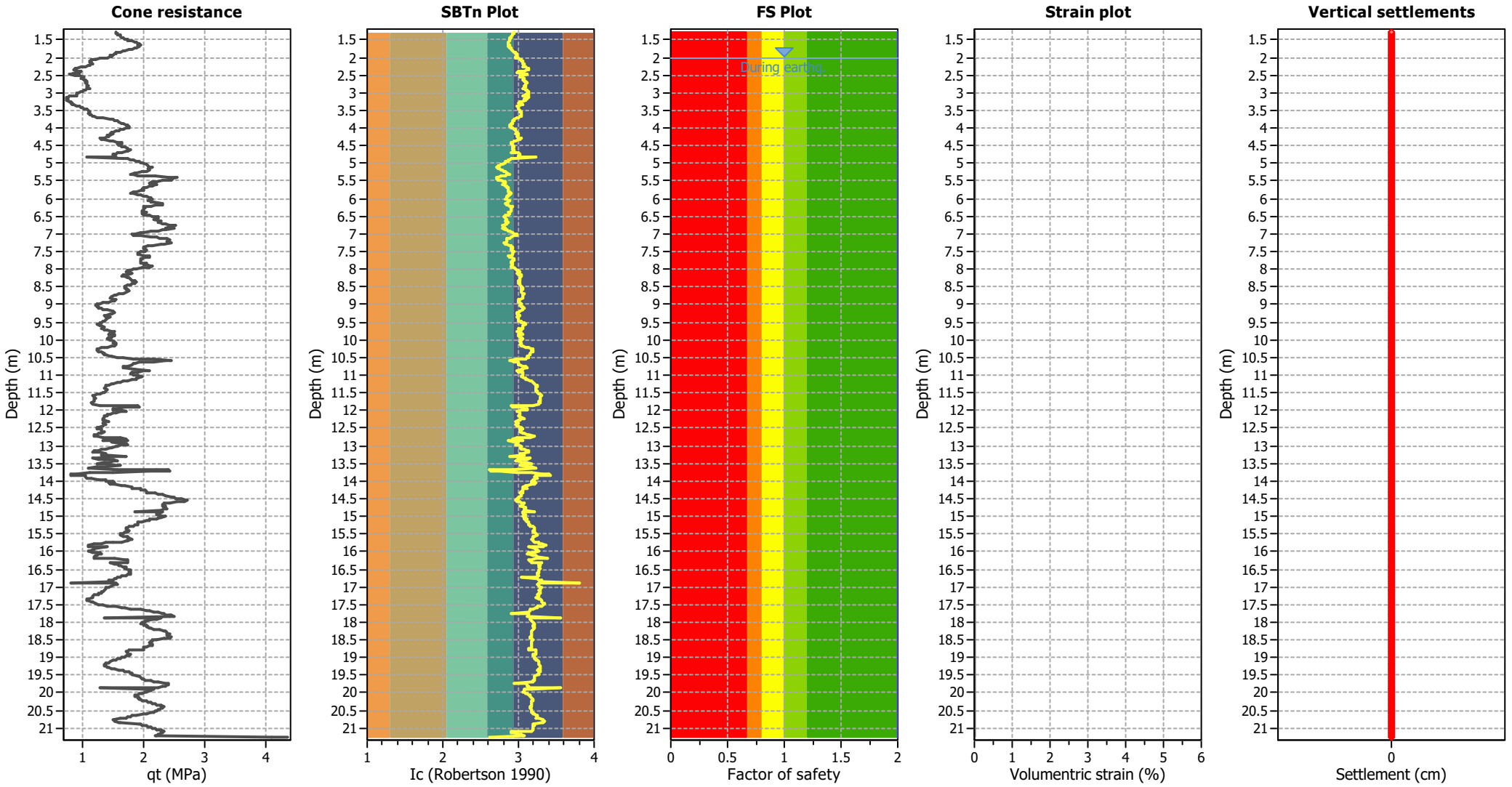
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.28	2.94	25.66	7.80	200.16	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.30	2.94	25.76	7.76	199.91	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.32	2.93	25.86	7.72	199.66	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.34	2.92	26.18	7.57	198.19	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.36	2.93	26.11	7.64	199.47	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.38	2.92	26.73	7.43	198.60	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.40	2.91	27.05	7.30	197.56	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.42	2.90	26.98	7.25	195.61	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.44	2.90	27.07	7.18	194.48	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.46	2.89	27.46	7.12	195.51	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.48	2.89	27.90	7.01	195.63	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.50	2.88	28.68	6.97	199.87	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.52	2.89	28.96	7.11	205.84	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.54	2.88	30.01	6.96	208.81	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.56	2.87	30.87	6.82	210.57	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.58	2.87	31.21	6.75	210.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.60	2.86	31.79	6.69	212.54	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.62	2.86	32.07	6.65	213.32	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.64	2.86	32.22	6.60	212.67	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.66	2.88	31.51	6.87	216.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.68	2.88	31.40	6.89	216.43	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.70	2.87	31.79	6.77	215.20	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.72	2.88	31.31	6.93	217.03	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.74	2.90	30.65	7.18	220.19	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.76	2.90	30.06	7.16	215.22	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.78	2.91	29.17	7.33	213.87	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.80	2.92	28.08	7.56	212.21	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.82	2.93	27.49	7.68	211.14	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.84	2.94	26.65	7.86	209.43	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.86	2.96	25.69	8.15	209.30	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.88	2.96	25.51	8.11	206.90	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.90	2.97	25.11	8.30	208.53	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.92	2.98	24.73	8.40	207.60	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.94	2.98	24.55	8.39	206.06	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.96	2.98	24.07	8.48	204.22	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.98	2.98	24.23	8.37	202.84	0	0	0.10	0.000	0.00	0.00	0.00	0.000
2.00	2.96	23.99	8.19	196.50	0	0	0.10	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	23.25	2.00	0.00	1.00	0.00	2.04	21.14	2.00	0.00	1.00	0.00
2.06	19.97	2.00	0.00	1.00	0.00	2.08	18.93	2.00	0.00	1.00	0.00
2.10	18.79	2.00	0.00	1.00	0.00	2.12	18.44	2.00	0.00	1.00	0.00
2.14	18.49	2.00	0.00	1.00	0.00	2.16	18.81	2.00	0.00	1.00	0.00
2.18	19.08	2.00	0.00	1.00	0.00	2.20	18.65	2.00	0.00	1.00	0.00
2.22	18.43	2.00	0.00	1.00	0.00	2.24	17.83	2.00	0.00	1.00	0.00
2.26	17.13	2.00	0.00	1.00	0.00	2.28	15.99	2.00	0.00	1.00	0.00
2.30	14.97	2.00	0.00	1.00	0.00	2.32	14.48	2.00	0.00	1.00	0.00
2.34	14.06	2.00	0.00	1.00	0.00	2.36	14.29	2.00	0.00	1.00	0.00
2.38	14.42	2.00	0.00	1.00	0.00	2.40	15.24	2.00	0.00	1.00	0.00
2.42	15.25	2.00	0.00	1.00	0.00	2.44	14.25	2.00	0.00	1.00	0.00
2.46	13.04	2.00	0.00	1.00	0.00	2.48	12.46	2.00	0.00	1.00	0.00
2.50	13.46	2.00	0.00	1.00	0.00	2.52	14.62	2.00	0.00	1.00	0.00
2.54	15.93	2.00	0.00	1.00	0.00	2.56	16.15	2.00	0.00	1.00	0.00
2.58	15.54	2.00	0.00	1.00	0.00	2.60	15.77	2.00	0.00	1.00	0.00
2.62	15.95	2.00	0.00	1.00	0.00	2.64	15.96	2.00	0.00	1.00	0.00
2.66	16.51	2.00	0.00	1.00	0.00	2.68	16.69	2.00	0.00	1.00	0.00
2.70	16.55	2.00	0.00	1.00	0.00	2.72	16.41	2.00	0.00	1.00	0.00
2.74	16.57	2.00	0.00	1.00	0.00	2.76	16.58	2.00	0.00	1.00	0.00
2.78	16.80	2.00	0.00	1.00	0.00	2.80	16.77	2.00	0.00	1.00	0.00
2.82	16.89	2.00	0.00	1.00	0.00	2.84	16.69	2.00	0.00	1.00	0.00
2.86	16.45	2.00	0.00	1.00	0.00	2.88	17.04	2.00	0.00	1.00	0.00
2.90	16.60	2.00	0.00	1.00	0.00	2.92	16.15	2.00	0.00	1.00	0.00
2.94	15.87	2.00	0.00	1.00	0.00	2.96	15.47	2.00	0.00	1.00	0.00
2.98	14.93	2.00	0.00	1.00	0.00	3.00	14.43	2.00	0.00	1.00	0.00
3.02	13.94	2.00	0.00	1.00	0.00	3.04	13.81	2.00	0.00	1.00	0.00
3.06	13.78	2.00	0.00	1.00	0.00	3.08	13.76	2.00	0.00	1.00	0.00
3.10	11.95	2.00	0.00	1.00	0.00	3.12	11.57	2.00	0.00	1.00	0.00
3.14	11.08	2.00	0.00	1.00	0.00	3.16	11.05	2.00	0.00	1.00	0.00
3.18	11.34	2.00	0.00	1.00	0.00	3.20	11.05	2.00	0.00	1.00	0.00
3.22	10.83	2.00	0.00	1.00	0.00	3.24	11.27	2.00	0.00	1.00	0.00
3.26	11.55	2.00	0.00	1.00	0.00	3.28	12.03	2.00	0.00	1.00	0.00
3.30	11.49	2.00	0.00	1.00	0.00	3.32	11.47	2.00	0.00	1.00	0.00
3.34	11.60	2.00	0.00	1.00	0.00	3.36	11.77	2.00	0.00	1.00	0.00
3.38	12.35	2.00	0.00	1.00	0.00	3.40	13.03	2.00	0.00	1.00	0.00
3.42	13.65	2.00	0.00	1.00	0.00	3.44	13.98	2.00	0.00	1.00	0.00
3.46	14.14	2.00	0.00	1.00	0.00	3.48	14.50	2.00	0.00	1.00	0.00
3.50	14.92	2.00	0.00	1.00	0.00	3.52	15.63	2.00	0.00	1.00	0.00
3.54	15.89	2.00	0.00	1.00	0.00	3.56	15.86	2.00	0.00	1.00	0.00
3.58	15.53	2.00	0.00	1.00	0.00	3.60	15.69	2.00	0.00	1.00	0.00
3.62	15.76	2.00	0.00	1.00	0.00	3.64	16.11	2.00	0.00	1.00	0.00
3.66	16.42	2.00	0.00	1.00	0.00	3.68	16.67	2.00	0.00	1.00	0.00
3.70	16.88	2.00	0.00	1.00	0.00	3.72	18.13	2.00	0.00	1.00	0.00
3.74	19.77	2.00	0.00	1.00	0.00	3.76	20.49	2.00	0.00	1.00	0.00
3.78	20.97	2.00	0.00	1.00	0.00	3.80	21.67	2.00	0.00	1.00	0.00
3.82	22.10	2.00	0.00	1.00	0.00	3.84	22.06	2.00	0.00	1.00	0.00
3.86	22.50	2.00	0.00	1.00	0.00	3.88	23.25	2.00	0.00	1.00	0.00
3.90	23.63	2.00	0.00	1.00	0.00	3.92	23.83	2.00	0.00	1.00	0.00
3.94	23.69	2.00	0.00	1.00	0.00	3.96	24.20	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.98	24.14	2.00	0.00	1.00	0.00	4.00	24.00	2.00	0.00	1.00	0.00
4.02	23.45	2.00	0.00	1.00	0.00	4.04	22.85	2.00	0.00	1.00	0.00
4.06	22.33	2.00	0.00	1.00	0.00	4.08	21.87	2.00	0.00	1.00	0.00
4.10	21.31	2.00	0.00	1.00	0.00	4.12	20.54	2.00	0.00	1.00	0.00
4.14	20.32	2.00	0.00	1.00	0.00	4.16	20.03	2.00	0.00	1.00	0.00
4.18	20.45	2.00	0.00	1.00	0.00	4.20	19.72	2.00	0.00	1.00	0.00
4.22	19.15	2.00	0.00	1.00	0.00	4.24	19.52	2.00	0.00	1.00	0.00
4.26	19.29	2.00	0.00	1.00	0.00	4.28	18.51	2.00	0.00	1.00	0.00
4.30	17.50	2.00	0.00	1.00	0.00	4.32	17.87	2.00	0.00	1.00	0.00
4.34	18.33	2.00	0.00	1.00	0.00	4.36	19.55	2.00	0.00	1.00	0.00
4.38	20.28	2.00	0.00	1.00	0.00	4.40	21.13	2.00	0.00	1.00	0.00
4.42	21.89	2.00	0.00	1.00	0.00	4.44	21.79	2.00	0.00	1.00	0.00
4.46	20.94	2.00	0.00	1.00	0.00	4.48	21.08	2.00	0.00	1.00	0.00
4.50	21.48	2.00	0.00	1.00	0.00	4.52	21.61	2.00	0.00	1.00	0.00
4.54	22.23	2.00	0.00	1.00	0.00	4.56	22.80	2.00	0.00	1.00	0.00
4.58	22.92	2.00	0.00	1.00	0.00	4.60	22.75	2.00	0.00	1.00	0.00
4.62	23.37	2.00	0.00	1.00	0.00	4.64	22.70	2.00	0.00	1.00	0.00
4.66	22.26	2.00	0.00	1.00	0.00	4.68	21.51	2.00	0.00	1.00	0.00
4.70	20.87	2.00	0.00	1.00	0.00	4.72	20.38	2.00	0.00	1.00	0.00
4.74	20.21	2.00	0.00	1.00	0.00	4.76	19.54	2.00	0.00	1.00	0.00
4.78	19.60	2.00	0.00	1.00	0.00	4.80	19.82	2.00	0.00	1.00	0.00
4.82	19.96	2.00	0.00	1.00	0.00	4.84	13.77	2.00	0.00	1.00	0.00
4.86	21.18	2.00	0.00	1.00	0.00	4.88	21.72	2.00	0.00	1.00	0.00
4.90	22.42	2.00	0.00	1.00	0.00	4.92	22.99	2.00	0.00	1.00	0.00
4.94	23.43	2.00	0.00	1.00	0.00	4.96	24.10	2.00	0.00	1.00	0.00
4.98	24.27	2.00	0.00	1.00	0.00	5.00	24.48	2.00	0.00	1.00	0.00
5.02	25.60	2.00	0.00	1.00	0.00	5.04	25.36	2.00	0.00	1.00	0.00
5.06	25.28	2.00	0.00	1.00	0.00	5.08	25.29	2.00	0.00	1.00	0.00
5.10	25.46	2.00	0.00	1.00	0.00	5.12	25.21	2.00	0.00	1.00	0.00
5.14	24.27	2.00	0.00	1.00	0.00	5.16	24.31	2.00	0.00	1.00	0.00
5.18	24.81	2.00	0.00	1.00	0.00	5.20	25.26	2.00	0.00	1.00	0.00
5.22	24.70	2.00	0.00	1.00	0.00	5.24	24.19	2.00	0.00	1.00	0.00
5.26	23.22	2.00	0.00	1.00	0.00	5.28	22.79	2.00	0.00	1.00	0.00
5.30	21.99	2.00	0.00	1.00	0.00	5.32	22.46	2.00	0.00	1.00	0.00
5.34	23.02	2.00	0.00	1.00	0.00	5.36	24.67	2.00	0.00	1.00	0.00
5.38	26.17	2.00	0.00	1.00	0.00	5.40	28.71	2.00	0.00	1.00	0.00
5.42	30.23	2.00	0.00	1.00	0.00	5.44	28.73	2.00	0.00	1.00	0.00
5.46	29.23	2.00	0.00	1.00	0.00	5.48	29.01	2.00	0.00	1.00	0.00
5.50	27.48	2.00	0.00	1.00	0.00	5.52	26.74	2.00	0.00	1.00	0.00
5.54	25.53	2.00	0.00	1.00	0.00	5.56	25.05	2.00	0.00	1.00	0.00
5.58	25.25	2.00	0.00	1.00	0.00	5.60	26.07	2.00	0.00	1.00	0.00
5.62	25.83	2.00	0.00	1.00	0.00	5.64	25.29	2.00	0.00	1.00	0.00
5.66	25.00	2.00	0.00	1.00	0.00	5.68	24.51	2.00	0.00	1.00	0.00
5.70	23.89	2.00	0.00	1.00	0.00	5.72	23.78	2.00	0.00	1.00	0.00
5.74	24.02	2.00	0.00	1.00	0.00	5.76	23.82	2.00	0.00	1.00	0.00
5.78	23.38	2.00	0.00	1.00	0.00	5.80	22.64	2.00	0.00	1.00	0.00
5.82	22.08	2.00	0.00	1.00	0.00	5.84	21.47	2.00	0.00	1.00	0.00
5.86	21.59	2.00	0.00	1.00	0.00	5.88	22.35	2.00	0.00	1.00	0.00
5.90	22.80	2.00	0.00	1.00	0.00	5.92	23.18	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.94	23.93	2.00	0.00	1.00	0.00	5.96	24.42	2.00	0.00	1.00	0.00
5.98	24.71	2.00	0.00	1.00	0.00	6.00	24.83	2.00	0.00	1.00	0.00
6.02	25.07	2.00	0.00	1.00	0.00	6.04	24.31	2.00	0.00	1.00	0.00
6.06	24.31	2.00	0.00	1.00	0.00	6.08	24.84	2.00	0.00	1.00	0.00
6.10	24.68	2.00	0.00	1.00	0.00	6.12	25.21	2.00	0.00	1.00	0.00
6.14	26.71	2.00	0.00	1.00	0.00	6.16	26.68	2.00	0.00	1.00	0.00
6.18	26.76	2.00	0.00	1.00	0.00	6.20	25.44	2.00	0.00	1.00	0.00
6.22	24.72	2.00	0.00	1.00	0.00	6.24	23.45	2.00	0.00	1.00	0.00
6.26	23.57	2.00	0.00	1.00	0.00	6.28	23.37	2.00	0.00	1.00	0.00
6.30	23.29	2.00	0.00	1.00	0.00	6.32	23.14	2.00	0.00	1.00	0.00
6.34	23.18	2.00	0.00	1.00	0.00	6.36	23.02	2.00	0.00	1.00	0.00
6.38	22.98	2.00	0.00	1.00	0.00	6.40	23.54	2.00	0.00	1.00	0.00
6.42	22.94	2.00	0.00	1.00	0.00	6.44	22.99	2.00	0.00	1.00	0.00
6.46	23.14	2.00	0.00	1.00	0.00	6.48	23.30	2.00	0.00	1.00	0.00
6.50	23.74	2.00	0.00	1.00	0.00	6.52	25.15	2.00	0.00	1.00	0.00
6.54	25.42	2.00	0.00	1.00	0.00	6.56	25.14	2.00	0.00	1.00	0.00
6.58	24.40	2.00	0.00	1.00	0.00	6.60	24.09	2.00	0.00	1.00	0.00
6.62	25.26	2.00	0.00	1.00	0.00	6.64	25.37	2.00	0.00	1.00	0.00
6.66	25.03	2.00	0.00	1.00	0.00	6.68	25.30	2.00	0.00	1.00	0.00
6.70	25.69	2.00	0.00	1.00	0.00	6.72	26.27	2.00	0.00	1.00	0.00
6.74	27.01	2.00	0.00	1.00	0.00	6.76	28.01	2.00	0.00	1.00	0.00
6.78	27.25	2.00	0.00	1.00	0.00	6.80	27.20	2.00	0.00	1.00	0.00
6.82	26.83	2.00	0.00	1.00	0.00	6.84	25.38	2.00	0.00	1.00	0.00
6.86	28.00	2.00	0.00	1.00	0.00	6.88	26.33	2.00	0.00	1.00	0.00
6.90	25.91	2.00	0.00	1.00	0.00	6.92	25.01	2.00	0.00	1.00	0.00
6.94	23.76	2.00	0.00	1.00	0.00	6.96	22.38	2.00	0.00	1.00	0.00
6.98	21.89	2.00	0.00	1.00	0.00	7.00	20.76	2.00	0.00	1.00	0.00
7.02	20.27	2.00	0.00	1.00	0.00	7.04	20.44	2.00	0.00	1.00	0.00
7.06	21.56	2.00	0.00	1.00	0.00	7.08	23.32	2.00	0.00	1.00	0.00
7.10	24.31	2.00	0.00	1.00	0.00	7.12	24.99	2.00	0.00	1.00	0.00
7.14	26.10	2.00	0.00	1.00	0.00	7.16	26.70	2.00	0.00	1.00	0.00
7.18	26.62	2.00	0.00	1.00	0.00	7.20	26.21	2.00	0.00	1.00	0.00
7.22	25.99	2.00	0.00	1.00	0.00	7.24	26.19	2.00	0.00	1.00	0.00
7.26	26.71	2.00	0.00	1.00	0.00	7.28	25.44	2.00	0.00	1.00	0.00
7.30	24.77	2.00	0.00	1.00	0.00	7.32	23.14	2.00	0.00	1.00	0.00
7.34	22.26	2.00	0.00	1.00	0.00	7.36	21.67	2.00	0.00	1.00	0.00
7.38	21.46	2.00	0.00	1.00	0.00	7.40	21.47	2.00	0.00	1.00	0.00
7.42	21.85	2.00	0.00	1.00	0.00	7.44	21.86	2.00	0.00	1.00	0.00
7.46	21.95	2.00	0.00	1.00	0.00	7.48	22.00	2.00	0.00	1.00	0.00
7.50	21.55	2.00	0.00	1.00	0.00	7.52	20.93	2.00	0.00	1.00	0.00
7.54	20.45	2.00	0.00	1.00	0.00	7.56	20.47	2.00	0.00	1.00	0.00
7.58	20.36	2.00	0.00	1.00	0.00	7.60	20.63	2.00	0.00	1.00	0.00
7.62	21.26	2.00	0.00	1.00	0.00	7.64	22.12	2.00	0.00	1.00	0.00
7.66	22.06	2.00	0.00	1.00	0.00	7.68	21.37	2.00	0.00	1.00	0.00
7.70	20.57	2.00	0.00	1.00	0.00	7.72	20.73	2.00	0.00	1.00	0.00
7.74	20.56	2.00	0.00	1.00	0.00	7.76	20.49	2.00	0.00	1.00	0.00
7.78	20.47	2.00	0.00	1.00	0.00	7.80	20.37	2.00	0.00	1.00	0.00
7.82	20.35	2.00	0.00	1.00	0.00	7.84	20.95	2.00	0.00	1.00	0.00
7.86	20.60	2.00	0.00	1.00	0.00	7.88	20.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.90	21.70	2.00	0.00	1.00	0.00	7.92	21.93	2.00	0.00	1.00	0.00
7.94	21.53	2.00	0.00	1.00	0.00	7.96	20.42	2.00	0.00	1.00	0.00
7.98	19.55	2.00	0.00	1.00	0.00	8.00	18.95	2.00	0.00	1.00	0.00
8.02	18.53	2.00	0.00	1.00	0.00	8.04	17.99	2.00	0.00	1.00	0.00
8.06	17.71	2.00	0.00	1.00	0.00	8.08	17.65	2.00	0.00	1.00	0.00
8.10	17.92	2.00	0.00	1.00	0.00	8.12	18.29	2.00	0.00	1.00	0.00
8.14	18.49	2.00	0.00	1.00	0.00	8.16	17.82	2.00	0.00	1.00	0.00
8.18	17.07	2.00	0.00	1.00	0.00	8.20	16.76	2.00	0.00	1.00	0.00
8.22	17.06	2.00	0.00	1.00	0.00	8.24	17.54	2.00	0.00	1.00	0.00
8.26	17.95	2.00	0.00	1.00	0.00	8.28	18.11	2.00	0.00	1.00	0.00
8.30	18.05	2.00	0.00	1.00	0.00	8.32	18.20	2.00	0.00	1.00	0.00
8.34	18.83	2.00	0.00	1.00	0.00	8.36	18.88	2.00	0.00	1.00	0.00
8.38	18.71	2.00	0.00	1.00	0.00	8.40	18.68	2.00	0.00	1.00	0.00
8.42	18.20	2.00	0.00	1.00	0.00	8.44	17.94	2.00	0.00	1.00	0.00
8.46	17.37	2.00	0.00	1.00	0.00	8.48	17.03	2.00	0.00	1.00	0.00
8.50	17.02	2.00	0.00	1.00	0.00	8.52	17.06	2.00	0.00	1.00	0.00
8.54	16.97	2.00	0.00	1.00	0.00	8.56	17.10	2.00	0.00	1.00	0.00
8.58	17.36	2.00	0.00	1.00	0.00	8.60	17.48	2.00	0.00	1.00	0.00
8.62	17.52	2.00	0.00	1.00	0.00	8.64	17.12	2.00	0.00	1.00	0.00
8.66	16.99	2.00	0.00	1.00	0.00	8.68	16.44	2.00	0.00	1.00	0.00
8.70	15.90	2.00	0.00	1.00	0.00	8.72	15.35	2.00	0.00	1.00	0.00
8.74	15.05	2.00	0.00	1.00	0.00	8.76	14.64	2.00	0.00	1.00	0.00
8.78	14.60	2.00	0.00	1.00	0.00	8.80	14.33	2.00	0.00	1.00	0.00
8.82	14.24	2.00	0.00	1.00	0.00	8.84	14.23	2.00	0.00	1.00	0.00
8.86	14.83	2.00	0.00	1.00	0.00	8.88	14.89	2.00	0.00	1.00	0.00
8.90	14.60	2.00	0.00	1.00	0.00	8.92	14.31	2.00	0.00	1.00	0.00
8.94	13.78	2.00	0.00	1.00	0.00	8.96	12.85	2.00	0.00	1.00	0.00
8.98	12.36	2.00	0.00	1.00	0.00	9.00	11.93	2.00	0.00	1.00	0.00
9.02	11.53	2.00	0.00	1.00	0.00	9.04	11.60	2.00	0.00	1.00	0.00
9.06	11.55	2.00	0.00	1.00	0.00	9.08	11.68	2.00	0.00	1.00	0.00
9.10	11.64	2.00	0.00	1.00	0.00	9.12	12.15	2.00	0.00	1.00	0.00
9.14	12.35	2.00	0.00	1.00	0.00	9.16	12.90	2.00	0.00	1.00	0.00
9.18	13.75	2.00	0.00	1.00	0.00	9.20	13.91	2.00	0.00	1.00	0.00
9.22	14.10	2.00	0.00	1.00	0.00	9.24	13.99	2.00	0.00	1.00	0.00
9.26	13.54	2.00	0.00	1.00	0.00	9.28	13.36	2.00	0.00	1.00	0.00
9.30	12.69	2.00	0.00	1.00	0.00	9.32	12.55	2.00	0.00	1.00	0.00
9.34	12.64	2.00	0.00	1.00	0.00	9.36	13.22	2.00	0.00	1.00	0.00
9.38	12.94	2.00	0.00	1.00	0.00	9.40	12.73	2.00	0.00	1.00	0.00
9.42	12.71	2.00	0.00	1.00	0.00	9.44	12.50	2.00	0.00	1.00	0.00
9.46	12.32	2.00	0.00	1.00	0.00	9.48	12.07	2.00	0.00	1.00	0.00
9.50	11.93	2.00	0.00	1.00	0.00	9.52	11.92	2.00	0.00	1.00	0.00
9.54	11.57	2.00	0.00	1.00	0.00	9.56	11.39	2.00	0.00	1.00	0.00
9.58	11.21	2.00	0.00	1.00	0.00	9.60	11.68	2.00	0.00	1.00	0.00
9.62	11.92	2.00	0.00	1.00	0.00	9.64	12.24	2.00	0.00	1.00	0.00
9.66	11.97	2.00	0.00	1.00	0.00	9.68	11.86	2.00	0.00	1.00	0.00
9.70	11.98	2.00	0.00	1.00	0.00	9.72	12.11	2.00	0.00	1.00	0.00
9.74	12.71	2.00	0.00	1.00	0.00	9.76	13.24	2.00	0.00	1.00	0.00
9.78	13.77	2.00	0.00	1.00	0.00	9.80	13.32	2.00	0.00	1.00	0.00
9.82	13.08	2.00	0.00	1.00	0.00	9.84	12.49	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.86	13.56	2.00	0.00	1.00	0.00	9.88	13.52	2.00	0.00	1.00	0.00
9.90	13.28	2.00	0.00	1.00	0.00	9.92	12.99	2.00	0.00	1.00	0.00
9.94	12.52	2.00	0.00	1.00	0.00	9.96	12.40	2.00	0.00	1.00	0.00
9.98	12.22	2.00	0.00	1.00	0.00	10.00	12.58	2.00	0.00	1.00	0.00
10.02	12.94	2.00	0.00	1.00	0.00	10.04	13.26	2.00	0.00	1.00	0.00
10.06	13.35	2.00	0.00	1.00	0.00	10.08	13.13	2.00	0.00	1.00	0.00
10.10	13.39	2.00	0.00	1.00	0.00	10.12	13.41	2.00	0.00	1.00	0.00
10.14	13.49	2.00	0.00	1.00	0.00	10.16	13.28	2.00	0.00	1.00	0.00
10.18	12.97	2.00	0.00	1.00	0.00	10.20	12.46	2.00	0.00	1.00	0.00
10.22	11.94	2.00	0.00	1.00	0.00	10.24	11.57	2.00	0.00	1.00	0.00
10.26	11.06	2.00	0.00	1.00	0.00	10.28	10.81	2.00	0.00	1.00	0.00
10.30	10.87	2.00	0.00	1.00	0.00	10.32	10.76	2.00	0.00	1.00	0.00
10.34	10.95	2.00	0.00	1.00	0.00	10.36	11.46	2.00	0.00	1.00	0.00
10.38	11.81	2.00	0.00	1.00	0.00	10.40	11.70	2.00	0.00	1.00	0.00
10.42	11.79	2.00	0.00	1.00	0.00	10.44	12.07	2.00	0.00	1.00	0.00
10.46	12.62	2.00	0.00	1.00	0.00	10.48	12.94	2.00	0.00	1.00	0.00
10.50	13.58	2.00	0.00	1.00	0.00	10.52	14.48	2.00	0.00	1.00	0.00
10.54	15.81	2.00	0.00	1.00	0.00	10.56	18.85	2.00	0.00	1.00	0.00
10.58	21.39	2.00	0.00	1.00	0.00	10.60	21.11	2.00	0.00	1.00	0.00
10.62	19.77	2.00	0.00	1.00	0.00	10.64	17.66	2.00	0.00	1.00	0.00
10.66	16.69	2.00	0.00	1.00	0.00	10.68	16.41	2.00	0.00	1.00	0.00
10.70	16.14	2.00	0.00	1.00	0.00	10.72	15.99	2.00	0.00	1.00	0.00
10.74	15.42	2.00	0.00	1.00	0.00	10.76	14.62	2.00	0.00	1.00	0.00
10.78	14.60	2.00	0.00	1.00	0.00	10.80	14.94	2.00	0.00	1.00	0.00
10.82	16.32	2.00	0.00	1.00	0.00	10.84	16.31	2.00	0.00	1.00	0.00
10.86	18.47	2.00	0.00	1.00	0.00	10.88	17.91	2.00	0.00	1.00	0.00
10.90	17.86	2.00	0.00	1.00	0.00	10.92	17.10	2.00	0.00	1.00	0.00
10.94	16.24	2.00	0.00	1.00	0.00	10.96	15.94	2.00	0.00	1.00	0.00
10.98	15.90	2.00	0.00	1.00	0.00	11.00	16.07	2.00	0.00	1.00	0.00
11.02	16.64	2.00	0.00	1.00	0.00	11.04	17.03	2.00	0.00	1.00	0.00
11.06	17.15	2.00	0.00	1.00	0.00	11.08	16.61	2.00	0.00	1.00	0.00
11.10	16.30	2.00	0.00	1.00	0.00	11.12	16.29	2.00	0.00	1.00	0.00
11.14	15.76	2.00	0.00	1.00	0.00	11.16	15.03	2.00	0.00	1.00	0.00
11.18	14.41	2.00	0.00	1.00	0.00	11.20	13.95	2.00	0.00	1.00	0.00
11.22	13.64	2.00	0.00	1.00	0.00	11.24	13.05	2.00	0.00	1.00	0.00
11.26	12.75	2.00	0.00	1.00	0.00	11.28	12.28	2.00	0.00	1.00	0.00
11.30	11.86	2.00	0.00	1.00	0.00	11.32	11.71	2.00	0.00	1.00	0.00
11.34	11.73	2.00	0.00	1.00	0.00	11.36	11.58	2.00	0.00	1.00	0.00
11.38	11.63	2.00	0.00	1.00	0.00	11.40	11.90	2.00	0.00	1.00	0.00
11.42	11.88	2.00	0.00	1.00	0.00	11.44	11.62	2.00	0.00	1.00	0.00
11.46	11.66	2.00	0.00	1.00	0.00	11.48	11.53	2.00	0.00	1.00	0.00
11.50	11.39	2.00	0.00	1.00	0.00	11.52	10.81	2.00	0.00	1.00	0.00
11.54	10.48	2.00	0.00	1.00	0.00	11.56	10.00	2.00	0.00	1.00	0.00
11.58	9.86	2.00	0.00	1.00	0.00	11.60	9.85	2.00	0.00	1.00	0.00
11.62	9.87	2.00	0.00	1.00	0.00	11.64	9.86	2.00	0.00	1.00	0.00
11.66	10.07	2.00	0.00	1.00	0.00	11.68	9.94	2.00	0.00	1.00	0.00
11.70	10.02	2.00	0.00	1.00	0.00	11.72	9.89	2.00	0.00	1.00	0.00
11.74	10.00	2.00	0.00	1.00	0.00	11.76	9.82	2.00	0.00	1.00	0.00
11.78	9.49	2.00	0.00	1.00	0.00	11.80	9.49	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.82	9.73	2.00	0.00	1.00	0.00	11.84	9.72	2.00	0.00	1.00	0.00
11.86	10.46	2.00	0.00	1.00	0.00	11.88	15.62	2.00	0.00	1.00	0.00
11.90	15.67	2.00	0.00	1.00	0.00	11.92	14.11	2.00	0.00	1.00	0.00
11.94	13.13	2.00	0.00	1.00	0.00	11.96	12.46	2.00	0.00	1.00	0.00
11.98	12.49	2.00	0.00	1.00	0.00	12.00	13.35	2.00	0.00	1.00	0.00
12.02	14.30	2.00	0.00	1.00	0.00	12.04	13.64	2.00	0.00	1.00	0.00
12.06	12.77	2.00	0.00	1.00	0.00	12.08	12.48	2.00	0.00	1.00	0.00
12.10	11.85	2.00	0.00	1.00	0.00	12.12	11.47	2.00	0.00	1.00	0.00
12.14	11.22	2.00	0.00	1.00	0.00	12.16	10.75	2.00	0.00	1.00	0.00
12.18	10.62	2.00	0.00	1.00	0.00	12.20	10.52	2.00	0.00	1.00	0.00
12.22	10.39	2.00	0.00	1.00	0.00	12.24	10.38	2.00	0.00	1.00	0.00
12.26	10.38	2.00	0.00	1.00	0.00	12.28	10.37	2.00	0.00	1.00	0.00
12.30	10.45	2.00	0.00	1.00	0.00	12.32	11.06	2.00	0.00	1.00	0.00
12.34	10.78	2.00	0.00	1.00	0.00	12.36	10.31	2.00	0.00	1.00	0.00
12.38	10.46	2.00	0.00	1.00	0.00	12.40	10.76	2.00	0.00	1.00	0.00
12.42	10.57	2.00	0.00	1.00	0.00	12.44	10.38	2.00	0.00	1.00	0.00
12.46	10.25	2.00	0.00	1.00	0.00	12.48	9.74	2.00	0.00	1.00	0.00
12.50	9.40	2.00	0.00	1.00	0.00	12.52	9.37	2.00	0.00	1.00	0.00
12.54	9.90	2.00	0.00	1.00	0.00	12.56	10.05	2.00	0.00	1.00	0.00
12.58	9.99	2.00	0.00	1.00	0.00	12.60	9.95	2.00	0.00	1.00	0.00
12.62	10.28	2.00	0.00	1.00	0.00	12.64	9.94	2.00	0.00	1.00	0.00
12.66	9.61	2.00	0.00	1.00	0.00	12.68	9.39	2.00	0.00	1.00	0.00
12.70	8.94	2.00	0.00	1.00	0.00	12.72	9.09	2.00	0.00	1.00	0.00
12.74	9.41	2.00	0.00	1.00	0.00	12.76	10.19	2.00	0.00	1.00	0.00
12.78	12.45	2.00	0.00	1.00	0.00	12.80	13.56	2.00	0.00	1.00	0.00
12.82	12.86	2.00	0.00	1.00	0.00	12.84	10.71	2.00	0.00	1.00	0.00
12.86	14.27	2.00	0.00	1.00	0.00	12.88	12.57	2.00	0.00	1.00	0.00
12.90	11.75	2.00	0.00	1.00	0.00	12.92	12.65	2.00	0.00	1.00	0.00
12.94	13.10	2.00	0.00	1.00	0.00	12.96	13.32	2.00	0.00	1.00	0.00
12.98	12.44	2.00	0.00	1.00	0.00	13.00	12.28	2.00	0.00	1.00	0.00
13.02	11.92	2.00	0.00	1.00	0.00	13.04	11.79	2.00	0.00	1.00	0.00
13.06	11.29	2.00	0.00	1.00	0.00	13.08	11.05	2.00	0.00	1.00	0.00
13.10	10.48	2.00	0.00	1.00	0.00	13.12	10.02	2.00	0.00	1.00	0.00
13.14	9.48	2.00	0.00	1.00	0.00	13.16	8.91	2.00	0.00	1.00	0.00
13.18	8.73	2.00	0.00	1.00	0.00	13.20	9.75	2.00	0.00	1.00	0.00
13.22	10.40	2.00	0.00	1.00	0.00	13.24	10.16	2.00	0.00	1.00	0.00
13.26	9.85	2.00	0.00	1.00	0.00	13.28	10.35	2.00	0.00	1.00	0.00
13.30	13.16	2.00	0.00	1.00	0.00	13.32	12.20	2.00	0.00	1.00	0.00
13.34	10.12	2.00	0.00	1.00	0.00	13.36	8.98	2.00	0.00	1.00	0.00
13.38	9.54	2.00	0.00	1.00	0.00	13.40	11.39	2.00	0.00	1.00	0.00
13.42	11.89	2.00	0.00	1.00	0.00	13.44	11.32	2.00	0.00	1.00	0.00
13.46	11.01	2.00	0.00	1.00	0.00	13.48	10.27	2.00	0.00	1.00	0.00
13.50	9.23	2.00	0.00	1.00	0.00	13.52	10.55	2.00	0.00	1.00	0.00
13.54	11.58	2.00	0.00	1.00	0.00	13.56	12.72	2.00	0.00	1.00	0.00
13.58	10.88	2.00	0.00	1.00	0.00	13.60	9.73	2.00	0.00	1.00	0.00
13.62	8.58	2.00	0.00	1.00	0.00	13.64	8.64	2.00	0.00	1.00	0.00
13.66	12.08	2.00	0.00	1.00	0.00	13.68	17.79	2.00	0.00	1.00	0.00
13.70	19.93	2.00	0.00	1.00	0.00	13.72	20.10	2.00	0.00	1.00	0.00
13.74	17.46	2.00	0.00	1.00	0.00	13.76	12.55	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.78	9.20	2.00	0.00	1.00	0.00	13.80	7.43	2.00	0.00	1.00	0.00
13.82	6.59	2.00	0.00	1.00	0.00	13.84	6.58	2.00	0.00	1.00	0.00
13.86	8.25	2.00	0.00	1.00	0.00	13.88	8.31	2.00	0.00	1.00	0.00
13.90	8.22	2.00	0.00	1.00	0.00	13.92	8.35	2.00	0.00	1.00	0.00
13.94	8.89	2.00	0.00	1.00	0.00	13.96	9.79	2.00	0.00	1.00	0.00
13.98	10.66	2.00	0.00	1.00	0.00	14.00	10.41	2.00	0.00	1.00	0.00
14.02	11.36	2.00	0.00	1.00	0.00	14.04	11.56	2.00	0.00	1.00	0.00
14.06	11.00	2.00	0.00	1.00	0.00	14.08	11.20	2.00	0.00	1.00	0.00
14.10	11.74	2.00	0.00	1.00	0.00	14.12	12.49	2.00	0.00	1.00	0.00
14.14	12.89	2.00	0.00	1.00	0.00	14.16	13.81	2.00	0.00	1.00	0.00
14.18	13.68	2.00	0.00	1.00	0.00	14.20	13.67	2.00	0.00	1.00	0.00
14.22	14.62	2.00	0.00	1.00	0.00	14.24	14.66	2.00	0.00	1.00	0.00
14.26	15.35	2.00	0.00	1.00	0.00	14.28	15.68	2.00	0.00	1.00	0.00
14.30	15.90	2.00	0.00	1.00	0.00	14.32	15.77	2.00	0.00	1.00	0.00
14.34	15.70	2.00	0.00	1.00	0.00	14.36	16.58	2.00	0.00	1.00	0.00
14.38	17.09	2.00	0.00	1.00	0.00	14.40	17.57	2.00	0.00	1.00	0.00
14.42	17.97	2.00	0.00	1.00	0.00	14.44	18.04	2.00	0.00	1.00	0.00
14.46	19.24	2.00	0.00	1.00	0.00	14.48	19.57	2.00	0.00	1.00	0.00
14.50	19.81	2.00	0.00	1.00	0.00	14.52	20.44	2.00	0.00	1.00	0.00
14.54	21.09	2.00	0.00	1.00	0.00	14.56	21.18	2.00	0.00	1.00	0.00
14.58	20.93	2.00	0.00	1.00	0.00	14.60	20.06	2.00	0.00	1.00	0.00
14.62	19.06	2.00	0.00	1.00	0.00	14.64	18.28	2.00	0.00	1.00	0.00
14.66	18.37	2.00	0.00	1.00	0.00	14.68	18.21	2.00	0.00	1.00	0.00
14.70	18.56	2.00	0.00	1.00	0.00	14.72	18.28	2.00	0.00	1.00	0.00
14.74	18.35	2.00	0.00	1.00	0.00	14.76	18.64	2.00	0.00	1.00	0.00
14.78	18.88	2.00	0.00	1.00	0.00	14.80	18.34	2.00	0.00	1.00	0.00
14.82	18.00	2.00	0.00	1.00	0.00	14.84	18.09	2.00	0.00	1.00	0.00
14.86	14.37	2.00	0.00	1.00	0.00	14.88	18.13	2.00	0.00	1.00	0.00
14.90	17.72	2.00	0.00	1.00	0.00	14.92	17.31	2.00	0.00	1.00	0.00
14.94	17.43	2.00	0.00	1.00	0.00	14.96	17.48	2.00	0.00	1.00	0.00
14.98	18.04	2.00	0.00	1.00	0.00	15.00	18.36	2.00	0.00	1.00	0.00
15.02	17.75	2.00	0.00	1.00	0.00	15.04	17.33	2.00	0.00	1.00	0.00
15.06	17.54	2.00	0.00	1.00	0.00	15.08	17.24	2.00	0.00	1.00	0.00
15.10	16.37	2.00	0.00	1.00	0.00	15.12	16.30	2.00	0.00	1.00	0.00
15.14	15.95	2.00	0.00	1.00	0.00	15.16	15.28	2.00	0.00	1.00	0.00
15.18	14.67	2.00	0.00	1.00	0.00	15.20	14.68	2.00	0.00	1.00	0.00
15.22	14.64	2.00	0.00	1.00	0.00	15.24	14.63	2.00	0.00	1.00	0.00
15.26	14.36	2.00	0.00	1.00	0.00	15.28	14.18	2.00	0.00	1.00	0.00
15.30	13.60	2.00	0.00	1.00	0.00	15.32	13.29	2.00	0.00	1.00	0.00
15.34	13.21	2.00	0.00	1.00	0.00	15.36	13.15	2.00	0.00	1.00	0.00
15.38	13.11	2.00	0.00	1.00	0.00	15.40	13.29	2.00	0.00	1.00	0.00
15.42	13.40	2.00	0.00	1.00	0.00	15.44	13.30	2.00	0.00	1.00	0.00
15.46	12.95	2.00	0.00	1.00	0.00	15.48	12.66	2.00	0.00	1.00	0.00
15.50	12.35	2.00	0.00	1.00	0.00	15.52	12.31	2.00	0.00	1.00	0.00
15.54	12.30	2.00	0.00	1.00	0.00	15.56	12.71	2.00	0.00	1.00	0.00
15.58	13.12	2.00	0.00	1.00	0.00	15.60	13.24	2.00	0.00	1.00	0.00
15.62	13.40	2.00	0.00	1.00	0.00	15.64	13.62	2.00	0.00	1.00	0.00
15.66	13.50	2.00	0.00	1.00	0.00	15.68	13.15	2.00	0.00	1.00	0.00
15.70	12.95	2.00	0.00	1.00	0.00	15.72	12.45	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.74	11.39	2.00	0.00	1.00	0.00	15.76	10.48	2.00	0.00	1.00	0.00
15.78	9.92	2.00	0.00	1.00	0.00	15.80	8.96	2.00	0.00	1.00	0.00
15.82	8.15	2.00	0.00	1.00	0.00	15.84	8.25	2.00	0.00	1.00	0.00
15.86	8.24	2.00	0.00	1.00	0.00	15.88	10.12	2.00	0.00	1.00	0.00
15.90	8.95	2.00	0.00	1.00	0.00	15.92	8.59	2.00	0.00	1.00	0.00
15.94	8.50	2.00	0.00	1.00	0.00	15.96	8.23	2.00	0.00	1.00	0.00
15.98	7.99	2.00	0.00	1.00	0.00	16.00	7.72	2.00	0.00	1.00	0.00
16.02	8.15	2.00	0.00	1.00	0.00	16.04	9.04	2.00	0.00	1.00	0.00
16.06	9.23	2.00	0.00	1.00	0.00	16.08	8.82	2.00	0.00	1.00	0.00
16.10	8.52	2.00	0.00	1.00	0.00	16.12	8.38	2.00	0.00	1.00	0.00
16.14	8.14	2.00	0.00	1.00	0.00	16.16	8.14	2.00	0.00	1.00	0.00
16.18	8.14	2.00	0.00	1.00	0.00	16.20	10.32	2.00	0.00	1.00	0.00
16.22	11.51	2.00	0.00	1.00	0.00	16.24	11.95	2.00	0.00	1.00	0.00
16.26	11.95	2.00	0.00	1.00	0.00	16.28	11.91	2.00	0.00	1.00	0.00
16.30	11.90	2.00	0.00	1.00	0.00	16.32	10.35	2.00	0.00	1.00	0.00
16.34	10.86	2.00	0.00	1.00	0.00	16.36	11.21	2.00	0.00	1.00	0.00
16.38	11.42	2.00	0.00	1.00	0.00	16.40	11.51	2.00	0.00	1.00	0.00
16.42	11.96	2.00	0.00	1.00	0.00	16.44	12.03	2.00	0.00	1.00	0.00
16.46	12.21	2.00	0.00	1.00	0.00	16.48	12.10	2.00	0.00	1.00	0.00
16.50	12.17	2.00	0.00	1.00	0.00	16.52	12.67	2.00	0.00	1.00	0.00
16.54	12.81	2.00	0.00	1.00	0.00	16.56	12.70	2.00	0.00	1.00	0.00
16.58	12.87	2.00	0.00	1.00	0.00	16.60	12.75	2.00	0.00	1.00	0.00
16.62	12.79	2.00	0.00	1.00	0.00	16.64	12.75	2.00	0.00	1.00	0.00
16.66	12.55	2.00	0.00	1.00	0.00	16.68	12.24	2.00	0.00	1.00	0.00
16.70	11.85	2.00	0.00	1.00	0.00	16.72	11.56	2.00	0.00	1.00	0.00
16.74	11.29	2.00	0.00	1.00	0.00	16.76	11.06	2.00	0.00	1.00	0.00
16.78	10.91	2.00	0.00	1.00	0.00	16.80	10.60	2.00	0.00	1.00	0.00
16.82	10.10	2.00	0.00	1.00	0.00	16.84	10.52	2.00	0.00	1.00	0.00
16.86	10.61	2.00	0.00	1.00	0.00	16.88	5.53	2.00	0.00	1.00	0.00
16.90	10.92	2.00	0.00	1.00	0.00	16.92	11.16	2.00	0.00	1.00	0.00
16.94	10.89	2.00	0.00	1.00	0.00	16.96	10.51	2.00	0.00	1.00	0.00
16.98	10.53	2.00	0.00	1.00	0.00	17.00	10.12	2.00	0.00	1.00	0.00
17.02	9.82	2.00	0.00	1.00	0.00	17.04	9.82	2.00	0.00	1.00	0.00
17.06	9.81	2.00	0.00	1.00	0.00	17.08	9.59	2.00	0.00	1.00	0.00
17.10	9.53	2.00	0.00	1.00	0.00	17.12	9.57	2.00	0.00	1.00	0.00
17.14	9.33	2.00	0.00	1.00	0.00	17.16	9.22	2.00	0.00	1.00	0.00
17.18	9.09	2.00	0.00	1.00	0.00	17.20	8.79	2.00	0.00	1.00	0.00
17.22	8.62	2.00	0.00	1.00	0.00	17.24	8.10	2.00	0.00	1.00	0.00
17.26	7.94	2.00	0.00	1.00	0.00	17.28	7.81	2.00	0.00	1.00	0.00
17.30	7.80	2.00	0.00	1.00	0.00	17.32	7.85	2.00	0.00	1.00	0.00
17.34	7.35	2.00	0.00	1.00	0.00	17.36	7.20	2.00	0.00	1.00	0.00
17.38	7.12	2.00	0.00	1.00	0.00	17.40	7.22	2.00	0.00	1.00	0.00
17.42	7.47	2.00	0.00	1.00	0.00	17.44	7.65	2.00	0.00	1.00	0.00
17.46	7.93	2.00	0.00	1.00	0.00	17.48	8.03	2.00	0.00	1.00	0.00
17.50	8.34	2.00	0.00	1.00	0.00	17.52	8.83	2.00	0.00	1.00	0.00
17.54	9.33	2.00	0.00	1.00	0.00	17.56	10.37	2.00	0.00	1.00	0.00
17.58	11.08	2.00	0.00	1.00	0.00	17.60	11.42	2.00	0.00	1.00	0.00
17.62	12.12	2.00	0.00	1.00	0.00	17.64	13.38	2.00	0.00	1.00	0.00
17.66	14.14	2.00	0.00	1.00	0.00	17.68	14.51	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.70	15.11	2.00	0.00	1.00	0.00	17.72	15.46	2.00	0.00	1.00	0.00
17.74	15.90	2.00	0.00	1.00	0.00	17.76	16.20	2.00	0.00	1.00	0.00
17.78	16.58	2.00	0.00	1.00	0.00	17.80	17.10	2.00	0.00	1.00	0.00
17.82	17.30	2.00	0.00	1.00	0.00	17.84	17.63	2.00	0.00	1.00	0.00
17.86	17.17	2.00	0.00	1.00	0.00	17.88	9.40	2.00	0.00	1.00	0.00
17.90	16.24	2.00	0.00	1.00	0.00	17.92	15.83	2.00	0.00	1.00	0.00
17.94	15.30	2.00	0.00	1.00	0.00	17.96	14.49	2.00	0.00	1.00	0.00
17.98	14.33	2.00	0.00	1.00	0.00	18.00	14.18	2.00	0.00	1.00	0.00
18.02	13.93	2.00	0.00	1.00	0.00	18.04	13.68	2.00	0.00	1.00	0.00
18.06	14.01	2.00	0.00	1.00	0.00	18.08	13.96	2.00	0.00	1.00	0.00
18.10	14.23	2.00	0.00	1.00	0.00	18.12	14.48	2.00	0.00	1.00	0.00
18.14	14.25	2.00	0.00	1.00	0.00	18.16	14.55	2.00	0.00	1.00	0.00
18.18	14.75	2.00	0.00	1.00	0.00	18.20	14.97	2.00	0.00	1.00	0.00
18.22	15.63	2.00	0.00	1.00	0.00	18.24	16.12	2.00	0.00	1.00	0.00
18.26	16.42	2.00	0.00	1.00	0.00	18.28	16.56	2.00	0.00	1.00	0.00
18.30	16.52	2.00	0.00	1.00	0.00	18.32	16.56	2.00	0.00	1.00	0.00
18.34	16.96	2.00	0.00	1.00	0.00	18.36	16.79	2.00	0.00	1.00	0.00
18.38	16.59	2.00	0.00	1.00	0.00	18.40	16.71	2.00	0.00	1.00	0.00
18.42	16.98	2.00	0.00	1.00	0.00	18.44	16.83	2.00	0.00	1.00	0.00
18.46	16.27	2.00	0.00	1.00	0.00	18.48	15.42	2.00	0.00	1.00	0.00
18.50	15.18	2.00	0.00	1.00	0.00	18.52	14.77	2.00	0.00	1.00	0.00
18.54	14.70	2.00	0.00	1.00	0.00	18.56	14.66	2.00	0.00	1.00	0.00
18.58	14.52	2.00	0.00	1.00	0.00	18.60	14.33	2.00	0.00	1.00	0.00
18.62	14.49	2.00	0.00	1.00	0.00	18.64	14.63	2.00	0.00	1.00	0.00
18.66	14.70	2.00	0.00	1.00	0.00	18.68	14.32	2.00	0.00	1.00	0.00
18.70	14.11	2.00	0.00	1.00	0.00	18.72	13.77	2.00	0.00	1.00	0.00
18.74	13.76	2.00	0.00	1.00	0.00	18.76	13.75	2.00	0.00	1.00	0.00
18.78	13.74	2.00	0.00	1.00	0.00	18.80	11.90	2.00	0.00	1.00	0.00
18.82	11.77	2.00	0.00	1.00	0.00	18.84	11.69	2.00	0.00	1.00	0.00
18.86	11.71	2.00	0.00	1.00	0.00	18.88	11.70	2.00	0.00	1.00	0.00
18.90	11.48	2.00	0.00	1.00	0.00	18.92	11.73	2.00	0.00	1.00	0.00
18.94	11.52	2.00	0.00	1.00	0.00	18.96	11.19	2.00	0.00	1.00	0.00
18.98	11.00	2.00	0.00	1.00	0.00	19.00	10.74	2.00	0.00	1.00	0.00
19.02	10.55	2.00	0.00	1.00	0.00	19.04	10.22	2.00	0.00	1.00	0.00
19.06	9.91	2.00	0.00	1.00	0.00	19.08	9.66	2.00	0.00	1.00	0.00
19.10	9.37	2.00	0.00	1.00	0.00	19.12	9.21	2.00	0.00	1.00	0.00
19.14	9.01	2.00	0.00	1.00	0.00	19.16	8.75	2.00	0.00	1.00	0.00
19.18	8.74	2.00	0.00	1.00	0.00	19.20	8.57	2.00	0.00	1.00	0.00
19.22	8.46	2.00	0.00	1.00	0.00	19.24	8.41	2.00	0.00	1.00	0.00
19.26	8.45	2.00	0.00	1.00	0.00	19.28	8.59	2.00	0.00	1.00	0.00
19.30	8.79	2.00	0.00	1.00	0.00	19.32	9.10	2.00	0.00	1.00	0.00
19.34	9.45	2.00	0.00	1.00	0.00	19.36	9.85	2.00	0.00	1.00	0.00
19.38	10.34	2.00	0.00	1.00	0.00	19.40	10.53	2.00	0.00	1.00	0.00
19.42	11.08	2.00	0.00	1.00	0.00	19.44	11.27	2.00	0.00	1.00	0.00
19.46	11.76	2.00	0.00	1.00	0.00	19.48	11.76	2.00	0.00	1.00	0.00
19.50	11.80	2.00	0.00	1.00	0.00	19.52	12.75	2.00	0.00	1.00	0.00
19.54	12.77	2.00	0.00	1.00	0.00	19.56	12.71	2.00	0.00	1.00	0.00
19.58	12.63	2.00	0.00	1.00	0.00	19.60	12.77	2.00	0.00	1.00	0.00
19.62	12.96	2.00	0.00	1.00	0.00	19.64	13.05	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.66	13.61	2.00	0.00	1.00	0.00	19.68	13.95	2.00	0.00	1.00	0.00
19.70	14.40	2.00	0.00	1.00	0.00	19.72	15.16	2.00	0.00	1.00	0.00
19.74	15.61	2.00	0.00	1.00	0.00	19.76	15.52	2.00	0.00	1.00	0.00
19.78	15.41	2.00	0.00	1.00	0.00	19.80	15.17	2.00	0.00	1.00	0.00
19.82	14.82	2.00	0.00	1.00	0.00	19.84	14.44	2.00	0.00	1.00	0.00
19.86	7.39	2.00	0.00	1.00	0.00	19.88	12.45	2.00	0.00	1.00	0.00
19.90	13.66	2.00	0.00	1.00	0.00	19.92	13.35	2.00	0.00	1.00	0.00
19.94	13.12	2.00	0.00	1.00	0.00	19.96	12.89	2.00	0.00	1.00	0.00
19.98	12.65	2.00	0.00	1.00	0.00	20.00	12.42	2.00	0.00	1.00	0.00

Total estimated settlement: 0.00

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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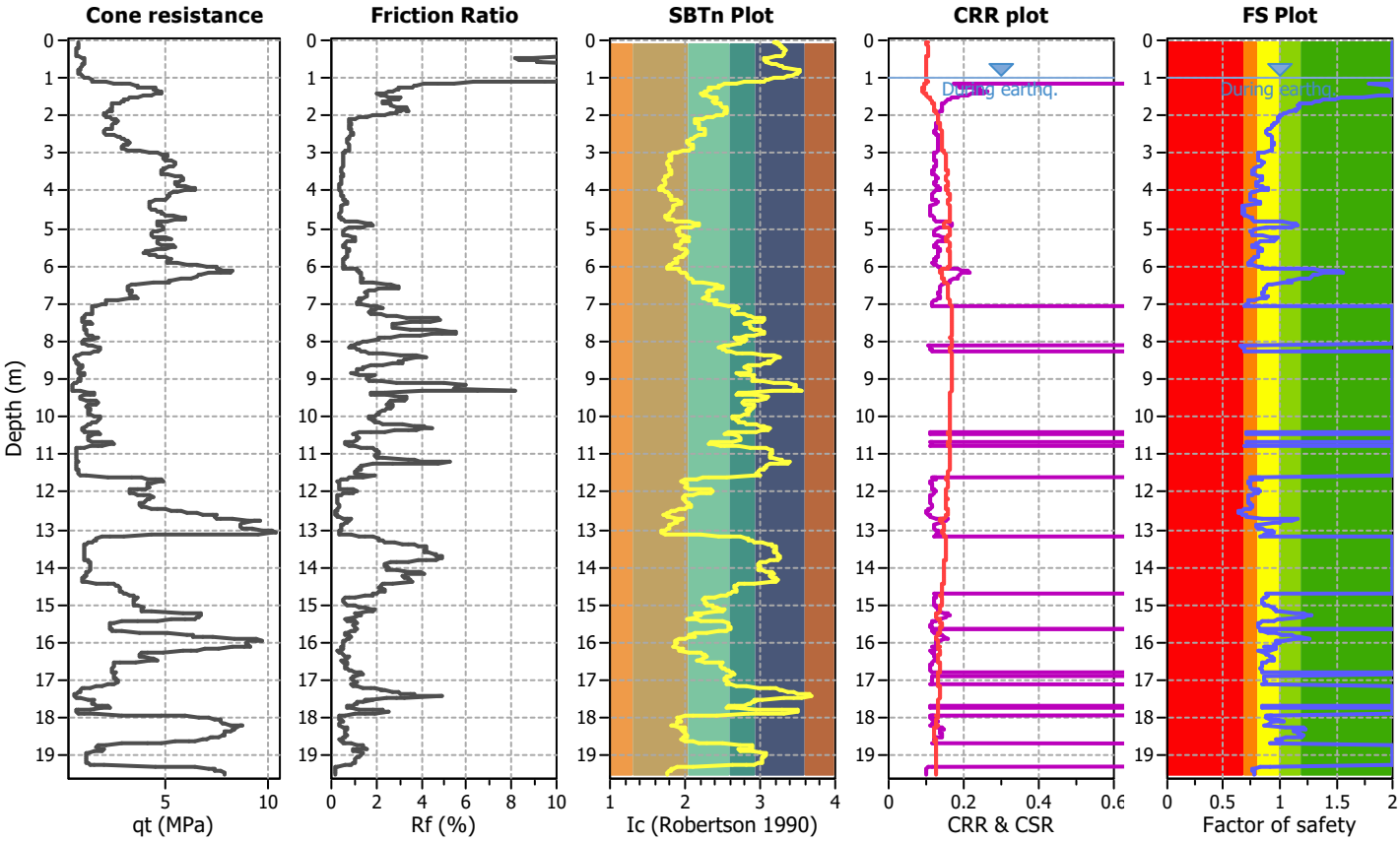
LIQUEFACTION ANALYSIS REPORT

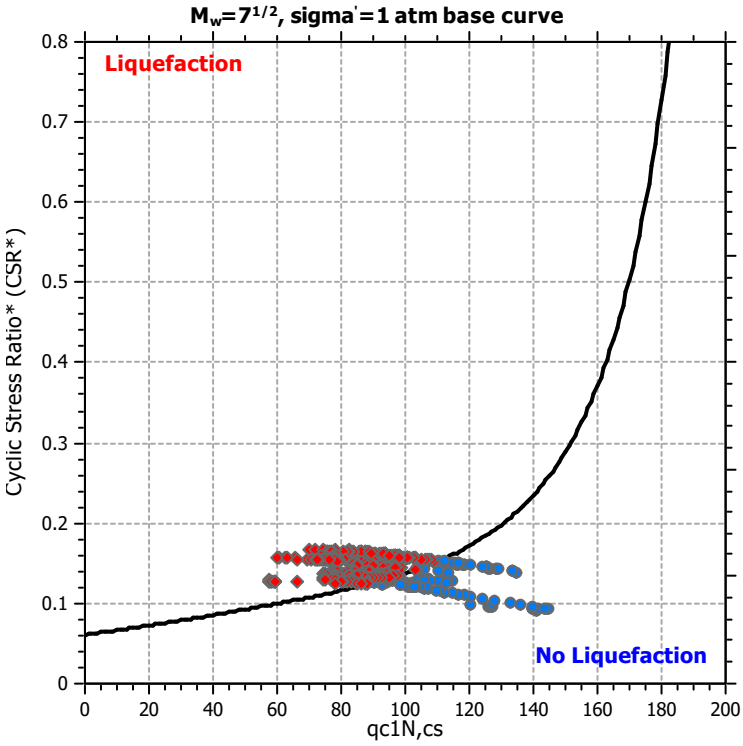
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

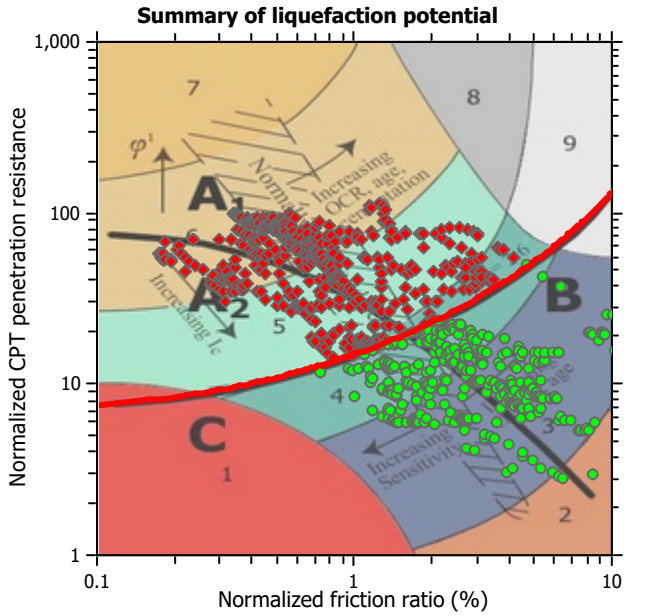
CPT file : P303- CPTu-9

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

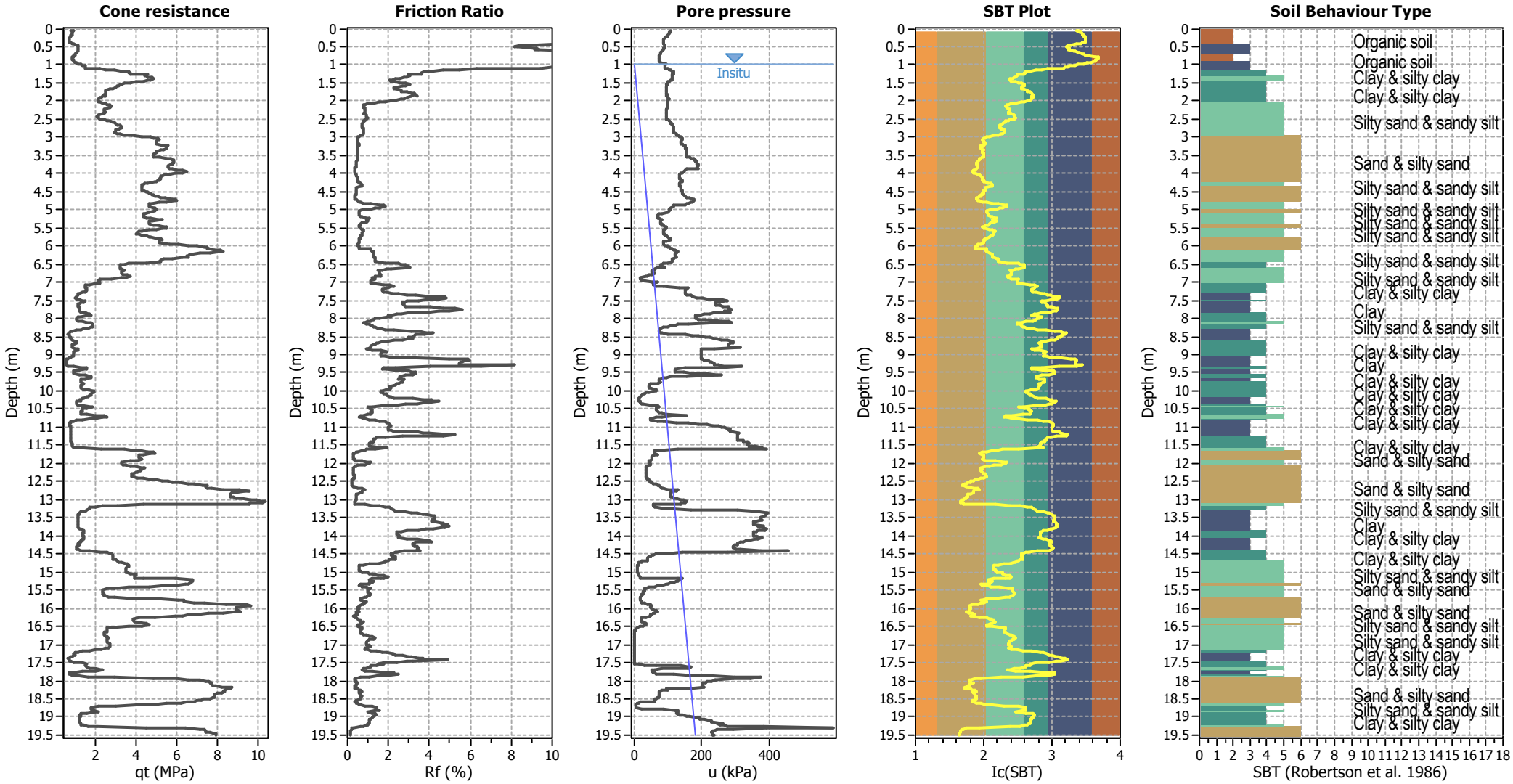






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



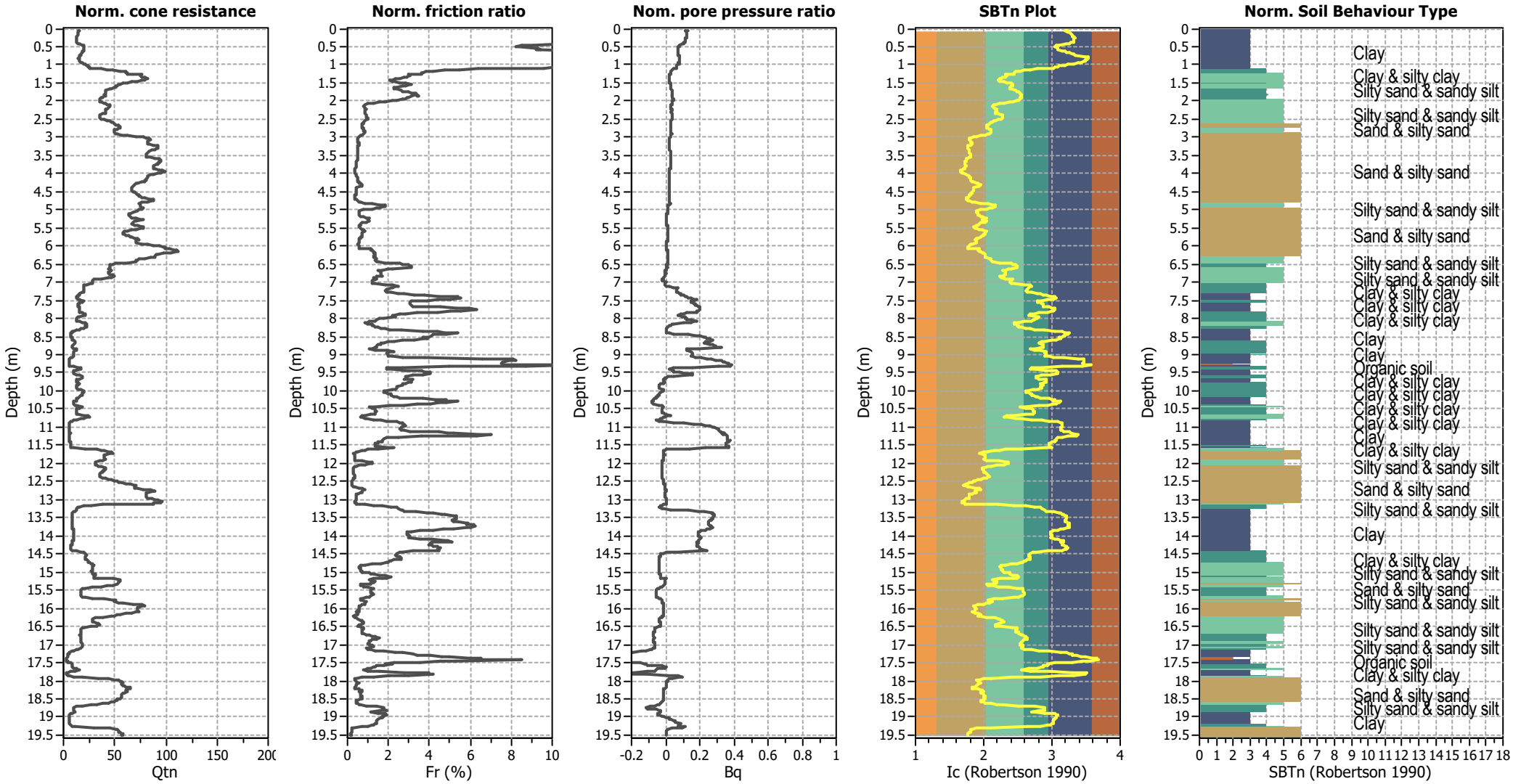
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



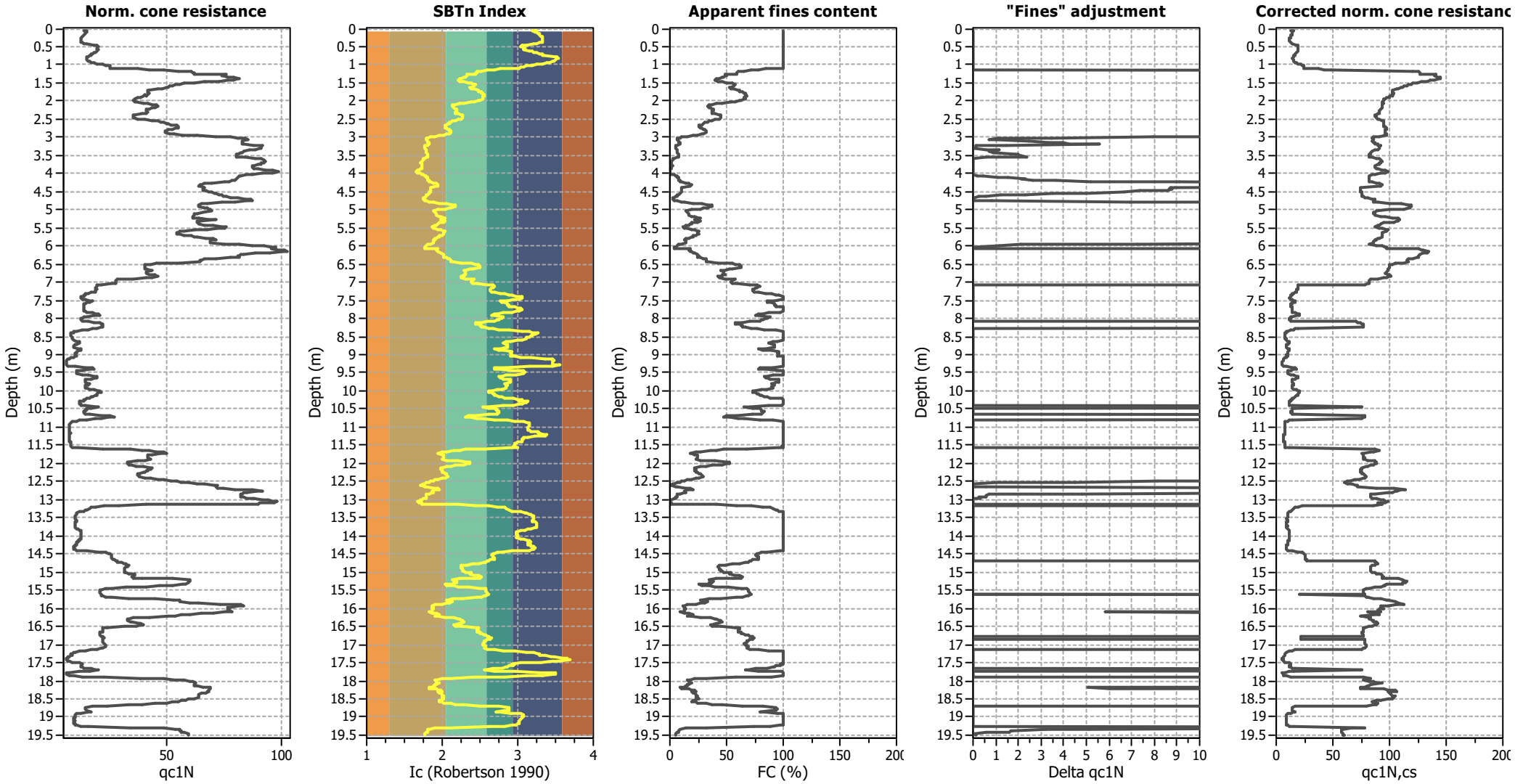
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty clay
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

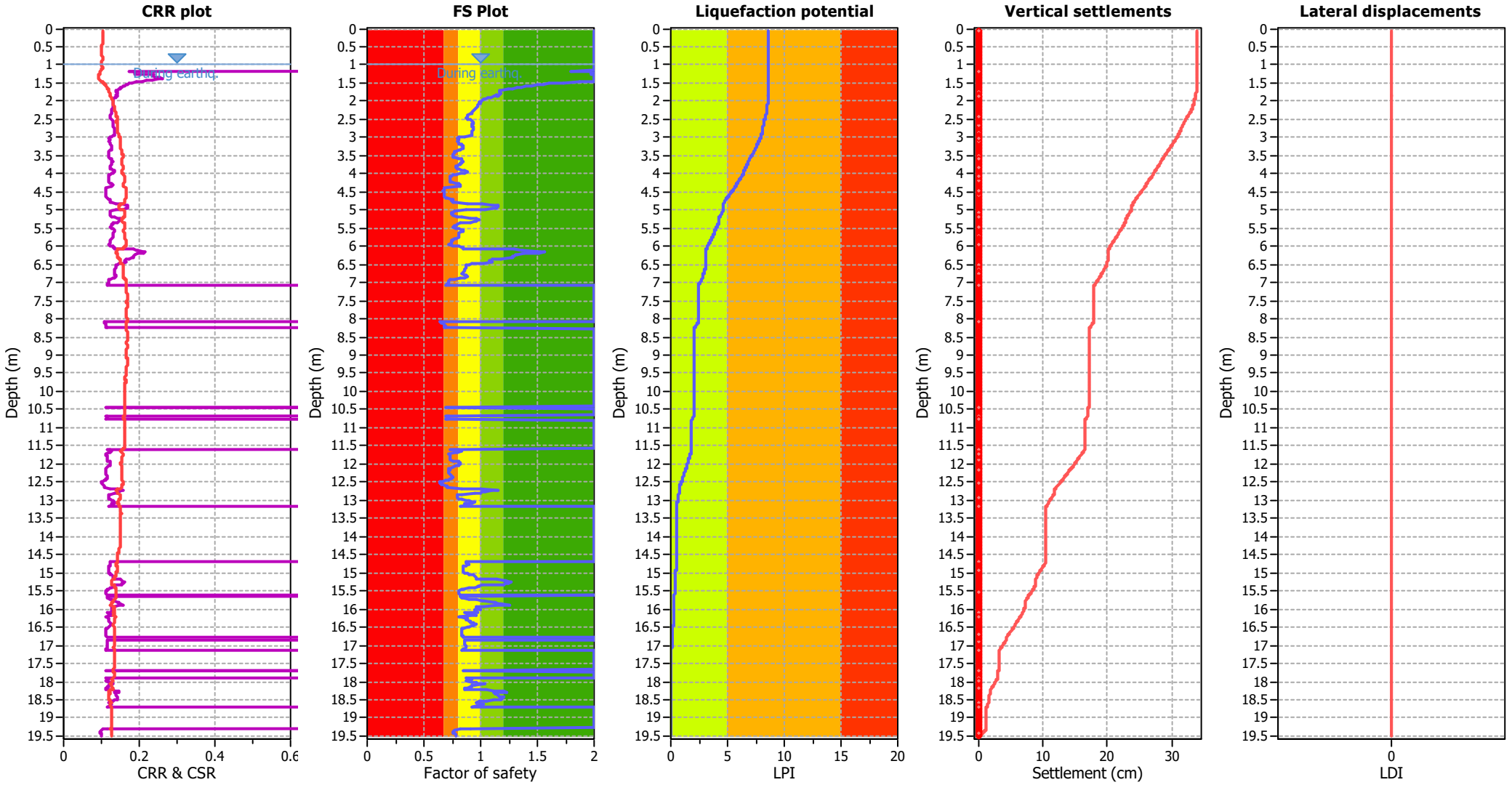
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

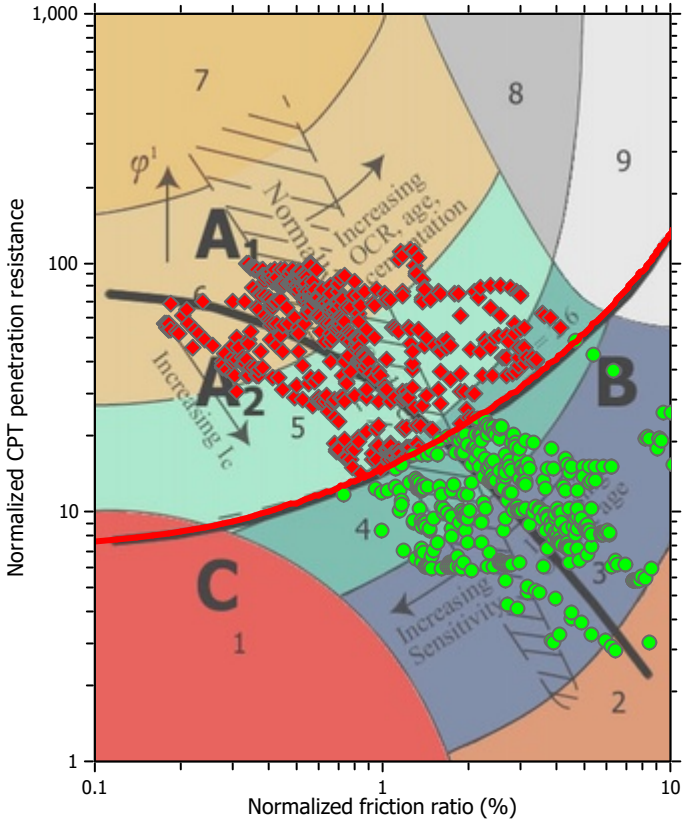
F.S. color scheme

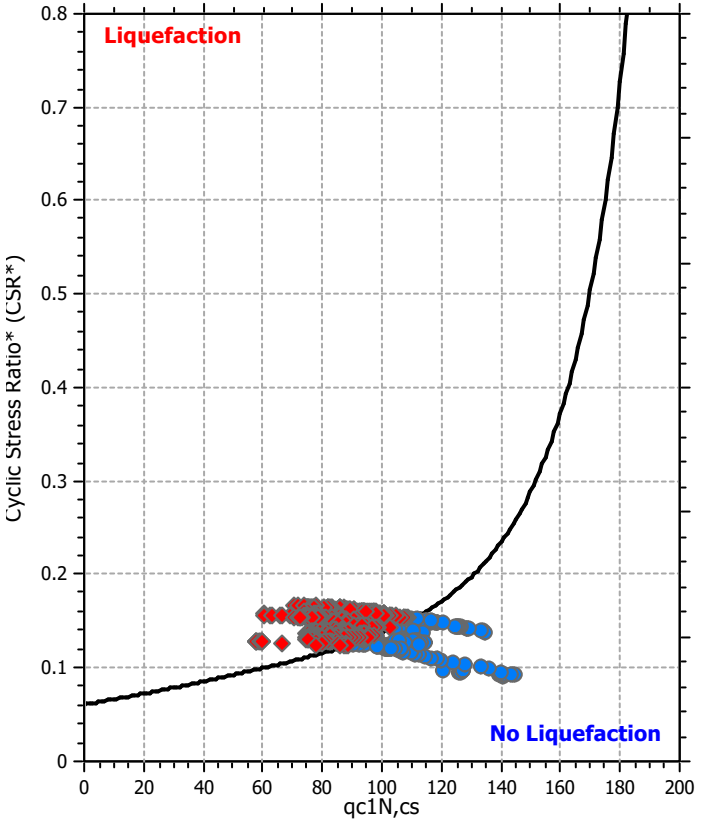
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

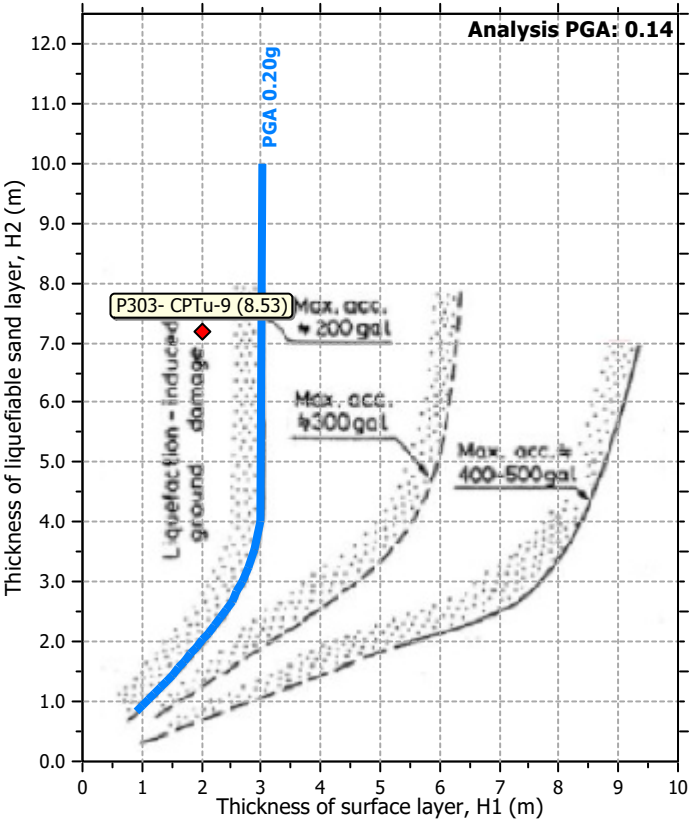
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



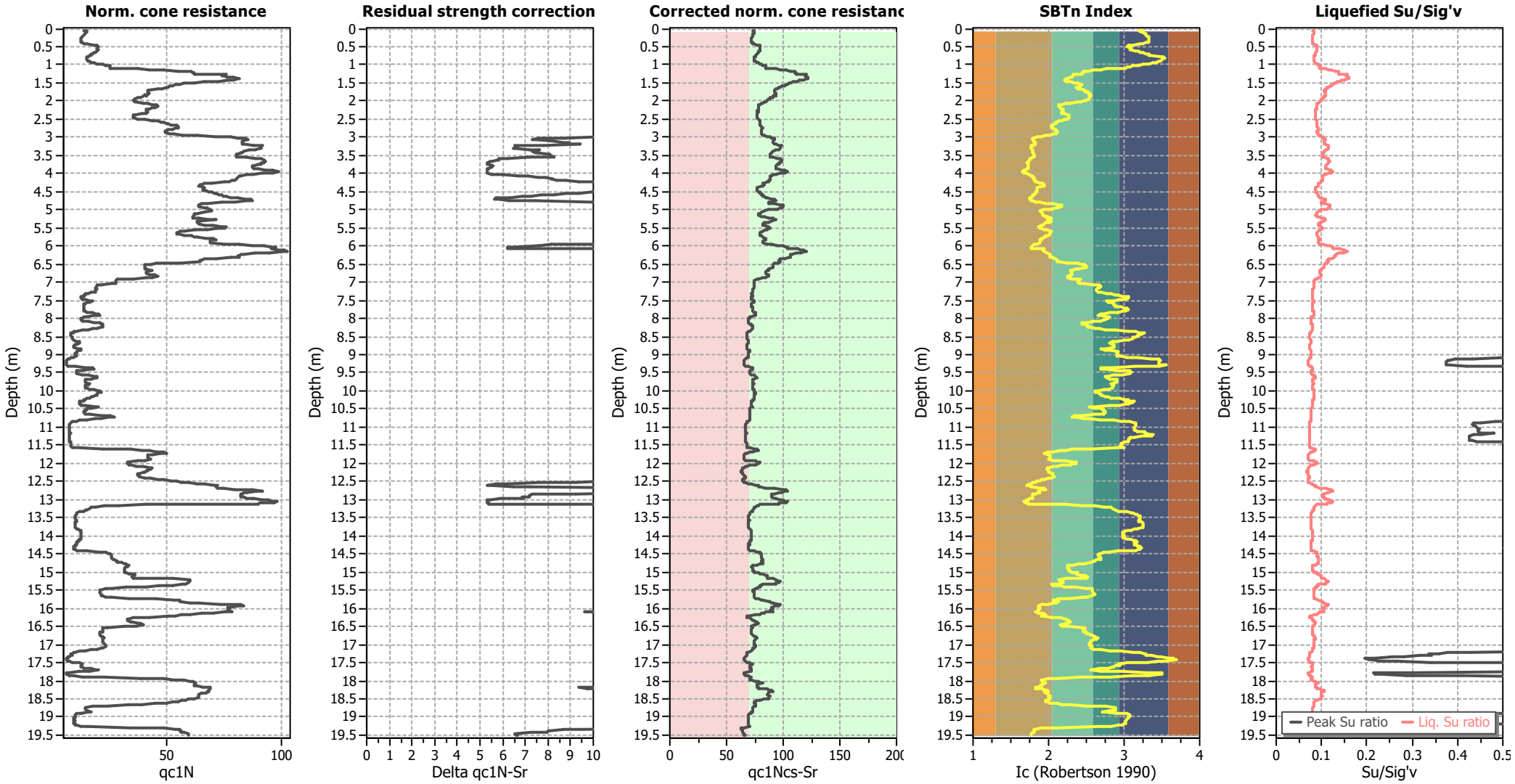




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	1.79	0.00	0.00	0.02	0.00	1.20	1.97	0.00	0.00	0.02	0.00
1.22	1.98	0.00	0.00	0.02	0.00	1.24	1.99	0.00	0.00	0.02	0.00
1.26	1.98	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	1.87	0.00	0.00	0.02	0.00
1.50	1.73	0.00	0.00	0.02	0.00	1.52	1.61	0.00	0.00	0.02	0.00
1.54	1.55	0.00	0.00	0.02	0.00	1.56	1.50	0.00	0.00	0.02	0.00
1.58	1.44	0.00	0.00	0.02	0.00	1.60	1.39	0.00	0.00	0.02	0.00
1.62	1.36	0.00	0.00	0.02	0.00	1.64	1.32	0.00	0.00	0.02	0.00
1.66	1.28	0.00	0.00	0.02	0.00	1.68	1.24	0.00	0.00	0.02	0.00
1.70	1.18	0.00	0.00	0.02	0.00	1.72	1.17	0.00	0.00	0.02	0.00
1.74	1.16	0.00	0.00	0.02	0.00	1.76	1.17	0.00	0.00	0.02	0.00
1.78	1.17	0.00	0.00	0.02	0.00	1.80	1.18	0.00	0.00	0.02	0.00
1.87	1.15	0.00	0.00	0.07	0.00	1.87	1.14	0.00	0.00	0.00	0.00
1.82	1.14	0.00	0.00	0.05	0.00	1.88	1.11	0.00	0.00	0.06	0.00
1.90	1.09	0.00	0.00	0.02	0.00	1.92	1.06	0.00	0.00	0.02	0.00
1.94	1.04	0.00	0.00	0.02	0.00	1.96	1.03	0.00	0.00	0.02	0.00
1.98	1.01	0.00	0.00	0.02	0.00	2.00	1.01	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.02	1.00	0.00	0.00	0.02	0.00	2.04	0.99	0.00	0.00	0.02	0.00
2.06	1.00	0.00	0.00	0.02	0.00	2.08	0.99	0.00	0.00	0.02	0.00
2.10	0.98	0.00	0.00	0.02	0.00	2.12	0.98	0.00	0.00	0.02	0.00
2.14	0.98	0.00	0.00	0.02	0.00	2.16	0.97	0.00	0.00	0.02	0.00
2.18	0.97	0.00	0.00	0.02	0.01	2.20	0.96	0.00	0.00	0.02	0.01
2.22	0.95	0.00	0.00	0.02	0.01	2.24	0.94	0.00	0.00	0.02	0.01
2.26	0.94	0.00	0.00	0.02	0.01	2.28	0.93	0.00	0.00	0.02	0.01
2.30	0.93	0.00	0.00	0.02	0.01	2.32	0.93	0.00	0.00	0.02	0.01
2.34	0.92	0.00	0.00	0.02	0.01	2.36	0.91	0.00	0.00	0.02	0.02
2.38	0.89	0.00	0.00	0.02	0.02	2.40	0.88	0.00	0.00	0.02	0.02
2.42	0.88	0.00	0.00	0.02	0.02	2.44	0.88	0.00	0.00	0.02	0.02
2.46	0.88	0.00	0.00	0.02	0.02	2.48	0.88	0.00	0.00	0.02	0.02
2.50	0.89	0.00	0.00	0.02	0.02	2.52	0.91	0.00	0.00	0.02	0.02
2.54	0.92	0.00	0.00	0.02	0.01	2.56	0.93	0.00	0.00	0.02	0.01
2.58	0.93	0.00	0.00	0.02	0.01	2.60	0.93	0.00	0.00	0.02	0.01
2.62	0.93	0.00	0.00	0.02	0.01	2.64	0.93	0.00	0.00	0.02	0.01
2.66	0.93	0.00	0.00	0.02	0.01	2.68	0.93	0.00	0.00	0.02	0.01
2.70	0.93	0.00	0.00	0.02	0.01	2.72	0.93	0.00	0.00	0.02	0.01
2.74	0.94	0.00	0.00	0.02	0.01	2.76	0.94	0.00	0.00	0.02	0.01
2.78	0.94	0.00	0.00	0.02	0.01	2.80	0.93	0.00	0.00	0.02	0.01
2.82	0.93	0.00	0.00	0.02	0.01	2.84	0.93	0.00	0.00	0.02	0.01
2.86	0.92	0.00	0.00	0.02	0.01	2.88	0.92	0.00	0.00	0.02	0.01
2.90	0.92	0.00	0.00	0.02	0.01	2.92	0.93	0.00	0.00	0.02	0.01
2.94	0.92	0.00	0.00	0.02	0.01	2.96	0.91	0.00	0.00	0.02	0.02
2.98	0.86	0.00	0.00	0.02	0.02	3.00	0.81	0.00	0.00	0.02	0.03
3.02	0.80	0.00	0.00	0.02	0.03	3.04	0.81	0.00	0.00	0.02	0.03
3.06	0.81	0.00	0.00	0.02	0.03	3.08	0.81	0.00	0.00	0.02	0.03
3.10	0.80	0.00	0.00	0.02	0.03	3.12	0.80	0.00	0.00	0.02	0.03
3.14	0.80	0.00	0.00	0.02	0.03	3.16	0.81	0.00	0.00	0.02	0.03
3.18	0.81	0.00	0.00	0.02	0.03	3.20	0.83	0.00	0.00	0.02	0.03
3.22	0.83	0.00	0.00	0.02	0.03	3.24	0.85	0.00	0.00	0.02	0.02
3.26	0.85	0.00	0.00	0.02	0.03	3.28	0.84	0.00	0.00	0.02	0.03
3.30	0.84	0.00	0.00	0.02	0.03	3.32	0.84	0.00	0.00	0.02	0.03
3.34	0.82	0.00	0.00	0.02	0.03	3.36	0.80	0.00	0.00	0.02	0.03
3.38	0.78	0.22	1.44	0.02	0.04	3.40	0.77	0.23	1.38	0.02	0.04
3.42	0.77	0.23	1.35	0.02	0.04	3.44	0.77	0.23	1.32	0.02	0.04
3.46	0.76	0.24	1.27	0.02	0.04	3.48	0.76	0.24	1.26	0.02	0.04
3.50	0.76	0.24	1.24	0.02	0.04	3.52	0.76	0.24	1.23	0.02	0.04
3.54	0.76	0.24	1.23	0.02	0.04	3.56	0.77	0.23	1.35	0.02	0.04
3.59	0.80	0.00	0.00	0.03	0.05	3.60	0.83	0.00	0.00	0.01	0.01
3.62	0.84	0.00	0.00	0.02	0.03	3.64	0.84	0.00	0.00	0.02	0.03
3.66	0.84	0.00	0.00	0.02	0.03	3.68	0.84	0.00	0.00	0.02	0.03
3.70	0.84	0.00	0.00	0.02	0.03	3.72	0.82	0.00	0.00	0.02	0.03
3.74	0.82	0.00	0.00	0.02	0.03	3.76	0.81	0.00	0.00	0.02	0.03
3.78	0.79	0.00	0.00	0.02	0.03	3.80	0.79	0.00	0.00	0.02	0.03
3.82	0.79	0.00	0.00	0.02	0.03	3.84	0.78	0.22	1.48	0.02	0.03
3.86	0.79	0.00	0.00	0.02	0.03	3.88	0.80	0.00	0.00	0.02	0.03
3.90	0.83	0.00	0.00	0.02	0.03	3.92	0.86	0.00	0.00	0.02	0.02
3.94	0.89	0.00	0.00	0.02	0.02	3.96	0.89	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.98	0.86	0.00	0.00	0.02	0.02	4.00	0.82	0.00	0.00	0.02	0.03
4.02	0.78	0.22	1.42	0.02	0.04	4.04	0.76	0.24	1.22	0.02	0.04
4.06	0.74	0.26	1.11	0.02	0.04	4.08	0.74	0.26	1.09	0.02	0.04
4.10	0.74	0.26	1.10	0.02	0.04	4.12	0.73	0.27	1.09	0.02	0.04
4.14	0.74	0.26	1.10	0.02	0.04	4.16	0.73	0.27	1.09	0.02	0.04
4.18	0.73	0.27	1.08	0.02	0.04	4.20	0.73	0.27	1.08	0.02	0.04
4.22	0.73	0.27	1.08	0.02	0.04	4.24	0.75	0.25	1.16	0.02	0.04
4.26	0.78	0.22	1.40	0.02	0.04	4.28	0.81	0.00	0.00	0.02	0.03
4.30	0.82	0.00	0.00	0.02	0.03	4.32	0.82	0.00	0.00	0.02	0.03
4.34	0.82	0.00	0.00	0.02	0.03	4.36	0.79	0.00	0.00	0.02	0.03
4.38	0.68	0.32	0.83	0.02	0.05	4.40	0.68	0.32	0.83	0.02	0.05
4.42	0.67	0.33	0.82	0.02	0.05	4.44	0.67	0.33	0.82	0.02	0.05
4.46	0.67	0.33	0.82	0.02	0.05	4.48	0.67	0.33	0.81	0.02	0.05
4.50	0.68	0.32	0.83	0.02	0.05	4.52	0.68	0.32	0.84	0.02	0.05
4.54	0.68	0.32	0.84	0.02	0.05	4.56	0.67	0.33	0.82	0.02	0.05
4.58	0.67	0.33	0.82	0.02	0.05	4.60	0.67	0.33	0.82	0.02	0.05
4.62	0.68	0.32	0.83	0.02	0.05	4.64	0.68	0.32	0.85	0.02	0.05
4.66	0.69	0.31	0.88	0.02	0.05	4.68	0.71	0.29	0.96	0.02	0.04
4.70	0.74	0.26	1.11	0.02	0.04	4.72	0.76	0.24	1.22	0.02	0.04
4.74	0.76	0.24	1.25	0.02	0.04	4.76	0.75	0.25	1.17	0.02	0.04
4.78	0.75	0.25	1.20	0.02	0.04	4.80	0.78	0.22	1.43	0.02	0.03
4.82	0.88	0.00	0.00	0.02	0.02	4.84	1.01	0.00	0.00	0.02	0.00
4.86	1.10	0.00	0.00	0.02	0.00	4.88	1.15	0.00	0.00	0.02	0.00
4.90	1.15	0.00	0.00	0.02	0.00	4.92	1.14	0.00	0.00	0.02	0.00
4.94	1.14	0.00	0.00	0.02	0.00	4.96	1.11	0.00	0.00	0.02	0.00
4.98	1.04	0.00	0.00	0.02	0.00	5.00	0.87	0.00	0.00	0.02	0.02
5.02	0.76	0.24	1.28	0.02	0.04	5.04	0.76	0.24	1.29	0.02	0.04
5.06	0.75	0.25	1.19	0.02	0.04	5.08	0.74	0.26	1.14	0.02	0.04
5.10	0.75	0.25	1.16	0.02	0.04	5.12	0.75	0.25	1.18	0.02	0.04
5.14	0.75	0.25	1.19	0.02	0.04	5.16	0.75	0.25	1.19	0.02	0.04
5.19	0.79	0.00	0.00	0.03	0.05	5.20	0.83	0.00	0.00	0.01	0.01
5.22	0.91	0.00	0.00	0.02	0.01	5.24	0.97	0.00	0.00	0.02	0.01
5.26	0.98	0.00	0.00	0.02	0.00	5.28	0.97	0.00	0.00	0.02	0.00
5.30	0.96	0.00	0.00	0.02	0.01	5.32	0.95	0.00	0.00	0.02	0.01
5.34	0.91	0.00	0.00	0.02	0.01	5.36	0.82	0.00	0.00	0.02	0.03
5.38	0.80	0.00	0.00	0.02	0.03	5.40	0.80	0.00	0.00	0.02	0.03
5.42	0.78	0.22	1.45	0.02	0.03	5.44	0.77	0.23	1.33	0.02	0.03
5.46	0.75	0.25	1.22	0.02	0.04	5.48	0.76	0.24	1.23	0.02	0.04
5.50	0.78	0.22	1.45	0.02	0.03	5.52	0.80	0.00	0.00	0.02	0.03
5.54	0.84	0.00	0.00	0.02	0.02	5.56	0.85	0.00	0.00	0.02	0.02
5.58	0.85	0.00	0.00	0.02	0.02	5.60	0.84	0.00	0.00	0.02	0.02
5.62	0.81	0.00	0.00	0.02	0.03	5.64	0.81	0.00	0.00	0.02	0.03
5.66	0.81	0.00	0.00	0.02	0.03	5.68	0.81	0.00	0.00	0.02	0.03
5.70	0.80	0.00	0.00	0.02	0.03	5.72	0.80	0.00	0.00	0.02	0.03
5.74	0.81	0.00	0.00	0.02	0.03	5.76	0.80	0.00	0.00	0.02	0.03
5.78	0.78	0.22	1.43	0.02	0.03	5.80	0.77	0.23	1.33	0.02	0.03
5.82	0.75	0.25	1.18	0.02	0.04	5.84	0.76	0.24	1.23	0.02	0.03
5.86	0.74	0.26	1.13	0.02	0.04	5.88	0.74	0.26	1.12	0.02	0.04
5.90	0.74	0.26	1.13	0.02	0.04	5.92	0.74	0.26	1.12	0.02	0.04

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.94	0.71	0.29	0.98	0.02	0.04	5.96	0.72	0.28	1.01	0.02	0.04
5.98	0.76	0.24	1.25	0.02	0.03	6.00	0.80	0.00	0.00	0.02	0.03
6.02	0.83	0.00	0.00	0.02	0.02	6.04	0.84	0.00	0.00	0.02	0.02
6.06	0.84	0.00	0.00	0.02	0.02	6.08	1.29	0.00	0.00	0.02	0.00
6.10	1.36	0.00	0.00	0.02	0.00	6.12	1.37	0.00	0.00	0.02	0.00
6.14	1.52	0.00	0.00	0.02	0.00	6.16	1.56	0.00	0.00	0.02	0.00
6.18	1.52	0.00	0.00	0.02	0.00	6.20	1.38	0.00	0.00	0.02	0.00
6.22	1.33	0.00	0.00	0.02	0.00	6.24	1.31	0.00	0.00	0.02	0.00
6.26	1.29	0.00	0.00	0.02	0.00	6.28	1.28	0.00	0.00	0.02	0.00
6.30	1.28	0.00	0.00	0.02	0.00	6.32	1.27	0.00	0.00	0.02	0.00
6.34	1.18	0.00	0.00	0.02	0.00	6.36	1.10	0.00	0.00	0.02	0.00
6.38	1.09	0.00	0.00	0.02	0.00	6.40	1.08	0.00	0.00	0.02	0.00
6.42	1.07	0.00	0.00	0.02	0.00	6.44	1.10	0.00	0.00	0.02	0.00
6.46	1.03	0.00	0.00	0.02	0.00	6.48	0.93	0.00	0.00	0.02	0.01
6.50	0.90	0.00	0.00	0.02	0.01	6.52	0.88	0.00	0.00	0.02	0.02
6.54	0.88	0.00	0.00	0.02	0.02	6.56	0.88	0.00	0.00	0.02	0.02
6.58	0.88	0.00	0.00	0.02	0.02	6.60	0.88	0.00	0.00	0.02	0.02
6.62	0.85	0.00	0.00	0.02	0.02	6.64	0.86	0.00	0.00	0.02	0.02
6.66	0.86	0.00	0.00	0.02	0.02	6.68	0.86	0.00	0.00	0.02	0.02
6.70	0.84	0.00	0.00	0.02	0.02	6.72	0.84	0.00	0.00	0.02	0.02
6.74	0.84	0.00	0.00	0.02	0.02	6.76	0.84	0.00	0.00	0.02	0.02
6.78	0.85	0.00	0.00	0.02	0.02	6.80	0.88	0.00	0.00	0.02	0.02
6.82	0.89	0.00	0.00	0.02	0.01	6.84	0.88	0.00	0.00	0.02	0.02
6.86	0.85	0.00	0.00	0.02	0.02	6.88	0.82	0.00	0.00	0.02	0.02
6.90	0.77	0.23	1.35	0.02	0.03	6.92	0.73	0.27	1.04	0.02	0.04
6.94	0.72	0.28	0.99	0.02	0.04	6.96	0.71	0.29	0.98	0.02	0.04
6.98	0.71	0.29	0.98	0.02	0.04	7.00	0.71	0.29	0.98	0.02	0.04
7.02	0.72	0.28	0.99	0.02	0.04	7.04	0.71	0.29	0.94	0.02	0.04
7.06	0.69	0.31	0.87	0.02	0.04	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	0.64	0.36	0.73	0.02	0.04	8.12	0.65	0.35	0.76	0.02	0.04
8.14	0.67	0.33	0.80	0.02	0.04	8.16	0.68	0.32	0.84	0.02	0.04
8.18	0.68	0.32	0.85	0.02	0.04	8.20	0.68	0.32	0.86	0.02	0.04
8.22	0.69	0.31	0.87	0.02	0.04	8.24	0.69	0.31	0.88	0.02	0.04
8.26	0.69	0.31	0.86	0.02	0.04	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.97	2.00	0.00	0.00	0.02	0.00	8.99	2.00	0.00	0.00	0.02	0.00
9.01	2.00	0.00	0.00	0.02	0.00	9.03	2.00	0.00	0.00	0.02	0.00
9.05	2.00	0.00	0.00	0.02	0.00	9.07	2.00	0.00	0.00	0.02	0.00
9.09	2.00	0.00	0.00	0.02	0.00	9.11	2.00	0.00	0.00	0.02	0.00
9.13	2.00	0.00	0.00	0.02	0.00	9.15	2.00	0.00	0.00	0.02	0.00
9.17	2.00	0.00	0.00	0.02	0.00	9.19	2.00	0.00	0.00	0.02	0.00
9.21	2.00	0.00	0.00	0.02	0.00	9.23	2.00	0.00	0.00	0.02	0.00
9.25	2.00	0.00	0.00	0.02	0.00	9.27	2.00	0.00	0.00	0.02	0.00
9.29	2.00	0.00	0.00	0.02	0.00	9.31	2.00	0.00	0.00	0.02	0.00
9.33	2.00	0.00	0.00	0.02	0.00	9.35	2.00	0.00	0.00	0.02	0.00
9.37	2.00	0.00	0.00	0.02	0.00	9.39	2.00	0.00	0.00	0.02	0.00
9.41	2.00	0.00	0.00	0.02	0.00	9.43	2.00	0.00	0.00	0.02	0.00
9.45	2.00	0.00	0.00	0.02	0.00	9.47	2.00	0.00	0.00	0.02	0.00
9.49	2.00	0.00	0.00	0.02	0.00	9.51	2.00	0.00	0.00	0.02	0.00
9.53	2.00	0.00	0.00	0.02	0.00	9.55	2.00	0.00	0.00	0.02	0.00
9.57	2.00	0.00	0.00	0.02	0.00	9.59	2.00	0.00	0.00	0.02	0.00
9.61	2.00	0.00	0.00	0.02	0.00	9.63	2.00	0.00	0.00	0.02	0.00
9.65	2.00	0.00	0.00	0.02	0.00	9.67	2.00	0.00	0.00	0.02	0.00
9.69	2.00	0.00	0.00	0.02	0.00	9.71	2.00	0.00	0.00	0.02	0.00
9.73	2.00	0.00	0.00	0.02	0.00	9.75	2.00	0.00	0.00	0.02	0.00
9.77	2.00	0.00	0.00	0.02	0.00	9.79	2.00	0.00	0.00	0.02	0.00
9.81	2.00	0.00	0.00	0.02	0.00	9.83	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.85	2.00	0.00	0.00	0.02	0.00	9.87	2.00	0.00	0.00	0.02	0.00
9.89	2.00	0.00	0.00	0.02	0.00	9.91	2.00	0.00	0.00	0.02	0.00
9.93	2.00	0.00	0.00	0.02	0.00	9.95	2.00	0.00	0.00	0.02	0.00
9.97	2.00	0.00	0.00	0.02	0.00	9.99	2.00	0.00	0.00	0.02	0.00
10.01	2.00	0.00	0.00	0.02	0.00	10.03	2.00	0.00	0.00	0.02	0.00
10.05	2.00	0.00	0.00	0.02	0.00	10.07	2.00	0.00	0.00	0.02	0.00
10.09	2.00	0.00	0.00	0.02	0.00	10.11	2.00	0.00	0.00	0.02	0.00
10.13	2.00	0.00	0.00	0.02	0.00	10.15	2.00	0.00	0.00	0.02	0.00
10.17	2.00	0.00	0.00	0.02	0.00	10.19	2.00	0.00	0.00	0.02	0.00
10.21	2.00	0.00	0.00	0.02	0.00	10.23	2.00	0.00	0.00	0.02	0.00
10.25	2.00	0.00	0.00	0.02	0.00	10.27	2.00	0.00	0.00	0.02	0.00
10.29	2.00	0.00	0.00	0.02	0.00	10.31	2.00	0.00	0.00	0.02	0.00
10.33	2.00	0.00	0.00	0.02	0.00	10.35	2.00	0.00	0.00	0.02	0.00
10.37	2.00	0.00	0.00	0.02	0.00	10.39	2.00	0.00	0.00	0.02	0.00
10.41	2.00	0.00	0.00	0.02	0.00	10.43	0.70	0.30	0.90	0.02	0.03
10.45	0.70	0.30	0.90	0.02	0.03	10.47	2.00	0.00	0.00	0.02	0.00
10.49	2.00	0.00	0.00	0.02	0.00	10.51	2.00	0.00	0.00	0.02	0.00
10.53	2.00	0.00	0.00	0.02	0.00	10.55	2.00	0.00	0.00	0.02	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.59	2.00	0.00	0.00	0.02	0.00
10.61	2.00	0.00	0.00	0.02	0.00	10.63	2.00	0.00	0.00	0.02	0.00
10.65	2.00	0.00	0.00	0.02	0.00	10.67	0.70	0.30	0.91	0.02	0.03
10.69	0.72	0.28	1.00	0.02	0.03	10.71	0.72	0.28	1.03	0.02	0.03
10.73	0.72	0.28	0.99	0.02	0.03	10.75	0.70	0.30	0.92	0.02	0.03
10.77	0.69	0.31	0.88	0.02	0.03	10.79	2.00	0.00	0.00	0.02	0.00
10.81	2.00	0.00	0.00	0.02	0.00	10.83	2.00	0.00	0.00	0.02	0.00
10.85	2.00	0.00	0.00	0.02	0.00	10.87	2.00	0.00	0.00	0.02	0.00
10.89	2.00	0.00	0.00	0.02	0.00	10.91	2.00	0.00	0.00	0.02	0.00
10.93	2.00	0.00	0.00	0.02	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.02	0.00	10.99	2.00	0.00	0.00	0.02	0.00
11.01	2.00	0.00	0.00	0.02	0.00	11.03	2.00	0.00	0.00	0.02	0.00
11.05	2.00	0.00	0.00	0.02	0.00	11.07	2.00	0.00	0.00	0.02	0.00
11.09	2.00	0.00	0.00	0.02	0.00	11.11	2.00	0.00	0.00	0.02	0.00
11.13	2.00	0.00	0.00	0.02	0.00	11.15	2.00	0.00	0.00	0.02	0.00
11.17	2.00	0.00	0.00	0.02	0.00	11.19	2.00	0.00	0.00	0.02	0.00
11.21	2.00	0.00	0.00	0.02	0.00	11.23	2.00	0.00	0.00	0.02	0.00
11.25	2.00	0.00	0.00	0.02	0.00	11.27	2.00	0.00	0.00	0.02	0.00
11.29	2.00	0.00	0.00	0.02	0.00	11.31	2.00	0.00	0.00	0.02	0.00
11.33	2.00	0.00	0.00	0.02	0.00	11.35	2.00	0.00	0.00	0.02	0.00
11.37	2.00	0.00	0.00	0.02	0.00	11.39	2.00	0.00	0.00	0.02	0.00
11.41	2.00	0.00	0.00	0.02	0.00	11.43	2.00	0.00	0.00	0.02	0.00
11.45	2.00	0.00	0.00	0.02	0.00	11.47	2.00	0.00	0.00	0.02	0.00
11.49	2.00	0.00	0.00	0.02	0.00	11.51	2.00	0.00	0.00	0.02	0.00
11.53	2.00	0.00	0.00	0.02	0.00	11.55	2.00	0.00	0.00	0.02	0.00
11.57	2.00	0.00	0.00	0.02	0.00	11.59	0.73	0.27	1.07	0.02	0.02
11.61	0.81	0.00	0.00	0.02	0.02	11.63	0.83	0.00	0.00	0.02	0.01
11.65	0.84	0.00	0.00	0.02	0.01	11.67	0.80	0.00	0.00	0.02	0.02
11.69	0.77	0.23	1.33	0.02	0.02	11.71	0.72	0.28	1.02	0.02	0.02
11.73	0.71	0.29	0.98	0.02	0.02	11.75	0.72	0.28	1.03	0.02	0.02
11.77	0.73	0.27	1.06	0.02	0.02	11.79	0.73	0.27	1.06	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.81	0.73	0.27	1.06	0.02	0.02	11.83	0.73	0.27	1.06	0.02	0.02
11.85	0.73	0.27	1.07	0.02	0.02	11.87	0.73	0.27	1.06	0.02	0.02
11.89	0.73	0.27	1.09	0.02	0.02	11.91	0.75	0.25	1.20	0.02	0.02
11.93	0.81	0.00	0.00	0.02	0.02	11.95	0.81	0.00	0.00	0.02	0.02
11.97	0.82	0.00	0.00	0.02	0.01	11.99	0.82	0.00	0.00	0.02	0.01
12.01	0.81	0.00	0.00	0.02	0.02	12.03	0.80	0.00	0.00	0.02	0.02
12.05	0.78	0.22	1.40	0.02	0.02	12.07	0.76	0.24	1.28	0.02	0.02
12.09	0.75	0.25	1.19	0.02	0.02	12.11	0.73	0.27	1.04	0.02	0.02
12.13	0.72	0.28	1.02	0.02	0.02	12.15	0.72	0.28	1.02	0.02	0.02
12.17	0.71	0.29	0.97	0.02	0.02	12.19	0.73	0.27	1.04	0.02	0.02
12.21	0.72	0.28	0.99	0.02	0.02	12.23	0.72	0.28	0.99	0.02	0.02
12.25	0.72	0.28	1.00	0.02	0.02	12.27	0.72	0.28	1.02	0.02	0.02
12.29	0.73	0.27	1.06	0.02	0.02	12.31	0.73	0.27	1.08	0.02	0.02
12.33	0.74	0.26	1.13	0.02	0.02	12.35	0.74	0.26	1.15	0.02	0.02
12.37	0.75	0.25	1.20	0.02	0.02	12.39	0.75	0.25	1.21	0.02	0.02
12.41	0.75	0.25	1.18	0.02	0.02	12.43	0.73	0.27	1.08	0.02	0.02
12.45	0.71	0.29	0.97	0.02	0.02	12.47	0.69	0.31	0.86	0.02	0.02
12.49	0.66	0.34	0.79	0.02	0.03	12.51	0.65	0.35	0.74	0.02	0.03
12.53	0.64	0.36	0.71	0.02	0.03	12.55	0.63	0.37	0.71	0.02	0.03
12.57	0.65	0.35	0.76	0.02	0.03	12.59	0.67	0.33	0.81	0.02	0.02
12.61	0.70	0.30	0.91	0.02	0.02	12.63	0.71	0.29	0.96	0.02	0.02
12.65	0.70	0.30	0.94	0.02	0.02	12.67	0.71	0.29	0.96	0.02	0.02
12.68	0.84	0.00	0.00	0.02	0.01	12.70	1.00	0.00	0.00	0.02	0.00
12.72	1.16	0.00	0.00	0.02	0.00	12.74	1.10	0.00	0.00	0.02	0.00
12.76	1.03	0.00	0.00	0.02	0.00	12.78	1.01	0.00	0.00	0.02	0.00
12.80	0.99	0.00	0.00	0.02	0.00	12.82	0.94	0.00	0.00	0.02	0.00
12.84	0.83	0.00	0.00	0.02	0.01	12.86	0.79	0.00	0.00	0.02	0.01
12.88	0.79	0.00	0.00	0.02	0.01	12.90	0.79	0.00	0.00	0.02	0.01
12.92	0.79	0.00	0.00	0.02	0.01	12.94	0.80	0.00	0.00	0.02	0.01
12.96	0.81	0.00	0.00	0.02	0.01	12.98	0.84	0.00	0.00	0.02	0.01
13.00	0.87	0.00	0.00	0.02	0.01	13.02	0.90	0.00	0.00	0.02	0.01
13.04	0.92	0.00	0.00	0.02	0.01	13.06	0.94	0.00	0.00	0.02	0.00
13.08	0.93	0.00	0.00	0.02	0.00	13.10	0.86	0.00	0.00	0.02	0.01
13.12	0.86	0.00	0.00	0.02	0.01	13.14	0.89	0.00	0.00	0.02	0.01
13.16	0.82	0.00	0.00	0.02	0.01	13.18	2.00	0.00	0.00	0.02	0.00
13.20	2.00	0.00	0.00	0.02	0.00	13.22	2.00	0.00	0.00	0.02	0.00
13.24	2.00	0.00	0.00	0.02	0.00	13.26	2.00	0.00	0.00	0.02	0.00
13.28	2.00	0.00	0.00	0.02	0.00	13.30	2.00	0.00	0.00	0.02	0.00
13.32	2.00	0.00	0.00	0.02	0.00	13.34	2.00	0.00	0.00	0.02	0.00
13.36	2.00	0.00	0.00	0.02	0.00	13.38	2.00	0.00	0.00	0.02	0.00
13.40	2.00	0.00	0.00	0.02	0.00	13.42	2.00	0.00	0.00	0.02	0.00
13.44	2.00	0.00	0.00	0.02	0.00	13.46	2.00	0.00	0.00	0.02	0.00
13.48	2.00	0.00	0.00	0.02	0.00	13.50	2.00	0.00	0.00	0.02	0.00
13.52	2.00	0.00	0.00	0.02	0.00	13.54	2.00	0.00	0.00	0.02	0.00
13.56	2.00	0.00	0.00	0.02	0.00	13.58	2.00	0.00	0.00	0.02	0.00
13.60	2.00	0.00	0.00	0.02	0.00	13.62	2.00	0.00	0.00	0.02	0.00
13.64	2.00	0.00	0.00	0.02	0.00	13.66	2.00	0.00	0.00	0.02	0.00
13.68	2.00	0.00	0.00	0.02	0.00	13.70	2.00	0.00	0.00	0.02	0.00
13.72	2.00	0.00	0.00	0.02	0.00	13.74	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.76	2.00	0.00	0.00	0.02	0.00	13.78	2.00	0.00	0.00	0.02	0.00
13.80	2.00	0.00	0.00	0.02	0.00	13.82	2.00	0.00	0.00	0.02	0.00
13.84	2.00	0.00	0.00	0.02	0.00	13.86	2.00	0.00	0.00	0.02	0.00
13.88	2.00	0.00	0.00	0.02	0.00	13.90	2.00	0.00	0.00	0.02	0.00
13.92	2.00	0.00	0.00	0.02	0.00	13.94	2.00	0.00	0.00	0.02	0.00
13.96	2.00	0.00	0.00	0.02	0.00	13.98	2.00	0.00	0.00	0.02	0.00
14.00	2.00	0.00	0.00	0.02	0.00	14.02	2.00	0.00	0.00	0.02	0.00
14.04	2.00	0.00	0.00	0.02	0.00	14.06	2.00	0.00	0.00	0.02	0.00
14.08	2.00	0.00	0.00	0.02	0.00	14.10	2.00	0.00	0.00	0.02	0.00
14.12	2.00	0.00	0.00	0.02	0.00	14.14	2.00	0.00	0.00	0.02	0.00
14.16	2.00	0.00	0.00	0.02	0.00	14.18	2.00	0.00	0.00	0.02	0.00
14.20	2.00	0.00	0.00	0.02	0.00	14.22	2.00	0.00	0.00	0.02	0.00
14.24	2.00	0.00	0.00	0.02	0.00	14.26	2.00	0.00	0.00	0.02	0.00
14.28	2.00	0.00	0.00	0.02	0.00	14.30	2.00	0.00	0.00	0.02	0.00
14.32	2.00	0.00	0.00	0.02	0.00	14.34	2.00	0.00	0.00	0.02	0.00
14.36	2.00	0.00	0.00	0.02	0.00	14.38	2.00	0.00	0.00	0.02	0.00
14.40	2.00	0.00	0.00	0.02	0.00	14.42	2.00	0.00	0.00	0.02	0.00
14.44	2.00	0.00	0.00	0.02	0.00	14.46	2.00	0.00	0.00	0.02	0.00
14.48	2.00	0.00	0.00	0.02	0.00	14.50	2.00	0.00	0.00	0.02	0.00
14.52	2.00	0.00	0.00	0.02	0.00	14.54	2.00	0.00	0.00	0.02	0.00
14.56	2.00	0.00	0.00	0.02	0.00	14.58	2.00	0.00	0.00	0.02	0.00
14.60	2.00	0.00	0.00	0.02	0.00	14.62	2.00	0.00	0.00	0.02	0.00
14.64	2.00	0.00	0.00	0.02	0.00	14.66	2.00	0.00	0.00	0.02	0.00
14.68	2.00	0.00	0.00	0.02	0.00	14.70	0.87	0.00	0.00	0.02	0.01
14.72	0.87	0.00	0.00	0.02	0.01	14.74	0.89	0.00	0.00	0.02	0.01
14.76	0.90	0.00	0.00	0.02	0.01	14.78	0.89	0.00	0.00	0.02	0.01
14.80	0.87	0.00	0.00	0.02	0.01	14.82	0.85	0.00	0.00	0.02	0.01
14.84	0.85	0.00	0.00	0.02	0.01	14.86	0.84	0.00	0.00	0.02	0.01
14.88	0.84	0.00	0.00	0.02	0.01	14.90	0.84	0.00	0.00	0.02	0.01
14.91	0.84	0.00	0.00	0.02	0.01	14.93	0.85	0.00	0.00	0.02	0.01
14.95	0.84	0.00	0.00	0.02	0.01	14.97	0.85	0.00	0.00	0.02	0.01
14.99	0.86	0.00	0.00	0.02	0.01	15.01	0.88	0.00	0.00	0.02	0.01
15.03	0.90	0.00	0.00	0.02	0.00	15.05	0.94	0.00	0.00	0.02	0.00
15.07	0.95	0.00	0.00	0.02	0.00	15.09	0.95	0.00	0.00	0.02	0.00
15.11	0.96	0.00	0.00	0.02	0.00	15.13	0.96	0.00	0.00	0.02	0.00
15.15	0.96	0.00	0.00	0.02	0.00	15.17	0.99	0.00	0.00	0.02	0.00
15.19	1.14	0.00	0.00	0.02	0.00	15.21	1.21	0.00	0.00	0.02	0.00
15.23	1.22	0.00	0.00	0.02	0.00	15.25	1.25	0.00	0.00	0.02	0.00
15.27	1.27	0.00	0.00	0.02	0.00	15.29	1.25	0.00	0.00	0.02	0.00
15.31	1.21	0.00	0.00	0.02	0.00	15.33	1.20	0.00	0.00	0.02	0.00
15.35	1.01	0.00	0.00	0.02	0.00	15.37	0.98	0.00	0.00	0.02	0.00
15.39	0.99	0.00	0.00	0.02	0.00	15.41	0.95	0.00	0.00	0.02	0.00
15.43	0.89	0.00	0.00	0.02	0.00	15.45	0.85	0.00	0.00	0.02	0.01
15.47	0.83	0.00	0.00	0.02	0.01	15.49	0.81	0.00	0.00	0.02	0.01
15.51	0.81	0.00	0.00	0.02	0.01	15.53	0.81	0.00	0.00	0.02	0.01
15.55	0.81	0.00	0.00	0.02	0.01	15.57	0.81	0.00	0.00	0.02	0.01
15.59	0.81	0.00	0.00	0.02	0.01	15.61	0.82	0.00	0.00	0.02	0.01
15.63	2.00	0.00	0.00	0.02	0.00	15.65	0.82	0.00	0.00	0.02	0.01
15.67	0.82	0.00	0.00	0.02	0.01	15.69	0.83	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.71	0.85	0.00	0.00	0.02	0.01	15.73	0.89	0.00	0.00	0.02	0.00
15.75	0.96	0.00	0.00	0.02	0.00	15.77	1.01	0.00	0.00	0.02	0.00
15.79	1.03	0.00	0.00	0.02	0.00	15.81	1.11	0.00	0.00	0.02	0.00
15.83	1.13	0.00	0.00	0.02	0.00	15.85	1.16	0.00	0.00	0.02	0.00
15.87	1.17	0.00	0.00	0.02	0.00	15.89	1.26	0.00	0.00	0.02	0.00
15.91	1.14	0.00	0.00	0.02	0.00	15.93	1.03	0.00	0.00	0.02	0.00
15.95	0.97	0.00	0.00	0.02	0.00	15.97	0.98	0.00	0.00	0.02	0.00
15.99	0.96	0.00	0.00	0.02	0.00	16.01	1.00	0.00	0.00	0.02	0.00
16.03	0.95	0.00	0.00	0.02	0.00	16.05	0.95	0.00	0.00	0.02	0.00
16.07	0.94	0.00	0.00	0.02	0.00	16.09	0.97	0.00	0.00	0.02	0.00
16.11	0.86	0.00	0.00	0.02	0.01	16.13	0.89	0.00	0.00	0.02	0.00
16.15	0.94	0.00	0.00	0.02	0.00	16.17	0.96	0.00	0.00	0.02	0.00
16.19	0.91	0.00	0.00	0.02	0.00	16.21	0.81	0.00	0.00	0.02	0.01
16.23	0.82	0.00	0.00	0.02	0.01	16.25	0.87	0.00	0.00	0.02	0.00
16.27	0.88	0.00	0.00	0.02	0.00	16.29	0.88	0.00	0.00	0.02	0.00
16.31	0.88	0.00	0.00	0.02	0.00	16.33	0.89	0.00	0.00	0.02	0.00
16.35	0.90	0.00	0.00	0.02	0.00	16.37	0.91	0.00	0.00	0.02	0.00
16.39	0.93	0.00	0.00	0.02	0.00	16.41	0.95	0.00	0.00	0.02	0.00
16.43	0.96	0.00	0.00	0.02	0.00	16.45	0.94	0.00	0.00	0.02	0.00
16.47	0.93	0.00	0.00	0.02	0.00	16.49	0.90	0.00	0.00	0.02	0.00
16.51	0.88	0.00	0.00	0.02	0.00	16.53	0.85	0.00	0.00	0.02	0.01
16.55	0.84	0.00	0.00	0.02	0.01	16.57	0.84	0.00	0.00	0.02	0.01
16.59	0.83	0.00	0.00	0.02	0.01	16.61	0.83	0.00	0.00	0.02	0.01
16.63	0.84	0.00	0.00	0.02	0.01	16.65	0.84	0.00	0.00	0.02	0.01
16.67	0.83	0.00	0.00	0.02	0.01	16.69	0.83	0.00	0.00	0.02	0.01
16.71	0.83	0.00	0.00	0.02	0.01	16.72	0.84	0.00	0.00	0.02	0.01
16.74	0.84	0.00	0.00	0.02	0.01	16.76	0.85	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	0.86	0.00	0.00	0.02	0.00	16.88	0.85	0.00	0.00	0.02	0.00
16.90	0.85	0.00	0.00	0.02	0.00	16.92	0.85	0.00	0.00	0.02	0.00
16.94	0.86	0.00	0.00	0.02	0.00	16.96	0.86	0.00	0.00	0.02	0.00
16.98	0.86	0.00	0.00	0.02	0.00	17.00	0.87	0.00	0.00	0.02	0.00
17.02	0.87	0.00	0.00	0.02	0.00	17.04	0.87	0.00	0.00	0.02	0.00
17.06	0.87	0.00	0.00	0.02	0.00	17.08	0.86	0.00	0.00	0.02	0.00
17.10	0.85	0.00	0.00	0.02	0.00	17.12	0.84	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	0.84	0.00	0.00	0.02	0.00	17.72	0.85	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	2.00	0.00	0.00	0.02	0.00	17.80	2.00	0.00	0.00	0.02	0.00
17.82	2.00	0.00	0.00	0.02	0.00	17.84	2.00	0.00	0.00	0.02	0.00
17.86	2.00	0.00	0.00	0.02	0.00	17.88	2.00	0.00	0.00	0.02	0.00
17.90	2.00	0.00	0.00	0.02	0.00	17.92	0.87	0.00	0.00	0.02	0.00
17.94	0.92	0.00	0.00	0.02	0.00	17.96	0.92	0.00	0.00	0.02	0.00
17.98	0.88	0.00	0.00	0.02	0.00	18.00	0.87	0.00	0.00	0.02	0.00
18.02	0.92	0.00	0.00	0.02	0.00	18.04	0.96	0.00	0.00	0.02	0.00
18.06	0.98	0.00	0.00	0.02	0.00	18.08	1.04	0.00	0.00	0.02	0.00
18.10	0.94	0.00	0.00	0.02	0.00	18.12	0.93	0.00	0.00	0.02	0.00
18.13	0.92	0.00	0.00	0.02	0.00	18.15	0.91	0.00	0.00	0.02	0.00
18.17	0.88	0.00	0.00	0.02	0.00	18.19	0.85	0.00	0.00	0.02	0.00
18.21	0.86	0.00	0.00	0.02	0.00	18.23	1.06	0.00	0.00	0.02	0.00
18.25	1.11	0.00	0.00	0.02	0.00	18.27	1.21	0.00	0.00	0.02	0.00
18.29	1.24	0.00	0.00	0.02	0.00	18.31	1.12	0.00	0.00	0.02	0.00
18.33	1.13	0.00	0.00	0.02	0.00	18.35	1.15	0.00	0.00	0.02	0.00
18.37	1.15	0.00	0.00	0.02	0.00	18.39	1.16	0.00	0.00	0.02	0.00
18.41	1.17	0.00	0.00	0.02	0.00	18.43	1.21	0.00	0.00	0.02	0.00
18.45	1.18	0.00	0.00	0.02	0.00	18.47	1.19	0.00	0.00	0.02	0.00
18.49	1.18	0.00	0.00	0.02	0.00	18.51	1.12	0.00	0.00	0.02	0.00
18.53	1.05	0.00	0.00	0.02	0.00	18.55	0.99	0.00	0.00	0.02	0.00
18.57	0.96	0.00	0.00	0.02	0.00	18.59	0.99	0.00	0.00	0.02	0.00
18.61	1.00	0.00	0.00	0.02	0.00	18.63	1.02	0.00	0.00	0.02	0.00
18.65	1.00	0.00	0.00	0.02	0.00	18.67	0.98	0.00	0.00	0.02	0.00
18.69	0.92	0.00	0.00	0.02	0.00	18.71	2.00	0.00	0.00	0.02	0.00
18.73	2.00	0.00	0.00	0.02	0.00	18.75	2.00	0.00	0.00	0.02	0.00
18.77	2.00	0.00	0.00	0.02	0.00	18.79	2.00	0.00	0.00	0.02	0.00
18.81	2.00	0.00	0.00	0.02	0.00	18.83	2.00	0.00	0.00	0.02	0.00
18.85	2.00	0.00	0.00	0.02	0.00	18.87	2.00	0.00	0.00	0.02	0.00
18.89	2.00	0.00	0.00	0.02	0.00	18.91	2.00	0.00	0.00	0.02	0.00
18.93	2.00	0.00	0.00	0.02	0.00	18.95	2.00	0.00	0.00	0.02	0.00
18.97	2.00	0.00	0.00	0.02	0.00	18.99	2.00	0.00	0.00	0.02	0.00
19.01	2.00	0.00	0.00	0.02	0.00	19.03	2.00	0.00	0.00	0.02	0.00
19.05	2.00	0.00	0.00	0.02	0.00	19.07	2.00	0.00	0.00	0.02	0.00
19.09	2.00	0.00	0.00	0.02	0.00	19.11	2.00	0.00	0.00	0.02	0.00
19.13	2.00	0.00	0.00	0.02	0.00	19.15	2.00	0.00	0.00	0.02	0.00
19.17	2.00	0.00	0.00	0.02	0.00	19.19	2.00	0.00	0.00	0.02	0.00
19.21	2.00	0.00	0.00	0.02	0.00	19.23	2.00	0.00	0.00	0.02	0.00
19.25	2.00	0.00	0.00	0.02	0.00	19.27	2.00	0.00	0.00	0.02	0.00
19.29	0.91	0.00	0.00	0.02	0.00	19.31	0.82	0.00	0.00	0.02	0.00
19.32	0.77	0.23	1.34	0.02	0.00	19.34	0.77	0.23	1.31	0.02	0.00
19.36	0.76	0.24	1.27	0.02	0.00	19.38	0.76	0.24	1.28	0.02	0.00
19.40	0.76	0.24	1.28	0.02	0.00	19.42	0.77	0.23	1.31	0.02	0.00
19.44	0.78	0.22	1.39	0.02	0.00	19.46	0.78	0.22	1.41	0.02	0.00
19.48	0.78	0.22	1.41	0.02	0.00	19.50	0.78	0.22	1.42	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

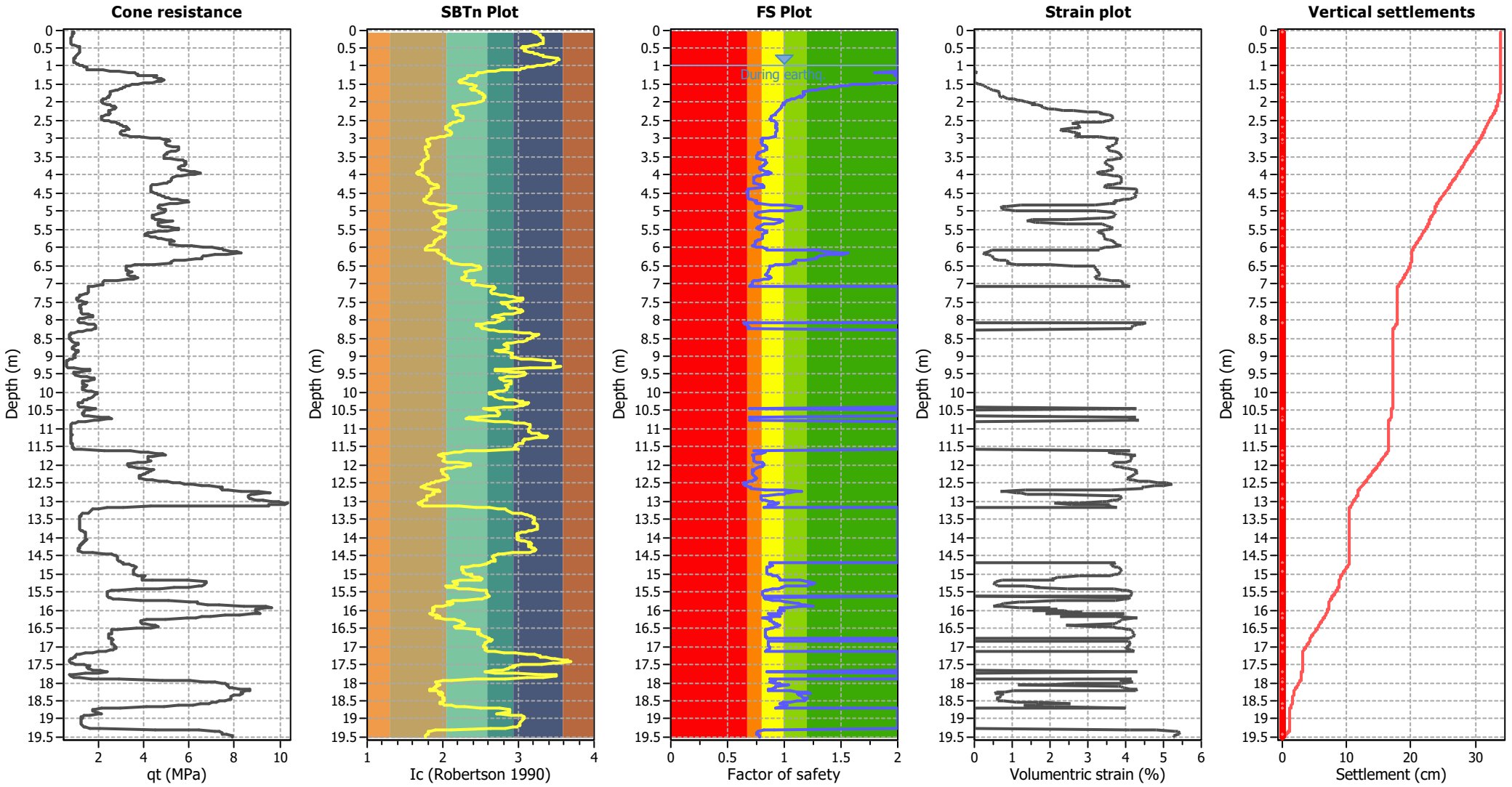
Overall liquefaction potential: 8.53

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.06	3.24	13.88	13.76	191.01	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.08	3.20	15.38	12.65	194.56	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.10	3.23	14.88	13.41	199.56	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.12	3.25	14.58	13.97	203.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.14	3.27	14.26	14.50	206.66	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.16	3.29	14.16	14.80	209.54	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.18	3.29	14.02	14.96	209.68	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.20	3.30	13.80	15.06	207.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.22	3.31	13.41	15.38	206.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.24	3.32	13.04	15.73	205.12	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.26	3.33	12.67	16.13	204.43	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.28	3.33	12.60	15.98	201.38	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.30	3.33	12.55	15.91	199.72	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.32	3.32	12.54	15.76	197.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.34	3.32	12.54	15.74	197.39	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.36	3.32	12.54	15.71	197.08	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.38	3.32	12.56	15.66	196.67	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.40	3.29	13.21	14.81	195.68	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.42	3.26	13.92	14.05	195.51	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.44	3.21	15.09	12.90	194.72	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.46	3.11	17.87	10.76	192.26	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.48	3.06	19.40	9.92	192.54	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.50	3.05	19.70	9.62	189.48	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.52	3.05	19.84	9.69	192.34	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.54	3.08	19.62	10.28	201.62	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	3.09	19.40	10.41	201.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.09	19.37	10.51	203.65	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.08	19.74	10.29	203.11	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.62	3.16	19.24	11.81	227.23	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.64	3.18	18.97	12.38	234.98	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.66	3.22	18.38	13.21	242.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.68	3.25	17.95	13.99	251.23	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.70	3.30	17.25	15.08	260.11	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.72	3.32	16.70	15.71	262.35	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.74	3.33	16.43	16.09	264.45	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.76	3.35	16.01	16.54	264.84	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.78	3.49	15.54	21.17	329.02	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.80	3.53	14.97	22.33	334.16	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.82	3.53	14.89	22.46	334.53	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.84	3.52	14.86	22.13	328.81	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.86	3.50	14.91	21.52	320.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.88	3.49	14.96	21.17	316.59	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.90	3.49	15.08	20.97	316.14	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.92	3.46	15.69	20.09	315.37	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.94	3.43	16.71	18.83	314.69	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	3.38	18.12	17.29	313.31	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	3.33	19.17	15.95	305.78	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	3.24	21.56	13.70	295.28	0	0	0.10	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.02	22.54	2.00	0.00	1.00	0.00	1.04	24.60	2.00	0.00	1.00	0.00
1.06	24.60	2.00	0.00	1.00	0.00	1.08	24.87	2.00	0.00	1.00	0.00
1.10	24.87	2.00	0.00	1.00	0.00	1.12	36.59	2.00	0.00	1.00	0.00
1.14	42.00	2.00	0.00	1.00	0.00	1.16	48.43	2.00	0.00	1.00	0.00
1.18	120.50	1.79	0.08	1.00	0.00	1.20	126.04	1.97	0.01	1.00	0.00
1.22	126.78	1.98	0.01	1.00	0.00	1.24	127.54	1.99	0.00	1.00	0.00
1.26	127.54	1.98	0.01	1.00	0.00	1.28	141.13	2.00	0.00	1.00	0.00
1.30	139.86	2.00	0.00	1.00	0.00	1.32	140.20	2.00	0.00	1.00	0.00
1.34	141.84	2.00	0.00	1.00	0.00	1.36	144.26	2.00	0.00	1.00	0.00
1.38	145.29	2.00	0.00	1.00	0.00	1.40	143.63	2.00	0.00	1.00	0.00
1.42	140.22	2.00	0.00	1.00	0.00	1.44	136.54	2.00	0.00	1.00	0.00
1.46	133.26	2.00	0.00	1.00	0.00	1.48	128.07	1.87	0.05	1.00	0.00
1.50	124.36	1.73	0.11	1.00	0.00	1.52	120.38	1.61	0.18	1.00	0.00
1.54	118.62	1.55	0.22	1.00	0.00	1.56	116.67	1.50	0.25	1.00	0.01
1.58	114.79	1.44	0.29	1.00	0.01	1.60	112.72	1.39	0.34	1.00	0.01
1.62	111.29	1.36	0.37	1.00	0.01	1.64	109.79	1.32	0.41	1.00	0.01
1.66	107.72	1.28	0.47	1.00	0.01	1.68	106.14	1.24	0.52	1.00	0.01
1.70	102.25	1.18	0.64	1.00	0.01	1.72	102.03	1.17	0.66	1.00	0.01
1.74	102.11	1.16	0.67	1.00	0.01	1.76	102.70	1.17	0.66	1.00	0.01
1.78	103.02	1.17	0.66	1.00	0.01	1.80	103.82	1.18	0.64	1.00	0.01
1.87	103.06	1.15	0.71	1.00	0.05	1.87	102.48	1.14	0.73	1.00	0.00
1.82	101.95	1.14	0.72	1.00	0.04	1.88	100.56	1.11	0.82	1.00	0.05
1.90	99.38	1.09	0.89	1.00	0.02	1.92	97.25	1.06	1.04	1.00	0.02
1.94	96.02	1.04	1.15	1.00	0.02	1.96	95.30	1.03	1.24	1.00	0.02
1.98	94.52	1.01	1.36	1.00	0.03	2.00	94.48	1.01	1.39	1.00	0.03
2.02	93.81	1.00	1.52	1.00	0.03	2.04	93.44	0.99	1.61	1.00	0.03
2.06	94.31	1.00	1.52	1.00	0.03	2.08	93.74	0.99	1.64	1.00	0.03
2.10	93.05	0.98	1.82	1.00	0.04	2.12	93.49	0.98	1.78	1.00	0.04
2.14	93.63	0.98	1.80	1.00	0.04	2.16	93.68	0.97	1.83	1.00	0.04
2.18	93.33	0.97	1.96	1.00	0.04	2.20	92.98	0.96	2.10	1.00	0.04
2.22	92.44	0.95	2.33	1.00	0.05	2.24	91.95	0.94	2.60	1.00	0.05
2.26	91.36	0.94	2.99	1.00	0.06	2.28	91.13	0.93	3.25	1.00	0.07
2.30	91.11	0.93	3.40	1.00	0.07	2.32	91.40	0.93	3.32	1.00	0.07
2.34	90.72	0.92	3.54	1.00	0.07	2.36	89.82	0.91	3.58	1.00	0.07
2.38	88.29	0.89	3.64	1.00	0.07	2.40	87.80	0.88	3.66	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.42	87.79	0.88	3.66	1.00	0.07	2.44	87.87	0.88	3.66	1.00	0.07
2.46	87.97	0.88	3.65	1.00	0.07	2.48	88.55	0.88	3.63	1.00	0.07
2.50	89.61	0.89	3.59	1.00	0.07	2.52	91.65	0.91	3.51	1.00	0.07
2.54	93.15	0.92	3.37	1.00	0.07	2.56	94.25	0.93	2.82	1.00	0.06
2.58	94.97	0.93	2.57	1.00	0.05	2.60	94.71	0.93	2.74	1.00	0.05
2.62	94.91	0.93	2.71	1.00	0.05	2.64	94.99	0.93	2.74	1.00	0.05
2.66	95.09	0.93	2.76	1.00	0.06	2.68	95.14	0.93	2.80	1.00	0.06
2.70	95.31	0.93	2.78	1.00	0.06	2.72	95.80	0.93	2.62	1.00	0.05
2.74	96.87	0.94	2.29	1.00	0.05	2.76	97.11	0.94	2.26	1.00	0.05
2.78	97.02	0.94	2.32	1.00	0.05	2.80	96.75	0.93	2.45	1.00	0.05
2.82	96.42	0.93	2.62	1.00	0.05	2.84	96.36	0.93	2.70	1.00	0.05
2.86	96.36	0.92	2.75	1.00	0.05	2.88	96.36	0.92	2.80	1.00	0.06
2.90	96.73	0.92	2.68	1.00	0.05	2.92	96.96	0.93	2.63	1.00	0.05
2.94	96.96	0.92	2.68	1.00	0.05	2.96	95.81	0.91	3.32	1.00	0.07
2.98	91.18	0.86	3.53	1.00	0.07	3.00	85.77	0.81	3.75	1.00	0.07
3.02	84.76	0.80	3.79	1.00	0.08	3.04	85.45	0.81	3.76	1.00	0.08
3.06	86.32	0.81	3.72	1.00	0.07	3.08	85.81	0.81	3.74	1.00	0.07
3.10	85.19	0.80	3.77	1.00	0.08	3.12	85.21	0.80	3.77	1.00	0.08
3.14	86.08	0.80	3.73	1.00	0.07	3.16	86.73	0.81	3.71	1.00	0.07
3.18	87.32	0.81	3.68	1.00	0.07	3.20	89.27	0.83	3.60	1.00	0.07
3.22	89.33	0.83	3.60	1.00	0.07	3.24	92.01	0.85	3.50	1.00	0.07
3.26	91.48	0.85	3.52	1.00	0.07	3.28	91.26	0.84	3.52	1.00	0.07
3.30	91.36	0.84	3.52	1.00	0.07	3.32	90.87	0.84	3.54	1.00	0.07
3.34	89.34	0.82	3.60	1.00	0.07	3.36	87.48	0.80	3.67	1.00	0.07
3.38	84.69	0.78	3.79	1.00	0.08	3.40	84.09	0.77	3.82	1.00	0.08
3.42	83.69	0.77	3.84	1.00	0.08	3.44	83.37	0.77	3.85	1.00	0.08
3.46	82.76	0.76	3.88	1.00	0.08	3.48	82.62	0.76	3.89	1.00	0.08
3.50	82.49	0.76	3.89	1.00	0.08	3.52	82.44	0.76	3.89	1.00	0.08
3.54	82.52	0.76	3.89	1.00	0.08	3.56	84.53	0.77	3.80	1.00	0.08
3.59	88.65	0.80	3.63	1.00	0.11	3.60	91.50	0.83	3.51	1.00	0.04
3.62	92.35	0.84	3.48	1.00	0.07	3.64	92.53	0.84	3.48	1.00	0.07
3.66	92.99	0.84	3.46	1.00	0.07	3.68	92.63	0.84	3.47	1.00	0.07
3.70	92.59	0.84	3.47	1.00	0.07	3.72	91.31	0.82	3.52	1.00	0.07
3.74	90.92	0.82	3.54	1.00	0.07	3.76	89.68	0.81	3.59	1.00	0.07
3.78	87.76	0.79	3.66	1.00	0.07	3.80	87.65	0.79	3.67	1.00	0.07
3.82	87.55	0.79	3.67	1.00	0.07	3.84	87.54	0.78	3.67	1.00	0.07
3.86	88.28	0.79	3.64	1.00	0.07	3.88	89.93	0.80	3.58	1.00	0.07
3.90	93.36	0.83	3.44	1.00	0.07	3.92	96.46	0.86	3.33	1.00	0.07
3.94	98.98	0.89	3.25	1.00	0.06	3.96	98.74	0.89	3.25	1.00	0.07
3.98	96.09	0.86	3.35	1.00	0.07	4.00	91.76	0.82	3.50	1.00	0.07
4.02	87.50	0.78	3.67	1.00	0.07	4.04	84.75	0.76	3.79	1.00	0.08
4.06	82.59	0.74	3.89	1.00	0.08	4.08	82.26	0.74	3.90	1.00	0.08
4.10	82.38	0.74	3.90	1.00	0.08	4.12	82.34	0.73	3.90	1.00	0.08
4.14	82.57	0.74	3.89	1.00	0.08	4.16	82.36	0.73	3.90	1.00	0.08
4.18	82.26	0.73	3.90	1.00	0.08	4.20	82.27	0.73	3.90	1.00	0.08
4.22	82.49	0.73	3.89	1.00	0.08	4.24	84.14	0.75	3.82	1.00	0.08
4.26	88.13	0.78	3.65	1.00	0.07	4.28	91.52	0.81	3.51	1.00	0.07
4.30	93.41	0.82	3.44	1.00	0.07	4.32	93.71	0.82	3.43	1.00	0.07
4.34	92.85	0.82	3.46	1.00	0.07	4.36	90.50	0.79	3.55	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.38	74.95	0.68	4.27	1.00	0.09	4.40	74.67	0.68	4.28	1.00	0.09
4.42	74.52	0.67	4.29	1.00	0.09	4.44	74.60	0.67	4.29	1.00	0.09
4.46	74.54	0.67	4.29	1.00	0.09	4.48	74.23	0.67	4.31	1.00	0.09
4.50	74.96	0.68	4.27	1.00	0.09	4.52	75.84	0.68	4.22	1.00	0.08
4.54	75.52	0.68	4.24	1.00	0.08	4.56	75.11	0.67	4.26	1.00	0.09
4.58	75.11	0.67	4.26	1.00	0.09	4.60	75.10	0.67	4.26	1.00	0.09
4.62	75.48	0.68	4.24	1.00	0.08	4.64	76.29	0.68	4.20	1.00	0.08
4.66	77.76	0.69	4.12	1.00	0.08	4.68	80.72	0.71	3.97	1.00	0.08
4.70	84.50	0.74	3.80	1.00	0.08	4.72	86.83	0.76	3.70	1.00	0.07
4.74	87.27	0.76	3.68	1.00	0.07	4.76	85.84	0.75	3.74	1.00	0.07
4.78	86.47	0.75	3.72	1.00	0.07	4.80	89.92	0.78	3.58	1.00	0.07
4.82	100.44	0.88	3.20	1.00	0.06	4.84	110.39	1.01	1.22	1.00	0.02
4.86	116.28	1.10	0.83	1.00	0.02	4.88	118.70	1.15	0.72	1.00	0.01
4.90	118.96	1.15	0.71	1.00	0.01	4.92	118.48	1.14	0.73	1.00	0.01
4.94	118.12	1.14	0.75	1.00	0.01	4.96	116.77	1.11	0.81	1.00	0.02
4.98	112.52	1.04	1.06	1.00	0.02	5.00	99.45	0.87	3.23	1.00	0.06
5.02	88.19	0.76	3.65	1.00	0.07	5.04	88.30	0.76	3.64	1.00	0.07
5.06	86.75	0.75	3.70	1.00	0.07	5.08	85.83	0.74	3.74	1.00	0.07
5.10	86.09	0.75	3.73	1.00	0.07	5.12	86.62	0.75	3.71	1.00	0.07
5.14	86.77	0.75	3.70	1.00	0.07	5.16	86.83	0.75	3.70	1.00	0.07
5.19	92.04	0.79	3.49	1.00	0.10	5.20	96.28	0.83	3.34	1.00	0.03
5.22	102.99	0.91	2.50	1.00	0.05	5.24	107.66	0.97	1.54	1.00	0.03
5.26	108.94	0.98	1.39	1.00	0.03	5.28	108.24	0.97	1.47	1.00	0.03
5.30	107.18	0.96	1.61	1.00	0.03	5.32	106.36	0.95	1.74	1.00	0.03
5.34	103.35	0.91	2.40	1.00	0.05	5.36	95.33	0.82	3.37	1.00	0.07
5.38	92.92	0.80	3.46	1.00	0.07	5.40	92.36	0.80	3.48	1.00	0.07
5.42	90.80	0.78	3.54	1.00	0.07	5.44	89.34	0.77	3.60	1.00	0.07
5.46	87.63	0.75	3.67	1.00	0.07	5.48	87.75	0.76	3.66	1.00	0.07
5.50	90.85	0.78	3.54	1.00	0.07	5.52	93.40	0.80	3.44	1.00	0.07
5.54	96.94	0.84	3.32	1.00	0.07	5.56	98.11	0.85	3.28	1.00	0.07
5.58	97.94	0.85	3.28	1.00	0.07	5.60	97.09	0.84	3.31	1.00	0.07
5.62	93.97	0.81	3.42	1.00	0.07	5.64	94.00	0.81	3.42	1.00	0.07
5.66	93.99	0.81	3.42	1.00	0.07	5.68	93.79	0.81	3.43	1.00	0.07
5.70	93.45	0.80	3.44	1.00	0.07	5.72	93.33	0.80	3.45	1.00	0.07
5.74	94.05	0.81	3.42	1.00	0.07	5.76	93.45	0.80	3.44	1.00	0.07
5.78	90.81	0.78	3.54	1.00	0.07	5.80	89.55	0.77	3.59	1.00	0.07
5.82	87.19	0.75	3.69	1.00	0.07	5.84	88.06	0.76	3.65	1.00	0.07
5.86	86.11	0.74	3.73	1.00	0.07	5.88	86.11	0.74	3.73	1.00	0.07
5.90	86.14	0.74	3.73	1.00	0.07	5.92	86.08	0.74	3.73	1.00	0.07
5.94	82.60	0.71	3.89	1.00	0.08	5.96	83.54	0.72	3.84	1.00	0.08
5.98	88.51	0.76	3.63	1.00	0.07	6.00	93.40	0.80	3.44	1.00	0.07
6.02	96.07	0.83	3.35	1.00	0.07	6.04	97.49	0.84	3.30	1.00	0.07
6.06	97.67	0.84	3.29	1.00	0.07	6.08	125.85	1.29	0.48	1.00	0.01
6.10	128.67	1.36	0.39	1.00	0.01	6.12	128.97	1.37	0.39	1.00	0.01
6.14	133.98	1.52	0.25	1.00	0.01	6.16	135.23	1.56	0.22	1.00	0.00
6.18	133.81	1.52	0.26	1.00	0.01	6.20	129.30	1.38	0.38	1.00	0.01
6.22	127.17	1.33	0.44	1.00	0.01	6.24	126.35	1.31	0.46	1.00	0.01
6.26	125.67	1.29	0.48	1.00	0.01	6.28	125.43	1.28	0.49	1.00	0.01
6.30	125.35	1.28	0.49	1.00	0.01	6.32	124.63	1.27	0.51	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.34	120.84	1.18	0.65	1.00	0.01	6.36	116.66	1.10	0.84	1.00	0.02
6.38	115.66	1.09	0.89	1.00	0.02	6.40	115.24	1.08	0.91	1.00	0.02
6.42	114.99	1.07	0.92	1.00	0.02	6.44	116.73	1.10	0.83	1.00	0.02
6.46	112.29	1.03	1.10	1.00	0.02	6.48	104.93	0.93	2.01	1.00	0.04
6.50	102.66	0.90	2.63	1.00	0.05	6.52	100.40	0.88	3.20	1.00	0.06
6.54	100.47	0.88	3.20	1.00	0.06	6.56	100.46	0.88	3.20	1.00	0.06
6.58	100.43	0.88	3.20	1.00	0.06	6.60	100.40	0.88	3.20	1.00	0.06
6.62	98.22	0.85	3.27	1.00	0.07	6.64	98.56	0.86	3.26	1.00	0.07
6.66	99.14	0.86	3.24	1.00	0.06	6.68	98.36	0.86	3.27	1.00	0.07
6.70	96.91	0.84	3.32	1.00	0.07	6.72	96.86	0.84	3.32	1.00	0.07
6.74	96.82	0.84	3.32	1.00	0.07	6.76	96.77	0.84	3.32	1.00	0.07
6.78	98.08	0.85	3.28	1.00	0.07	6.80	100.33	0.88	3.20	1.00	0.06
6.82	101.18	0.89	3.17	1.00	0.06	6.84	100.54	0.88	3.20	1.00	0.06
6.86	98.01	0.85	3.28	1.00	0.07	6.88	94.77	0.82	3.39	1.00	0.07
6.90	89.30	0.77	3.60	1.00	0.07	6.92	83.46	0.73	3.85	1.00	0.08
6.94	82.22	0.72	3.90	1.00	0.08	6.96	81.94	0.71	3.92	1.00	0.08
6.98	81.84	0.71	3.92	1.00	0.08	7.00	81.76	0.71	3.93	1.00	0.08
7.02	82.15	0.72	3.91	1.00	0.08	7.04	80.64	0.71	3.98	1.00	0.08
7.06	77.89	0.69	4.11	1.00	0.08	7.08	18.76	2.00	0.00	1.00	0.00
7.10	18.73	2.00	0.00	1.00	0.00	7.12	18.71	2.00	0.00	1.00	0.00
7.14	18.69	2.00	0.00	1.00	0.00	7.16	18.67	2.00	0.00	1.00	0.00
7.18	18.69	2.00	0.00	1.00	0.00	7.20	18.59	2.00	0.00	1.00	0.00
7.22	18.48	2.00	0.00	1.00	0.00	7.24	18.59	2.00	0.00	1.00	0.00
7.26	18.08	2.00	0.00	1.00	0.00	7.28	16.74	2.00	0.00	1.00	0.00
7.30	14.86	2.00	0.00	1.00	0.00	7.32	13.90	2.00	0.00	1.00	0.00
7.34	13.65	2.00	0.00	1.00	0.00	7.36	13.34	2.00	0.00	1.00	0.00
7.38	13.07	2.00	0.00	1.00	0.00	7.40	12.22	2.00	0.00	1.00	0.00
7.42	11.96	2.00	0.00	1.00	0.00	7.44	12.16	2.00	0.00	1.00	0.00
7.46	12.36	2.00	0.00	1.00	0.00	7.48	13.70	2.00	0.00	1.00	0.00
7.50	15.90	2.00	0.00	1.00	0.00	7.52	17.29	2.00	0.00	1.00	0.00
7.54	16.13	2.00	0.00	1.00	0.00	7.56	14.56	2.00	0.00	1.00	0.00
7.58	13.59	2.00	0.00	1.00	0.00	7.60	13.32	2.00	0.00	1.00	0.00
7.62	13.18	2.00	0.00	1.00	0.00	7.64	13.13	2.00	0.00	1.00	0.00
7.66	13.22	2.00	0.00	1.00	0.00	7.68	13.31	2.00	0.00	1.00	0.00
7.70	13.51	2.00	0.00	1.00	0.00	7.72	13.50	2.00	0.00	1.00	0.00
7.74	13.50	2.00	0.00	1.00	0.00	7.76	13.51	2.00	0.00	1.00	0.00
7.78	13.50	2.00	0.00	1.00	0.00	7.80	13.50	2.00	0.00	1.00	0.00
7.82	13.62	2.00	0.00	1.00	0.00	7.84	14.59	2.00	0.00	1.00	0.00
7.86	17.15	2.00	0.00	1.00	0.00	7.88	18.69	2.00	0.00	1.00	0.00
7.90	19.91	2.00	0.00	1.00	0.00	7.92	20.22	2.00	0.00	1.00	0.00
7.94	18.00	2.00	0.00	1.00	0.00	7.96	14.35	2.00	0.00	1.00	0.00
7.98	13.01	2.00	0.00	1.00	0.00	8.00	12.36	2.00	0.00	1.00	0.00
8.02	12.03	2.00	0.00	1.00	0.00	8.04	12.16	2.00	0.00	1.00	0.00
8.06	12.29	2.00	0.00	1.00	0.00	8.08	12.72	2.00	0.00	1.00	0.00
8.10	70.29	0.64	4.53	1.00	0.09	8.12	72.00	0.65	4.43	1.00	0.09
8.14	74.11	0.67	4.31	1.00	0.09	8.16	75.93	0.68	4.21	1.00	0.08
8.18	76.46	0.68	4.19	1.00	0.08	8.20	76.72	0.68	4.17	1.00	0.08
8.22	77.15	0.69	4.15	1.00	0.08	8.24	77.37	0.69	4.14	1.00	0.08
8.26	76.90	0.69	4.16	1.00	0.08	8.28	18.92	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.30	16.92	2.00	0.00	1.00	0.00	8.32	15.16	2.00	0.00	1.00	0.00
8.34	12.36	2.00	0.00	1.00	0.00	8.36	10.22	2.00	0.00	1.00	0.00
8.38	8.87	2.00	0.00	1.00	0.00	8.40	8.53	2.00	0.00	1.00	0.00
8.42	7.78	2.00	0.00	1.00	0.00	8.44	7.68	2.00	0.00	1.00	0.00
8.46	7.67	2.00	0.00	1.00	0.00	8.48	7.68	2.00	0.00	1.00	0.00
8.50	7.68	2.00	0.00	1.00	0.00	8.52	7.85	2.00	0.00	1.00	0.00
8.54	8.30	2.00	0.00	1.00	0.00	8.56	8.42	2.00	0.00	1.00	0.00
8.58	8.31	2.00	0.00	1.00	0.00	8.60	8.66	2.00	0.00	1.00	0.00
8.62	9.02	2.00	0.00	1.00	0.00	8.64	10.23	2.00	0.00	1.00	0.00
8.66	11.17	2.00	0.00	1.00	0.00	8.68	11.53	2.00	0.00	1.00	0.00
8.70	11.15	2.00	0.00	1.00	0.00	8.72	9.91	2.00	0.00	1.00	0.00
8.74	9.17	2.00	0.00	1.00	0.00	8.76	8.82	2.00	0.00	1.00	0.00
8.78	8.71	2.00	0.00	1.00	0.00	8.80	8.77	2.00	0.00	1.00	0.00
8.82	8.84	2.00	0.00	1.00	0.00	8.84	10.50	2.00	0.00	1.00	0.00
8.86	12.15	2.00	0.00	1.00	0.00	8.88	12.14	2.00	0.00	1.00	0.00
8.90	11.64	2.00	0.00	1.00	0.00	8.92	10.36	2.00	0.00	1.00	0.00
8.94	10.14	2.00	0.00	1.00	0.00	8.96	9.92	2.00	0.00	1.00	0.00
8.97	9.73	2.00	0.00	1.00	0.00	8.99	9.65	2.00	0.00	1.00	0.00
9.01	9.57	2.00	0.00	1.00	0.00	9.03	9.96	2.00	0.00	1.00	0.00
9.05	9.42	2.00	0.00	1.00	0.00	9.07	8.69	2.00	0.00	1.00	0.00
9.09	7.52	2.00	0.00	1.00	0.00	9.11	6.58	2.00	0.00	1.00	0.00
9.13	6.07	2.00	0.00	1.00	0.00	9.15	5.90	2.00	0.00	1.00	0.00
9.17	5.80	2.00	0.00	1.00	0.00	9.19	5.76	2.00	0.00	1.00	0.00
9.21	5.75	2.00	0.00	1.00	0.00	9.23	5.75	2.00	0.00	1.00	0.00
9.25	5.74	2.00	0.00	1.00	0.00	9.27	5.74	2.00	0.00	1.00	0.00
9.29	5.73	2.00	0.00	1.00	0.00	9.31	6.25	2.00	0.00	1.00	0.00
9.33	9.20	2.00	0.00	1.00	0.00	9.35	13.62	2.00	0.00	1.00	0.00
9.37	17.11	2.00	0.00	1.00	0.00	9.39	17.46	2.00	0.00	1.00	0.00
9.41	15.50	2.00	0.00	1.00	0.00	9.43	12.22	2.00	0.00	1.00	0.00
9.45	9.93	2.00	0.00	1.00	0.00	9.47	9.92	2.00	0.00	1.00	0.00
9.49	9.92	2.00	0.00	1.00	0.00	9.51	9.92	2.00	0.00	1.00	0.00
9.53	9.97	2.00	0.00	1.00	0.00	9.55	12.36	2.00	0.00	1.00	0.00
9.57	15.35	2.00	0.00	1.00	0.00	9.59	18.00	2.00	0.00	1.00	0.00
9.61	19.08	2.00	0.00	1.00	0.00	9.63	19.19	2.00	0.00	1.00	0.00
9.65	18.38	2.00	0.00	1.00	0.00	9.67	16.43	2.00	0.00	1.00	0.00
9.69	13.89	2.00	0.00	1.00	0.00	9.71	13.73	2.00	0.00	1.00	0.00
9.73	13.75	2.00	0.00	1.00	0.00	9.75	13.77	2.00	0.00	1.00	0.00
9.77	14.21	2.00	0.00	1.00	0.00	9.79	15.09	2.00	0.00	1.00	0.00
9.81	15.66	2.00	0.00	1.00	0.00	9.83	15.01	2.00	0.00	1.00	0.00
9.85	14.19	2.00	0.00	1.00	0.00	9.87	14.14	2.00	0.00	1.00	0.00
9.89	14.13	2.00	0.00	1.00	0.00	9.91	14.12	2.00	0.00	1.00	0.00
9.93	14.23	2.00	0.00	1.00	0.00	9.95	15.65	2.00	0.00	1.00	0.00
9.97	17.77	2.00	0.00	1.00	0.00	9.99	19.84	2.00	0.00	1.00	0.00
10.01	20.57	2.00	0.00	1.00	0.00	10.03	20.62	2.00	0.00	1.00	0.00
10.05	19.88	2.00	0.00	1.00	0.00	10.07	19.28	2.00	0.00	1.00	0.00
10.09	19.09	2.00	0.00	1.00	0.00	10.11	18.87	2.00	0.00	1.00	0.00
10.13	18.38	2.00	0.00	1.00	0.00	10.15	17.26	2.00	0.00	1.00	0.00
10.17	16.67	2.00	0.00	1.00	0.00	10.19	15.68	2.00	0.00	1.00	0.00
10.21	14.29	2.00	0.00	1.00	0.00	10.23	13.72	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.25	13.36	2.00	0.00	1.00	0.00	10.27	13.40	2.00	0.00	1.00	0.00
10.29	11.61	2.00	0.00	1.00	0.00	10.31	11.52	2.00	0.00	1.00	0.00
10.33	11.50	2.00	0.00	1.00	0.00	10.35	11.59	2.00	0.00	1.00	0.00
10.37	11.69	2.00	0.00	1.00	0.00	10.39	12.14	2.00	0.00	1.00	0.00
10.41	14.15	2.00	0.00	1.00	0.00	10.43	75.12	0.70	4.26	1.00	0.08
10.45	75.06	0.70	4.26	1.00	0.09	10.47	16.53	2.00	0.00	1.00	0.00
10.49	14.52	2.00	0.00	1.00	0.00	10.51	14.25	2.00	0.00	1.00	0.00
10.53	13.99	2.00	0.00	1.00	0.00	10.55	13.78	2.00	0.00	1.00	0.00
10.57	13.45	2.00	0.00	1.00	0.00	10.59	13.46	2.00	0.00	1.00	0.00
10.61	13.47	2.00	0.00	1.00	0.00	10.63	13.61	2.00	0.00	1.00	0.00
10.65	15.99	2.00	0.00	1.00	0.00	10.67	75.07	0.70	4.26	1.00	0.08
10.69	77.76	0.72	4.12	1.00	0.08	10.71	78.71	0.72	4.07	1.00	0.08
10.73	77.50	0.72	4.13	1.00	0.08	10.75	75.13	0.70	4.26	1.00	0.08
10.77	73.79	0.69	4.33	1.00	0.09	10.79	14.34	2.00	0.00	1.00	0.00
10.81	11.40	2.00	0.00	1.00	0.00	10.83	9.77	2.00	0.00	1.00	0.00
10.85	8.23	2.00	0.00	1.00	0.00	10.87	7.65	2.00	0.00	1.00	0.00
10.89	7.30	2.00	0.00	1.00	0.00	10.91	7.17	2.00	0.00	1.00	0.00
10.93	7.13	2.00	0.00	1.00	0.00	10.95	7.08	2.00	0.00	1.00	0.00
10.97	7.07	2.00	0.00	1.00	0.00	10.99	7.06	2.00	0.00	1.00	0.00
11.01	7.06	2.00	0.00	1.00	0.00	11.03	7.06	2.00	0.00	1.00	0.00
11.05	7.10	2.00	0.00	1.00	0.00	11.07	7.07	2.00	0.00	1.00	0.00
11.09	7.07	2.00	0.00	1.00	0.00	11.11	7.06	2.00	0.00	1.00	0.00
11.13	7.07	2.00	0.00	1.00	0.00	11.15	7.08	2.00	0.00	1.00	0.00
11.17	7.46	2.00	0.00	1.00	0.00	11.19	7.12	2.00	0.00	1.00	0.00
11.21	6.90	2.00	0.00	1.00	0.00	11.23	6.78	2.00	0.00	1.00	0.00
11.25	6.77	2.00	0.00	1.00	0.00	11.27	6.77	2.00	0.00	1.00	0.00
11.29	6.77	2.00	0.00	1.00	0.00	11.31	6.77	2.00	0.00	1.00	0.00
11.33	6.78	2.00	0.00	1.00	0.00	11.35	6.78	2.00	0.00	1.00	0.00
11.37	6.83	2.00	0.00	1.00	0.00	11.39	6.95	2.00	0.00	1.00	0.00
11.41	7.28	2.00	0.00	1.00	0.00	11.43	7.64	2.00	0.00	1.00	0.00
11.45	7.52	2.00	0.00	1.00	0.00	11.47	7.52	2.00	0.00	1.00	0.00
11.49	7.52	2.00	0.00	1.00	0.00	11.51	7.61	2.00	0.00	1.00	0.00
11.53	7.79	2.00	0.00	1.00	0.00	11.55	8.17	2.00	0.00	1.00	0.00
11.57	10.99	2.00	0.00	1.00	0.00	11.59	78.17	0.73	4.10	1.00	0.08
11.61	87.81	0.81	3.66	1.00	0.07	11.63	90.51	0.83	3.55	1.00	0.07
11.65	90.88	0.84	3.54	1.00	0.07	11.67	86.50	0.80	3.72	1.00	0.07
11.69	83.00	0.77	3.87	1.00	0.08	11.71	76.59	0.72	4.18	1.00	0.08
11.73	75.18	0.71	4.25	1.00	0.08	11.75	76.79	0.72	4.17	1.00	0.08
11.77	77.43	0.73	4.14	1.00	0.08	11.79	77.47	0.73	4.13	1.00	0.08
11.81	77.46	0.73	4.13	1.00	0.08	11.83	77.30	0.73	4.14	1.00	0.08
11.85	77.61	0.73	4.13	1.00	0.08	11.87	77.24	0.73	4.15	1.00	0.08
11.89	77.87	0.73	4.11	1.00	0.08	11.91	80.23	0.75	4.00	1.00	0.08
11.93	87.48	0.81	3.67	1.00	0.07	11.95	87.02	0.81	3.69	1.00	0.07
11.97	88.11	0.82	3.65	1.00	0.07	11.99	87.89	0.82	3.66	1.00	0.07
12.01	87.36	0.81	3.68	1.00	0.07	12.03	86.36	0.80	3.72	1.00	0.07
12.05	83.13	0.78	3.86	1.00	0.08	12.07	81.25	0.76	3.95	1.00	0.08
12.09	79.63	0.75	4.03	1.00	0.08	12.11	76.05	0.73	4.21	1.00	0.08
12.13	75.41	0.72	4.24	1.00	0.08	12.15	75.46	0.72	4.24	1.00	0.08
12.17	73.92	0.71	4.32	1.00	0.09	12.19	75.85	0.73	4.22	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.21	74.50	0.72	4.29	1.00	0.09	12.23	74.40	0.72	4.30	1.00	0.09
12.25	74.74	0.72	4.28	1.00	0.09	12.27	75.27	0.72	4.25	1.00	0.08
12.29	76.18	0.73	4.20	1.00	0.08	12.31	76.60	0.73	4.18	1.00	0.08
12.33	77.85	0.74	4.12	1.00	0.08	12.35	78.22	0.74	4.10	1.00	0.08
12.37	79.14	0.75	4.05	1.00	0.08	12.39	79.40	0.75	4.04	1.00	0.08
12.41	78.71	0.75	4.07	1.00	0.08	12.43	76.47	0.73	4.19	1.00	0.08
12.45	73.30	0.71	4.36	1.00	0.09	12.47	69.18	0.69	4.60	1.00	0.09
12.49	65.47	0.66	4.84	1.00	0.10	12.51	62.25	0.65	5.06	1.00	0.10
12.53	60.63	0.64	5.19	1.00	0.10	12.55	60.26	0.63	5.21	1.00	0.10
12.57	63.35	0.65	4.99	1.00	0.10	12.59	66.54	0.67	4.77	1.00	0.09
12.61	70.64	0.70	4.51	1.00	0.09	12.63	72.25	0.71	4.42	1.00	0.09
12.65	71.62	0.70	4.45	1.00	0.09	12.67	72.28	0.71	4.42	1.00	0.09
12.68	88.66	0.84	3.63	1.00	0.07	12.70	103.85	1.00	1.34	1.00	0.03
12.72	113.88	1.16	0.70	1.00	0.01	12.74	110.51	1.10	0.85	1.00	0.02
12.76	105.98	1.03	1.13	1.00	0.02	12.78	104.56	1.01	1.25	1.00	0.02
12.80	103.02	0.99	1.40	1.00	0.03	12.82	98.85	0.94	2.09	1.00	0.04
12.84	87.51	0.83	3.67	1.00	0.07	12.86	83.27	0.79	3.86	1.00	0.08
12.88	83.05	0.79	3.87	1.00	0.08	12.90	83.02	0.79	3.87	1.00	0.08
12.92	83.00	0.79	3.87	1.00	0.08	12.94	83.76	0.80	3.83	1.00	0.08
12.96	85.18	0.81	3.77	1.00	0.08	12.98	87.84	0.84	3.66	1.00	0.07
13.00	91.81	0.87	3.50	1.00	0.07	13.02	94.60	0.90	3.40	1.00	0.07
13.04	96.34	0.92	2.79	1.00	0.06	13.06	98.23	0.94	2.13	1.00	0.04
13.08	96.77	0.93	2.58	1.00	0.05	13.10	90.34	0.86	3.56	1.00	0.07
13.12	90.27	0.86	3.56	1.00	0.07	13.14	93.12	0.89	3.45	1.00	0.07
13.16	85.28	0.82	3.77	1.00	0.08	13.18	22.50	2.00	0.00	1.00	0.00
13.20	18.67	2.00	0.00	1.00	0.00	13.22	16.41	2.00	0.00	1.00	0.00
13.24	15.80	2.00	0.00	1.00	0.00	13.26	15.65	2.00	0.00	1.00	0.00
13.28	14.48	2.00	0.00	1.00	0.00	13.30	14.01	2.00	0.00	1.00	0.00
13.32	13.35	2.00	0.00	1.00	0.00	13.34	11.26	2.00	0.00	1.00	0.00
13.36	10.18	2.00	0.00	1.00	0.00	13.38	10.26	2.00	0.00	1.00	0.00
13.40	9.99	2.00	0.00	1.00	0.00	13.42	9.85	2.00	0.00	1.00	0.00
13.44	9.67	2.00	0.00	1.00	0.00	13.46	9.63	2.00	0.00	1.00	0.00
13.48	9.63	2.00	0.00	1.00	0.00	13.50	9.62	2.00	0.00	1.00	0.00
13.52	9.61	2.00	0.00	1.00	0.00	13.54	9.61	2.00	0.00	1.00	0.00
13.56	9.84	2.00	0.00	1.00	0.00	13.58	9.88	2.00	0.00	1.00	0.00
13.60	9.84	2.00	0.00	1.00	0.00	13.62	9.51	2.00	0.00	1.00	0.00
13.64	9.50	2.00	0.00	1.00	0.00	13.66	9.50	2.00	0.00	1.00	0.00
13.68	9.50	2.00	0.00	1.00	0.00	13.70	9.51	2.00	0.00	1.00	0.00
13.72	9.73	2.00	0.00	1.00	0.00	13.74	9.60	2.00	0.00	1.00	0.00
13.76	9.59	2.00	0.00	1.00	0.00	13.78	9.58	2.00	0.00	1.00	0.00
13.80	10.29	2.00	0.00	1.00	0.00	13.82	10.81	2.00	0.00	1.00	0.00
13.84	11.37	2.00	0.00	1.00	0.00	13.86	11.79	2.00	0.00	1.00	0.00
13.88	11.91	2.00	0.00	1.00	0.00	13.90	11.84	2.00	0.00	1.00	0.00
13.92	11.81	2.00	0.00	1.00	0.00	13.94	11.77	2.00	0.00	1.00	0.00
13.96	11.77	2.00	0.00	1.00	0.00	13.98	11.76	2.00	0.00	1.00	0.00
14.00	11.75	2.00	0.00	1.00	0.00	14.02	11.75	2.00	0.00	1.00	0.00
14.04	11.79	2.00	0.00	1.00	0.00	14.06	12.13	2.00	0.00	1.00	0.00
14.08	11.77	2.00	0.00	1.00	0.00	14.10	11.55	2.00	0.00	1.00	0.00
14.12	11.24	2.00	0.00	1.00	0.00	14.14	10.75	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.16	10.53	2.00	0.00	1.00	0.00	14.18	10.37	2.00	0.00	1.00	0.00
14.20	10.02	2.00	0.00	1.00	0.00	14.22	9.82	2.00	0.00	1.00	0.00
14.24	9.89	2.00	0.00	1.00	0.00	14.26	9.61	2.00	0.00	1.00	0.00
14.28	9.36	2.00	0.00	1.00	0.00	14.30	9.03	2.00	0.00	1.00	0.00
14.32	8.88	2.00	0.00	1.00	0.00	14.34	8.84	2.00	0.00	1.00	0.00
14.36	9.05	2.00	0.00	1.00	0.00	14.38	9.27	2.00	0.00	1.00	0.00
14.40	10.23	2.00	0.00	1.00	0.00	14.42	14.49	2.00	0.00	1.00	0.00
14.44	19.58	2.00	0.00	1.00	0.00	14.46	22.62	2.00	0.00	1.00	0.00
14.48	24.07	2.00	0.00	1.00	0.00	14.50	24.77	2.00	0.00	1.00	0.00
14.52	25.58	2.00	0.00	1.00	0.00	14.54	25.65	2.00	0.00	1.00	0.00
14.56	25.46	2.00	0.00	1.00	0.00	14.58	25.47	2.00	0.00	1.00	0.00
14.60	25.48	2.00	0.00	1.00	0.00	14.62	25.55	2.00	0.00	1.00	0.00
14.64	25.73	2.00	0.00	1.00	0.00	14.66	26.78	2.00	0.00	1.00	0.00
14.68	27.30	2.00	0.00	1.00	0.00	14.70	86.59	0.87	3.71	1.00	0.07
14.72	86.64	0.87	3.71	1.00	0.07	14.74	88.58	0.89	3.63	1.00	0.07
14.76	89.16	0.90	3.61	1.00	0.07	14.78	88.13	0.89	3.65	1.00	0.07
14.80	86.80	0.87	3.70	1.00	0.07	14.82	84.36	0.85	3.81	1.00	0.08
14.84	83.64	0.85	3.84	1.00	0.08	14.86	83.15	0.84	3.86	1.00	0.08
14.88	82.93	0.84	3.87	1.00	0.08	14.90	82.90	0.84	3.87	1.00	0.08
14.91	82.90	0.84	3.87	1.00	0.08	14.93	83.28	0.85	3.86	1.00	0.08
14.95	83.13	0.84	3.86	1.00	0.08	14.97	83.83	0.85	3.83	1.00	0.08
14.99	84.50	0.86	3.80	1.00	0.08	15.01	87.39	0.88	3.68	1.00	0.07
15.03	88.82	0.90	3.62	1.00	0.07	15.05	92.48	0.94	2.78	1.00	0.06
15.07	93.59	0.95	2.32	1.00	0.05	15.09	93.98	0.95	2.18	1.00	0.04
15.11	94.13	0.96	2.12	1.00	0.04	15.13	94.37	0.96	2.05	1.00	0.04
15.15	94.08	0.96	2.11	1.00	0.04	15.17	97.21	0.99	1.50	1.00	0.03
15.19	107.65	1.14	0.74	1.00	0.01	15.21	111.79	1.21	0.59	1.00	0.01
15.23	112.06	1.22	0.58	1.00	0.01	15.25	114.01	1.25	0.52	1.00	0.01
15.27	114.99	1.27	0.49	1.00	0.01	15.29	113.64	1.25	0.53	1.00	0.01
15.31	111.65	1.21	0.59	1.00	0.01	15.33	110.94	1.20	0.61	1.00	0.01
15.35	98.06	1.01	1.34	1.00	0.03	15.37	95.31	0.98	1.72	1.00	0.03
15.39	96.19	0.99	1.57	1.00	0.03	15.41	92.33	0.95	2.48	1.00	0.05
15.43	87.06	0.89	3.69	1.00	0.07	15.45	81.91	0.85	3.92	1.00	0.08
15.47	79.57	0.83	4.03	1.00	0.08	15.49	77.27	0.81	4.14	1.00	0.08
15.51	76.82	0.81	4.17	1.00	0.08	15.53	76.73	0.81	4.17	1.00	0.08
15.55	76.81	0.81	4.17	1.00	0.08	15.57	76.88	0.81	4.16	1.00	0.08
15.59	77.19	0.81	4.15	1.00	0.08	15.61	77.59	0.82	4.13	1.00	0.08
15.63	20.71	2.00	0.00	1.00	0.00	15.65	77.66	0.82	4.12	1.00	0.08
15.67	77.98	0.82	4.11	1.00	0.08	15.69	79.03	0.83	4.06	1.00	0.08
15.71	80.82	0.85	3.97	1.00	0.08	15.73	85.97	0.89	3.74	1.00	0.07
15.75	92.66	0.96	2.14	1.00	0.04	15.77	96.99	1.01	1.36	1.00	0.03
15.79	98.54	1.03	1.20	1.00	0.02	15.81	104.58	1.11	0.81	1.00	0.02
15.83	105.74	1.13	0.76	1.00	0.02	15.85	107.33	1.16	0.69	1.00	0.01
15.87	108.28	1.17	0.66	1.00	0.01	15.89	113.05	1.26	0.51	1.00	0.01
15.91	106.16	1.14	0.73	1.00	0.01	15.93	98.20	1.03	1.19	1.00	0.02
15.95	92.76	0.97	1.98	1.00	0.04	15.97	93.55	0.98	1.80	1.00	0.04
15.99	91.91	0.96	2.19	1.00	0.04	16.01	95.00	1.00	1.53	1.00	0.03
16.03	91.26	0.95	2.37	1.00	0.05	16.05	90.85	0.95	2.51	1.00	0.05
16.07	90.11	0.94	2.83	1.00	0.06	16.09	92.79	0.97	1.89	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.11	81.01	0.86	3.96	1.00	0.08	16.13	84.29	0.89	3.81	1.00	0.08
16.15	89.21	0.94	3.28	1.00	0.07	16.17	91.22	0.96	2.27	1.00	0.05
16.19	85.94	0.91	3.74	1.00	0.07	16.21	74.39	0.81	4.30	1.00	0.09
16.23	75.31	0.82	4.25	1.00	0.08	16.25	81.61	0.87	3.93	1.00	0.08
16.27	82.82	0.88	3.88	1.00	0.08	16.29	82.61	0.88	3.89	1.00	0.08
16.31	83.13	0.88	3.86	1.00	0.08	16.33	84.34	0.89	3.81	1.00	0.08
16.35	85.35	0.90	3.76	1.00	0.07	16.37	86.30	0.91	3.72	1.00	0.07
16.39	87.89	0.93	3.66	1.00	0.07	16.41	89.72	0.95	2.67	1.00	0.05
16.43	90.24	0.96	2.43	1.00	0.05	16.45	88.65	0.94	3.23	1.00	0.06
16.47	87.54	0.93	3.67	1.00	0.07	16.49	84.85	0.90	3.79	1.00	0.08
16.51	82.60	0.88	3.89	1.00	0.08	16.53	78.51	0.85	4.08	1.00	0.08
16.55	77.17	0.84	4.15	1.00	0.08	16.57	76.97	0.84	4.16	1.00	0.08
16.59	76.60	0.83	4.18	1.00	0.08	16.61	76.55	0.83	4.18	1.00	0.08
16.63	76.56	0.84	4.18	1.00	0.08	16.65	76.51	0.84	4.18	1.00	0.08
16.67	75.78	0.83	4.22	1.00	0.08	16.69	75.71	0.83	4.23	1.00	0.08
16.71	75.87	0.83	4.22	1.00	0.08	16.72	76.46	0.84	4.19	1.00	0.08
16.74	76.89	0.84	4.16	1.00	0.08	16.76	77.49	0.85	4.13	1.00	0.08
16.78	21.39	2.00	0.00	1.00	0.00	16.80	21.96	2.00	0.00	1.00	0.00
16.82	21.52	2.00	0.00	1.00	0.00	16.84	21.48	2.00	0.00	1.00	0.00
16.86	78.40	0.86	4.09	1.00	0.08	16.88	78.04	0.85	4.11	1.00	0.08
16.90	77.96	0.85	4.11	1.00	0.08	16.92	78.03	0.85	4.11	1.00	0.08
16.94	78.18	0.86	4.10	1.00	0.08	16.96	78.75	0.86	4.07	1.00	0.08
16.98	78.78	0.86	4.07	1.00	0.08	17.00	79.11	0.87	4.05	1.00	0.08
17.02	79.83	0.87	4.02	1.00	0.08	17.04	79.87	0.87	4.02	1.00	0.08
17.06	79.56	0.87	4.03	1.00	0.08	17.08	78.10	0.86	4.10	1.00	0.08
17.10	76.85	0.85	4.17	1.00	0.08	17.12	75.44	0.84	4.24	1.00	0.08
17.14	16.57	2.00	0.00	1.00	0.00	17.16	14.15	2.00	0.00	1.00	0.00
17.18	11.49	2.00	0.00	1.00	0.00	17.20	9.31	2.00	0.00	1.00	0.00
17.22	8.52	2.00	0.00	1.00	0.00	17.24	8.16	2.00	0.00	1.00	0.00
17.26	7.81	2.00	0.00	1.00	0.00	17.28	7.96	2.00	0.00	1.00	0.00
17.30	7.51	2.00	0.00	1.00	0.00	17.32	6.94	2.00	0.00	1.00	0.00
17.34	6.54	2.00	0.00	1.00	0.00	17.36	5.92	2.00	0.00	1.00	0.00
17.38	5.59	2.00	0.00	1.00	0.00	17.40	5.70	2.00	0.00	1.00	0.00
17.42	5.82	2.00	0.00	1.00	0.00	17.44	6.11	2.00	0.00	1.00	0.00
17.46	6.70	2.00	0.00	1.00	0.00	17.48	7.90	2.00	0.00	1.00	0.00
17.50	11.07	2.00	0.00	1.00	0.00	17.52	12.81	2.00	0.00	1.00	0.00
17.54	12.91	2.00	0.00	1.00	0.00	17.56	12.18	2.00	0.00	1.00	0.00
17.58	12.16	2.00	0.00	1.00	0.00	17.60	12.16	2.00	0.00	1.00	0.00
17.62	12.15	2.00	0.00	1.00	0.00	17.64	12.42	2.00	0.00	1.00	0.00
17.66	13.57	2.00	0.00	1.00	0.00	17.68	16.26	2.00	0.00	1.00	0.00
17.70	74.35	0.84	4.30	1.00	0.09	17.72	75.02	0.85	4.26	1.00	0.08
17.74	15.87	2.00	0.00	1.00	0.00	17.76	11.09	2.00	0.00	1.00	0.00
17.78	7.18	2.00	0.00	1.00	0.00	17.80	5.75	2.00	0.00	1.00	0.00
17.82	5.81	2.00	0.00	1.00	0.00	17.84	5.87	2.00	0.00	1.00	0.00
17.86	6.68	2.00	0.00	1.00	0.00	17.88	8.59	2.00	0.00	1.00	0.00
17.90	12.45	2.00	0.00	1.00	0.00	17.92	76.89	0.87	4.16	1.00	0.08
17.94	83.10	0.92	3.86	1.00	0.08	17.96	82.56	0.92	3.89	1.00	0.08
17.98	78.13	0.88	4.10	1.00	0.08	18.00	76.62	0.87	4.18	1.00	0.08
18.02	82.38	0.92	3.90	1.00	0.08	18.04	86.37	0.96	2.64	1.00	0.05

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.06	88.17	0.98	1.97	1.00	0.04	18.08	93.64	1.04	1.15	1.00	0.02
18.10	84.49	0.94	3.80	1.00	0.08	18.12	82.85	0.93	3.88	1.00	0.08
18.13	82.04	0.92	3.91	1.00	0.08	18.15	80.66	0.91	3.98	1.00	0.08
18.17	77.83	0.88	4.12	1.00	0.08	18.19	74.17	0.85	4.31	1.00	0.09
18.21	74.85	0.86	4.27	1.00	0.08	18.23	94.43	1.06	1.05	1.00	0.02
18.25	98.53	1.11	0.82	1.00	0.02	18.27	104.98	1.21	0.58	1.00	0.01
18.29	106.73	1.24	0.53	1.00	0.01	18.31	99.04	1.12	0.79	1.00	0.02
18.33	99.85	1.13	0.75	1.00	0.01	18.35	100.86	1.15	0.71	1.00	0.01
18.37	101.33	1.15	0.69	1.00	0.01	18.39	101.45	1.16	0.68	1.00	0.01
18.41	102.33	1.17	0.65	1.00	0.01	18.43	104.86	1.21	0.57	1.00	0.01
18.45	102.59	1.18	0.64	1.00	0.01	18.47	103.60	1.19	0.61	1.00	0.01
18.49	103.09	1.18	0.62	1.00	0.01	18.51	98.57	1.12	0.78	1.00	0.02
18.53	92.88	1.05	1.10	1.00	0.02	18.55	88.02	0.99	1.71	1.00	0.03
18.57	85.21	0.96	2.55	1.00	0.05	18.59	87.31	0.99	1.84	1.00	0.04
18.61	88.40	1.00	1.61	1.00	0.03	18.63	90.37	1.02	1.32	1.00	0.03
18.65	88.74	1.00	1.53	1.00	0.03	18.67	86.06	0.98	2.13	1.00	0.04
18.69	79.95	0.92	4.01	1.00	0.08	18.71	16.95	2.00	0.00	1.00	0.00
18.73	13.94	2.00	0.00	1.00	0.00	18.75	13.86	2.00	0.00	1.00	0.00
18.77	13.82	2.00	0.00	1.00	0.00	18.79	14.05	2.00	0.00	1.00	0.00
18.81	14.28	2.00	0.00	1.00	0.00	18.83	14.74	2.00	0.00	1.00	0.00
18.85	16.35	2.00	0.00	1.00	0.00	18.87	15.29	2.00	0.00	1.00	0.00
18.89	12.27	2.00	0.00	1.00	0.00	18.91	9.98	2.00	0.00	1.00	0.00
18.93	9.60	2.00	0.00	1.00	0.00	18.95	9.22	2.00	0.00	1.00	0.00
18.97	9.41	2.00	0.00	1.00	0.00	18.99	9.20	2.00	0.00	1.00	0.00
19.01	9.14	2.00	0.00	1.00	0.00	19.03	9.09	2.00	0.00	1.00	0.00
19.05	9.09	2.00	0.00	1.00	0.00	19.07	9.09	2.00	0.00	1.00	0.00
19.09	9.08	2.00	0.00	1.00	0.00	19.11	9.11	2.00	0.00	1.00	0.00
19.13	9.09	2.00	0.00	1.00	0.00	19.15	9.09	2.00	0.00	1.00	0.00
19.17	9.09	2.00	0.00	1.00	0.00	19.19	9.34	2.00	0.00	1.00	0.00
19.21	9.59	2.00	0.00	1.00	0.00	19.23	10.25	2.00	0.00	1.00	0.00
19.25	11.85	2.00	0.00	1.00	0.00	19.27	15.18	2.00	0.00	1.00	0.00
19.29	77.88	0.91	4.11	1.00	0.08	19.31	66.20	0.82	4.79	1.00	0.09
19.32	58.92	0.77	5.32	1.00	0.11	19.34	58.31	0.77	5.37	1.00	0.11
19.36	57.51	0.76	5.44	1.00	0.11	19.38	57.49	0.76	5.44	1.00	0.11
19.40	57.48	0.76	5.44	1.00	0.11	19.42	57.97	0.77	5.40	1.00	0.11
19.44	59.34	0.78	5.29	1.00	0.10	19.46	59.57	0.78	5.27	1.00	0.10
19.48	59.46	0.78	5.28	1.00	0.10	19.50	59.66	0.78	5.26	1.00	0.10

Total estimated settlement: 33.92

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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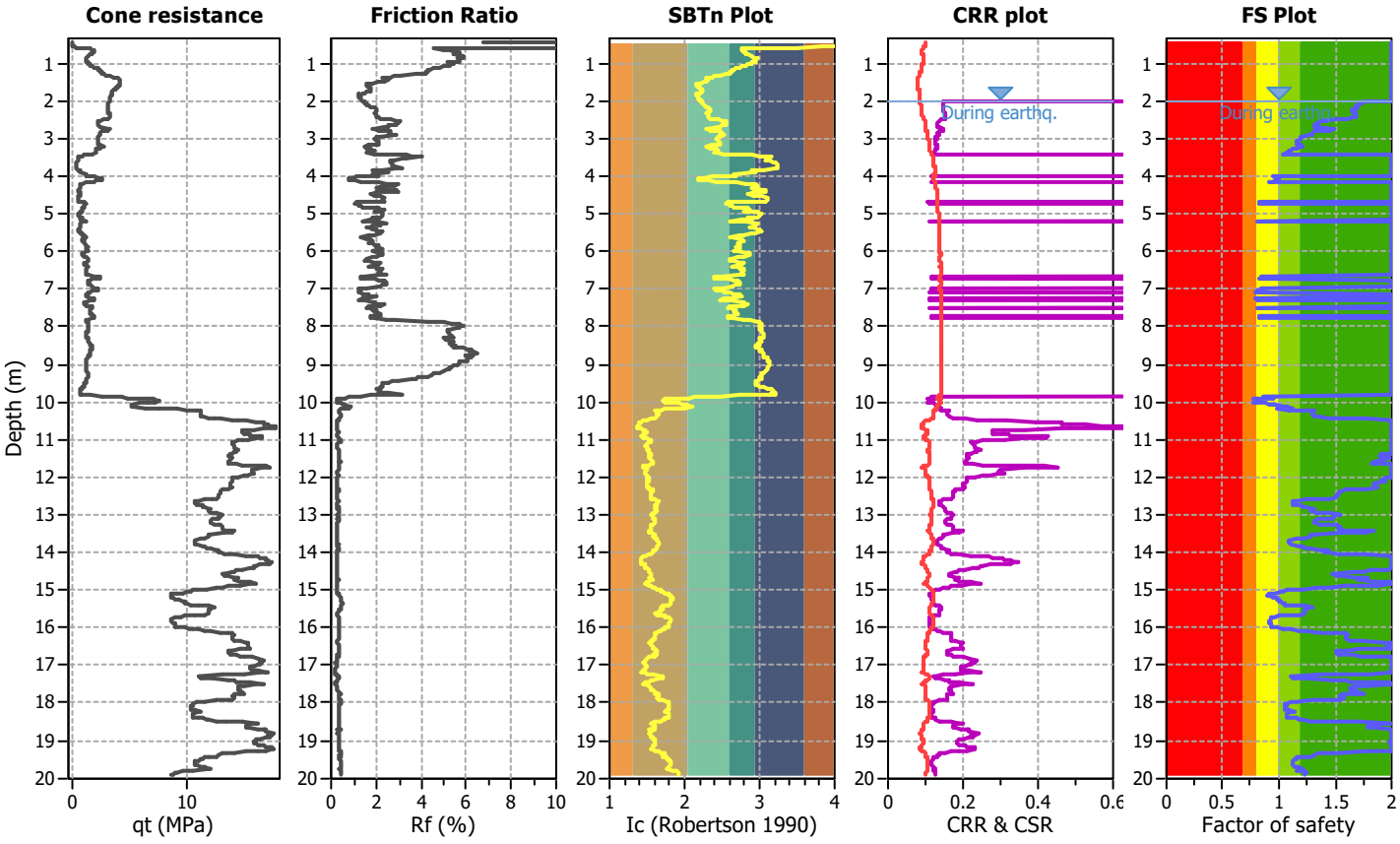
LIQUEFACTION ANALYSIS REPORT

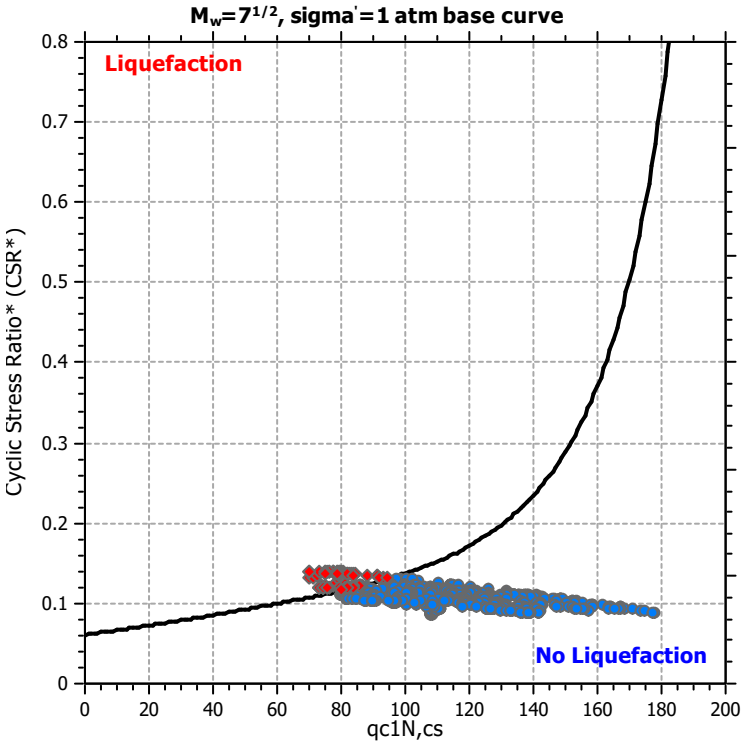
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

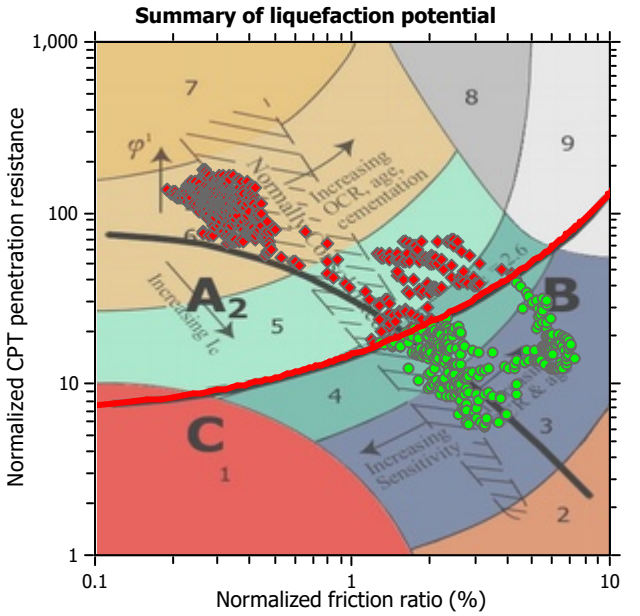
CPT file : P304 - CPTu-10

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

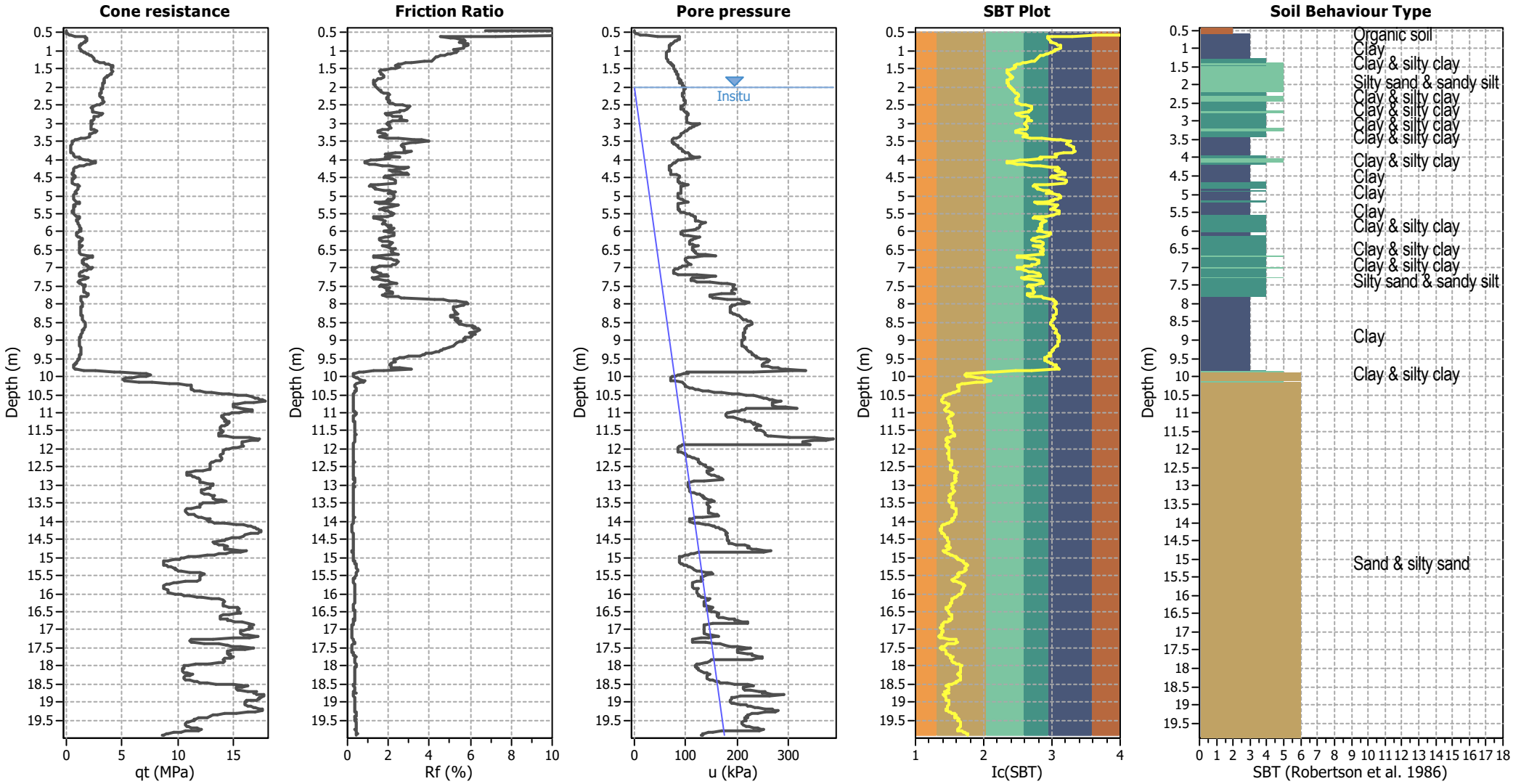






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



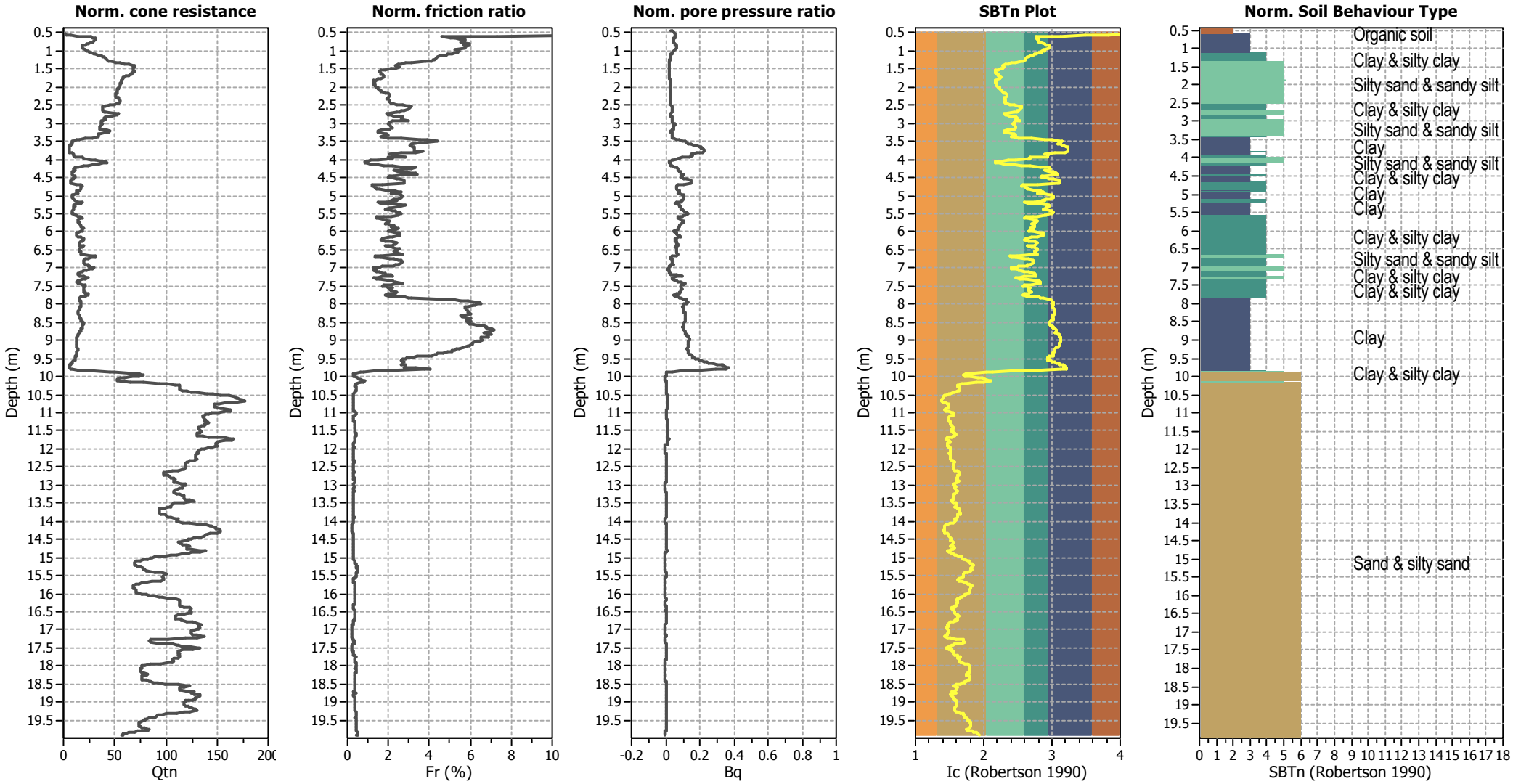
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



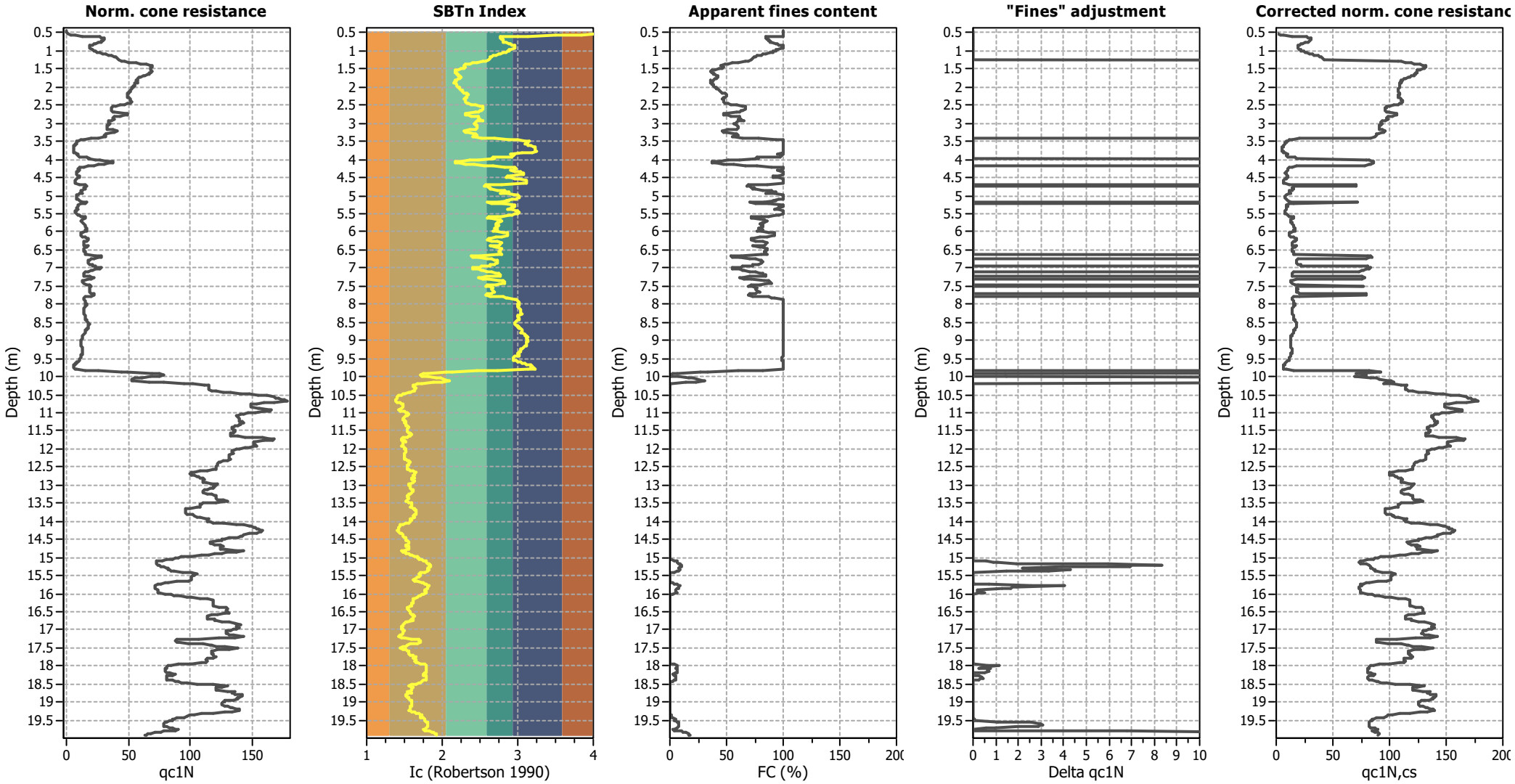
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

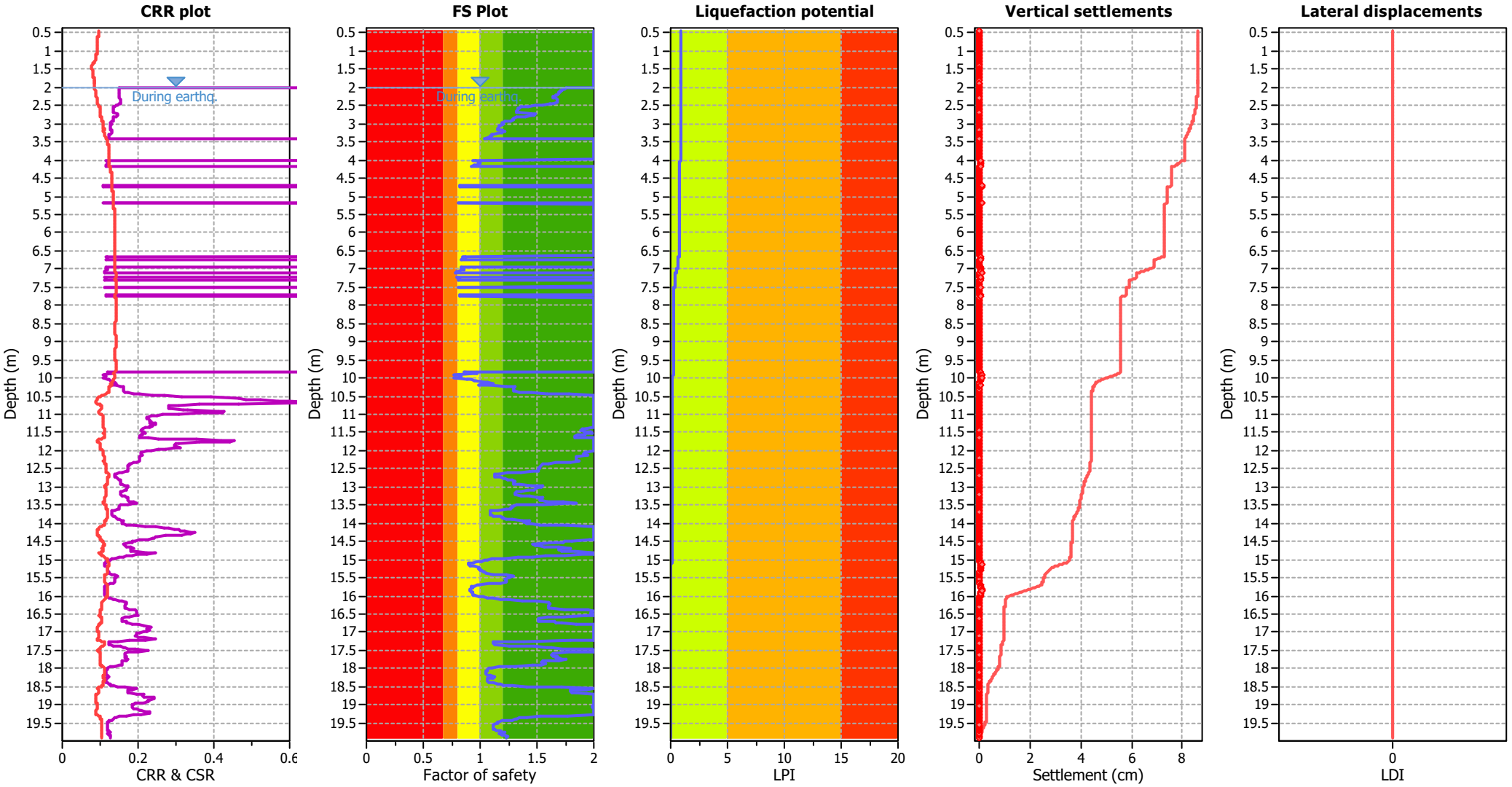
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

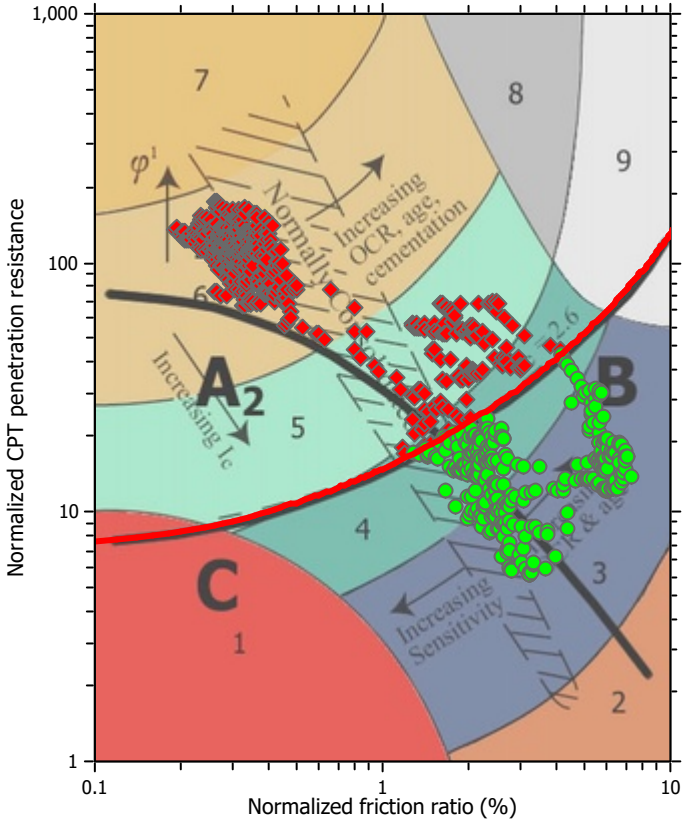
F.S. color scheme

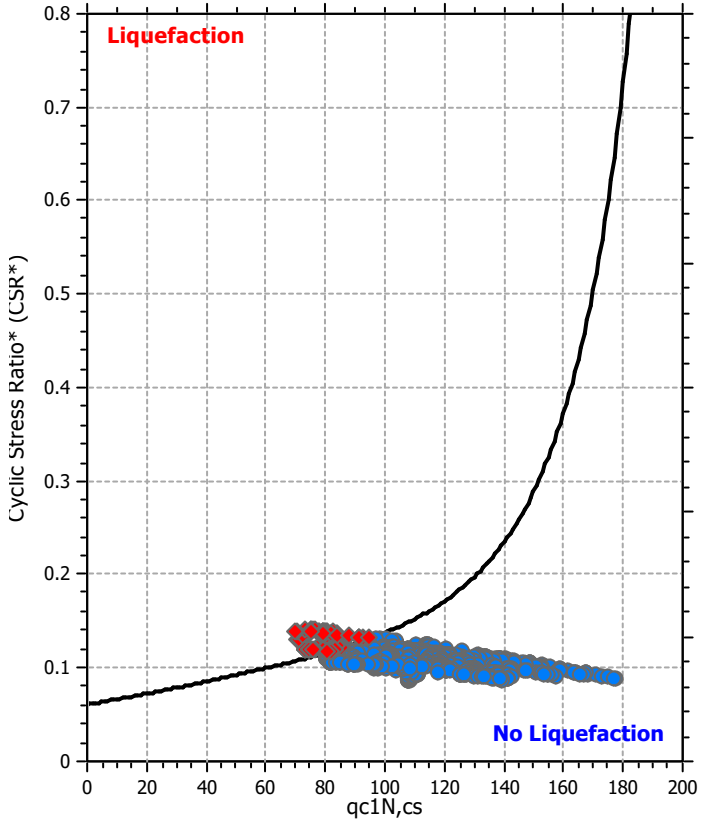
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

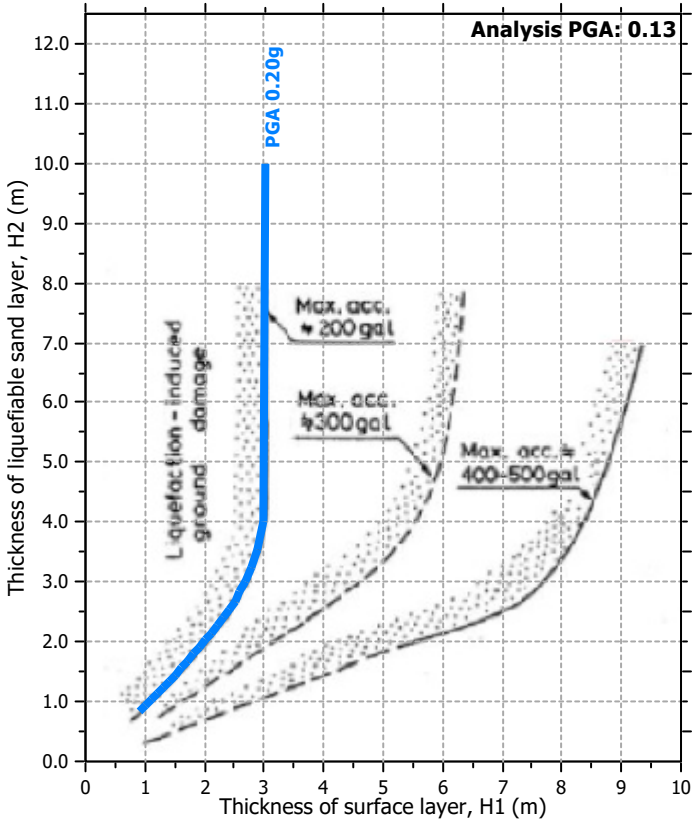
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



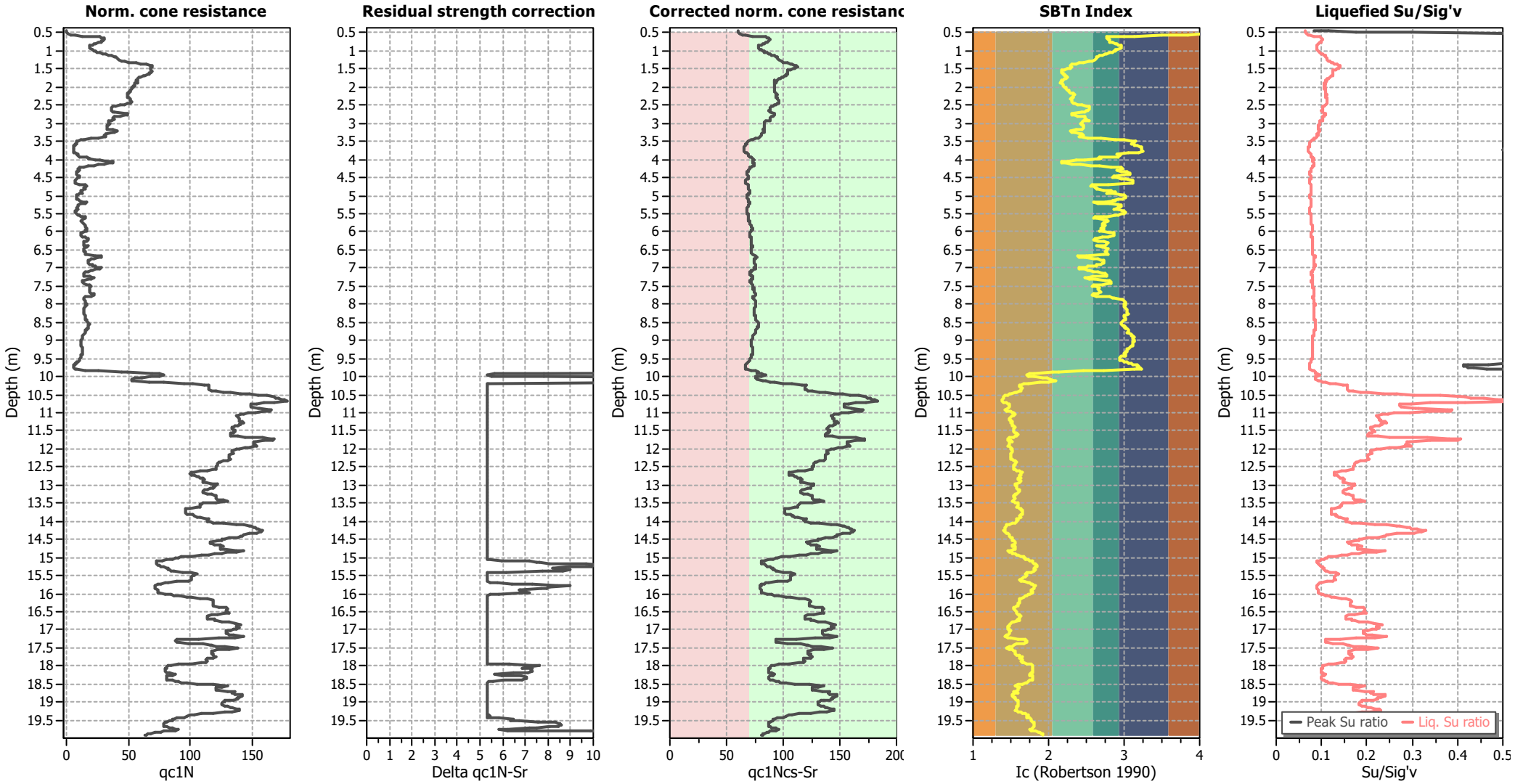




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.44	2.00	0.00	0.00	0.02	0.00	0.46	2.00	0.00	0.00	0.02	0.00
0.48	2.00	0.00	0.00	0.02	0.00	0.50	2.00	0.00	0.00	0.02	0.00
0.52	2.00	0.00	0.00	0.02	0.00	0.54	2.00	0.00	0.00	0.02	0.00
0.56	2.00	0.00	0.00	0.02	0.00	0.58	2.00	0.00	0.00	0.02	0.00
0.60	2.00	0.00	0.00	0.02	0.00	0.62	2.00	0.00	0.00	0.02	0.00
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	1.76	0.00	0.00	0.02	0.00
2.04	1.74	0.00	0.00	0.02	0.00	2.06	1.73	0.00	0.00	0.02	0.00
2.08	1.72	0.00	0.00	0.02	0.00	2.10	1.71	0.00	0.00	0.02	0.00
2.12	1.70	0.00	0.00	0.02	0.00	2.14	1.69	0.00	0.00	0.02	0.00
2.16	1.69	0.00	0.00	0.02	0.00	2.18	1.69	0.00	0.00	0.02	0.00
2.20	1.68	0.00	0.00	0.02	0.00	2.22	1.66	0.00	0.00	0.02	0.00
2.24	1.66	0.00	0.00	0.02	0.00	2.26	1.65	0.00	0.00	0.02	0.00
2.28	1.65	0.00	0.00	0.02	0.00	2.30	1.67	0.00	0.00	0.02	0.00
2.32	1.68	0.00	0.00	0.02	0.00	2.34	1.68	0.00	0.00	0.02	0.00
2.36	1.68	0.00	0.00	0.02	0.00	2.38	1.68	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.40	1.68	0.00	0.00	0.02	0.00	2.42	1.68	0.00	0.00	0.02	0.00
2.44	1.65	0.00	0.00	0.02	0.00	2.46	1.61	0.00	0.00	0.02	0.00
2.48	1.56	0.00	0.00	0.02	0.00	2.50	1.49	0.00	0.00	0.02	0.00
2.52	1.42	0.00	0.00	0.02	0.00	2.54	1.37	0.00	0.00	0.02	0.00
2.56	1.35	0.00	0.00	0.02	0.00	2.58	1.34	0.00	0.00	0.02	0.00
2.60	1.33	0.00	0.00	0.02	0.00	2.62	1.33	0.00	0.00	0.02	0.00
2.64	1.32	0.00	0.00	0.02	0.00	2.66	1.32	0.00	0.00	0.02	0.00
2.68	1.32	0.00	0.00	0.02	0.00	2.70	1.34	0.00	0.00	0.02	0.00
2.72	1.47	0.00	0.00	0.02	0.00	2.74	1.48	0.00	0.00	0.02	0.00
2.76	1.48	0.00	0.00	0.02	0.00	2.78	1.45	0.00	0.00	0.02	0.00
2.80	1.39	0.00	0.00	0.02	0.00	2.82	1.32	0.00	0.00	0.02	0.00
2.84	1.30	0.00	0.00	0.02	0.00	2.86	1.29	0.00	0.00	0.02	0.00
2.88	1.28	0.00	0.00	0.02	0.00	2.90	1.30	0.00	0.00	0.02	0.00
2.92	1.26	0.00	0.00	0.02	0.00	2.94	1.21	0.00	0.00	0.02	0.00
2.96	1.20	0.00	0.00	0.02	0.00	2.98	1.20	0.00	0.00	0.02	0.00
3.00	1.19	0.00	0.00	0.02	0.00	3.02	1.20	0.00	0.00	0.02	0.00
3.04	1.18	0.00	0.00	0.02	0.00	3.06	1.17	0.00	0.00	0.02	0.00
3.08	1.17	0.00	0.00	0.02	0.00	3.10	1.16	0.00	0.00	0.02	0.00
3.12	1.16	0.00	0.00	0.02	0.00	3.14	1.16	0.00	0.00	0.02	0.00
3.16	1.15	0.00	0.00	0.02	0.00	3.18	1.19	0.00	0.00	0.02	0.00
3.20	1.21	0.00	0.00	0.02	0.00	3.22	1.21	0.00	0.00	0.02	0.00
3.24	1.19	0.00	0.00	0.02	0.00	3.26	1.17	0.00	0.00	0.02	0.00
3.28	1.12	0.00	0.00	0.02	0.00	3.30	1.10	0.00	0.00	0.02	0.00
3.32	1.10	0.00	0.00	0.02	0.00	3.34	1.09	0.00	0.00	0.02	0.00
3.36	1.08	0.00	0.00	0.02	0.00	3.38	1.08	0.00	0.00	0.02	0.00
3.40	1.03	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	0.94	0.00	0.00	0.02	0.01	4.02	0.96	0.00	0.00	0.02	0.01
4.04	0.98	0.00	0.00	0.02	0.00	4.06	1.00	0.00	0.00	0.02	0.00
4.08	1.00	0.00	0.00	0.02	0.00	4.10	0.99	0.00	0.00	0.02	0.00
4.12	0.97	0.00	0.00	0.02	0.00	4.14	0.95	0.00	0.00	0.02	0.01
4.16	0.92	0.00	0.00	0.02	0.01	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	0.82	0.00	0.00	0.02	0.03
4.72	0.82	0.00	0.00	0.02	0.03	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.19	0.81	0.00	0.00	0.03	0.04
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	0.84	0.00	0.00	0.02	0.02
6.68	0.87	0.00	0.00	0.02	0.02	6.70	0.87	0.00	0.00	0.02	0.02
6.72	0.85	0.00	0.00	0.02	0.02	6.74	0.83	0.00	0.00	0.02	0.02
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	0.84	0.00	0.00	0.02	0.02	6.98	0.84	0.00	0.00	0.02	0.02
7.00	0.86	0.00	0.00	0.02	0.02	7.02	0.86	0.00	0.00	0.02	0.02
7.04	0.83	0.00	0.00	0.02	0.02	7.06	0.81	0.00	0.00	0.02	0.02
7.08	0.80	0.00	0.00	0.02	0.03	7.10	0.78	0.00	0.00	0.02	0.03
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	0.80	0.00	0.00	0.02	0.03	7.26	0.81	0.00	0.00	0.02	0.02
7.28	0.81	0.00	0.00	0.02	0.02	7.30	0.80	0.00	0.00	0.02	0.03
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	0.80	0.00	0.00	0.02	0.02
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	0.82	0.00	0.00	0.02	0.02	7.74	0.82	0.00	0.00	0.02	0.02
7.76	0.82	0.00	0.00	0.02	0.02	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	2.00	0.00	0.00	0.02	0.00	8.38	2.00	0.00	0.00	0.02	0.00
8.40	2.00	0.00	0.00	0.02	0.00	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.95	2.00	0.00	0.00	0.02	0.00	8.97	2.00	0.00	0.00	0.02	0.00
8.99	2.00	0.00	0.00	0.02	0.00	9.01	2.00	0.00	0.00	0.02	0.00
9.03	2.00	0.00	0.00	0.02	0.00	9.05	2.00	0.00	0.00	0.02	0.00
9.07	2.00	0.00	0.00	0.02	0.00	9.09	2.00	0.00	0.00	0.02	0.00
9.11	2.00	0.00	0.00	0.02	0.00	9.13	2.00	0.00	0.00	0.02	0.00
9.15	2.00	0.00	0.00	0.02	0.00	9.17	2.00	0.00	0.00	0.02	0.00
9.19	2.00	0.00	0.00	0.02	0.00	9.21	2.00	0.00	0.00	0.02	0.00
9.23	2.00	0.00	0.00	0.02	0.00	9.25	2.00	0.00	0.00	0.02	0.00
9.27	2.00	0.00	0.00	0.02	0.00	9.29	2.00	0.00	0.00	0.02	0.00
9.31	2.00	0.00	0.00	0.02	0.00	9.33	2.00	0.00	0.00	0.02	0.00
9.35	2.00	0.00	0.00	0.02	0.00	9.37	2.00	0.00	0.00	0.02	0.00
9.39	2.00	0.00	0.00	0.02	0.00	9.41	2.00	0.00	0.00	0.02	0.00
9.43	2.00	0.00	0.00	0.02	0.00	9.45	2.00	0.00	0.00	0.02	0.00
9.47	2.00	0.00	0.00	0.02	0.00	9.49	2.00	0.00	0.00	0.02	0.00
9.51	2.00	0.00	0.00	0.02	0.00	9.53	2.00	0.00	0.00	0.02	0.00
9.55	2.00	0.00	0.00	0.02	0.00	9.57	2.00	0.00	0.00	0.02	0.00
9.59	2.00	0.00	0.00	0.02	0.00	9.61	2.00	0.00	0.00	0.02	0.00
9.63	2.00	0.00	0.00	0.02	0.00	9.65	2.00	0.00	0.00	0.02	0.00
9.67	2.00	0.00	0.00	0.02	0.00	9.69	2.00	0.00	0.00	0.02	0.00
9.71	2.00	0.00	0.00	0.02	0.00	9.73	2.00	0.00	0.00	0.02	0.00
9.75	2.00	0.00	0.00	0.02	0.00	9.77	2.00	0.00	0.00	0.02	0.00
9.79	2.00	0.00	0.00	0.02	0.00	9.81	2.00	0.00	0.00	0.02	0.00
9.83	2.00	0.00	0.00	0.02	0.00	9.85	0.86	0.00	0.00	0.02	0.01
9.87	0.97	0.00	0.00	0.02	0.00	9.89	0.95	0.00	0.00	0.02	0.00
9.91	0.77	0.00	0.00	0.02	0.02	9.93	0.80	0.00	0.00	0.02	0.02
9.95	0.83	0.00	0.00	0.02	0.02	9.97	0.84	0.00	0.00	0.02	0.02
9.99	0.81	0.00	0.00	0.02	0.02	10.01	0.77	0.00	0.00	0.02	0.02
10.03	0.88	0.00	0.00	0.02	0.01	10.05	0.92	0.00	0.00	0.02	0.01
10.07	0.95	0.00	0.00	0.02	0.00	10.09	0.96	0.00	0.00	0.02	0.00
10.11	1.04	0.00	0.00	0.02	0.00	10.13	1.07	0.00	0.00	0.02	0.00
10.15	1.12	0.00	0.00	0.02	0.00	10.17	1.03	0.00	0.00	0.02	0.00
10.19	0.99	0.00	0.00	0.02	0.00	10.21	1.09	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.23	1.23	0.00	0.00	0.02	0.00	10.25	1.31	0.00	0.00	0.02	0.00
10.27	1.30	0.00	0.00	0.02	0.00	10.29	1.30	0.00	0.00	0.02	0.00
10.31	1.30	0.00	0.00	0.02	0.00	10.33	1.30	0.00	0.00	0.02	0.00
10.35	1.30	0.00	0.00	0.02	0.00	10.37	1.31	0.00	0.00	0.02	0.00
10.39	1.35	0.00	0.00	0.02	0.00	10.41	1.45	0.00	0.00	0.02	0.00
10.43	1.59	0.00	0.00	0.02	0.00	10.45	1.78	0.00	0.00	0.02	0.00
10.47	2.00	0.00	0.00	0.02	0.00	10.49	2.00	0.00	0.00	0.02	0.00
10.51	2.00	0.00	0.00	0.02	0.00	10.53	2.00	0.00	0.00	0.02	0.00
10.55	2.00	0.00	0.00	0.02	0.00	10.57	2.00	0.00	0.00	0.02	0.00
10.59	2.00	0.00	0.00	0.02	0.00	10.61	2.00	0.00	0.00	0.02	0.00
10.63	2.00	0.00	0.00	0.02	0.00	10.65	2.00	0.00	0.00	0.02	0.00
10.67	2.00	0.00	0.00	0.02	0.00	10.69	2.00	0.00	0.00	0.02	0.00
10.71	2.00	0.00	0.00	0.02	0.00	10.73	2.00	0.00	0.00	0.02	0.00
10.75	2.00	0.00	0.00	0.02	0.00	10.77	2.00	0.00	0.00	0.02	0.00
10.79	2.00	0.00	0.00	0.02	0.00	10.81	2.00	0.00	0.00	0.02	0.00
10.83	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.02	0.00
10.87	2.00	0.00	0.00	0.02	0.00	10.89	2.00	0.00	0.00	0.02	0.00
10.91	2.00	0.00	0.00	0.02	0.00	10.93	2.00	0.00	0.00	0.02	0.00
10.95	2.00	0.00	0.00	0.02	0.00	10.97	2.00	0.00	0.00	0.02	0.00
10.99	2.00	0.00	0.00	0.02	0.00	11.01	2.00	0.00	0.00	0.02	0.00
11.03	2.00	0.00	0.00	0.02	0.00	11.05	2.00	0.00	0.00	0.02	0.00
11.07	2.00	0.00	0.00	0.02	0.00	11.09	2.00	0.00	0.00	0.02	0.00
11.11	2.00	0.00	0.00	0.02	0.00	11.13	2.00	0.00	0.00	0.02	0.00
11.15	2.00	0.00	0.00	0.02	0.00	11.17	2.00	0.00	0.00	0.02	0.00
11.19	2.00	0.00	0.00	0.02	0.00	11.21	2.00	0.00	0.00	0.02	0.00
11.23	2.00	0.00	0.00	0.02	0.00	11.25	2.00	0.00	0.00	0.02	0.00
11.27	2.00	0.00	0.00	0.02	0.00	11.29	2.00	0.00	0.00	0.02	0.00
11.31	2.00	0.00	0.00	0.02	0.00	11.33	2.00	0.00	0.00	0.02	0.00
11.35	2.00	0.00	0.00	0.02	0.00	11.37	1.99	0.00	0.00	0.02	0.00
11.39	1.92	0.00	0.00	0.02	0.00	11.41	1.90	0.00	0.00	0.02	0.00
11.43	1.89	0.00	0.00	0.02	0.00	11.45	1.89	0.00	0.00	0.02	0.00
11.47	1.93	0.00	0.00	0.02	0.00	11.49	1.97	0.00	0.00	0.02	0.00
11.51	1.99	0.00	0.00	0.02	0.00	11.53	1.92	0.00	0.00	0.02	0.00
11.55	1.92	0.00	0.00	0.02	0.00	11.57	1.86	0.00	0.00	0.02	0.00
11.59	1.84	0.00	0.00	0.02	0.00	11.61	1.83	0.00	0.00	0.02	0.00
11.63	1.83	0.00	0.00	0.02	0.00	11.65	2.00	0.00	0.00	0.02	0.00
11.67	2.00	0.00	0.00	0.02	0.00	11.69	2.00	0.00	0.00	0.02	0.00
11.71	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	1.94	0.00	0.00	0.02	0.00	12.05	1.92	0.00	0.00	0.02	0.00
12.07	1.92	0.00	0.00	0.02	0.00	12.09	1.92	0.00	0.00	0.02	0.00
12.11	1.91	0.00	0.00	0.02	0.00	12.13	1.95	0.00	0.00	0.02	0.00
12.15	1.85	0.00	0.00	0.02	0.00	12.17	1.84	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.19	1.84	0.00	0.00	0.02	0.00	12.21	1.84	0.00	0.00	0.02	0.00
12.23	1.84	0.00	0.00	0.02	0.00	12.25	1.84	0.00	0.00	0.02	0.00
12.27	1.85	0.00	0.00	0.02	0.00	12.29	1.87	0.00	0.00	0.02	0.00
12.31	1.79	0.00	0.00	0.02	0.00	12.33	1.67	0.00	0.00	0.02	0.00
12.35	1.60	0.00	0.00	0.02	0.00	12.37	1.56	0.00	0.00	0.02	0.00
12.39	1.54	0.00	0.00	0.02	0.00	12.41	1.53	0.00	0.00	0.02	0.00
12.43	1.53	0.00	0.00	0.02	0.00	12.45	1.53	0.00	0.00	0.02	0.00
12.47	1.52	0.00	0.00	0.02	0.00	12.49	1.52	0.00	0.00	0.02	0.00
12.51	1.51	0.00	0.00	0.02	0.00	12.53	1.51	0.00	0.00	0.02	0.00
12.55	1.51	0.00	0.00	0.02	0.00	12.57	1.46	0.00	0.00	0.02	0.00
12.58	1.36	0.00	0.00	0.02	0.00	12.60	1.24	0.00	0.00	0.02	0.00
12.62	1.16	0.00	0.00	0.02	0.00	12.64	1.12	0.00	0.00	0.02	0.00
12.66	1.12	0.00	0.00	0.02	0.00	12.68	1.12	0.00	0.00	0.02	0.00
12.70	1.12	0.00	0.00	0.02	0.00	12.72	1.13	0.00	0.00	0.02	0.00
12.74	1.17	0.00	0.00	0.02	0.00	12.76	1.20	0.00	0.00	0.02	0.00
12.78	1.22	0.00	0.00	0.02	0.00	12.80	1.25	0.00	0.00	0.02	0.00
12.82	1.29	0.00	0.00	0.02	0.00	12.84	1.31	0.00	0.00	0.02	0.00
12.86	1.29	0.00	0.00	0.02	0.00	12.88	1.29	0.00	0.00	0.02	0.00
12.90	1.29	0.00	0.00	0.02	0.00	12.92	1.29	0.00	0.00	0.02	0.00
12.94	1.34	0.00	0.00	0.02	0.00	12.96	1.45	0.00	0.00	0.02	0.00
12.98	1.55	0.00	0.00	0.02	0.00	13.00	1.54	0.00	0.00	0.02	0.00
13.02	1.51	0.00	0.00	0.02	0.00	13.04	1.48	0.00	0.00	0.02	0.00
13.06	1.49	0.00	0.00	0.02	0.00	13.08	1.48	0.00	0.00	0.02	0.00
13.10	1.43	0.00	0.00	0.02	0.00	13.12	1.36	0.00	0.00	0.02	0.00
13.14	1.32	0.00	0.00	0.02	0.00	13.16	1.31	0.00	0.00	0.02	0.00
13.18	1.31	0.00	0.00	0.02	0.00	13.20	1.31	0.00	0.00	0.02	0.00
13.22	1.31	0.00	0.00	0.02	0.00	13.24	1.36	0.00	0.00	0.02	0.00
13.26	1.44	0.00	0.00	0.02	0.00	13.28	1.51	0.00	0.00	0.02	0.00
13.30	1.55	0.00	0.00	0.02	0.00	13.32	1.53	0.00	0.00	0.02	0.00
13.34	1.53	0.00	0.00	0.02	0.00	13.36	1.53	0.00	0.00	0.02	0.00
13.38	1.54	0.00	0.00	0.02	0.00	13.40	1.59	0.00	0.00	0.02	0.00
13.42	1.73	0.00	0.00	0.02	0.00	13.44	1.85	0.00	0.00	0.02	0.00
13.46	1.77	0.00	0.00	0.02	0.00	13.48	1.56	0.00	0.00	0.02	0.00
13.50	1.32	0.00	0.00	0.02	0.00	13.52	1.29	0.00	0.00	0.02	0.00
13.54	1.28	0.00	0.00	0.02	0.00	13.56	1.28	0.00	0.00	0.02	0.00
13.58	1.27	0.00	0.00	0.02	0.00	13.60	1.27	0.00	0.00	0.02	0.00
13.62	1.23	0.00	0.00	0.02	0.00	13.64	1.15	0.00	0.00	0.02	0.00
13.66	1.09	0.00	0.00	0.02	0.00	13.68	1.09	0.00	0.00	0.02	0.00
13.70	1.09	0.00	0.00	0.02	0.00	13.72	1.09	0.00	0.00	0.02	0.00
13.74	1.09	0.00	0.00	0.02	0.00	13.76	1.09	0.00	0.00	0.02	0.00
13.78	1.10	0.00	0.00	0.02	0.00	13.80	1.11	0.00	0.00	0.02	0.00
13.82	1.18	0.00	0.00	0.02	0.00	13.84	1.21	0.00	0.00	0.02	0.00
13.86	1.19	0.00	0.00	0.02	0.00	13.88	1.24	0.00	0.00	0.02	0.00
13.90	1.28	0.00	0.00	0.02	0.00	13.92	1.37	0.00	0.00	0.02	0.00
13.94	1.43	0.00	0.00	0.02	0.00	13.96	1.39	0.00	0.00	0.02	0.00
13.98	1.40	0.00	0.00	0.02	0.00	14.00	1.41	0.00	0.00	0.02	0.00
14.02	1.45	0.00	0.00	0.02	0.00	14.04	1.52	0.00	0.00	0.02	0.00
14.06	1.75	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.45	1.96	0.00	0.00	0.02	0.00	14.47	1.81	0.00	0.00	0.02	0.00
14.49	1.75	0.00	0.00	0.02	0.00	14.51	1.73	0.00	0.00	0.02	0.00
14.53	1.66	0.00	0.00	0.02	0.00	14.55	1.48	0.00	0.00	0.02	0.00
14.57	1.47	0.00	0.00	0.02	0.00	14.59	1.49	0.00	0.00	0.02	0.00
14.61	1.51	0.00	0.00	0.02	0.00	14.63	1.57	0.00	0.00	0.02	0.00
14.65	1.69	0.00	0.00	0.02	0.00	14.67	1.80	0.00	0.00	0.02	0.00
14.69	1.69	0.00	0.00	0.02	0.00	14.71	1.70	0.00	0.00	0.02	0.00
14.73	1.70	0.00	0.00	0.02	0.00	14.75	1.72	0.00	0.00	0.02	0.00
14.77	1.84	0.00	0.00	0.02	0.00	14.79	2.00	0.00	0.00	0.02	0.00
14.81	2.00	0.00	0.00	0.02	0.00	14.83	2.00	0.00	0.00	0.02	0.00
14.85	2.00	0.00	0.00	0.02	0.00	14.87	1.88	0.00	0.00	0.02	0.00
14.89	1.74	0.00	0.00	0.02	0.00	14.91	1.57	0.00	0.00	0.02	0.00
14.93	1.46	0.00	0.00	0.02	0.00	14.95	1.34	0.00	0.00	0.02	0.00
14.97	1.21	0.00	0.00	0.02	0.00	14.99	1.10	0.00	0.00	0.02	0.00
15.01	1.06	0.00	0.00	0.02	0.00	15.03	1.04	0.00	0.00	0.02	0.00
15.05	1.01	0.00	0.00	0.02	0.00	15.07	0.97	0.00	0.00	0.02	0.00
15.09	0.93	0.00	0.00	0.02	0.00	15.11	0.90	0.00	0.00	0.02	0.00
15.13	0.90	0.00	0.00	0.02	0.00	15.15	0.91	0.00	0.00	0.02	0.00
15.17	0.91	0.00	0.00	0.02	0.00	15.19	0.95	0.00	0.00	0.02	0.00
15.21	0.98	0.00	0.00	0.02	0.00	15.23	0.98	0.00	0.00	0.02	0.00
15.25	1.00	0.00	0.00	0.02	0.00	15.27	0.99	0.00	0.00	0.02	0.00
15.29	1.00	0.00	0.00	0.02	0.00	15.31	1.01	0.00	0.00	0.02	0.00
15.33	1.02	0.00	0.00	0.02	0.00	15.35	1.04	0.00	0.00	0.02	0.00
15.37	1.05	0.00	0.00	0.02	0.00	15.39	1.05	0.00	0.00	0.02	0.00
15.41	1.11	0.00	0.00	0.02	0.00	15.43	1.22	0.00	0.00	0.02	0.00
15.45	1.29	0.00	0.00	0.02	0.00	15.47	1.28	0.00	0.00	0.02	0.00
15.49	1.25	0.00	0.00	0.02	0.00	15.51	1.24	0.00	0.00	0.02	0.00
15.53	1.23	0.00	0.00	0.02	0.00	15.55	1.22	0.00	0.00	0.02	0.00
15.57	1.22	0.00	0.00	0.02	0.00	15.59	1.23	0.00	0.00	0.02	0.00
15.61	1.23	0.00	0.00	0.02	0.00	15.63	1.23	0.00	0.00	0.02	0.00
15.65	1.19	0.00	0.00	0.02	0.00	15.67	1.07	0.00	0.00	0.02	0.00
15.69	0.99	0.00	0.00	0.02	0.00	15.71	0.97	0.00	0.00	0.02	0.00
15.73	0.94	0.00	0.00	0.02	0.00	15.75	0.93	0.00	0.00	0.02	0.00
15.76	0.92	0.00	0.00	0.02	0.00	15.78	0.94	0.00	0.00	0.02	0.00
15.80	0.92	0.00	0.00	0.02	0.00	15.82	0.91	0.00	0.00	0.02	0.00
15.84	0.92	0.00	0.00	0.02	0.00	15.86	0.92	0.00	0.00	0.02	0.00
15.88	0.93	0.00	0.00	0.02	0.00	15.90	0.93	0.00	0.00	0.02	0.00
15.92	0.93	0.00	0.00	0.02	0.00	15.94	0.93	0.00	0.00	0.02	0.00
15.96	0.93	0.00	0.00	0.02	0.00	15.98	0.94	0.00	0.00	0.02	0.00
16.00	0.99	0.00	0.00	0.02	0.00	16.02	1.03	0.00	0.00	0.02	0.00
16.04	1.06	0.00	0.00	0.02	0.00	16.06	1.11	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.08	1.18	0.00	0.00	0.02	0.00	16.10	1.25	0.00	0.00	0.02	0.00
16.12	1.37	0.00	0.00	0.02	0.00	16.14	1.50	0.00	0.00	0.02	0.00
16.16	1.60	0.00	0.00	0.02	0.00	16.18	1.60	0.00	0.00	0.02	0.00
16.20	1.62	0.00	0.00	0.02	0.00	16.22	1.62	0.00	0.00	0.02	0.00
16.24	1.60	0.00	0.00	0.02	0.00	16.26	1.60	0.00	0.00	0.02	0.00
16.28	1.60	0.00	0.00	0.02	0.00	16.30	1.60	0.00	0.00	0.02	0.00
16.32	1.60	0.00	0.00	0.02	0.00	16.34	1.63	0.00	0.00	0.02	0.00
16.36	1.74	0.00	0.00	0.02	0.00	16.38	1.95	0.00	0.00	0.02	0.00
16.40	2.00	0.00	0.00	0.02	0.00	16.42	1.99	0.00	0.00	0.02	0.00
16.44	1.98	0.00	0.00	0.02	0.00	16.46	1.97	0.00	0.00	0.02	0.00
16.48	1.97	0.00	0.00	0.02	0.00	16.50	1.97	0.00	0.00	0.02	0.00
16.52	2.00	0.00	0.00	0.02	0.00	16.54	2.00	0.00	0.00	0.02	0.00
16.56	1.94	0.00	0.00	0.02	0.00	16.58	1.73	0.00	0.00	0.02	0.00
16.60	1.59	0.00	0.00	0.02	0.00	16.62	1.51	0.00	0.00	0.02	0.00
16.64	1.51	0.00	0.00	0.02	0.00	16.66	1.51	0.00	0.00	0.02	0.00
16.68	1.51	0.00	0.00	0.02	0.00	16.70	1.52	0.00	0.00	0.02	0.00
16.72	1.66	0.00	0.00	0.02	0.00	16.74	1.67	0.00	0.00	0.02	0.00
16.76	1.72	0.00	0.00	0.02	0.00	16.78	1.84	0.00	0.00	0.02	0.00
16.80	2.00	0.00	0.00	0.02	0.00	16.81	2.00	0.00	0.00	0.02	0.00
16.83	2.00	0.00	0.00	0.02	0.00	16.85	2.00	0.00	0.00	0.02	0.00
16.87	2.00	0.00	0.00	0.02	0.00	16.89	2.00	0.00	0.00	0.02	0.00
16.91	2.00	0.00	0.00	0.02	0.00	16.93	2.00	0.00	0.00	0.02	0.00
16.95	2.00	0.00	0.00	0.02	0.00	16.97	2.00	0.00	0.00	0.02	0.00
16.99	2.00	0.00	0.00	0.02	0.00	17.01	2.00	0.00	0.00	0.02	0.00
17.03	2.00	0.00	0.00	0.02	0.00	17.05	2.00	0.00	0.00	0.02	0.00
17.07	2.00	0.00	0.00	0.02	0.00	17.09	2.00	0.00	0.00	0.02	0.00
17.11	2.00	0.00	0.00	0.02	0.00	17.13	2.00	0.00	0.00	0.02	0.00
17.15	2.00	0.00	0.00	0.02	0.00	17.17	2.00	0.00	0.00	0.02	0.00
17.19	2.00	0.00	0.00	0.02	0.00	17.21	2.00	0.00	0.00	0.02	0.00
17.23	1.80	0.00	0.00	0.02	0.00	17.25	1.39	0.00	0.00	0.02	0.00
17.27	1.12	0.00	0.00	0.02	0.00	17.29	1.11	0.00	0.00	0.02	0.00
17.31	1.11	0.00	0.00	0.02	0.00	17.33	1.12	0.00	0.00	0.02	0.00
17.35	1.13	0.00	0.00	0.02	0.00	17.37	1.25	0.00	0.00	0.02	0.00
17.39	1.47	0.00	0.00	0.02	0.00	17.41	1.59	0.00	0.00	0.02	0.00
17.43	1.63	0.00	0.00	0.02	0.00	17.45	1.72	0.00	0.00	0.02	0.00
17.47	1.98	0.00	0.00	0.02	0.00	17.49	2.00	0.00	0.00	0.02	0.00
17.51	2.00	0.00	0.00	0.02	0.00	17.53	2.00	0.00	0.00	0.02	0.00
17.55	1.77	0.00	0.00	0.02	0.00	17.57	1.66	0.00	0.00	0.02	0.00
17.59	1.64	0.00	0.00	0.02	0.00	17.61	1.63	0.00	0.00	0.02	0.00
17.63	1.63	0.00	0.00	0.02	0.00	17.65	1.64	0.00	0.00	0.02	0.00
17.67	1.69	0.00	0.00	0.02	0.00	17.68	1.67	0.00	0.00	0.02	0.00
17.70	1.70	0.00	0.00	0.02	0.00	17.72	1.72	0.00	0.00	0.02	0.00
17.74	1.76	0.00	0.00	0.02	0.00	17.76	1.70	0.00	0.00	0.02	0.00
17.78	1.56	0.00	0.00	0.02	0.00	17.80	1.55	0.00	0.00	0.02	0.00
17.82	1.54	0.00	0.00	0.02	0.00	17.84	1.54	0.00	0.00	0.02	0.00
17.86	1.56	0.00	0.00	0.02	0.00	17.88	1.57	0.00	0.00	0.02	0.00
17.90	1.54	0.00	0.00	0.02	0.00	17.92	1.46	0.00	0.00	0.02	0.00
17.94	1.31	0.00	0.00	0.02	0.00	17.96	1.16	0.00	0.00	0.02	0.00
17.98	1.10	0.00	0.00	0.02	0.00	18.00	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.02	1.07	0.00	0.00	0.02	0.00	18.04	1.06	0.00	0.00	0.02	0.00
18.06	1.06	0.00	0.00	0.02	0.00	18.08	1.05	0.00	0.00	0.02	0.00
18.10	1.05	0.00	0.00	0.02	0.00	18.12	1.05	0.00	0.00	0.02	0.00
18.14	1.05	0.00	0.00	0.02	0.00	18.16	1.05	0.00	0.00	0.02	0.00
18.18	1.06	0.00	0.00	0.02	0.00	18.20	1.09	0.00	0.00	0.02	0.00
18.22	1.12	0.00	0.00	0.02	0.00	18.24	1.13	0.00	0.00	0.02	0.00
18.26	1.11	0.00	0.00	0.02	0.00	18.28	1.07	0.00	0.00	0.02	0.00
18.30	1.06	0.00	0.00	0.02	0.00	18.32	1.06	0.00	0.00	0.02	0.00
18.34	1.06	0.00	0.00	0.02	0.00	18.36	1.07	0.00	0.00	0.02	0.00
18.38	1.07	0.00	0.00	0.02	0.00	18.40	1.11	0.00	0.00	0.02	0.00
18.42	1.15	0.00	0.00	0.02	0.00	18.44	1.18	0.00	0.00	0.02	0.00
18.45	1.21	0.00	0.00	0.02	0.00	18.47	1.28	0.00	0.00	0.02	0.00
18.49	1.41	0.00	0.00	0.02	0.00	18.51	1.71	0.00	0.00	0.02	0.00
18.53	2.00	0.00	0.00	0.02	0.00	18.55	2.00	0.00	0.00	0.02	0.00
18.57	1.93	0.00	0.00	0.02	0.00	18.59	1.80	0.00	0.00	0.02	0.00
18.61	1.80	0.00	0.00	0.02	0.00	18.63	1.80	0.00	0.00	0.02	0.00
18.65	1.80	0.00	0.00	0.02	0.00	18.67	1.85	0.00	0.00	0.02	0.00
18.69	2.00	0.00	0.00	0.02	0.00	18.71	2.00	0.00	0.00	0.02	0.00
18.73	2.00	0.00	0.00	0.02	0.00	18.75	2.00	0.00	0.00	0.02	0.00
18.77	2.00	0.00	0.00	0.02	0.00	18.79	2.00	0.00	0.00	0.02	0.00
18.81	2.00	0.00	0.00	0.02	0.00	18.83	2.00	0.00	0.00	0.02	0.00
18.85	2.00	0.00	0.00	0.02	0.00	18.87	2.00	0.00	0.00	0.02	0.00
18.89	2.00	0.00	0.00	0.02	0.00	18.91	2.00	0.00	0.00	0.02	0.00
18.93	2.00	0.00	0.00	0.02	0.00	18.95	2.00	0.00	0.00	0.02	0.00
18.97	2.00	0.00	0.00	0.02	0.00	18.99	2.00	0.00	0.00	0.02	0.00
19.01	2.00	0.00	0.00	0.02	0.00	19.03	1.99	0.00	0.00	0.02	0.00
19.05	1.99	0.00	0.00	0.02	0.00	19.07	1.99	0.00	0.00	0.02	0.00
19.09	2.00	0.00	0.00	0.02	0.00	19.11	2.00	0.00	0.00	0.02	0.00
19.12	2.00	0.00	0.00	0.02	0.00	19.14	2.00	0.00	0.00	0.02	0.00
19.16	2.00	0.00	0.00	0.02	0.00	19.18	2.00	0.00	0.00	0.02	0.00
19.20	2.00	0.00	0.00	0.02	0.00	19.22	2.00	0.00	0.00	0.02	0.00
19.24	2.00	0.00	0.00	0.02	0.00	19.26	2.00	0.00	0.00	0.02	0.00
19.28	2.00	0.00	0.00	0.02	0.00	19.30	1.77	0.00	0.00	0.02	0.00
19.32	1.53	0.00	0.00	0.02	0.00	19.34	1.41	0.00	0.00	0.02	0.00
19.36	1.35	0.00	0.00	0.02	0.00	19.38	1.32	0.00	0.00	0.02	0.00
19.40	1.31	0.00	0.00	0.02	0.00	19.42	1.28	0.00	0.00	0.02	0.00
19.44	1.20	0.00	0.00	0.02	0.00	19.46	1.16	0.00	0.00	0.02	0.00
19.48	1.15	0.00	0.00	0.02	0.00	19.50	1.15	0.00	0.00	0.02	0.00
19.52	1.14	0.00	0.00	0.02	0.00	19.54	1.12	0.00	0.00	0.02	0.00
19.56	1.12	0.00	0.00	0.02	0.00	19.58	1.12	0.00	0.00	0.02	0.00
19.60	1.12	0.00	0.00	0.02	0.00	19.62	1.12	0.00	0.00	0.02	0.00
19.64	1.12	0.00	0.00	0.02	0.00	19.66	1.12	0.00	0.00	0.02	0.00
19.68	1.12	0.00	0.00	0.02	0.00	19.70	1.14	0.00	0.00	0.02	0.00
19.71	1.18	0.00	0.00	0.02	0.00	19.73	1.20	0.00	0.00	0.02	0.00
19.75	1.22	0.00	0.00	0.02	0.00	19.77	1.19	0.00	0.00	0.02	0.00
19.79	1.16	0.00	0.00	0.02	0.00	19.81	1.19	0.00	0.00	0.02	0.00
19.83	1.22	0.00	0.00	0.02	0.00	19.85	1.24	0.00	0.00	0.02	0.00
19.87	1.23	0.00	0.00	0.02	0.00	19.89	1.23	0.00	0.00	0.02	0.00
19.91	1.23	0.00	0.00	0.02	0.00						

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

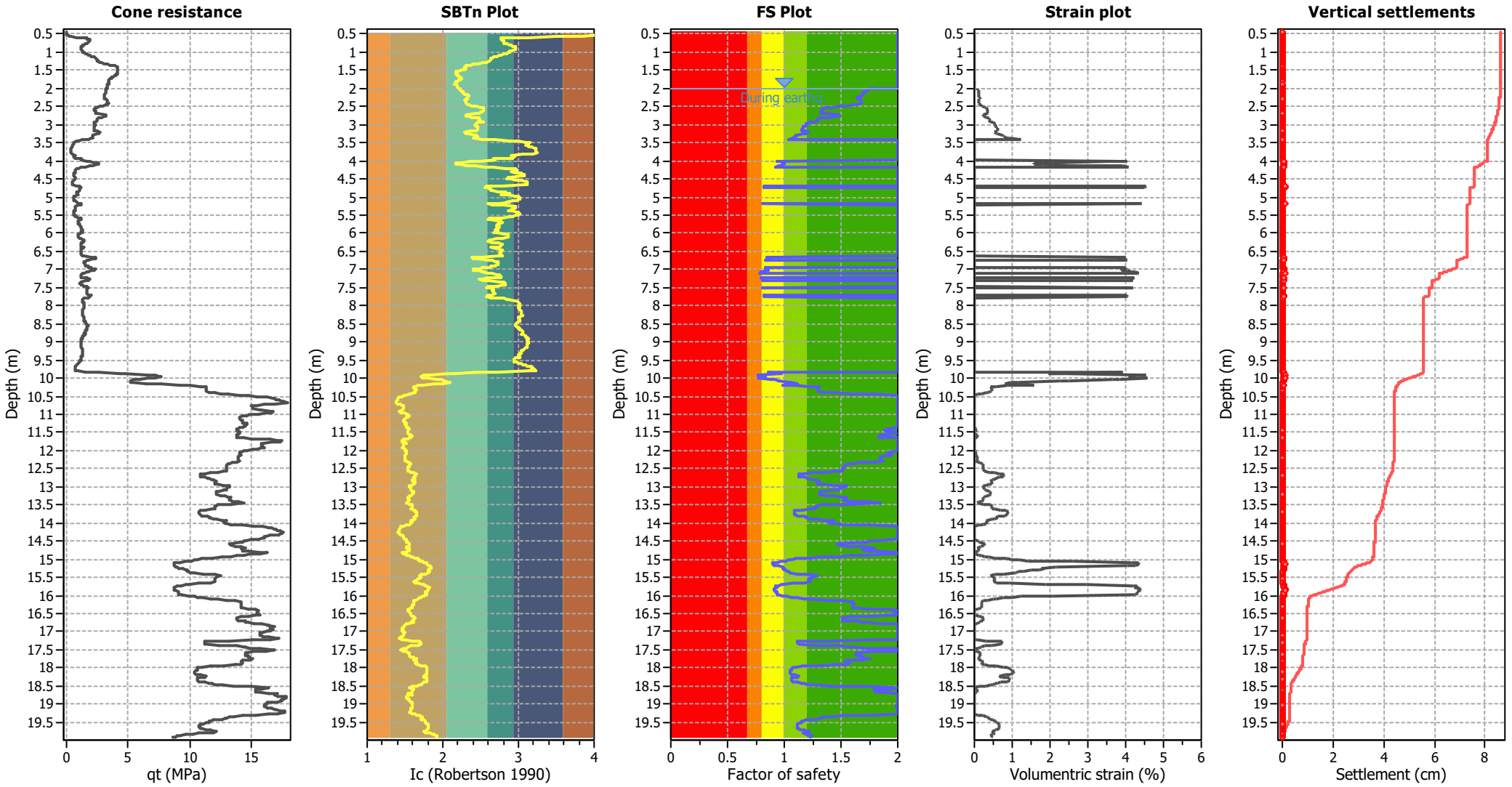
Overall liquefaction potential: 0.85

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.44	4.06	0.12	54.25	6.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.46	4.06	0.17	54.25	9.17	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.48	4.06	0.27	54.25	14.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.50	4.06	0.48	54.25	26.11	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.52	4.06	0.90	54.25	49.10	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.54	4.06	1.76	54.25	95.33	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	3.84	3.47	37.57	130.24	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.49	6.89	21.07	145.19	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.13	13.75	11.18	153.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.62	2.77	27.46	5.47	150.31	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	2.78	28.64	5.64	161.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.78	30.70	5.56	170.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.79	31.12	5.69	177.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.80	30.63	5.87	179.82	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.81	30.02	5.98	179.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.82	29.12	6.05	176.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.82	28.11	6.05	170.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.84	26.27	6.33	166.40	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.89	23.87	7.05	168.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.90	22.63	7.15	161.84	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.92	20.87	7.51	156.64	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.96	18.94	8.17	154.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	2.95	18.92	8.04	152.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	2.95	18.92	8.04	152.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	2.95	18.91	8.04	152.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	2.95	18.94	8.03	152.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	2.90	20.88	7.14	149.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.88	21.97	6.95	152.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.88	22.54	6.98	157.43	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.86	24.20	6.59	159.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.84	25.33	6.40	162.10	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.81	27.50	6.02	165.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.77	29.90	5.53	165.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.74	31.90	5.16	164.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.71	33.99	4.86	165.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.68	36.70	4.46	163.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.65	38.39	4.22	161.93	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.64	39.52	4.11	162.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.63	40.65	3.99	162.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.63	40.95	3.97	162.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.61	42.31	3.83	162.10	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.61	42.20	3.83	161.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.58	44.64	3.62	161.75	43	63209	0.09	0.003	0.00	3.58	0.00	0.000
1.30	2.55	46.67	3.32	154.99	41	63002	0.09	0.003	0.00	3.58	0.00	0.000
1.32	2.46	50.68	2.73	138.29	35	61421	0.08	0.003	0.00	3.58	0.00	0.000
1.34	2.40	55.98	2.38	133.11	33	62789	0.08	0.003	0.00	3.58	0.00	0.000
1.36	2.36	59.82	2.18	130.20	31	63723	0.08	0.003	0.00	3.58	0.00	0.000
1.38	2.32	64.29	1.99	127.67	30	64755	0.08	0.003	0.00	3.58	0.00	0.000
1.40	2.28	68.20	1.85	126.38	29	65675	0.08	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.42	2.28	69.73	1.87	130.13	30	67464	0.08	0.003	0.00	3.58	0.00	0.000
1.44	2.29	69.78	1.90	132.43	31	68267	0.08	0.003	0.00	3.58	0.00	0.000
1.46	2.30	68.43	1.94	132.95	31	67969	0.08	0.003	0.00	3.58	0.00	0.000
1.48	2.28	68.37	1.86	127.44	30	66096	0.08	0.003	0.00	3.58	0.00	0.000
1.50	2.25	68.37	1.77	120.90	28	63743	0.08	0.004	0.00	3.58	0.00	0.000
1.52	2.21	68.37	1.64	112.24	25	60291	0.08	0.004	0.00	3.58	0.00	0.000
1.54	2.17	68.38	1.55	105.93	24	57411	0.08	0.004	0.00	3.58	0.00	0.000
1.56	2.16	68.87	1.53	105.63	23	57298	0.08	0.004	0.00	3.58	0.00	0.000
1.58	2.17	68.79	1.53	105.53	23	57245	0.08	0.004	0.00	3.58	0.00	0.000
1.60	2.17	68.04	1.55	105.48	24	57164	0.08	0.004	0.00	3.58	0.00	0.000
1.62	2.19	66.73	1.58	105.36	24	56977	0.08	0.004	0.00	3.58	0.00	0.000
1.64	2.19	66.61	1.59	105.63	24	57086	0.08	0.004	0.00	3.58	0.00	0.000
1.66	2.21	65.18	1.63	106.06	24	57072	0.08	0.004	0.00	3.58	0.00	0.000
1.68	2.22	63.71	1.66	105.89	24	56731	0.08	0.005	0.00	3.58	0.00	0.000
1.70	2.23	61.69	1.71	105.20	24	56019	0.08	0.005	0.00	3.58	0.00	0.000
1.72	2.24	60.06	1.73	103.86	24	55105	0.08	0.005	0.00	3.58	0.00	0.000
1.74	2.25	58.56	1.74	101.79	23	53929	0.08	0.005	0.00	3.58	0.00	0.000
1.76	2.23	57.57	1.70	97.70	22	52087	0.08	0.005	0.00	3.58	0.00	0.000
1.78	2.21	57.54	1.64	94.15	21	50609	0.08	0.005	0.01	3.58	0.00	0.000
1.80	2.19	57.40	1.59	91.11	20	49234	0.08	0.006	0.01	3.58	0.00	0.000
1.87	2.17	57.43	1.55	88.74	20	48109	0.08	0.006	0.01	3.58	0.00	0.000
1.87	2.16	57.17	1.53	87.47	19	47453	0.08	0.006	0.01	3.58	0.00	0.000
1.82	2.17	56.76	1.54	87.27	19	47332	0.08	0.006	0.01	3.58	0.00	0.000
1.88	2.17	56.28	1.55	87.16	19	47242	0.08	0.006	0.01	3.58	0.00	0.000
1.90	2.18	55.41	1.57	86.99	19	47076	0.08	0.006	0.01	3.58	0.00	0.000
1.92	2.18	55.30	1.57	87.01	19	47076	0.08	0.006	0.01	3.58	0.00	0.000
1.94	2.19	55.24	1.59	87.60	20	47341	0.08	0.006	0.01	3.58	0.00	0.000
1.96	2.19	55.05	1.59	87.42	20	47238	0.08	0.007	0.01	3.58	0.00	0.000
1.98	2.20	54.75	1.61	88.02	20	47469	0.08	0.007	0.01	3.58	0.00	0.000
2.00	2.21	54.00	1.64	88.62	20	47607	0.08	0.007	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	108.46	1.76	0.08	1.00	0.00	2.04	108.26	1.74	0.09	1.00	0.00
2.06	108.09	1.73	0.10	1.00	0.00	2.08	108.12	1.72	0.10	1.00	0.00
2.10	107.89	1.71	0.11	1.00	0.00	2.12	108.11	1.70	0.11	1.00	0.00
2.14	107.91	1.69	0.11	1.00	0.00	2.16	108.39	1.69	0.11	1.00	0.00
2.18	108.40	1.69	0.12	1.00	0.00	2.20	108.49	1.68	0.12	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.22	108.07	1.66	0.13	1.00	0.00	2.24	108.01	1.66	0.13	1.00	0.00
2.26	107.95	1.65	0.14	1.00	0.00	2.28	108.27	1.65	0.14	1.00	0.00
2.30	109.54	1.67	0.13	1.00	0.00	2.32	110.04	1.68	0.13	1.00	0.00
2.34	110.50	1.68	0.12	1.00	0.00	2.36	110.80	1.68	0.12	1.00	0.00
2.38	111.07	1.68	0.13	1.00	0.00	2.40	111.46	1.68	0.12	1.00	0.00
2.42	111.52	1.68	0.13	1.00	0.00	2.44	110.51	1.65	0.14	1.00	0.00
2.46	109.23	1.61	0.16	1.00	0.00	2.48	107.05	1.56	0.19	1.00	0.00
2.50	104.03	1.49	0.23	1.00	0.00	2.52	100.52	1.42	0.27	1.00	0.01
2.54	97.81	1.37	0.31	1.00	0.01	2.56	96.87	1.35	0.33	1.00	0.01
2.58	96.59	1.34	0.34	1.00	0.01	2.60	96.56	1.33	0.34	1.00	0.01
2.62	96.63	1.33	0.35	1.00	0.01	2.64	96.53	1.32	0.35	1.00	0.01
2.66	96.55	1.32	0.36	1.00	0.01	2.68	96.82	1.32	0.36	1.00	0.01
2.70	98.54	1.34	0.34	1.00	0.01	2.72	105.85	1.47	0.25	1.00	0.00
2.74	106.77	1.48	0.24	1.00	0.00	2.76	106.71	1.48	0.24	1.00	0.00
2.78	105.43	1.45	0.27	1.00	0.01	2.80	102.79	1.39	0.31	1.00	0.01
2.82	98.90	1.32	0.37	1.00	0.01	2.84	97.57	1.30	0.39	1.00	0.01
2.86	97.31	1.29	0.40	1.00	0.01	2.88	97.04	1.28	0.41	1.00	0.01
2.90	98.16	1.30	0.40	1.00	0.01	2.92	96.37	1.26	0.43	1.00	0.01
2.94	92.98	1.21	0.50	1.00	0.01	2.96	92.33	1.20	0.52	1.00	0.01
2.98	92.28	1.20	0.53	1.00	0.01	3.00	92.23	1.19	0.54	1.00	0.01
3.02	93.02	1.20	0.53	1.00	0.01	3.04	91.83	1.18	0.56	1.00	0.01
3.06	91.33	1.17	0.58	1.00	0.01	3.08	91.08	1.17	0.60	1.00	0.01
3.10	91.05	1.16	0.60	1.00	0.01	3.12	91.13	1.16	0.61	1.00	0.01
3.14	90.96	1.16	0.62	1.00	0.01	3.16	90.82	1.15	0.63	1.00	0.01
3.18	93.86	1.19	0.56	1.00	0.01	3.20	95.90	1.21	0.52	1.00	0.01
3.22	95.78	1.21	0.53	1.00	0.01	3.24	94.60	1.19	0.56	1.00	0.01
3.26	93.01	1.17	0.61	1.00	0.01	3.28	89.33	1.12	0.74	1.00	0.01
3.30	88.51	1.10	0.78	1.00	0.02	3.32	88.65	1.10	0.78	1.00	0.02
3.34	88.17	1.09	0.82	1.00	0.02	3.36	87.47	1.08	0.86	1.00	0.02
3.38	86.94	1.08	0.90	1.00	0.02	3.40	83.27	1.03	1.21	1.00	0.02
3.42	20.00	2.00	0.00	1.00	0.00	3.44	14.57	2.00	0.00	1.00	0.00
3.46	11.99	2.00	0.00	1.00	0.00	3.48	9.79	2.00	0.00	1.00	0.00
3.50	8.58	2.00	0.00	1.00	0.00	3.52	8.34	2.00	0.00	1.00	0.00
3.54	8.25	2.00	0.00	1.00	0.00	3.56	7.98	2.00	0.00	1.00	0.00
3.59	7.12	2.00	0.00	1.00	0.00	3.60	6.78	2.00	0.00	1.00	0.00
3.62	6.36	2.00	0.00	1.00	0.00	3.64	5.98	2.00	0.00	1.00	0.00
3.66	5.76	2.00	0.00	1.00	0.00	3.68	5.71	2.00	0.00	1.00	0.00
3.70	5.70	2.00	0.00	1.00	0.00	3.72	5.70	2.00	0.00	1.00	0.00
3.74	5.72	2.00	0.00	1.00	0.00	3.76	5.75	2.00	0.00	1.00	0.00
3.78	5.89	2.00	0.00	1.00	0.00	3.80	6.18	2.00	0.00	1.00	0.00
3.82	7.69	2.00	0.00	1.00	0.00	3.84	9.65	2.00	0.00	1.00	0.00
3.86	8.89	2.00	0.00	1.00	0.00	3.88	9.10	2.00	0.00	1.00	0.00
3.90	9.30	2.00	0.00	1.00	0.00	3.92	10.82	2.00	0.00	1.00	0.00
3.94	16.93	2.00	0.00	1.00	0.00	3.96	18.44	2.00	0.00	1.00	0.00
3.98	17.47	2.00	0.00	1.00	0.00	4.00	79.47	0.94	4.03	1.00	0.08
4.02	81.50	0.96	3.52	1.00	0.07	4.04	84.21	0.98	2.07	1.00	0.04
4.06	86.37	1.00	1.59	1.00	0.03	4.08	86.52	1.00	1.59	1.00	0.03
4.10	85.54	0.99	1.81	1.00	0.04	4.12	83.61	0.97	2.50	1.00	0.05
4.14	81.49	0.95	3.94	1.00	0.08	4.16	78.30	0.92	4.09	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.18	17.73	2.00	0.00	1.00	0.00	4.20	13.71	2.00	0.00	1.00	0.00
4.22	11.15	2.00	0.00	1.00	0.00	4.24	10.38	2.00	0.00	1.00	0.00
4.26	10.03	2.00	0.00	1.00	0.00	4.28	9.68	2.00	0.00	1.00	0.00
4.30	10.17	2.00	0.00	1.00	0.00	4.32	9.50	2.00	0.00	1.00	0.00
4.34	8.50	2.00	0.00	1.00	0.00	4.36	8.32	2.00	0.00	1.00	0.00
4.38	8.34	2.00	0.00	1.00	0.00	4.40	8.37	2.00	0.00	1.00	0.00
4.42	8.47	2.00	0.00	1.00	0.00	4.44	9.75	2.00	0.00	1.00	0.00
4.46	10.54	2.00	0.00	1.00	0.00	4.48	10.48	2.00	0.00	1.00	0.00
4.50	9.56	2.00	0.00	1.00	0.00	4.52	8.93	2.00	0.00	1.00	0.00
4.54	8.01	2.00	0.00	1.00	0.00	4.56	6.68	2.00	0.00	1.00	0.00
4.58	6.67	2.00	0.00	1.00	0.00	4.60	6.67	2.00	0.00	1.00	0.00
4.62	6.67	2.00	0.00	1.00	0.00	4.64	6.68	2.00	0.00	1.00	0.00
4.66	7.15	2.00	0.00	1.00	0.00	4.68	10.93	2.00	0.00	1.00	0.00
4.70	70.30	0.82	4.53	1.00	0.09	4.72	70.94	0.82	4.49	1.00	0.09
4.74	15.27	2.00	0.00	1.00	0.00	4.76	14.91	2.00	0.00	1.00	0.00
4.78	14.54	2.00	0.00	1.00	0.00	4.80	14.94	2.00	0.00	1.00	0.00
4.82	14.42	2.00	0.00	1.00	0.00	4.84	13.51	2.00	0.00	1.00	0.00
4.86	11.83	2.00	0.00	1.00	0.00	4.88	11.61	2.00	0.00	1.00	0.00
4.90	11.39	2.00	0.00	1.00	0.00	4.92	13.03	2.00	0.00	1.00	0.00
4.94	11.06	2.00	0.00	1.00	0.00	4.96	9.09	2.00	0.00	1.00	0.00
4.98	8.41	2.00	0.00	1.00	0.00	5.00	8.23	2.00	0.00	1.00	0.00
5.02	8.15	2.00	0.00	1.00	0.00	5.04	8.19	2.00	0.00	1.00	0.00
5.06	8.24	2.00	0.00	1.00	0.00	5.08	8.64	2.00	0.00	1.00	0.00
5.10	9.47	2.00	0.00	1.00	0.00	5.12	10.72	2.00	0.00	1.00	0.00
5.14	10.38	2.00	0.00	1.00	0.00	5.16	12.74	2.00	0.00	1.00	0.00
5.19	72.20	0.81	4.42	1.00	0.13	5.20	15.34	2.00	0.00	1.00	0.00
5.22	12.04	2.00	0.00	1.00	0.00	5.24	9.53	2.00	0.00	1.00	0.00
5.26	9.48	2.00	0.00	1.00	0.00	5.28	10.05	2.00	0.00	1.00	0.00
5.30	9.04	2.00	0.00	1.00	0.00	5.32	8.89	2.00	0.00	1.00	0.00
5.34	8.74	2.00	0.00	1.00	0.00	5.36	9.40	2.00	0.00	1.00	0.00
5.38	8.55	2.00	0.00	1.00	0.00	5.40	7.91	2.00	0.00	1.00	0.00
5.42	7.60	2.00	0.00	1.00	0.00	5.44	7.70	2.00	0.00	1.00	0.00
5.46	7.81	2.00	0.00	1.00	0.00	5.48	8.07	2.00	0.00	1.00	0.00
5.50	8.62	2.00	0.00	1.00	0.00	5.52	9.71	2.00	0.00	1.00	0.00
5.54	10.55	2.00	0.00	1.00	0.00	5.56	12.10	2.00	0.00	1.00	0.00
5.58	13.30	2.00	0.00	1.00	0.00	5.60	15.77	2.00	0.00	1.00	0.00
5.62	15.90	2.00	0.00	1.00	0.00	5.64	15.26	2.00	0.00	1.00	0.00
5.66	12.88	2.00	0.00	1.00	0.00	5.68	12.54	2.00	0.00	1.00	0.00
5.70	12.36	2.00	0.00	1.00	0.00	5.72	12.29	2.00	0.00	1.00	0.00
5.74	12.88	2.00	0.00	1.00	0.00	5.76	13.47	2.00	0.00	1.00	0.00
5.78	14.25	2.00	0.00	1.00	0.00	5.80	13.88	2.00	0.00	1.00	0.00
5.82	15.02	2.00	0.00	1.00	0.00	5.84	14.87	2.00	0.00	1.00	0.00
5.86	15.04	2.00	0.00	1.00	0.00	5.88	15.19	2.00	0.00	1.00	0.00
5.90	17.05	2.00	0.00	1.00	0.00	5.92	16.56	2.00	0.00	1.00	0.00
5.94	16.11	2.00	0.00	1.00	0.00	5.96	15.66	2.00	0.00	1.00	0.00
5.98	16.80	2.00	0.00	1.00	0.00	6.00	15.12	2.00	0.00	1.00	0.00
6.02	12.92	2.00	0.00	1.00	0.00	6.04	11.48	2.00	0.00	1.00	0.00
6.06	11.44	2.00	0.00	1.00	0.00	6.08	11.45	2.00	0.00	1.00	0.00
6.10	11.45	2.00	0.00	1.00	0.00	6.12	11.60	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.14	13.18	2.00	0.00	1.00	0.00	6.16	15.44	2.00	0.00	1.00	0.00
6.18	17.04	2.00	0.00	1.00	0.00	6.20	17.55	2.00	0.00	1.00	0.00
6.22	17.59	2.00	0.00	1.00	0.00	6.24	17.98	2.00	0.00	1.00	0.00
6.26	16.59	2.00	0.00	1.00	0.00	6.28	14.75	2.00	0.00	1.00	0.00
6.30	14.11	2.00	0.00	1.00	0.00	6.32	14.10	2.00	0.00	1.00	0.00
6.34	14.10	2.00	0.00	1.00	0.00	6.36	14.24	2.00	0.00	1.00	0.00
6.38	14.59	2.00	0.00	1.00	0.00	6.40	17.84	2.00	0.00	1.00	0.00
6.42	16.40	2.00	0.00	1.00	0.00	6.44	15.10	2.00	0.00	1.00	0.00
6.46	14.54	2.00	0.00	1.00	0.00	6.48	14.52	2.00	0.00	1.00	0.00
6.50	14.50	2.00	0.00	1.00	0.00	6.52	14.49	2.00	0.00	1.00	0.00
6.54	14.48	2.00	0.00	1.00	0.00	6.56	15.02	2.00	0.00	1.00	0.00
6.58	14.89	2.00	0.00	1.00	0.00	6.60	15.09	2.00	0.00	1.00	0.00
6.62	15.29	2.00	0.00	1.00	0.00	6.64	16.58	2.00	0.00	1.00	0.00
6.66	80.26	0.84	4.00	1.00	0.08	6.68	83.96	0.87	3.83	1.00	0.08
6.70	84.11	0.87	3.82	1.00	0.08	6.72	81.71	0.85	3.93	1.00	0.08
6.74	79.01	0.83	4.06	1.00	0.08	6.76	19.80	2.00	0.00	1.00	0.00
6.78	18.53	2.00	0.00	1.00	0.00	6.80	17.88	2.00	0.00	1.00	0.00
6.82	17.80	2.00	0.00	1.00	0.00	6.84	17.83	2.00	0.00	1.00	0.00
6.86	17.87	2.00	0.00	1.00	0.00	6.88	18.27	2.00	0.00	1.00	0.00
6.90	19.18	2.00	0.00	1.00	0.00	6.92	21.70	2.00	0.00	1.00	0.00
6.94	21.62	2.00	0.00	1.00	0.00	6.96	80.35	0.84	3.99	1.00	0.08
6.98	80.15	0.84	4.00	1.00	0.08	7.00	82.98	0.86	3.87	1.00	0.08
7.02	82.42	0.86	3.90	1.00	0.08	7.04	79.78	0.83	4.02	1.00	0.08
7.06	77.22	0.81	4.15	1.00	0.08	7.08	75.01	0.80	4.26	1.00	0.09
7.10	73.38	0.78	4.35	1.00	0.09	7.12	15.79	2.00	0.00	1.00	0.00
7.14	14.47	2.00	0.00	1.00	0.00	7.16	13.88	2.00	0.00	1.00	0.00
7.18	13.99	2.00	0.00	1.00	0.00	7.20	14.09	2.00	0.00	1.00	0.00
7.22	14.42	2.00	0.00	1.00	0.00	7.24	75.43	0.80	4.24	1.00	0.08
7.26	77.59	0.81	4.13	1.00	0.08	7.28	77.77	0.81	4.12	1.00	0.08
7.30	76.14	0.80	4.20	1.00	0.08	7.32	17.86	2.00	0.00	1.00	0.00
7.34	14.20	2.00	0.00	1.00	0.00	7.36	13.26	2.00	0.00	1.00	0.00
7.38	12.78	2.00	0.00	1.00	0.00	7.40	13.24	2.00	0.00	1.00	0.00
7.42	13.68	2.00	0.00	1.00	0.00	7.44	14.60	2.00	0.00	1.00	0.00
7.46	16.45	2.00	0.00	1.00	0.00	7.48	19.42	2.00	0.00	1.00	0.00
7.50	76.48	0.80	4.19	1.00	0.08	7.52	18.75	2.00	0.00	1.00	0.00
7.54	18.46	2.00	0.00	1.00	0.00	7.56	18.46	2.00	0.00	1.00	0.00
7.58	18.47	2.00	0.00	1.00	0.00	7.60	18.59	2.00	0.00	1.00	0.00
7.62	18.48	2.00	0.00	1.00	0.00	7.64	18.44	2.00	0.00	1.00	0.00
7.66	18.41	2.00	0.00	1.00	0.00	7.68	19.25	2.00	0.00	1.00	0.00
7.70	20.08	2.00	0.00	1.00	0.00	7.72	79.32	0.82	4.04	1.00	0.08
7.74	79.13	0.82	4.05	1.00	0.08	7.76	79.01	0.82	4.06	1.00	0.08
7.78	20.18	2.00	0.00	1.00	0.00	7.80	15.48	2.00	0.00	1.00	0.00
7.82	14.66	2.00	0.00	1.00	0.00	7.84	14.25	2.00	0.00	1.00	0.00
7.86	14.38	2.00	0.00	1.00	0.00	7.88	14.52	2.00	0.00	1.00	0.00
7.90	15.01	2.00	0.00	1.00	0.00	7.92	15.15	2.00	0.00	1.00	0.00
7.94	15.39	2.00	0.00	1.00	0.00	7.96	15.89	2.00	0.00	1.00	0.00
7.98	15.84	2.00	0.00	1.00	0.00	8.00	16.22	2.00	0.00	1.00	0.00
8.02	16.07	2.00	0.00	1.00	0.00	8.04	15.59	2.00	0.00	1.00	0.00
8.06	15.59	2.00	0.00	1.00	0.00	8.08	15.17	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.10	14.66	2.00	0.00	1.00	0.00	8.12	14.43	2.00	0.00	1.00	0.00
8.14	14.20	2.00	0.00	1.00	0.00	8.16	14.20	2.00	0.00	1.00	0.00
8.18	14.02	2.00	0.00	1.00	0.00	8.20	14.00	2.00	0.00	1.00	0.00
8.22	13.98	2.00	0.00	1.00	0.00	8.24	13.97	2.00	0.00	1.00	0.00
8.26	13.99	2.00	0.00	1.00	0.00	8.28	14.04	2.00	0.00	1.00	0.00
8.30	14.84	2.00	0.00	1.00	0.00	8.32	15.26	2.00	0.00	1.00	0.00
8.34	15.24	2.00	0.00	1.00	0.00	8.36	15.45	2.00	0.00	1.00	0.00
8.38	15.21	2.00	0.00	1.00	0.00	8.40	15.53	2.00	0.00	1.00	0.00
8.42	15.58	2.00	0.00	1.00	0.00	8.44	16.03	2.00	0.00	1.00	0.00
8.46	16.60	2.00	0.00	1.00	0.00	8.48	16.84	2.00	0.00	1.00	0.00
8.50	17.80	2.00	0.00	1.00	0.00	8.52	18.20	2.00	0.00	1.00	0.00
8.54	18.32	2.00	0.00	1.00	0.00	8.56	18.37	2.00	0.00	1.00	0.00
8.58	17.98	2.00	0.00	1.00	0.00	8.60	17.75	2.00	0.00	1.00	0.00
8.62	17.51	2.00	0.00	1.00	0.00	8.64	17.54	2.00	0.00	1.00	0.00
8.66	17.28	2.00	0.00	1.00	0.00	8.68	16.82	2.00	0.00	1.00	0.00
8.70	16.04	2.00	0.00	1.00	0.00	8.72	15.91	2.00	0.00	1.00	0.00
8.74	15.86	2.00	0.00	1.00	0.00	8.76	15.52	2.00	0.00	1.00	0.00
8.78	15.65	2.00	0.00	1.00	0.00	8.80	15.22	2.00	0.00	1.00	0.00
8.82	14.45	2.00	0.00	1.00	0.00	8.84	14.04	2.00	0.00	1.00	0.00
8.86	13.66	2.00	0.00	1.00	0.00	8.88	13.30	2.00	0.00	1.00	0.00
8.90	12.80	2.00	0.00	1.00	0.00	8.92	13.05	2.00	0.00	1.00	0.00
8.94	12.70	2.00	0.00	1.00	0.00	8.95	12.50	2.00	0.00	1.00	0.00
8.97	12.33	2.00	0.00	1.00	0.00	8.99	12.30	2.00	0.00	1.00	0.00
9.01	12.29	2.00	0.00	1.00	0.00	9.03	12.28	2.00	0.00	1.00	0.00
9.05	12.26	2.00	0.00	1.00	0.00	9.07	12.26	2.00	0.00	1.00	0.00
9.09	12.25	2.00	0.00	1.00	0.00	9.11	12.27	2.00	0.00	1.00	0.00
9.13	12.32	2.00	0.00	1.00	0.00	9.15	12.40	2.00	0.00	1.00	0.00
9.17	12.91	2.00	0.00	1.00	0.00	9.19	13.05	2.00	0.00	1.00	0.00
9.21	13.51	2.00	0.00	1.00	0.00	9.23	13.54	2.00	0.00	1.00	0.00
9.25	13.55	2.00	0.00	1.00	0.00	9.27	13.51	2.00	0.00	1.00	0.00
9.29	13.48	2.00	0.00	1.00	0.00	9.31	13.47	2.00	0.00	1.00	0.00
9.33	13.40	2.00	0.00	1.00	0.00	9.35	13.49	2.00	0.00	1.00	0.00
9.37	12.99	2.00	0.00	1.00	0.00	9.39	12.32	2.00	0.00	1.00	0.00
9.41	12.21	2.00	0.00	1.00	0.00	9.43	12.22	2.00	0.00	1.00	0.00
9.45	12.08	2.00	0.00	1.00	0.00	9.47	11.61	2.00	0.00	1.00	0.00
9.49	11.20	2.00	0.00	1.00	0.00	9.51	11.02	2.00	0.00	1.00	0.00
9.53	10.90	2.00	0.00	1.00	0.00	9.55	10.17	2.00	0.00	1.00	0.00
9.57	9.51	2.00	0.00	1.00	0.00	9.59	8.88	2.00	0.00	1.00	0.00
9.61	8.30	2.00	0.00	1.00	0.00	9.63	7.60	2.00	0.00	1.00	0.00
9.65	7.07	2.00	0.00	1.00	0.00	9.67	6.50	2.00	0.00	1.00	0.00
9.69	6.39	2.00	0.00	1.00	0.00	9.71	6.36	2.00	0.00	1.00	0.00
9.73	6.41	2.00	0.00	1.00	0.00	9.75	6.46	2.00	0.00	1.00	0.00
9.77	6.57	2.00	0.00	1.00	0.00	9.79	6.97	2.00	0.00	1.00	0.00
9.81	8.43	2.00	0.00	1.00	0.00	9.83	15.37	2.00	0.00	1.00	0.00
9.85	81.79	0.86	3.92	1.00	0.08	9.87	92.94	0.97	1.95	1.00	0.04
9.89	91.20	0.95	2.48	1.00	0.05	9.91	70.30	0.77	4.53	1.00	0.09
9.93	74.88	0.80	4.27	1.00	0.09	9.95	78.19	0.83	4.10	1.00	0.08
9.97	78.87	0.84	4.06	1.00	0.08	9.99	75.14	0.81	4.26	1.00	0.08
10.01	69.75	0.77	4.56	1.00	0.09	10.03	83.64	0.88	3.84	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.05	88.12	0.92	3.65	1.00	0.07	10.07	90.98	0.95	2.50	1.00	0.05
10.09	91.58	0.96	2.27	1.00	0.05	10.11	98.63	1.04	1.14	1.00	0.02
10.13	100.82	1.07	0.98	1.00	0.02	10.15	104.29	1.12	0.80	1.00	0.02
10.17	97.37	1.03	1.24	1.00	0.02	10.19	94.49	0.99	1.59	1.00	0.03
10.21	102.48	1.09	0.88	1.00	0.02	10.23	110.74	1.23	0.56	1.00	0.01
10.25	115.03	1.31	0.44	1.00	0.01	10.27	114.50	1.30	0.45	1.00	0.01
10.29	114.37	1.30	0.46	1.00	0.01	10.31	114.34	1.30	0.46	1.00	0.01
10.33	114.30	1.30	0.46	1.00	0.01	10.35	114.50	1.30	0.45	1.00	0.01
10.37	115.01	1.31	0.44	1.00	0.01	10.39	116.81	1.35	0.39	1.00	0.01
10.41	120.86	1.45	0.30	1.00	0.01	10.43	126.22	1.59	0.20	1.00	0.00
10.45	131.78	1.78	0.09	1.00	0.00	10.47	140.95	2.00	0.00	1.00	0.00
10.49	147.16	2.00	0.00	1.00	0.00	10.51	153.94	2.00	0.00	1.00	0.00
10.53	161.92	2.00	0.00	1.00	0.00	10.55	167.54	2.00	0.00	1.00	0.00
10.57	167.54	2.00	0.00	1.00	0.00	10.59	168.79	2.00	0.00	1.00	0.00
10.61	171.20	2.00	0.00	1.00	0.00	10.63	173.45	2.00	0.00	1.00	0.00
10.65	175.00	2.00	0.00	1.00	0.00	10.67	177.89	2.00	0.00	1.00	0.00
10.69	177.23	2.00	0.00	1.00	0.00	10.71	167.46	2.00	0.00	1.00	0.00
10.73	158.97	2.00	0.00	1.00	0.00	10.75	152.81	2.00	0.00	1.00	0.00
10.77	148.82	2.00	0.00	1.00	0.00	10.79	148.80	2.00	0.00	1.00	0.00
10.81	148.78	2.00	0.00	1.00	0.00	10.83	148.86	2.00	0.00	1.00	0.00
10.85	149.11	2.00	0.00	1.00	0.00	10.87	154.39	2.00	0.00	1.00	0.00
10.89	155.38	2.00	0.00	1.00	0.00	10.91	163.58	2.00	0.00	1.00	0.00
10.93	164.63	2.00	0.00	1.00	0.00	10.95	164.36	2.00	0.00	1.00	0.00
10.97	159.01	2.00	0.00	1.00	0.00	10.99	152.73	2.00	0.00	1.00	0.00
11.01	146.33	2.00	0.00	1.00	0.00	11.03	143.38	2.00	0.00	1.00	0.00
11.05	139.99	2.00	0.00	1.00	0.00	11.07	138.26	2.00	0.00	1.00	0.00
11.09	137.41	2.00	0.00	1.00	0.00	11.11	137.67	2.00	0.00	1.00	0.00
11.13	137.92	2.00	0.00	1.00	0.00	11.15	138.76	2.00	0.00	1.00	0.00
11.17	138.94	2.00	0.00	1.00	0.00	11.19	139.12	2.00	0.00	1.00	0.00
11.21	139.78	2.00	0.00	1.00	0.00	11.23	139.25	2.00	0.00	1.00	0.00
11.25	142.20	2.00	0.00	1.00	0.00	11.27	142.79	2.00	0.00	1.00	0.00
11.29	141.16	2.00	0.00	1.00	0.00	11.31	139.48	2.00	0.00	1.00	0.00
11.33	140.68	2.00	0.00	1.00	0.00	11.35	138.70	2.00	0.00	1.00	0.00
11.37	136.09	1.99	0.00	1.00	0.00	11.39	134.36	1.92	0.03	1.00	0.00
11.41	133.89	1.90	0.04	1.00	0.00	11.43	133.62	1.89	0.04	1.00	0.00
11.45	133.49	1.89	0.04	1.00	0.00	11.47	134.45	1.93	0.03	1.00	0.00
11.49	135.40	1.97	0.01	1.00	0.00	11.51	135.85	1.99	0.00	1.00	0.00
11.53	134.30	1.92	0.03	1.00	0.00	11.55	134.16	1.92	0.03	1.00	0.00
11.57	132.59	1.86	0.06	1.00	0.00	11.59	132.12	1.84	0.07	1.00	0.00
11.61	131.97	1.83	0.07	1.00	0.00	11.63	131.87	1.83	0.07	1.00	0.00
11.65	137.88	2.00	0.00	1.00	0.00	11.67	143.88	2.00	0.00	1.00	0.00
11.69	158.37	2.00	0.00	1.00	0.00	11.71	164.06	2.00	0.00	1.00	0.00
11.73	166.81	2.00	0.00	1.00	0.00	11.75	165.87	2.00	0.00	1.00	0.00
11.77	159.06	2.00	0.00	1.00	0.00	11.79	152.54	2.00	0.00	1.00	0.00
11.81	151.39	2.00	0.00	1.00	0.00	11.83	151.16	2.00	0.00	1.00	0.00
11.85	151.14	2.00	0.00	1.00	0.00	11.87	151.11	2.00	0.00	1.00	0.00
11.89	151.80	2.00	0.00	1.00	0.00	11.91	153.25	2.00	0.00	1.00	0.00
11.93	150.81	2.00	0.00	1.00	0.00	11.95	147.69	2.00	0.00	1.00	0.00
11.97	143.83	2.00	0.00	1.00	0.00	11.99	139.61	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.01	136.90	2.00	0.00	1.00	0.00	12.03	134.12	1.94	0.02	1.00	0.00
12.05	133.64	1.92	0.03	1.00	0.00	12.07	133.54	1.92	0.03	1.00	0.00
12.09	133.45	1.92	0.03	1.00	0.00	12.11	133.36	1.91	0.03	1.00	0.00
12.13	134.29	1.95	0.02	1.00	0.00	12.15	131.70	1.85	0.06	1.00	0.00
12.17	131.58	1.84	0.06	1.00	0.00	12.19	131.52	1.84	0.06	1.00	0.00
12.21	131.47	1.84	0.06	1.00	0.00	12.23	131.46	1.84	0.06	1.00	0.00
12.25	131.47	1.84	0.06	1.00	0.00	12.27	131.49	1.85	0.06	1.00	0.00
12.29	132.15	1.87	0.05	1.00	0.00	12.31	130.04	1.79	0.09	1.00	0.00
12.33	126.35	1.67	0.15	1.00	0.00	12.35	124.07	1.60	0.19	1.00	0.00
12.37	122.44	1.56	0.22	1.00	0.00	12.39	121.88	1.54	0.23	1.00	0.00
12.41	121.56	1.53	0.23	1.00	0.00	12.43	121.25	1.53	0.24	1.00	0.00
12.45	121.35	1.53	0.24	1.00	0.00	12.47	121.00	1.52	0.24	1.00	0.00
12.49	120.86	1.52	0.24	1.00	0.00	12.51	120.72	1.51	0.25	1.00	0.00
12.53	120.66	1.51	0.25	1.00	0.00	12.55	120.45	1.51	0.25	1.00	0.00
12.57	118.60	1.46	0.29	1.00	0.01	12.58	113.90	1.36	0.38	1.00	0.01
12.60	107.96	1.24	0.52	1.00	0.01	12.62	102.96	1.16	0.67	1.00	0.01
12.64	100.31	1.12	0.77	1.00	0.02	12.66	100.24	1.12	0.77	1.00	0.02
12.68	100.17	1.12	0.77	1.00	0.02	12.70	100.10	1.12	0.77	1.00	0.02
12.72	100.19	1.13	0.77	1.00	0.02	12.74	103.47	1.17	0.64	1.00	0.01
12.76	105.16	1.20	0.59	1.00	0.01	12.78	106.19	1.22	0.56	1.00	0.01
12.80	107.83	1.25	0.51	1.00	0.01	12.82	109.86	1.29	0.46	1.00	0.01
12.84	111.14	1.31	0.43	1.00	0.01	12.86	109.97	1.29	0.46	1.00	0.01
12.88	109.97	1.29	0.46	1.00	0.01	12.90	109.96	1.29	0.46	1.00	0.01
12.92	110.09	1.29	0.45	1.00	0.01	12.94	112.53	1.34	0.40	1.00	0.01
12.96	117.40	1.45	0.30	1.00	0.01	12.98	121.29	1.55	0.22	1.00	0.00
13.00	121.12	1.54	0.22	1.00	0.00	13.02	119.92	1.51	0.25	1.00	0.00
13.04	118.73	1.48	0.27	1.00	0.01	13.06	118.99	1.49	0.26	1.00	0.01
13.08	118.43	1.48	0.27	1.00	0.01	13.10	116.33	1.43	0.31	1.00	0.01
13.12	113.06	1.36	0.38	1.00	0.01	13.14	111.14	1.32	0.42	1.00	0.01
13.16	110.65	1.31	0.43	1.00	0.01	13.18	110.60	1.31	0.43	1.00	0.01
13.20	110.54	1.31	0.43	1.00	0.01	13.22	110.53	1.31	0.43	1.00	0.01
13.24	113.03	1.36	0.37	1.00	0.01	13.26	116.63	1.44	0.30	1.00	0.01
13.28	119.23	1.51	0.25	1.00	0.00	13.30	120.72	1.55	0.22	1.00	0.00
13.32	120.14	1.53	0.23	1.00	0.00	13.34	120.12	1.53	0.23	1.00	0.00
13.36	120.10	1.53	0.23	1.00	0.00	13.38	120.32	1.54	0.23	1.00	0.00
13.40	122.06	1.59	0.20	1.00	0.00	13.42	126.68	1.73	0.12	1.00	0.00
13.44	130.12	1.85	0.06	1.00	0.00	13.46	127.88	1.77	0.10	1.00	0.00
13.48	120.87	1.56	0.22	1.00	0.00	13.50	110.31	1.32	0.42	1.00	0.01
13.52	108.86	1.29	0.45	1.00	0.01	13.54	108.18	1.28	0.47	1.00	0.01
13.56	108.01	1.28	0.47	1.00	0.01	13.58	107.85	1.27	0.47	1.00	0.01
13.60	107.87	1.27	0.47	1.00	0.01	13.62	104.95	1.23	0.54	1.00	0.01
13.64	100.03	1.15	0.69	1.00	0.01	13.66	95.96	1.09	0.86	1.00	0.02
13.68	95.71	1.09	0.87	1.00	0.02	13.70	95.64	1.09	0.87	1.00	0.02
13.72	95.60	1.09	0.87	1.00	0.02	13.74	95.56	1.09	0.87	1.00	0.02
13.76	95.69	1.09	0.86	1.00	0.02	13.78	96.04	1.10	0.84	1.00	0.02
13.80	96.81	1.11	0.81	1.00	0.02	13.82	101.66	1.18	0.63	1.00	0.01
13.84	103.29	1.21	0.58	1.00	0.01	13.86	102.51	1.19	0.60	1.00	0.01
13.88	105.17	1.24	0.52	1.00	0.01	13.90	107.82	1.28	0.46	1.00	0.01
13.92	112.19	1.37	0.36	1.00	0.01	13.94	115.20	1.43	0.30	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.96	113.13	1.39	0.34	1.00	0.01	13.98	113.62	1.40	0.33	1.00	0.01
14.00	114.11	1.41	0.32	1.00	0.01	14.02	115.57	1.45	0.29	1.00	0.01
14.04	118.67	1.52	0.24	1.00	0.00	14.06	126.58	1.75	0.10	1.00	0.00
14.08	136.41	2.00	0.00	1.00	0.00	14.10	142.42	2.00	0.00	1.00	0.00
14.12	147.00	2.00	0.00	1.00	0.00	14.14	148.49	2.00	0.00	1.00	0.00
14.16	151.21	2.00	0.00	1.00	0.00	14.18	152.49	2.00	0.00	1.00	0.00
14.20	153.14	2.00	0.00	1.00	0.00	14.22	154.88	2.00	0.00	1.00	0.00
14.24	156.34	2.00	0.00	1.00	0.00	14.26	157.59	2.00	0.00	1.00	0.00
14.28	156.51	2.00	0.00	1.00	0.00	14.30	155.36	2.00	0.00	1.00	0.00
14.32	153.91	2.00	0.00	1.00	0.00	14.34	147.44	2.00	0.00	1.00	0.00
14.36	143.29	2.00	0.00	1.00	0.00	14.38	142.52	2.00	0.00	1.00	0.00
14.40	141.75	2.00	0.00	1.00	0.00	14.42	141.01	2.00	0.00	1.00	0.00
14.44	137.75	2.00	0.00	1.00	0.00	14.45	131.59	1.96	0.02	1.00	0.00
14.47	127.63	1.81	0.08	1.00	0.00	14.49	125.78	1.75	0.11	1.00	0.00
14.51	125.13	1.73	0.12	1.00	0.00	14.53	122.88	1.66	0.15	1.00	0.00
14.55	116.08	1.48	0.27	1.00	0.01	14.57	115.51	1.47	0.28	1.00	0.01
14.59	116.40	1.49	0.26	1.00	0.01	14.61	117.29	1.51	0.24	1.00	0.00
14.63	119.38	1.57	0.21	1.00	0.00	14.65	123.73	1.69	0.13	1.00	0.00
14.67	126.98	1.80	0.08	1.00	0.00	14.69	123.69	1.69	0.13	1.00	0.00
14.71	123.79	1.70	0.13	1.00	0.00	14.73	123.89	1.70	0.13	1.00	0.00
14.75	124.48	1.72	0.12	1.00	0.00	14.77	128.01	1.84	0.06	1.00	0.00
14.79	137.08	2.00	0.00	1.00	0.00	14.81	141.62	2.00	0.00	1.00	0.00
14.83	142.25	2.00	0.00	1.00	0.00	14.85	137.29	2.00	0.00	1.00	0.00
14.87	129.02	1.88	0.05	1.00	0.00	14.89	125.04	1.74	0.11	1.00	0.00
14.91	119.23	1.57	0.20	1.00	0.00	14.93	114.73	1.46	0.28	1.00	0.01
14.95	108.66	1.34	0.39	1.00	0.01	14.97	101.24	1.21	0.55	1.00	0.01
14.99	92.93	1.10	0.84	1.00	0.02	15.01	90.02	1.06	1.00	1.00	0.02
15.03	87.81	1.04	1.18	1.00	0.02	15.05	85.64	1.01	1.43	1.00	0.03
15.07	81.35	0.97	2.62	1.00	0.05	15.09	77.33	0.93	4.14	1.00	0.08
15.11	73.77	0.90	4.33	1.00	0.09	15.13	73.66	0.90	4.34	1.00	0.09
15.15	73.81	0.91	4.33	1.00	0.09	15.17	74.79	0.91	4.28	1.00	0.08
15.19	79.19	0.95	4.05	1.00	0.08	15.21	82.02	0.98	2.18	1.00	0.04
15.23	82.05	0.98	2.15	1.00	0.04	15.25	83.28	1.00	1.78	1.00	0.04
15.27	82.93	0.99	1.85	1.00	0.04	15.29	83.45	1.00	1.72	1.00	0.03
15.31	84.53	1.01	1.50	1.00	0.03	15.33	85.78	1.02	1.31	1.00	0.03
15.35	87.07	1.04	1.17	1.00	0.02	15.37	87.62	1.05	1.11	1.00	0.02
15.39	88.18	1.05	1.06	1.00	0.02	15.41	93.33	1.11	0.77	1.00	0.02
15.43	101.06	1.22	0.53	1.00	0.01	15.45	105.05	1.29	0.44	1.00	0.01
15.47	104.41	1.28	0.45	1.00	0.01	15.49	102.72	1.25	0.49	1.00	0.01
15.51	101.72	1.24	0.51	1.00	0.01	15.53	100.88	1.23	0.53	1.00	0.01
15.55	100.65	1.22	0.53	1.00	0.01	15.57	100.77	1.22	0.53	1.00	0.01
15.59	100.89	1.23	0.52	1.00	0.01	15.61	101.26	1.23	0.51	1.00	0.01
15.63	100.89	1.23	0.52	1.00	0.01	15.65	97.93	1.19	0.59	1.00	0.01
15.67	89.41	1.07	0.93	1.00	0.02	15.69	81.73	0.99	1.89	1.00	0.04
15.71	79.28	0.97	2.96	1.00	0.06	15.73	76.52	0.94	4.18	1.00	0.08
15.75	74.34	0.93	4.30	1.00	0.09	15.76	74.13	0.92	4.31	1.00	0.09
15.78	75.37	0.94	4.24	1.00	0.08	15.80	73.05	0.92	4.37	1.00	0.09
15.82	72.89	0.91	4.38	1.00	0.09	15.84	72.87	0.92	4.38	1.00	0.09
15.86	72.95	0.92	4.38	1.00	0.09	15.88	74.47	0.93	4.29	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.90	74.35	0.93	4.30	1.00	0.09	15.92	74.32	0.93	4.30	1.00	0.09
15.94	74.30	0.93	4.30	1.00	0.09	15.96	74.59	0.93	4.29	1.00	0.08
15.98	75.80	0.94	4.22	1.00	0.08	16.00	80.29	0.99	2.10	1.00	0.04
16.02	84.50	1.03	1.25	1.00	0.02	16.04	87.20	1.06	1.00	1.00	0.02
16.06	91.48	1.11	0.77	1.00	0.02	16.08	96.72	1.18	0.59	1.00	0.01
16.10	100.92	1.25	0.49	1.00	0.01	16.12	108.21	1.37	0.35	1.00	0.01
16.14	114.05	1.50	0.25	1.00	0.00	16.16	118.19	1.60	0.18	1.00	0.00
16.18	117.91	1.60	0.18	1.00	0.00	16.20	118.58	1.62	0.17	1.00	0.00
16.22	118.54	1.62	0.17	1.00	0.00	16.24	118.01	1.60	0.18	1.00	0.00
16.26	117.85	1.60	0.18	1.00	0.00	16.28	117.75	1.60	0.18	1.00	0.00
16.30	117.72	1.60	0.18	1.00	0.00	16.32	117.69	1.60	0.18	1.00	0.00
16.34	118.78	1.63	0.17	1.00	0.00	16.36	122.60	1.74	0.11	1.00	0.00
16.38	128.71	1.95	0.02	1.00	0.00	16.40	129.96	2.00	0.00	1.00	0.00
16.42	129.51	1.99	0.01	1.00	0.00	16.44	129.27	1.98	0.01	1.00	0.00
16.46	129.18	1.97	0.01	1.00	0.00	16.48	129.12	1.97	0.01	1.00	0.00
16.50	129.06	1.97	0.01	1.00	0.00	16.52	129.91	2.00	0.00	1.00	0.00
16.54	130.67	2.00	0.00	1.00	0.00	16.56	128.03	1.94	0.02	1.00	0.00
16.58	121.84	1.73	0.11	1.00	0.00	16.60	116.87	1.59	0.19	1.00	0.00
16.62	113.76	1.51	0.23	1.00	0.00	16.64	113.51	1.51	0.24	1.00	0.00
16.66	113.56	1.51	0.24	1.00	0.00	16.68	113.60	1.51	0.23	1.00	0.00
16.70	113.76	1.52	0.23	1.00	0.00	16.72	119.23	1.66	0.15	1.00	0.00
16.74	119.45	1.67	0.14	1.00	0.00	16.76	121.12	1.72	0.12	1.00	0.00
16.78	125.10	1.84	0.06	1.00	0.00	16.80	131.27	2.00	0.00	1.00	0.00
16.81	135.73	2.00	0.00	1.00	0.00	16.83	135.45	2.00	0.00	1.00	0.00
16.85	140.35	2.00	0.00	1.00	0.00	16.87	138.71	2.00	0.00	1.00	0.00
16.89	137.45	2.00	0.00	1.00	0.00	16.91	137.26	2.00	0.00	1.00	0.00
16.93	137.08	2.00	0.00	1.00	0.00	16.95	139.20	2.00	0.00	1.00	0.00
16.97	136.89	2.00	0.00	1.00	0.00	16.99	134.94	2.00	0.00	1.00	0.00
17.01	131.84	2.00	0.00	1.00	0.00	17.03	129.02	2.00	0.00	1.00	0.00
17.05	128.95	2.00	0.00	1.00	0.00	17.07	128.89	2.00	0.00	1.00	0.00
17.09	128.82	2.00	0.00	1.00	0.00	17.11	129.56	2.00	0.00	1.00	0.00
17.13	131.10	2.00	0.00	1.00	0.00	17.15	134.84	2.00	0.00	1.00	0.00
17.17	141.35	2.00	0.00	1.00	0.00	17.19	142.69	2.00	0.00	1.00	0.00
17.21	135.94	2.00	0.00	1.00	0.00	17.23	123.08	1.80	0.08	1.00	0.00
17.25	106.58	1.39	0.32	1.00	0.01	17.27	88.64	1.12	0.73	1.00	0.01
17.29	88.23	1.11	0.74	1.00	0.01	17.31	88.02	1.11	0.74	1.00	0.01
17.33	88.86	1.12	0.71	1.00	0.01	17.35	89.70	1.13	0.68	1.00	0.01
17.37	98.39	1.25	0.46	1.00	0.01	17.39	110.39	1.47	0.26	1.00	0.01
17.41	115.55	1.59	0.18	1.00	0.00	17.43	116.98	1.63	0.16	1.00	0.00
17.45	120.12	1.72	0.12	1.00	0.00	17.47	127.82	1.98	0.01	1.00	0.00
17.49	137.28	2.00	0.00	1.00	0.00	17.51	138.20	2.00	0.00	1.00	0.00
17.53	131.18	2.00	0.00	1.00	0.00	17.55	121.51	1.77	0.09	1.00	0.00
17.57	117.74	1.66	0.15	1.00	0.00	17.59	116.81	1.64	0.16	1.00	0.00
17.61	116.75	1.63	0.16	1.00	0.00	17.63	116.70	1.63	0.16	1.00	0.00
17.65	116.72	1.64	0.16	1.00	0.00	17.67	118.53	1.69	0.13	1.00	0.00
17.68	117.92	1.67	0.14	1.00	0.00	17.70	118.83	1.70	0.13	1.00	0.00
17.72	119.74	1.72	0.11	1.00	0.00	17.74	120.84	1.76	0.10	1.00	0.00
17.76	118.74	1.70	0.13	1.00	0.00	17.78	113.27	1.56	0.20	1.00	0.00
17.80	112.83	1.55	0.21	1.00	0.00	17.82	112.59	1.54	0.21	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.84	112.49	1.54	0.21	1.00	0.00	17.86	113.16	1.56	0.20	1.00	0.00
17.88	113.84	1.57	0.19	1.00	0.00	17.90	112.57	1.54	0.21	1.00	0.00
17.92	108.67	1.46	0.27	1.00	0.01	17.94	100.32	1.31	0.39	1.00	0.01
17.96	90.44	1.16	0.59	1.00	0.01	17.98	85.38	1.10	0.76	1.00	0.01
18.00	83.04	1.08	0.87	1.00	0.02	18.02	81.89	1.07	0.93	1.00	0.02
18.04	81.42	1.06	0.96	1.00	0.02	18.06	81.45	1.06	0.95	1.00	0.02
18.08	80.65	1.05	1.01	1.00	0.02	18.10	80.38	1.05	1.03	1.00	0.02
18.12	80.29	1.05	1.03	1.00	0.02	18.14	80.31	1.05	1.02	1.00	0.02
18.16	80.34	1.05	1.01	1.00	0.02	18.18	80.88	1.06	0.97	1.00	0.02
18.20	83.20	1.09	0.82	1.00	0.02	18.22	86.44	1.12	0.69	1.00	0.01
18.24	87.31	1.13	0.66	1.00	0.01	18.26	85.39	1.11	0.72	1.00	0.01
18.28	81.44	1.07	0.91	1.00	0.02	18.30	80.87	1.06	0.94	1.00	0.02
18.32	80.83	1.06	0.94	1.00	0.02	18.34	80.81	1.06	0.94	1.00	0.02
18.36	81.00	1.07	0.92	1.00	0.02	18.38	81.50	1.07	0.88	1.00	0.02
18.40	85.17	1.11	0.71	1.00	0.01	18.42	88.32	1.15	0.61	1.00	0.01
18.44	90.38	1.18	0.55	1.00	0.01	18.45	92.35	1.21	0.51	1.00	0.01
18.47	97.50	1.28	0.41	1.00	0.01	18.49	105.02	1.41	0.30	1.00	0.01
18.51	118.03	1.71	0.12	1.00	0.00	18.53	128.01	2.00	0.00	1.00	0.00
18.55	130.14	2.00	0.00	1.00	0.00	18.57	124.82	1.93	0.02	1.00	0.00
18.59	120.64	1.80	0.08	1.00	0.00	18.61	120.62	1.80	0.08	1.00	0.00
18.63	120.59	1.80	0.08	1.00	0.00	18.65	120.75	1.80	0.08	1.00	0.00
18.67	122.26	1.85	0.06	1.00	0.00	18.69	129.48	2.00	0.00	1.00	0.00
18.71	135.67	2.00	0.00	1.00	0.00	18.73	133.95	2.00	0.00	1.00	0.00
18.75	134.72	2.00	0.00	1.00	0.00	18.77	135.49	2.00	0.00	1.00	0.00
18.79	141.61	2.00	0.00	1.00	0.00	18.81	141.60	2.00	0.00	1.00	0.00
18.83	141.58	2.00	0.00	1.00	0.00	18.85	139.36	2.00	0.00	1.00	0.00
18.87	138.26	2.00	0.00	1.00	0.00	18.89	137.15	2.00	0.00	1.00	0.00
18.91	138.04	2.00	0.00	1.00	0.00	18.93	135.21	2.00	0.00	1.00	0.00
18.95	130.64	2.00	0.00	1.00	0.00	18.97	127.80	2.00	0.00	1.00	0.00
18.99	127.16	2.00	0.00	1.00	0.00	19.01	126.04	2.00	0.00	1.00	0.00
19.03	125.51	1.99	0.00	1.00	0.00	19.05	125.52	1.99	0.00	1.00	0.00
19.07	125.52	1.99	0.00	1.00	0.00	19.09	125.69	2.00	0.00	1.00	0.00
19.11	127.52	2.00	0.00	1.00	0.00	19.12	129.94	2.00	0.00	1.00	0.00
19.14	131.82	2.00	0.00	1.00	0.00	19.16	133.22	2.00	0.00	1.00	0.00
19.18	136.41	2.00	0.00	1.00	0.00	19.20	138.94	2.00	0.00	1.00	0.00
19.22	139.45	2.00	0.00	1.00	0.00	19.24	138.73	2.00	0.00	1.00	0.00
19.26	133.29	2.00	0.00	1.00	0.00	19.28	127.14	2.00	0.00	1.00	0.00
19.30	118.43	1.77	0.09	1.00	0.00	19.32	108.96	1.53	0.21	1.00	0.00
19.34	102.93	1.41	0.29	1.00	0.01	19.36	99.31	1.35	0.34	1.00	0.01
19.38	97.45	1.32	0.37	1.00	0.01	19.40	96.80	1.31	0.37	1.00	0.01
19.42	94.69	1.28	0.40	1.00	0.01	19.44	88.83	1.20	0.50	1.00	0.01
19.46	86.27	1.16	0.56	1.00	0.01	19.48	85.18	1.15	0.58	1.00	0.01
19.50	85.07	1.15	0.58	1.00	0.01	19.52	83.89	1.14	0.61	1.00	0.01
19.54	82.22	1.12	0.66	1.00	0.01	19.56	81.90	1.12	0.67	1.00	0.01
19.58	81.96	1.12	0.66	1.00	0.01	19.60	81.90	1.12	0.66	1.00	0.01
19.62	81.90	1.12	0.66	1.00	0.01	19.64	81.88	1.12	0.66	1.00	0.01
19.66	81.85	1.12	0.66	1.00	0.01	19.68	82.33	1.12	0.64	1.00	0.01
19.70	83.74	1.14	0.59	1.00	0.01	19.71	86.60	1.18	0.53	1.00	0.01
19.73	88.25	1.20	0.49	1.00	0.01	19.75	89.67	1.22	0.46	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.77	87.88	1.19	0.50	1.00	0.01	19.79	85.12	1.16	0.55	1.00	0.01
19.81	87.64	1.19	0.50	1.00	0.01	19.83	89.80	1.22	0.46	1.00	0.01
19.85	91.29	1.24	0.43	1.00	0.01	19.87	90.54	1.23	0.44	1.00	0.01
19.89	90.23	1.23	0.45	1.00	0.01	19.91	90.13	1.23	0.45	1.00	0.01

Total estimated settlement: 8.60

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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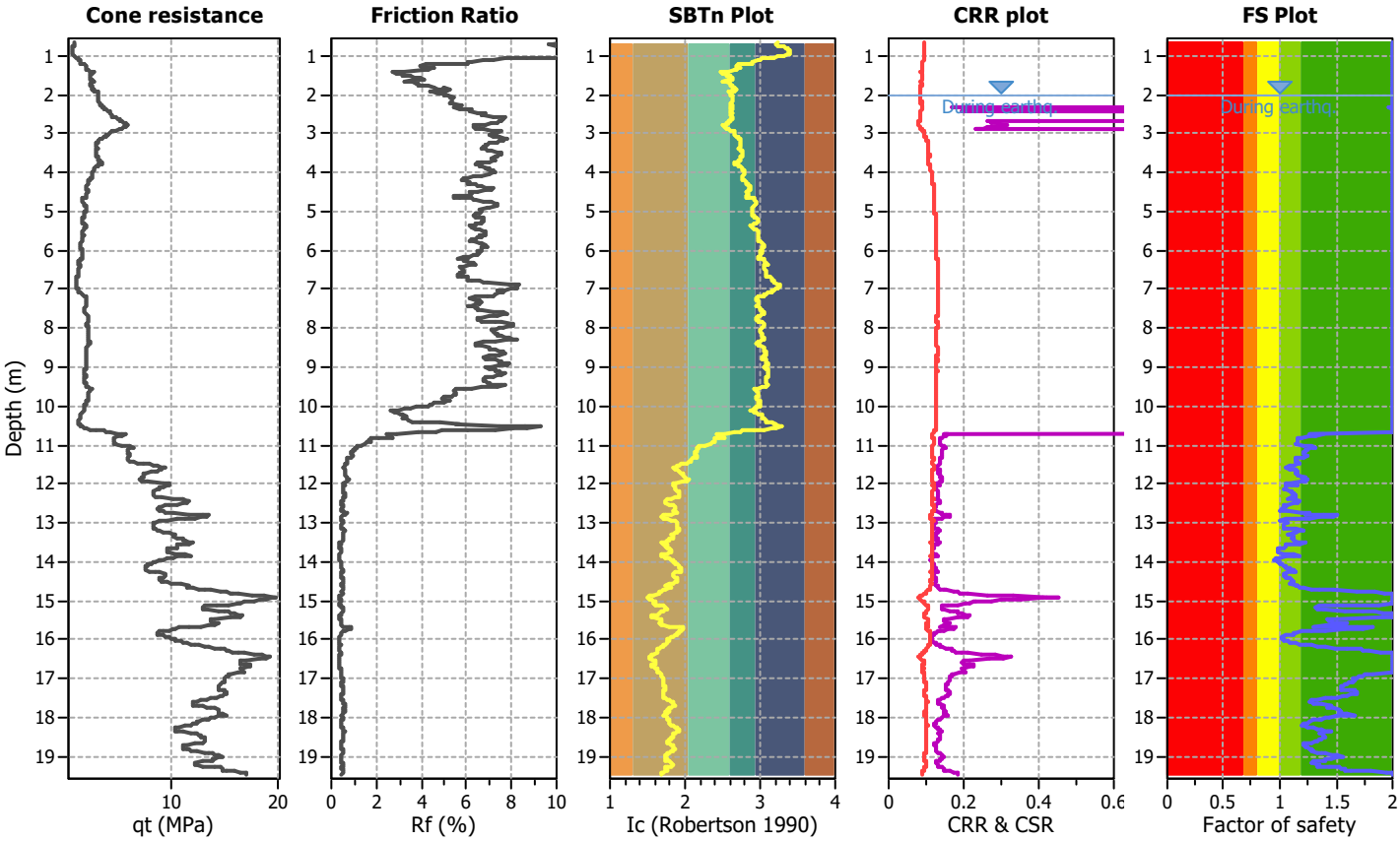
LIQUEFACTION ANALYSIS REPORT

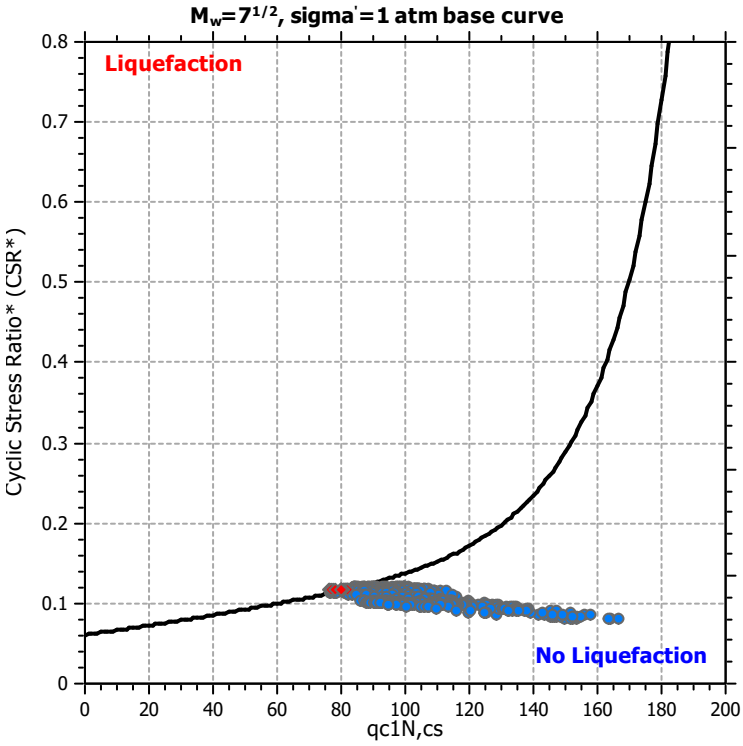
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

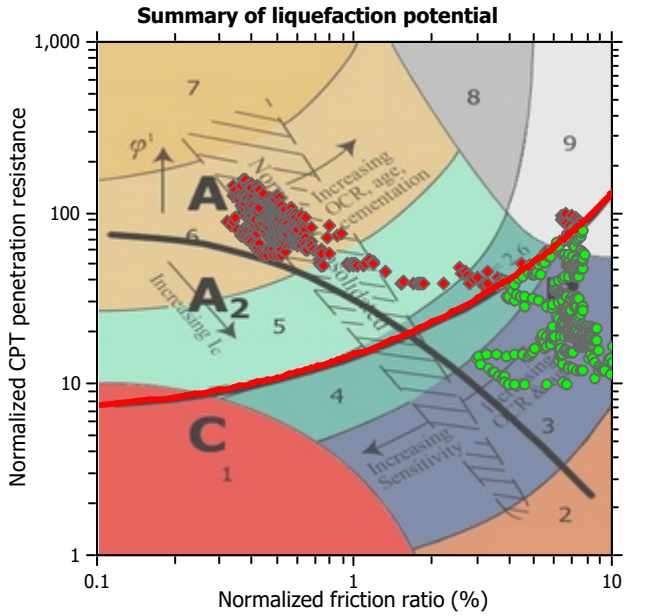
CPT file : P305 - cptu-11

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

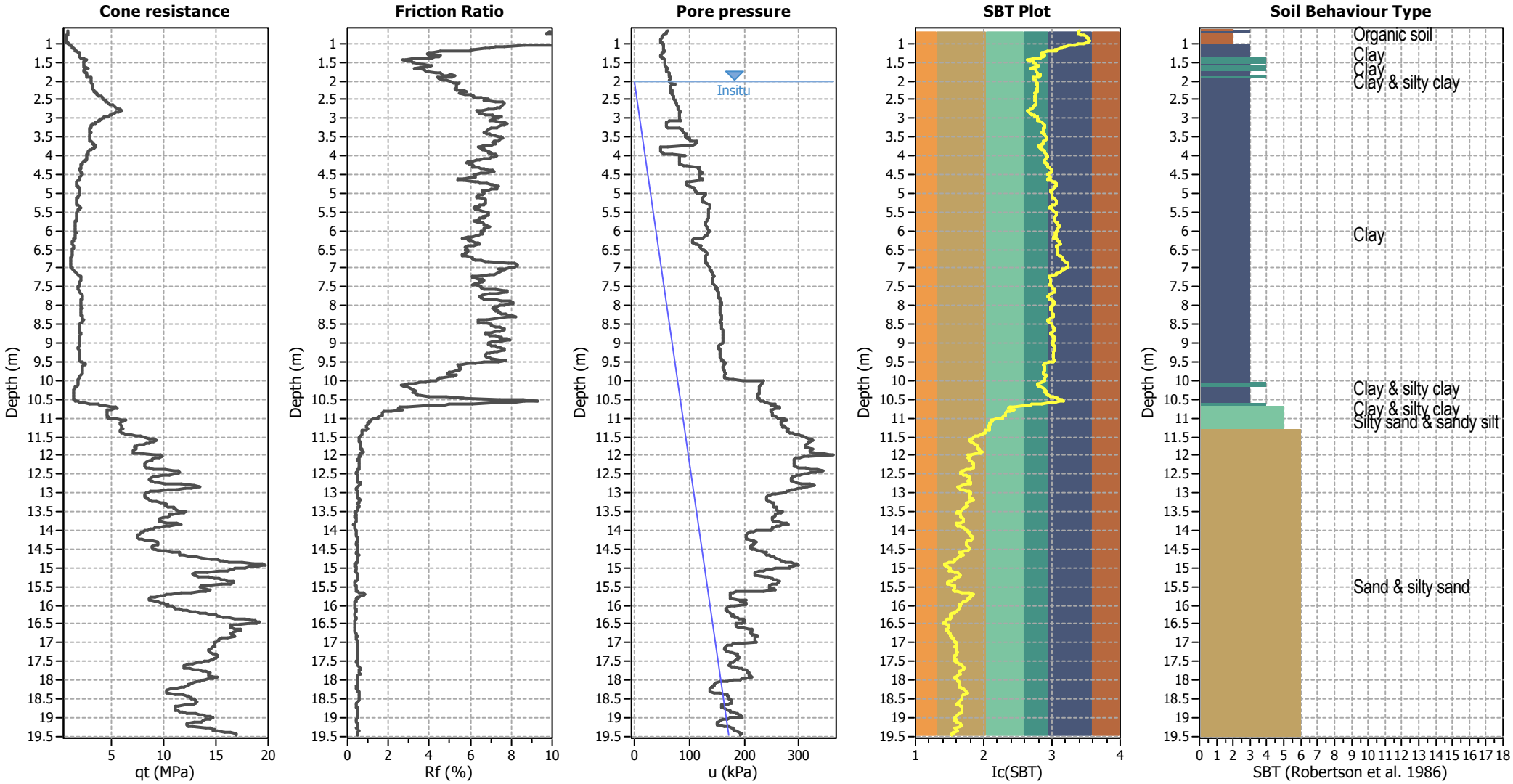






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



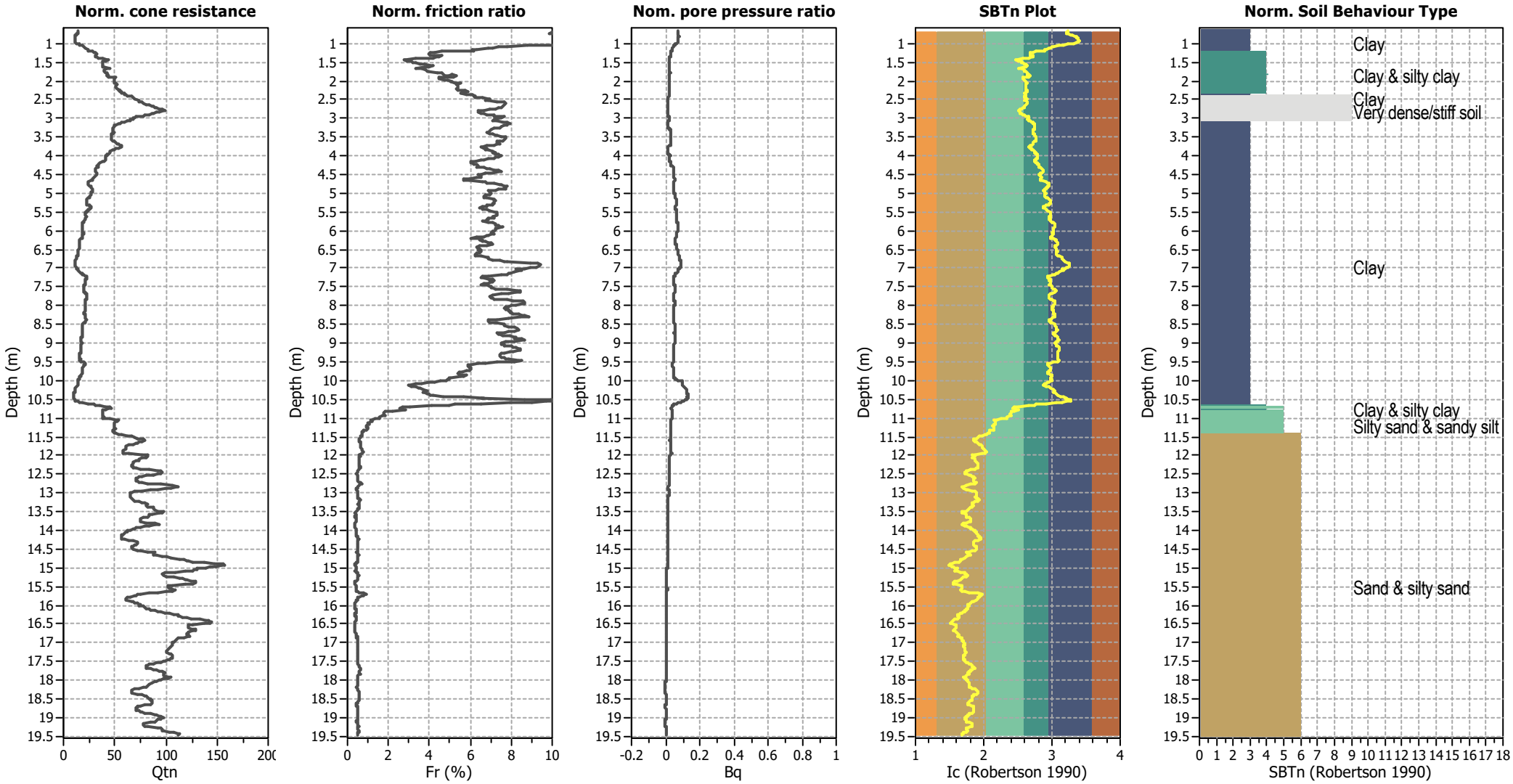
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



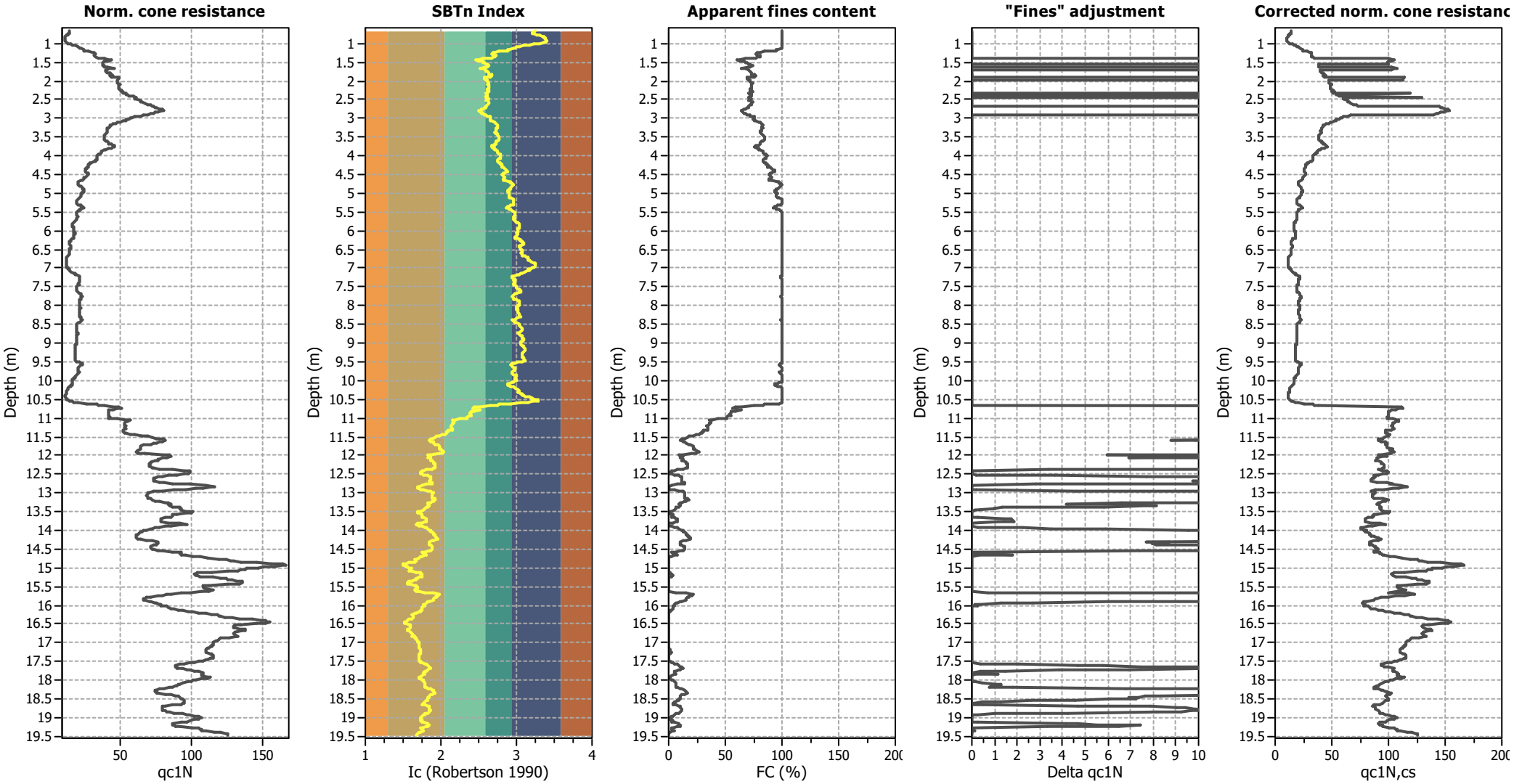
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

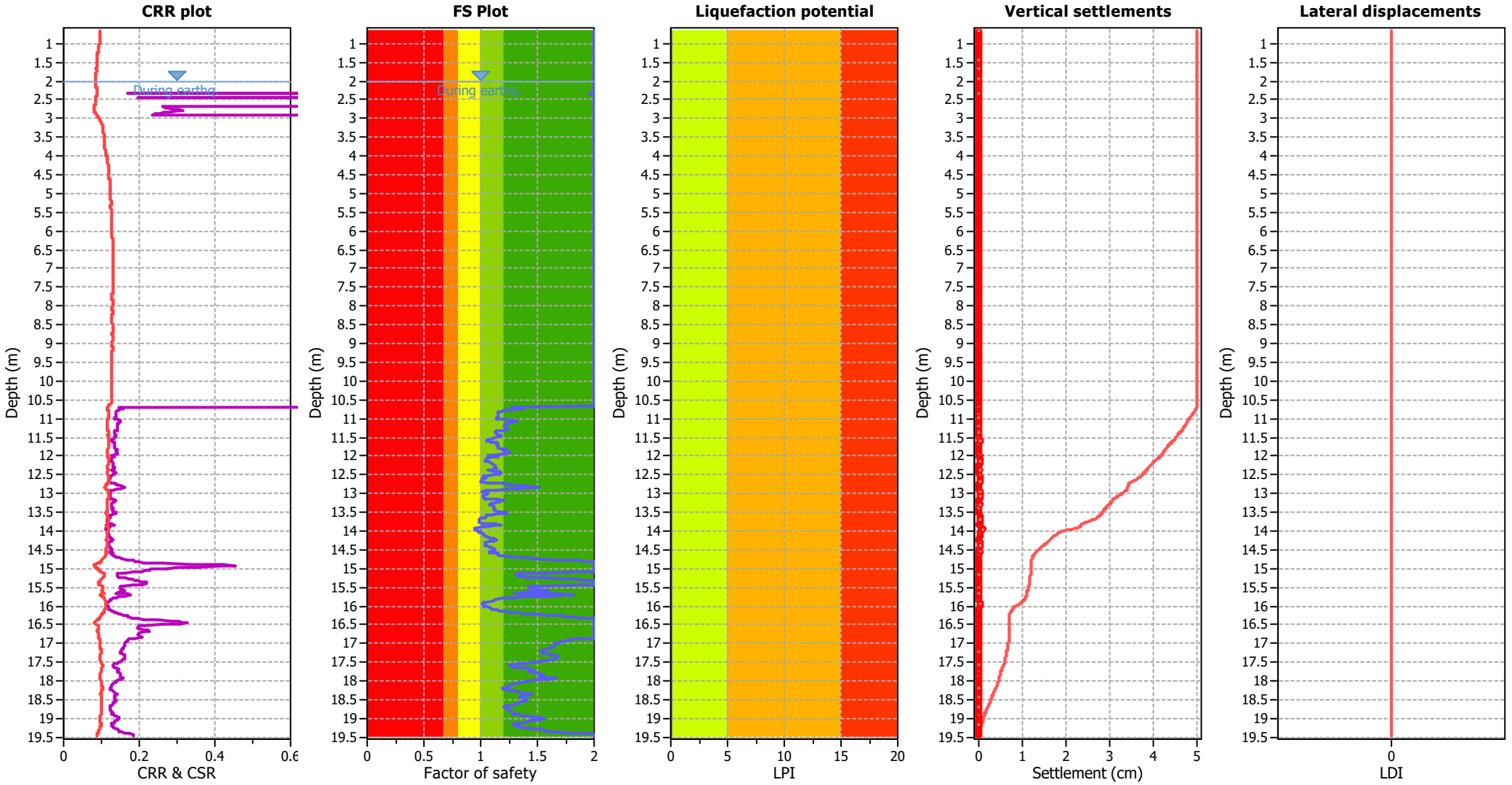
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

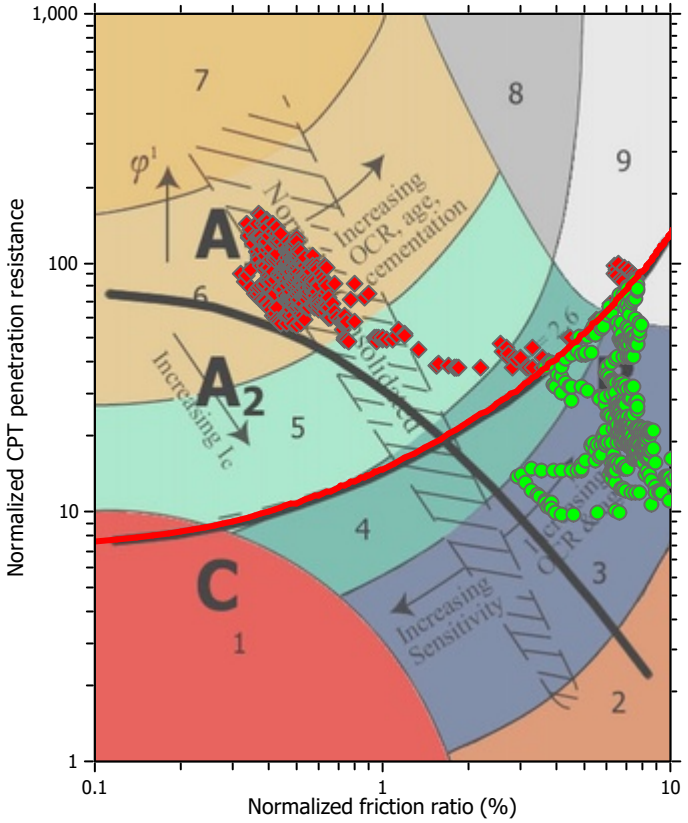
F.S. color scheme

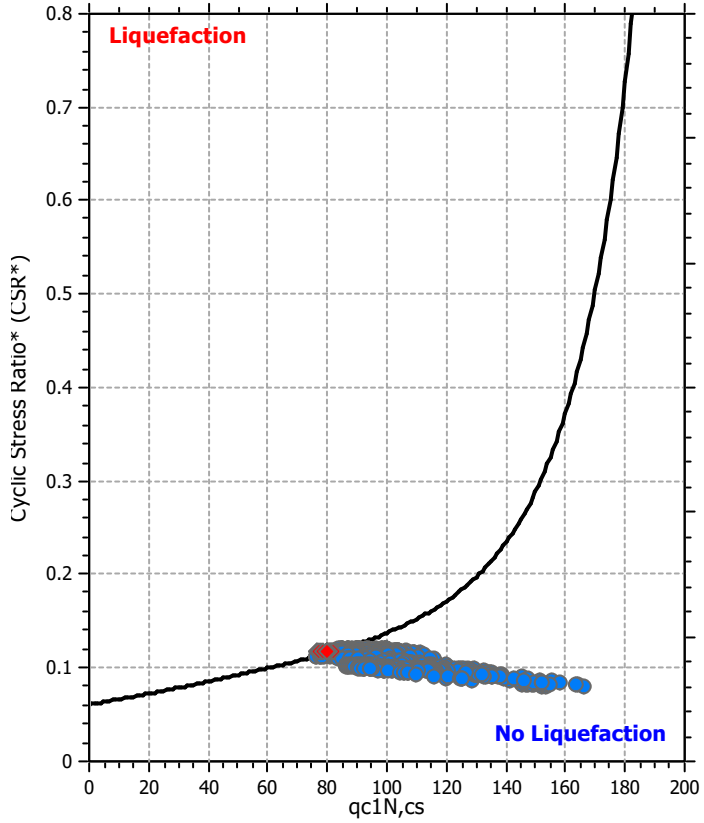
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

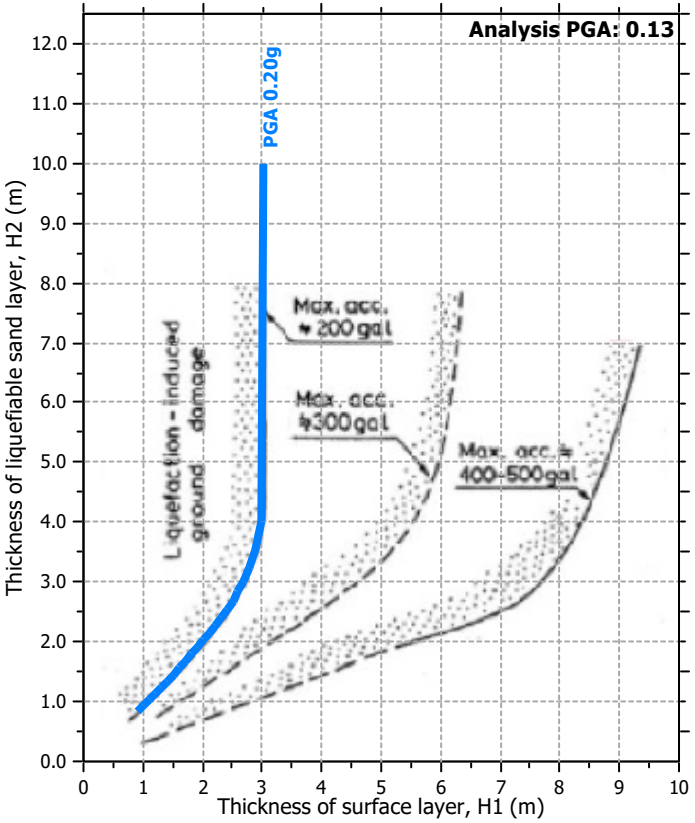
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



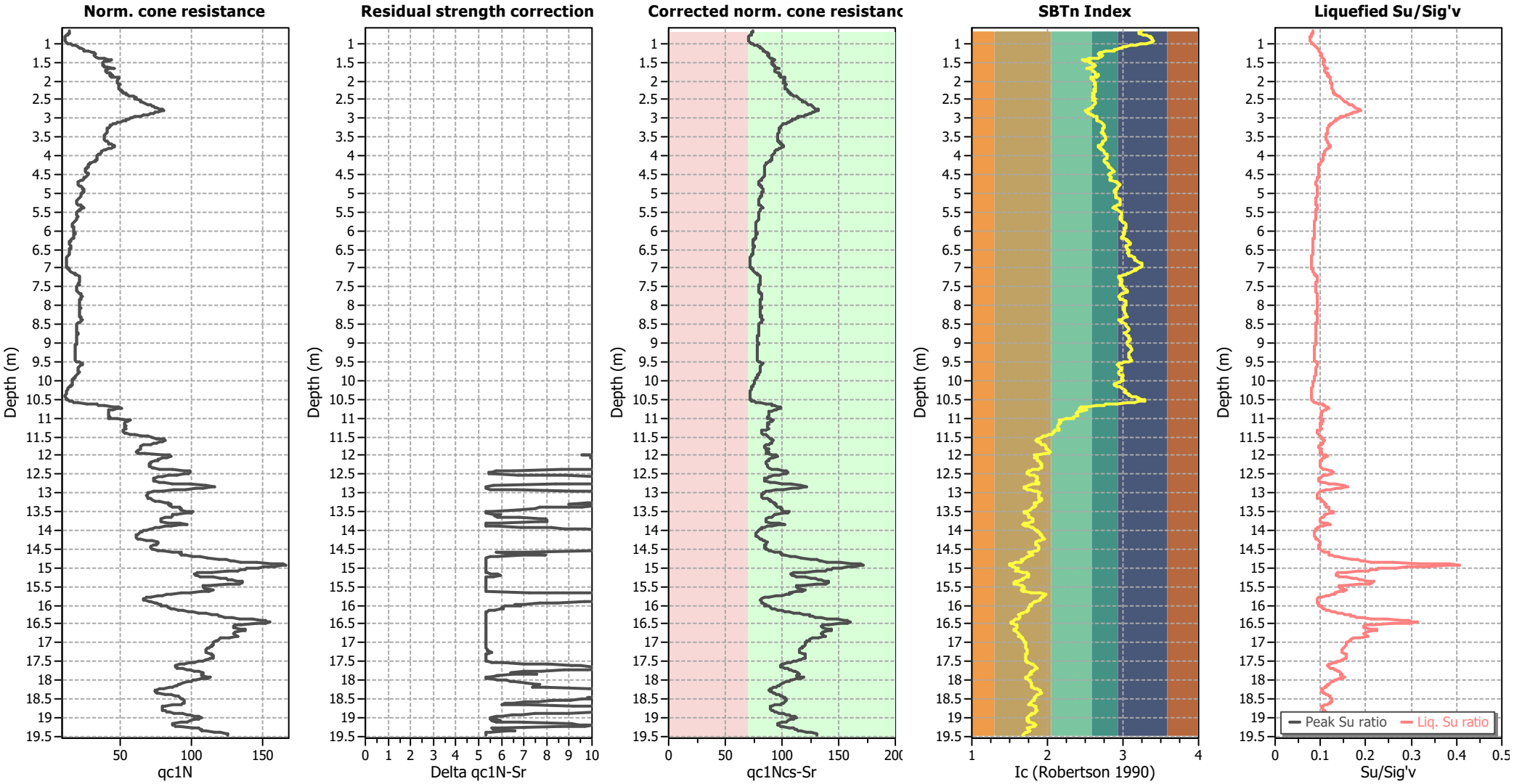




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	1.96	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.59	2.00	0.00	0.00	0.03	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.19	2.00	0.00	0.00	0.03	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.92	2.00	0.00	0.00	0.02	0.00
8.94	2.00	0.00	0.00	0.02	0.00	8.96	2.00	0.00	0.00	0.02	0.00
8.98	2.00	0.00	0.00	0.02	0.00	9.00	2.00	0.00	0.00	0.02	0.00
9.02	2.00	0.00	0.00	0.02	0.00	9.04	2.00	0.00	0.00	0.02	0.00
9.06	2.00	0.00	0.00	0.02	0.00	9.08	2.00	0.00	0.00	0.02	0.00
9.10	2.00	0.00	0.00	0.02	0.00	9.12	2.00	0.00	0.00	0.02	0.00
9.14	2.00	0.00	0.00	0.02	0.00	9.16	2.00	0.00	0.00	0.02	0.00
9.18	2.00	0.00	0.00	0.02	0.00	9.20	2.00	0.00	0.00	0.02	0.00
9.22	2.00	0.00	0.00	0.02	0.00	9.24	2.00	0.00	0.00	0.02	0.00
9.26	2.00	0.00	0.00	0.02	0.00	9.28	2.00	0.00	0.00	0.02	0.00
9.30	2.00	0.00	0.00	0.02	0.00	9.32	2.00	0.00	0.00	0.02	0.00
9.34	2.00	0.00	0.00	0.02	0.00	9.36	2.00	0.00	0.00	0.02	0.00
9.38	2.00	0.00	0.00	0.02	0.00	9.40	2.00	0.00	0.00	0.02	0.00
9.42	2.00	0.00	0.00	0.02	0.00	9.44	2.00	0.00	0.00	0.02	0.00
9.46	2.00	0.00	0.00	0.02	0.00	9.48	2.00	0.00	0.00	0.02	0.00
9.50	2.00	0.00	0.00	0.02	0.00	9.52	2.00	0.00	0.00	0.02	0.00
9.54	2.00	0.00	0.00	0.02	0.00	9.56	2.00	0.00	0.00	0.02	0.00
9.58	2.00	0.00	0.00	0.02	0.00	9.60	2.00	0.00	0.00	0.02	0.00
9.62	2.00	0.00	0.00	0.02	0.00	9.64	2.00	0.00	0.00	0.02	0.00
9.66	2.00	0.00	0.00	0.02	0.00	9.68	2.00	0.00	0.00	0.02	0.00
9.70	2.00	0.00	0.00	0.02	0.00	9.72	2.00	0.00	0.00	0.02	0.00
9.74	2.00	0.00	0.00	0.02	0.00	9.76	2.00	0.00	0.00	0.02	0.00
9.78	2.00	0.00	0.00	0.02	0.00	9.80	2.00	0.00	0.00	0.02	0.00
9.82	2.00	0.00	0.00	0.02	0.00	9.84	2.00	0.00	0.00	0.02	0.00
9.86	2.00	0.00	0.00	0.02	0.00	9.88	2.00	0.00	0.00	0.02	0.00
9.90	2.00	0.00	0.00	0.02	0.00	9.92	2.00	0.00	0.00	0.02	0.00
9.94	2.00	0.00	0.00	0.02	0.00	9.96	2.00	0.00	0.00	0.02	0.00
9.98	2.00	0.00	0.00	0.02	0.00	10.00	2.00	0.00	0.00	0.02	0.00
10.02	2.00	0.00	0.00	0.02	0.00	10.04	2.00	0.00	0.00	0.02	0.00
10.06	2.00	0.00	0.00	0.02	0.00	10.08	2.00	0.00	0.00	0.02	0.00
10.10	2.00	0.00	0.00	0.02	0.00	10.12	2.00	0.00	0.00	0.02	0.00
10.14	2.00	0.00	0.00	0.02	0.00	10.16	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	2.00	0.00	0.00	0.02	0.00	10.24	2.00	0.00	0.00	0.02	0.00
10.26	2.00	0.00	0.00	0.02	0.00	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	1.27	0.00	0.00	0.02	0.00	10.72	1.34	0.00	0.00	0.02	0.00
10.74	1.38	0.00	0.00	0.02	0.00	10.76	1.31	0.00	0.00	0.02	0.00
10.78	1.26	0.00	0.00	0.02	0.00	10.80	1.20	0.00	0.00	0.02	0.00
10.82	1.17	0.00	0.00	0.02	0.00	10.84	1.16	0.00	0.00	0.02	0.00
10.86	1.15	0.00	0.00	0.02	0.00	10.88	1.15	0.00	0.00	0.02	0.00
10.90	1.15	0.00	0.00	0.02	0.00	10.92	1.16	0.00	0.00	0.02	0.00
10.94	1.15	0.00	0.00	0.02	0.00	10.96	1.16	0.00	0.00	0.02	0.00
10.98	1.14	0.00	0.00	0.02	0.00	11.00	1.14	0.00	0.00	0.02	0.00
11.02	1.22	0.00	0.00	0.02	0.00	11.04	1.28	0.00	0.00	0.02	0.00
11.06	1.32	0.00	0.00	0.02	0.00	11.08	1.30	0.00	0.00	0.02	0.00
11.10	1.26	0.00	0.00	0.02	0.00	11.12	1.24	0.00	0.00	0.02	0.00
11.14	1.23	0.00	0.00	0.02	0.00	11.16	1.23	0.00	0.00	0.02	0.00
11.18	1.22	0.00	0.00	0.02	0.00	11.20	1.21	0.00	0.00	0.02	0.00
11.22	1.21	0.00	0.00	0.02	0.00	11.24	1.21	0.00	0.00	0.02	0.00
11.26	1.22	0.00	0.00	0.02	0.00	11.28	1.23	0.00	0.00	0.02	0.00
11.30	1.24	0.00	0.00	0.02	0.00	11.32	1.20	0.00	0.00	0.02	0.00
11.34	1.14	0.00	0.00	0.02	0.00	11.36	1.13	0.00	0.00	0.02	0.00
11.38	1.13	0.00	0.00	0.02	0.00	11.40	1.14	0.00	0.00	0.02	0.00
11.42	1.14	0.00	0.00	0.02	0.00	11.44	1.16	0.00	0.00	0.02	0.00
11.46	1.18	0.00	0.00	0.02	0.00	11.48	1.18	0.00	0.00	0.02	0.00
11.50	1.15	0.00	0.00	0.02	0.00	11.52	1.12	0.00	0.00	0.02	0.00
11.54	1.09	0.00	0.00	0.02	0.00	11.56	1.06	0.00	0.00	0.02	0.00
11.58	1.05	0.00	0.00	0.02	0.00	11.60	1.06	0.00	0.00	0.02	0.00
11.62	1.09	0.00	0.00	0.02	0.00	11.64	1.14	0.00	0.00	0.02	0.00
11.66	1.16	0.00	0.00	0.02	0.00	11.68	1.14	0.00	0.00	0.02	0.00
11.70	1.15	0.00	0.00	0.02	0.00	11.72	1.14	0.00	0.00	0.02	0.00
11.74	1.15	0.00	0.00	0.02	0.00	11.76	1.15	0.00	0.00	0.02	0.00
11.78	1.16	0.00	0.00	0.02	0.00	11.80	1.16	0.00	0.00	0.02	0.00
11.82	1.23	0.00	0.00	0.02	0.00	11.84	1.19	0.00	0.00	0.02	0.00
11.86	1.20	0.00	0.00	0.02	0.00	11.88	1.21	0.00	0.00	0.02	0.00
11.90	1.25	0.00	0.00	0.02	0.00	11.92	1.22	0.00	0.00	0.02	0.00
11.94	1.22	0.00	0.00	0.02	0.00	11.96	1.20	0.00	0.00	0.02	0.00
11.98	1.09	0.00	0.00	0.02	0.00	12.00	1.06	0.00	0.00	0.02	0.00
12.02	1.15	0.00	0.00	0.02	0.00	12.04	1.11	0.00	0.00	0.02	0.00
12.06	1.05	0.00	0.00	0.02	0.00	12.08	1.06	0.00	0.00	0.02	0.00
12.10	1.06	0.00	0.00	0.02	0.00	12.12	1.05	0.00	0.00	0.02	0.00
12.14	1.04	0.00	0.00	0.02	0.00	12.16	1.06	0.00	0.00	0.02	0.00
12.18	1.09	0.00	0.00	0.02	0.00	12.20	1.10	0.00	0.00	0.02	0.00
12.22	1.11	0.00	0.00	0.02	0.00	12.24	1.13	0.00	0.00	0.02	0.00
12.26	1.13	0.00	0.00	0.02	0.00	12.28	1.13	0.00	0.00	0.02	0.00
12.30	1.13	0.00	0.00	0.02	0.00	12.32	1.14	0.00	0.00	0.02	0.00
12.34	1.12	0.00	0.00	0.02	0.00	12.36	1.11	0.00	0.00	0.02	0.00
12.38	1.06	0.00	0.00	0.02	0.00	12.40	1.12	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.42	1.17	0.00	0.00	0.02	0.00	12.44	1.18	0.00	0.00	0.02	0.00
12.46	1.18	0.00	0.00	0.02	0.00	12.48	1.17	0.00	0.00	0.02	0.00
12.50	1.13	0.00	0.00	0.02	0.00	12.52	1.07	0.00	0.00	0.02	0.00
12.54	1.03	0.00	0.00	0.02	0.00	12.56	1.03	0.00	0.00	0.02	0.00
12.58	1.05	0.00	0.00	0.02	0.00	12.60	1.03	0.00	0.00	0.02	0.00
12.62	1.01	0.00	0.00	0.02	0.00	12.64	1.01	0.00	0.00	0.02	0.00
12.66	1.01	0.00	0.00	0.02	0.00	12.68	1.00	0.00	0.00	0.02	0.00
12.70	1.00	0.00	0.00	0.02	0.00	12.72	1.07	0.00	0.00	0.02	0.00
12.74	1.19	0.00	0.00	0.02	0.00	12.76	1.26	0.00	0.00	0.02	0.00
12.78	1.23	0.00	0.00	0.02	0.00	12.80	1.39	0.00	0.00	0.02	0.00
12.82	1.51	0.00	0.00	0.02	0.00	12.84	1.48	0.00	0.00	0.02	0.00
12.86	1.34	0.00	0.00	0.02	0.00	12.88	1.26	0.00	0.00	0.02	0.00
12.90	1.14	0.00	0.00	0.02	0.00	12.92	1.05	0.00	0.00	0.02	0.00
12.94	1.01	0.00	0.00	0.02	0.00	12.96	1.05	0.00	0.00	0.02	0.00
12.98	1.06	0.00	0.00	0.02	0.00	13.00	1.06	0.00	0.00	0.02	0.00
13.02	1.05	0.00	0.00	0.02	0.00	13.04	1.03	0.00	0.00	0.02	0.00
13.06	1.03	0.00	0.00	0.02	0.00	13.08	1.03	0.00	0.00	0.02	0.00
13.10	1.03	0.00	0.00	0.02	0.00	13.12	1.03	0.00	0.00	0.02	0.00
13.14	1.04	0.00	0.00	0.02	0.00	13.16	1.14	0.00	0.00	0.02	0.00
13.18	1.20	0.00	0.00	0.02	0.00	13.20	1.18	0.00	0.00	0.02	0.00
13.22	1.17	0.00	0.00	0.02	0.00	13.24	1.14	0.00	0.00	0.02	0.00
13.26	1.11	0.00	0.00	0.02	0.00	13.28	1.09	0.00	0.00	0.02	0.00
13.30	1.08	0.00	0.00	0.02	0.00	13.32	1.09	0.00	0.00	0.02	0.00
13.34	1.12	0.00	0.00	0.02	0.00	13.36	1.12	0.00	0.00	0.02	0.00
13.38	1.11	0.00	0.00	0.02	0.00	13.40	1.12	0.00	0.00	0.02	0.00
13.42	1.13	0.00	0.00	0.02	0.00	13.44	1.12	0.00	0.00	0.02	0.00
13.46	1.12	0.00	0.00	0.02	0.00	13.48	1.16	0.00	0.00	0.02	0.00
13.50	1.23	0.00	0.00	0.02	0.00	13.52	1.23	0.00	0.00	0.02	0.00
13.54	1.17	0.00	0.00	0.02	0.00	13.56	1.09	0.00	0.00	0.02	0.00
13.58	1.05	0.00	0.00	0.02	0.00	13.60	1.05	0.00	0.00	0.02	0.00
13.62	1.05	0.00	0.00	0.02	0.00	13.64	1.04	0.00	0.00	0.02	0.00
13.66	1.00	0.00	769538704	0.02	0.00	13.68	0.98	0.02	135630.63	0.02	0.00
13.70	0.98	0.02	74648.08	0.02	0.00	13.72	0.98	0.02	85950.54	0.02	0.00
13.74	0.98	0.02	107703.98	0.02	0.00	13.76	0.98	0.02	174666.00	0.02	0.00
13.78	0.98	0.02	266888.48	0.02	0.00	13.80	1.03	0.00	0.00	0.02	0.00
13.82	1.12	0.00	0.00	0.02	0.00	13.84	1.18	0.00	0.00	0.02	0.00
13.86	1.13	0.00	0.00	0.02	0.00	13.88	1.05	0.00	0.00	0.02	0.00
13.90	1.01	0.00	0.00	0.02	0.00	13.92	0.97	0.03	304.92	0.02	0.00
13.94	0.95	0.05	64.27	0.02	0.00	13.96	0.95	0.05	65.47	0.02	0.00
13.98	0.96	0.04	144.23	0.02	0.00	14.00	0.97	0.03	1807.56	0.02	0.00
14.02	0.99	0.01	95985500.	0.02	0.00	14.04	0.99	0.01	8918091704.02	0.02	0.00
14.06	1.01	0.00	0.00	0.02	0.00	14.08	1.02	0.00	0.00	0.02	0.00
14.10	1.03	0.00	0.00	0.02	0.00	14.12	1.04	0.00	0.00	0.02	0.00
14.14	1.05	0.00	0.00	0.02	0.00	14.16	1.07	0.00	0.00	0.02	0.00
14.18	1.09	0.00	0.00	0.02	0.00	14.20	1.11	0.00	0.00	0.02	0.00
14.22	1.13	0.00	0.00	0.02	0.00	14.24	1.15	0.00	0.00	0.02	0.00
14.26	1.11	0.00	0.00	0.02	0.00	14.28	1.07	0.00	0.00	0.02	0.00
14.30	1.04	0.00	0.00	0.02	0.00	14.32	1.05	0.00	0.00	0.02	0.00
14.34	1.04	0.00	0.00	0.02	0.00	14.36	1.04	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.38	1.04	0.00	0.00	0.02	0.00	14.40	1.06	0.00	0.00	0.02	0.00
14.42	1.08	0.00	0.00	0.02	0.00	14.44	1.09	0.00	0.00	0.02	0.00
14.46	1.10	0.00	0.00	0.02	0.00	14.48	1.11	0.00	0.00	0.02	0.00
14.50	1.13	0.00	0.00	0.02	0.00	14.52	1.13	0.00	0.00	0.02	0.00
14.54	1.11	0.00	0.00	0.02	0.00	14.56	1.08	0.00	0.00	0.02	0.00
14.58	1.08	0.00	0.00	0.02	0.00	14.60	1.15	0.00	0.00	0.02	0.00
14.62	1.15	0.00	0.00	0.02	0.00	14.64	1.15	0.00	0.00	0.02	0.00
14.66	1.17	0.00	0.00	0.02	0.00	14.68	1.20	0.00	0.00	0.02	0.00
14.70	1.28	0.00	0.00	0.02	0.00	14.72	1.35	0.00	0.00	0.02	0.00
14.74	1.47	0.00	0.00	0.02	0.00	14.76	1.68	0.00	0.00	0.02	0.00
14.78	1.85	0.00	0.00	0.02	0.00	14.80	1.94	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	1.88	0.00	0.00	0.02	0.00	15.12	1.56	0.00	0.00	0.02	0.00
15.14	1.35	0.00	0.00	0.02	0.00	15.16	1.32	0.00	0.00	0.02	0.00
15.18	1.31	0.00	0.00	0.02	0.00	15.20	1.33	0.00	0.00	0.02	0.00
15.22	1.35	0.00	0.00	0.02	0.00	15.24	1.39	0.00	0.00	0.02	0.00
15.26	1.58	0.00	0.00	0.02	0.00	15.28	1.73	0.00	0.00	0.02	0.00
15.30	1.85	0.00	0.00	0.02	0.00	15.32	1.91	0.00	0.00	0.02	0.00
15.34	2.00	0.00	0.00	0.02	0.00	15.36	2.00	0.00	0.00	0.02	0.00
15.38	2.00	0.00	0.00	0.02	0.00	15.40	2.00	0.00	0.00	0.02	0.00
15.42	2.00	0.00	0.00	0.02	0.00	15.44	1.91	0.00	0.00	0.02	0.00
15.46	1.51	0.00	0.00	0.02	0.00	15.48	1.43	0.00	0.00	0.02	0.00
15.50	1.42	0.00	0.00	0.02	0.00	15.52	1.44	0.00	0.00	0.02	0.00
15.54	1.45	0.00	0.00	0.02	0.00	15.56	1.48	0.00	0.00	0.02	0.00
15.58	1.57	0.00	0.00	0.02	0.00	15.60	1.60	0.00	0.00	0.02	0.00
15.62	1.52	0.00	0.00	0.02	0.00	15.64	1.42	0.00	0.00	0.02	0.00
15.66	1.29	0.00	0.00	0.02	0.00	15.68	1.68	0.00	0.00	0.02	0.00
15.70	1.83	0.00	0.00	0.02	0.00	15.72	1.74	0.00	0.00	0.02	0.00
15.74	1.58	0.00	0.00	0.02	0.00	15.76	1.41	0.00	0.00	0.02	0.00
15.78	1.29	0.00	0.00	0.02	0.00	15.80	1.20	0.00	0.00	0.02	0.00
15.82	1.15	0.00	0.00	0.02	0.00	15.84	1.13	0.00	0.00	0.02	0.00
15.86	1.12	0.00	0.00	0.02	0.00	15.88	1.11	0.00	0.00	0.02	0.00
15.90	1.06	0.00	0.00	0.02	0.00	15.92	1.02	0.00	0.00	0.02	0.00
15.94	1.01	0.00	0.00	0.02	0.00	15.96	1.01	0.00	0.00	0.02	0.00
15.98	1.02	0.00	0.00	0.02	0.00	16.00	1.03	0.00	0.00	0.02	0.00
16.02	1.03	0.00	0.00	0.02	0.00	16.04	1.07	0.00	0.00	0.02	0.00
16.06	1.09	0.00	0.00	0.02	0.00	16.08	1.10	0.00	0.00	0.02	0.00
16.10	1.14	0.00	0.00	0.02	0.00	16.12	1.17	0.00	0.00	0.02	0.00
16.14	1.22	0.00	0.00	0.02	0.00	16.16	1.27	0.00	0.00	0.02	0.00
16.18	1.33	0.00	0.00	0.02	0.00	16.20	1.40	0.00	0.00	0.02	0.00
16.22	1.50	0.00	0.00	0.02	0.00	16.24	1.59	0.00	0.00	0.02	0.00
16.26	1.72	0.00	0.00	0.02	0.00	16.28	1.74	0.00	0.00	0.02	0.00
16.30	1.79	0.00	0.00	0.02	0.00	16.32	1.89	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.61	2.00	0.00	0.00	0.02	0.00	16.63	2.00	0.00	0.00	0.02	0.00
16.65	2.00	0.00	0.00	0.02	0.00	16.67	2.00	0.00	0.00	0.02	0.00
16.69	2.00	0.00	0.00	0.02	0.00	16.71	2.00	0.00	0.00	0.02	0.00
16.73	2.00	0.00	0.00	0.02	0.00	16.75	2.00	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.79	2.00	0.00	0.00	0.02	0.00
16.81	2.00	0.00	0.00	0.02	0.00	16.83	2.00	0.00	0.00	0.02	0.00
16.85	2.00	0.00	0.00	0.02	0.00	16.87	1.82	0.00	0.00	0.02	0.00
16.89	1.76	0.00	0.00	0.02	0.00	16.91	1.76	0.00	0.00	0.02	0.00
16.93	1.74	0.00	0.00	0.02	0.00	16.95	1.71	0.00	0.00	0.02	0.00
16.97	1.68	0.00	0.00	0.02	0.00	16.99	1.66	0.00	0.00	0.02	0.00
17.01	1.66	0.00	0.00	0.02	0.00	17.03	1.66	0.00	0.00	0.02	0.00
17.05	1.66	0.00	0.00	0.02	0.00	17.07	1.65	0.00	0.00	0.02	0.00
17.09	1.63	0.00	0.00	0.02	0.00	17.11	1.61	0.00	0.00	0.02	0.00
17.13	1.59	0.00	0.00	0.02	0.00	17.15	1.57	0.00	0.00	0.02	0.00
17.17	1.56	0.00	0.00	0.02	0.00	17.19	1.54	0.00	0.00	0.02	0.00
17.21	1.54	0.00	0.00	0.02	0.00	17.23	1.54	0.00	0.00	0.02	0.00
17.25	1.54	0.00	0.00	0.02	0.00	17.27	1.55	0.00	0.00	0.02	0.00
17.29	1.62	0.00	0.00	0.02	0.00	17.31	1.66	0.00	0.00	0.02	0.00
17.33	1.67	0.00	0.00	0.02	0.00	17.35	1.68	0.00	0.00	0.02	0.00
17.37	1.68	0.00	0.00	0.02	0.00	17.39	1.67	0.00	0.00	0.02	0.00
17.41	1.64	0.00	0.00	0.02	0.00	17.43	1.60	0.00	0.00	0.02	0.00
17.45	1.57	0.00	0.00	0.02	0.00	17.47	1.51	0.00	0.00	0.02	0.00
17.49	1.46	0.00	0.00	0.02	0.00	17.51	1.41	0.00	0.00	0.02	0.00
17.53	1.34	0.00	0.00	0.02	0.00	17.55	1.28	0.00	0.00	0.02	0.00
17.57	1.26	0.00	0.00	0.02	0.00	17.59	1.27	0.00	0.00	0.02	0.00
17.61	1.28	0.00	0.00	0.02	0.00	17.63	1.31	0.00	0.00	0.02	0.00
17.65	1.37	0.00	0.00	0.02	0.00	17.67	1.46	0.00	0.00	0.02	0.00
17.69	1.45	0.00	0.00	0.02	0.00	17.71	1.43	0.00	0.00	0.02	0.00
17.73	1.43	0.00	0.00	0.02	0.00	17.75	1.44	0.00	0.00	0.02	0.00
17.77	1.47	0.00	0.00	0.02	0.00	17.79	1.53	0.00	0.00	0.02	0.00
17.81	1.53	0.00	0.00	0.02	0.00	17.83	1.55	0.00	0.00	0.02	0.00
17.85	1.52	0.00	0.00	0.02	0.00	17.87	1.52	0.00	0.00	0.02	0.00
17.89	1.52	0.00	0.00	0.02	0.00	17.91	1.61	0.00	0.00	0.02	0.00
17.93	1.67	0.00	0.00	0.02	0.00	17.95	1.60	0.00	0.00	0.02	0.00
17.97	1.51	0.00	0.00	0.02	0.00	17.99	1.44	0.00	0.00	0.02	0.00
18.01	1.41	0.00	0.00	0.02	0.00	18.03	1.37	0.00	0.00	0.02	0.00
18.05	1.34	0.00	0.00	0.02	0.00	18.07	1.29	0.00	0.00	0.02	0.00
18.09	1.27	0.00	0.00	0.02	0.00	18.11	1.26	0.00	0.00	0.02	0.00
18.13	1.25	0.00	0.00	0.02	0.00	18.15	1.23	0.00	0.00	0.02	0.00
18.17	1.20	0.00	0.00	0.02	0.00	18.19	1.19	0.00	0.00	0.02	0.00
18.21	1.20	0.00	0.00	0.02	0.00	18.23	1.24	0.00	0.00	0.02	0.00
18.25	1.29	0.00	0.00	0.02	0.00	18.27	1.30	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.29	1.34	0.00	0.00	0.02	0.00	18.31	1.37	0.00	0.00	0.02	0.00
18.33	1.41	0.00	0.00	0.02	0.00	18.35	1.45	0.00	0.00	0.02	0.00
18.37	1.42	0.00	0.00	0.02	0.00	18.39	1.37	0.00	0.00	0.02	0.00
18.41	1.35	0.00	0.00	0.02	0.00	18.43	1.36	0.00	0.00	0.02	0.00
18.45	1.38	0.00	0.00	0.02	0.00	18.47	1.38	0.00	0.00	0.02	0.00
18.49	1.40	0.00	0.00	0.02	0.00	18.51	1.41	0.00	0.00	0.02	0.00
18.53	1.39	0.00	0.00	0.02	0.00	18.55	1.36	0.00	0.00	0.02	0.00
18.57	1.34	0.00	0.00	0.02	0.00	18.59	1.33	0.00	0.00	0.02	0.00
18.61	1.32	0.00	0.00	0.02	0.00	18.63	1.31	0.00	0.00	0.02	0.00
18.65	1.28	0.00	0.00	0.02	0.00	18.67	1.21	0.00	0.00	0.02	0.00
18.69	1.20	0.00	0.00	0.02	0.00	18.71	1.22	0.00	0.00	0.02	0.00
18.73	1.23	0.00	0.00	0.02	0.00	18.75	1.23	0.00	0.00	0.02	0.00
18.77	1.24	0.00	0.00	0.02	0.00	18.79	1.27	0.00	0.00	0.02	0.00
18.81	1.27	0.00	0.00	0.02	0.00	18.83	1.29	0.00	0.00	0.02	0.00
18.85	1.30	0.00	0.00	0.02	0.00	18.87	1.29	0.00	0.00	0.02	0.00
18.89	1.33	0.00	0.00	0.02	0.00	18.91	1.37	0.00	0.00	0.02	0.00
18.93	1.41	0.00	0.00	0.02	0.00	18.95	1.46	0.00	0.00	0.02	0.00
18.97	1.52	0.00	0.00	0.02	0.00	18.99	1.56	0.00	0.00	0.02	0.00
19.01	1.54	0.00	0.00	0.02	0.00	19.03	1.51	0.00	0.00	0.02	0.00
19.05	1.45	0.00	0.00	0.02	0.00	19.07	1.41	0.00	0.00	0.02	0.00
19.09	1.41	0.00	0.00	0.02	0.00	19.11	1.38	0.00	0.00	0.02	0.00
19.13	1.31	0.00	0.00	0.02	0.00	19.15	1.28	0.00	0.00	0.02	0.00
19.17	1.29	0.00	0.00	0.02	0.00	19.19	1.30	0.00	0.00	0.02	0.00
19.21	1.34	0.00	0.00	0.02	0.00	19.23	1.35	0.00	0.00	0.02	0.00
19.25	1.34	0.00	0.00	0.02	0.00	19.27	1.45	0.00	0.00	0.02	0.00
19.29	1.52	0.00	0.00	0.02	0.00	19.31	1.55	0.00	0.00	0.02	0.00
19.33	1.58	0.00	0.00	0.02	0.00	19.35	1.58	0.00	0.00	0.02	0.00
19.37	1.64	0.00	0.00	0.02	0.00	19.39	1.80	0.00	0.00	0.02	0.00
19.41	1.95	0.00	0.00	0.02	0.00	19.43	2.00	0.00	0.00	0.02	0.00
19.45	2.00	0.00	0.00	0.02	0.00	19.47	2.00	0.00	0.00	0.02	0.00

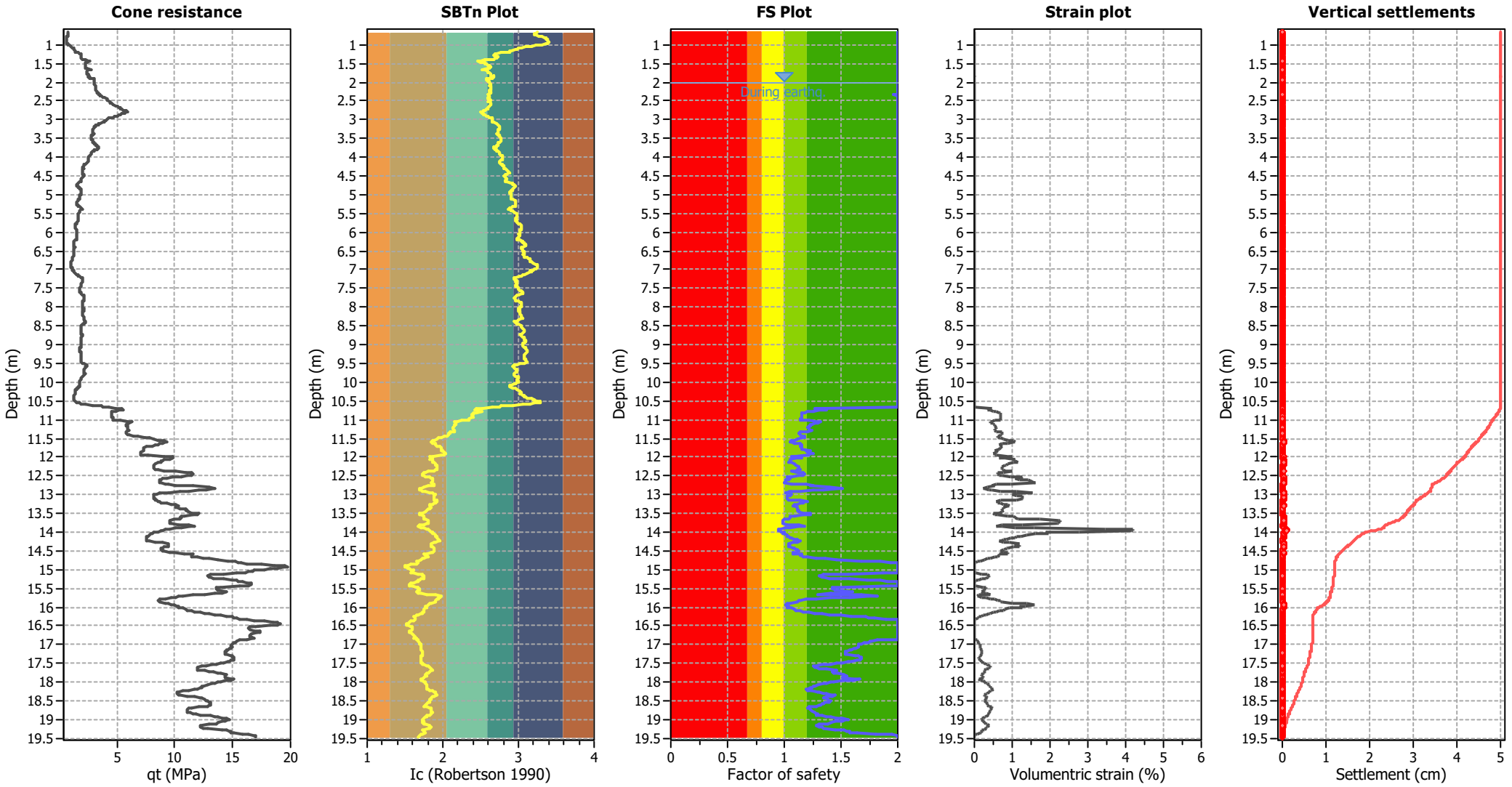
Overall liquefaction potential: 0.02

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.66	3.24	13.89	13.71	190.44	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.68	3.23	13.87	13.47	186.91	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.70	3.22	13.78	13.17	181.46	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.72	3.22	13.68	13.11	179.40	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.74	3.23	13.27	13.54	179.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.76	3.27	12.53	14.41	180.53	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.78	3.31	11.80	15.36	181.29	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.80	3.34	11.11	16.38	182.03	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.82	3.36	11.01	16.77	184.67	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.84	3.36	10.92	16.92	184.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.86	3.38	10.90	17.53	191.05	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.88	3.39	10.89	17.60	191.57	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.90	3.39	10.88	17.67	192.31	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.92	3.40	10.88	17.94	195.14	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.94	3.41	10.89	18.23	198.46	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	3.38	11.43	17.36	198.37	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	3.36	12.05	16.85	203.07	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	3.31	13.08	15.46	202.13	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	3.23	14.89	13.47	200.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	3.17	16.16	12.17	196.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	3.10	17.93	10.57	189.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	3.03	19.79	9.33	184.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	3.00	20.41	8.84	180.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.98	21.15	8.47	179.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.96	21.85	8.14	177.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.91	23.85	7.32	174.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.89	24.47	7.09	173.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.89	24.41	7.11	173.50	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.77	27.68	5.45	150.96	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.72	30.10	4.87	146.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.69	31.61	4.56	144.10	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.67	32.20	4.45	143.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.69	31.67	4.56	144.50	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	2.72	31.75	4.96	157.52	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	2.72	31.84	4.88	155.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.70	32.69	4.67	152.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.67	34.52	4.39	151.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.57	38.30	3.48	133.29	35	53048	0.09	0.004	0.00	3.58	0.00	0.000
1.42	2.49	41.98	2.94	123.39	32	53002	0.09	0.004	0.00	3.58	0.00	0.000
1.44	2.47	43.62	2.78	121.46	31	53456	0.09	0.004	0.00	3.58	0.00	0.000
1.46	2.51	41.23	3.02	124.31	32	52787	0.09	0.005	0.00	3.58	0.00	0.000
1.48	2.55	38.27	3.36	128.65	34	52008	0.09	0.005	0.00	3.58	0.00	0.000
1.50	2.56	37.87	3.42	129.62	34	51975	0.09	0.005	0.00	3.58	0.00	0.000
1.52	2.57	37.78	3.52	132.81	35	52613	0.09	0.005	0.00	3.58	0.00	0.000
1.54	2.59	37.73	3.70	139.78	38	54083	0.09	0.005	0.00	3.58	0.00	0.000
1.56	2.61	37.71	3.81	143.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.63	37.88	4.01	151.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.64	38.06	4.11	156.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.62	38.81	3.90	151.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.64	2.59	40.35	3.65	147.11	40	57330	0.09	0.005	0.00	3.58	0.00	0.000
1.66	2.51	45.56	3.06	139.25	36	58769	0.09	0.005	0.00	3.58	0.00	0.000
1.68	2.56	41.92	3.45	144.52	38	57760	0.09	0.005	0.00	3.58	0.00	0.000
1.70	2.59	39.93	3.70	147.80	40	57206	0.09	0.005	0.00	3.58	0.00	0.000
1.72	2.60	39.47	3.76	148.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.61	39.26	3.80	149.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.61	39.21	3.82	149.82	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.63	40.84	4.03	164.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.63	42.44	4.05	171.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.63	44.41	4.03	178.94	0	0	0.08	0.000	0.00	0.00	0.00	0.000
1.87	2.66	42.53	4.27	181.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.66	42.74	4.34	185.59	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.68	42.91	4.47	191.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.66	43.67	4.31	188.15	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.57	50.58	3.51	177.60	47	70398	0.08	0.004	0.00	3.58	0.00	0.000
1.94	2.57	50.34	3.54	178.27	48	70390	0.08	0.004	0.00	3.58	0.00	0.000
1.96	2.60	49.91	3.72	185.60	50	71688	0.08	0.004	0.00	3.58	0.00	0.000
1.98	2.61	49.86	3.80	189.62	0	0	0.08	0.000	0.00	0.00	0.00	0.000
2.00	2.62	49.86	3.90	194.63	0	0	0.08	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	47.58	2.00	0.00	1.00	0.00	2.04	47.47	2.00	0.00	1.00	0.00
2.06	48.05	2.00	0.00	1.00	0.00	2.08	49.45	2.00	0.00	1.00	0.00
2.10	48.79	2.00	0.00	1.00	0.00	2.12	48.61	2.00	0.00	1.00	0.00
2.14	48.48	2.00	0.00	1.00	0.00	2.16	48.42	2.00	0.00	1.00	0.00
2.18	48.35	2.00	0.00	1.00	0.00	2.20	48.33	2.00	0.00	1.00	0.00
2.22	49.25	2.00	0.00	1.00	0.00	2.24	51.17	2.00	0.00	1.00	0.00
2.26	50.11	2.00	0.00	1.00	0.00	2.28	50.41	2.00	0.00	1.00	0.00
2.30	52.08	2.00	0.00	1.00	0.00	2.32	51.48	2.00	0.00	1.00	0.00
2.34	119.81	1.96	0.01	1.00	0.00	2.36	53.88	2.00	0.00	1.00	0.00
2.38	54.91	2.00	0.00	1.00	0.00	2.40	56.24	2.00	0.00	1.00	0.00
2.42	58.64	2.00	0.00	1.00	0.00	2.44	129.05	2.00	0.00	1.00	0.00
2.46	60.28	2.00	0.00	1.00	0.00	2.48	60.46	2.00	0.00	1.00	0.00
2.50	60.66	2.00	0.00	1.00	0.00	2.52	63.70	2.00	0.00	1.00	0.00
2.54	63.94	2.00	0.00	1.00	0.00	2.56	63.85	2.00	0.00	1.00	0.00
2.58	65.43	2.00	0.00	1.00	0.00	2.60	66.82	2.00	0.00	1.00	0.00
2.62	68.91	2.00	0.00	1.00	0.00	2.64	71.15	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.66	72.65	2.00	0.00	1.00	0.00	2.68	145.45	2.00	0.00	1.00	0.00
2.70	146.79	2.00	0.00	1.00	0.00	2.72	147.79	2.00	0.00	1.00	0.00
2.74	149.87	2.00	0.00	1.00	0.00	2.76	152.38	2.00	0.00	1.00	0.00
2.78	153.83	2.00	0.00	1.00	0.00	2.80	152.09	2.00	0.00	1.00	0.00
2.82	148.75	2.00	0.00	1.00	0.00	2.84	146.05	2.00	0.00	1.00	0.00
2.86	143.99	2.00	0.00	1.00	0.00	2.88	141.83	2.00	0.00	1.00	0.00
2.90	139.57	2.00	0.00	1.00	0.00	2.92	66.08	2.00	0.00	1.00	0.00
2.94	64.61	2.00	0.00	1.00	0.00	2.96	59.66	2.00	0.00	1.00	0.00
2.98	58.52	2.00	0.00	1.00	0.00	3.00	57.34	2.00	0.00	1.00	0.00
3.02	56.43	2.00	0.00	1.00	0.00	3.04	54.22	2.00	0.00	1.00	0.00
3.06	54.16	2.00	0.00	1.00	0.00	3.08	52.13	2.00	0.00	1.00	0.00
3.10	49.69	2.00	0.00	1.00	0.00	3.12	48.29	2.00	0.00	1.00	0.00
3.14	47.12	2.00	0.00	1.00	0.00	3.16	45.07	2.00	0.00	1.00	0.00
3.18	43.57	2.00	0.00	1.00	0.00	3.20	42.49	2.00	0.00	1.00	0.00
3.22	42.18	2.00	0.00	1.00	0.00	3.24	41.37	2.00	0.00	1.00	0.00
3.26	40.69	2.00	0.00	1.00	0.00	3.28	40.53	2.00	0.00	1.00	0.00
3.30	40.43	2.00	0.00	1.00	0.00	3.32	40.37	2.00	0.00	1.00	0.00
3.34	40.32	2.00	0.00	1.00	0.00	3.36	40.40	2.00	0.00	1.00	0.00
3.38	41.01	2.00	0.00	1.00	0.00	3.40	39.93	2.00	0.00	1.00	0.00
3.42	39.17	2.00	0.00	1.00	0.00	3.44	38.77	2.00	0.00	1.00	0.00
3.46	38.69	2.00	0.00	1.00	0.00	3.48	38.62	2.00	0.00	1.00	0.00
3.50	38.55	2.00	0.00	1.00	0.00	3.52	38.50	2.00	0.00	1.00	0.00
3.54	39.02	2.00	0.00	1.00	0.00	3.56	39.03	2.00	0.00	1.00	0.00
3.59	39.33	2.00	0.00	1.00	0.00	3.60	40.07	2.00	0.00	1.00	0.00
3.62	40.68	2.00	0.00	1.00	0.00	3.64	41.49	2.00	0.00	1.00	0.00
3.66	41.77	2.00	0.00	1.00	0.00	3.68	41.98	2.00	0.00	1.00	0.00
3.70	43.35	2.00	0.00	1.00	0.00	3.72	44.25	2.00	0.00	1.00	0.00
3.74	45.44	2.00	0.00	1.00	0.00	3.76	45.86	2.00	0.00	1.00	0.00
3.78	45.21	2.00	0.00	1.00	0.00	3.80	43.44	2.00	0.00	1.00	0.00
3.82	41.20	2.00	0.00	1.00	0.00	3.84	39.97	2.00	0.00	1.00	0.00
3.86	38.66	2.00	0.00	1.00	0.00	3.88	36.93	2.00	0.00	1.00	0.00
3.90	36.74	2.00	0.00	1.00	0.00	3.92	36.49	2.00	0.00	1.00	0.00
3.94	35.64	2.00	0.00	1.00	0.00	3.96	34.67	2.00	0.00	1.00	0.00
3.98	33.89	2.00	0.00	1.00	0.00	4.00	33.51	2.00	0.00	1.00	0.00
4.02	33.45	2.00	0.00	1.00	0.00	4.04	33.43	2.00	0.00	1.00	0.00
4.06	33.40	2.00	0.00	1.00	0.00	4.08	33.52	2.00	0.00	1.00	0.00
4.10	33.53	2.00	0.00	1.00	0.00	4.12	32.91	2.00	0.00	1.00	0.00
4.14	32.20	2.00	0.00	1.00	0.00	4.16	31.09	2.00	0.00	1.00	0.00
4.18	29.43	2.00	0.00	1.00	0.00	4.20	28.57	2.00	0.00	1.00	0.00
4.22	28.12	2.00	0.00	1.00	0.00	4.24	27.41	2.00	0.00	1.00	0.00
4.26	27.18	2.00	0.00	1.00	0.00	4.28	26.97	2.00	0.00	1.00	0.00
4.30	27.26	2.00	0.00	1.00	0.00	4.32	26.49	2.00	0.00	1.00	0.00
4.34	25.78	2.00	0.00	1.00	0.00	4.36	25.41	2.00	0.00	1.00	0.00
4.38	25.37	2.00	0.00	1.00	0.00	4.40	25.33	2.00	0.00	1.00	0.00
4.42	25.44	2.00	0.00	1.00	0.00	4.44	25.74	2.00	0.00	1.00	0.00
4.46	26.39	2.00	0.00	1.00	0.00	4.48	26.96	2.00	0.00	1.00	0.00
4.50	26.94	2.00	0.00	1.00	0.00	4.52	26.96	2.00	0.00	1.00	0.00
4.54	25.80	2.00	0.00	1.00	0.00	4.56	24.88	2.00	0.00	1.00	0.00
4.58	24.22	2.00	0.00	1.00	0.00	4.60	23.92	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.62	23.88	2.00	0.00	1.00	0.00	4.64	23.63	2.00	0.00	1.00	0.00
4.66	22.56	2.00	0.00	1.00	0.00	4.68	20.61	2.00	0.00	1.00	0.00
4.70	20.28	2.00	0.00	1.00	0.00	4.72	20.11	2.00	0.00	1.00	0.00
4.74	20.02	2.00	0.00	1.00	0.00	4.76	19.98	2.00	0.00	1.00	0.00
4.78	20.59	2.00	0.00	1.00	0.00	4.80	21.21	2.00	0.00	1.00	0.00
4.82	22.12	2.00	0.00	1.00	0.00	4.84	22.78	2.00	0.00	1.00	0.00
4.86	23.06	2.00	0.00	1.00	0.00	4.88	23.46	2.00	0.00	1.00	0.00
4.90	23.72	2.00	0.00	1.00	0.00	4.92	23.77	2.00	0.00	1.00	0.00
4.94	24.03	2.00	0.00	1.00	0.00	4.96	23.88	2.00	0.00	1.00	0.00
4.98	23.36	2.00	0.00	1.00	0.00	5.00	22.86	2.00	0.00	1.00	0.00
5.02	22.60	2.00	0.00	1.00	0.00	5.04	22.56	2.00	0.00	1.00	0.00
5.06	22.53	2.00	0.00	1.00	0.00	5.08	22.30	2.00	0.00	1.00	0.00
5.10	21.93	2.00	0.00	1.00	0.00	5.12	21.32	2.00	0.00	1.00	0.00
5.14	20.63	2.00	0.00	1.00	0.00	5.16	19.66	2.00	0.00	1.00	0.00
5.19	19.27	2.00	0.00	1.00	0.00	5.20	19.21	2.00	0.00	1.00	0.00
5.22	19.17	2.00	0.00	1.00	0.00	5.24	19.19	2.00	0.00	1.00	0.00
5.26	19.20	2.00	0.00	1.00	0.00	5.28	19.26	2.00	0.00	1.00	0.00
5.30	19.99	2.00	0.00	1.00	0.00	5.32	21.78	2.00	0.00	1.00	0.00
5.34	22.52	2.00	0.00	1.00	0.00	5.36	23.43	2.00	0.00	1.00	0.00
5.38	23.84	2.00	0.00	1.00	0.00	5.40	22.96	2.00	0.00	1.00	0.00
5.42	21.89	2.00	0.00	1.00	0.00	5.44	21.15	2.00	0.00	1.00	0.00
5.46	20.70	2.00	0.00	1.00	0.00	5.48	20.41	2.00	0.00	1.00	0.00
5.50	19.34	2.00	0.00	1.00	0.00	5.52	19.04	2.00	0.00	1.00	0.00
5.54	18.99	2.00	0.00	1.00	0.00	5.56	18.99	2.00	0.00	1.00	0.00
5.58	18.99	2.00	0.00	1.00	0.00	5.60	19.03	2.00	0.00	1.00	0.00
5.62	19.77	2.00	0.00	1.00	0.00	5.64	19.63	2.00	0.00	1.00	0.00
5.66	19.29	2.00	0.00	1.00	0.00	5.68	19.24	2.00	0.00	1.00	0.00
5.70	19.18	2.00	0.00	1.00	0.00	5.72	18.85	2.00	0.00	1.00	0.00
5.74	18.27	2.00	0.00	1.00	0.00	5.76	18.07	2.00	0.00	1.00	0.00
5.78	17.39	2.00	0.00	1.00	0.00	5.80	16.78	2.00	0.00	1.00	0.00
5.82	16.51	2.00	0.00	1.00	0.00	5.84	16.50	2.00	0.00	1.00	0.00
5.86	16.48	2.00	0.00	1.00	0.00	5.88	16.49	2.00	0.00	1.00	0.00
5.90	16.64	2.00	0.00	1.00	0.00	5.92	16.95	2.00	0.00	1.00	0.00
5.94	17.09	2.00	0.00	1.00	0.00	5.96	17.04	2.00	0.00	1.00	0.00
5.98	17.08	2.00	0.00	1.00	0.00	6.00	17.12	2.00	0.00	1.00	0.00
6.02	17.43	2.00	0.00	1.00	0.00	6.04	17.35	2.00	0.00	1.00	0.00
6.06	17.95	2.00	0.00	1.00	0.00	6.08	17.56	2.00	0.00	1.00	0.00
6.10	17.51	2.00	0.00	1.00	0.00	6.12	17.48	2.00	0.00	1.00	0.00
6.14	17.46	2.00	0.00	1.00	0.00	6.16	17.44	2.00	0.00	1.00	0.00
6.18	17.43	2.00	0.00	1.00	0.00	6.20	17.40	2.00	0.00	1.00	0.00
6.22	15.70	2.00	0.00	1.00	0.00	6.24	14.82	2.00	0.00	1.00	0.00
6.26	15.01	2.00	0.00	1.00	0.00	6.28	14.74	2.00	0.00	1.00	0.00
6.30	14.41	2.00	0.00	1.00	0.00	6.32	14.23	2.00	0.00	1.00	0.00
6.34	14.23	2.00	0.00	1.00	0.00	6.36	14.23	2.00	0.00	1.00	0.00
6.38	14.31	2.00	0.00	1.00	0.00	6.40	14.82	2.00	0.00	1.00	0.00
6.42	15.19	2.00	0.00	1.00	0.00	6.44	15.00	2.00	0.00	1.00	0.00
6.46	14.50	2.00	0.00	1.00	0.00	6.48	14.26	2.00	0.00	1.00	0.00
6.50	14.24	2.00	0.00	1.00	0.00	6.52	13.98	2.00	0.00	1.00	0.00
6.54	13.95	2.00	0.00	1.00	0.00	6.56	13.97	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.58	13.99	2.00	0.00	1.00	0.00	6.60	14.04	2.00	0.00	1.00	0.00
6.62	13.89	2.00	0.00	1.00	0.00	6.64	13.63	2.00	0.00	1.00	0.00
6.66	13.21	2.00	0.00	1.00	0.00	6.68	12.67	2.00	0.00	1.00	0.00
6.70	12.15	2.00	0.00	1.00	0.00	6.72	12.03	2.00	0.00	1.00	0.00
6.74	12.04	2.00	0.00	1.00	0.00	6.76	12.05	2.00	0.00	1.00	0.00
6.78	11.88	2.00	0.00	1.00	0.00	6.80	11.79	2.00	0.00	1.00	0.00
6.82	11.77	2.00	0.00	1.00	0.00	6.84	11.75	2.00	0.00	1.00	0.00
6.86	11.74	2.00	0.00	1.00	0.00	6.88	11.73	2.00	0.00	1.00	0.00
6.90	11.72	2.00	0.00	1.00	0.00	6.92	11.71	2.00	0.00	1.00	0.00
6.94	11.74	2.00	0.00	1.00	0.00	6.96	11.82	2.00	0.00	1.00	0.00
6.98	12.04	2.00	0.00	1.00	0.00	7.00	12.55	2.00	0.00	1.00	0.00
7.02	13.10	2.00	0.00	1.00	0.00	7.04	13.73	2.00	0.00	1.00	0.00
7.06	13.82	2.00	0.00	1.00	0.00	7.08	14.40	2.00	0.00	1.00	0.00
7.10	15.43	2.00	0.00	1.00	0.00	7.12	16.77	2.00	0.00	1.00	0.00
7.14	17.87	2.00	0.00	1.00	0.00	7.16	18.30	2.00	0.00	1.00	0.00
7.18	18.88	2.00	0.00	1.00	0.00	7.20	20.66	2.00	0.00	1.00	0.00
7.22	21.42	2.00	0.00	1.00	0.00	7.24	21.54	2.00	0.00	1.00	0.00
7.26	21.51	2.00	0.00	1.00	0.00	7.28	21.28	2.00	0.00	1.00	0.00
7.30	21.15	2.00	0.00	1.00	0.00	7.32	21.02	2.00	0.00	1.00	0.00
7.34	21.13	2.00	0.00	1.00	0.00	7.36	20.84	2.00	0.00	1.00	0.00
7.38	20.63	2.00	0.00	1.00	0.00	7.40	20.50	2.00	0.00	1.00	0.00
7.42	20.36	2.00	0.00	1.00	0.00	7.44	20.68	2.00	0.00	1.00	0.00
7.46	19.82	2.00	0.00	1.00	0.00	7.48	19.41	2.00	0.00	1.00	0.00
7.50	19.21	2.00	0.00	1.00	0.00	7.52	19.19	2.00	0.00	1.00	0.00
7.54	19.17	2.00	0.00	1.00	0.00	7.56	19.15	2.00	0.00	1.00	0.00
7.58	19.13	2.00	0.00	1.00	0.00	7.60	19.19	2.00	0.00	1.00	0.00
7.62	19.48	2.00	0.00	1.00	0.00	7.64	19.77	2.00	0.00	1.00	0.00
7.66	20.51	2.00	0.00	1.00	0.00	7.68	21.36	2.00	0.00	1.00	0.00
7.70	21.88	2.00	0.00	1.00	0.00	7.72	22.36	2.00	0.00	1.00	0.00
7.74	22.72	2.00	0.00	1.00	0.00	7.76	22.66	2.00	0.00	1.00	0.00
7.78	22.47	2.00	0.00	1.00	0.00	7.80	22.27	2.00	0.00	1.00	0.00
7.82	22.04	2.00	0.00	1.00	0.00	7.84	21.27	2.00	0.00	1.00	0.00
7.86	21.36	2.00	0.00	1.00	0.00	7.88	21.00	2.00	0.00	1.00	0.00
7.90	20.94	2.00	0.00	1.00	0.00	7.92	20.93	2.00	0.00	1.00	0.00
7.94	20.91	2.00	0.00	1.00	0.00	7.96	20.91	2.00	0.00	1.00	0.00
7.98	21.00	2.00	0.00	1.00	0.00	8.00	21.18	2.00	0.00	1.00	0.00
8.02	21.37	2.00	0.00	1.00	0.00	8.04	21.55	2.00	0.00	1.00	0.00
8.06	21.75	2.00	0.00	1.00	0.00	8.08	21.26	2.00	0.00	1.00	0.00
8.10	21.36	2.00	0.00	1.00	0.00	8.12	20.97	2.00	0.00	1.00	0.00
8.14	21.04	2.00	0.00	1.00	0.00	8.16	20.83	2.00	0.00	1.00	0.00
8.18	20.82	2.00	0.00	1.00	0.00	8.20	20.80	2.00	0.00	1.00	0.00
8.22	20.84	2.00	0.00	1.00	0.00	8.24	20.95	2.00	0.00	1.00	0.00
8.26	21.19	2.00	0.00	1.00	0.00	8.28	21.48	2.00	0.00	1.00	0.00
8.30	21.32	2.00	0.00	1.00	0.00	8.32	21.72	2.00	0.00	1.00	0.00
8.34	22.17	2.00	0.00	1.00	0.00	8.36	22.49	2.00	0.00	1.00	0.00
8.38	22.93	2.00	0.00	1.00	0.00	8.40	22.37	2.00	0.00	1.00	0.00
8.42	21.76	2.00	0.00	1.00	0.00	8.44	21.41	2.00	0.00	1.00	0.00
8.46	20.45	2.00	0.00	1.00	0.00	8.48	19.44	2.00	0.00	1.00	0.00
8.50	19.42	2.00	0.00	1.00	0.00	8.52	19.39	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.54	19.41	2.00	0.00	1.00	0.00	8.56	19.32	2.00	0.00	1.00	0.00
8.58	19.25	2.00	0.00	1.00	0.00	8.60	19.20	2.00	0.00	1.00	0.00
8.62	19.17	2.00	0.00	1.00	0.00	8.64	19.18	2.00	0.00	1.00	0.00
8.66	19.19	2.00	0.00	1.00	0.00	8.68	19.20	2.00	0.00	1.00	0.00
8.70	19.21	2.00	0.00	1.00	0.00	8.72	19.35	2.00	0.00	1.00	0.00
8.74	19.82	2.00	0.00	1.00	0.00	8.76	19.66	2.00	0.00	1.00	0.00
8.78	19.37	2.00	0.00	1.00	0.00	8.80	19.02	2.00	0.00	1.00	0.00
8.82	18.73	2.00	0.00	1.00	0.00	8.84	18.71	2.00	0.00	1.00	0.00
8.86	18.70	2.00	0.00	1.00	0.00	8.88	18.69	2.00	0.00	1.00	0.00
8.90	18.67	2.00	0.00	1.00	0.00	8.92	18.65	2.00	0.00	1.00	0.00
8.94	18.64	2.00	0.00	1.00	0.00	8.96	18.66	2.00	0.00	1.00	0.00
8.98	18.79	2.00	0.00	1.00	0.00	9.00	18.95	2.00	0.00	1.00	0.00
9.02	18.86	2.00	0.00	1.00	0.00	9.04	18.47	2.00	0.00	1.00	0.00
9.06	18.38	2.00	0.00	1.00	0.00	9.08	17.78	2.00	0.00	1.00	0.00
9.10	17.65	2.00	0.00	1.00	0.00	9.12	17.64	2.00	0.00	1.00	0.00
9.14	17.62	2.00	0.00	1.00	0.00	9.16	17.62	2.00	0.00	1.00	0.00
9.18	17.63	2.00	0.00	1.00	0.00	9.20	17.75	2.00	0.00	1.00	0.00
9.22	18.05	2.00	0.00	1.00	0.00	9.24	17.79	2.00	0.00	1.00	0.00
9.26	17.66	2.00	0.00	1.00	0.00	9.28	17.64	2.00	0.00	1.00	0.00
9.30	17.62	2.00	0.00	1.00	0.00	9.32	17.61	2.00	0.00	1.00	0.00
9.34	17.61	2.00	0.00	1.00	0.00	9.36	17.57	2.00	0.00	1.00	0.00
9.38	17.58	2.00	0.00	1.00	0.00	9.40	17.60	2.00	0.00	1.00	0.00
9.42	17.65	2.00	0.00	1.00	0.00	9.44	17.76	2.00	0.00	1.00	0.00
9.46	17.74	2.00	0.00	1.00	0.00	9.48	18.17	2.00	0.00	1.00	0.00
9.50	18.99	2.00	0.00	1.00	0.00	9.52	20.92	2.00	0.00	1.00	0.00
9.54	22.37	2.00	0.00	1.00	0.00	9.56	23.02	2.00	0.00	1.00	0.00
9.58	22.79	2.00	0.00	1.00	0.00	9.60	22.04	2.00	0.00	1.00	0.00
9.62	21.19	2.00	0.00	1.00	0.00	9.64	20.47	2.00	0.00	1.00	0.00
9.66	20.29	2.00	0.00	1.00	0.00	9.68	20.19	2.00	0.00	1.00	0.00
9.70	20.15	2.00	0.00	1.00	0.00	9.72	20.15	2.00	0.00	1.00	0.00
9.74	20.15	2.00	0.00	1.00	0.00	9.76	20.38	2.00	0.00	1.00	0.00
9.78	20.78	2.00	0.00	1.00	0.00	9.80	20.22	2.00	0.00	1.00	0.00
9.82	20.03	2.00	0.00	1.00	0.00	9.84	19.26	2.00	0.00	1.00	0.00
9.86	18.72	2.00	0.00	1.00	0.00	9.88	18.29	2.00	0.00	1.00	0.00
9.90	17.82	2.00	0.00	1.00	0.00	9.92	17.69	2.00	0.00	1.00	0.00
9.94	17.22	2.00	0.00	1.00	0.00	9.96	16.69	2.00	0.00	1.00	0.00
9.98	16.36	2.00	0.00	1.00	0.00	10.00	16.11	2.00	0.00	1.00	0.00
10.02	16.10	2.00	0.00	1.00	0.00	10.04	16.09	2.00	0.00	1.00	0.00
10.06	16.07	2.00	0.00	1.00	0.00	10.08	16.16	2.00	0.00	1.00	0.00
10.10	16.36	2.00	0.00	1.00	0.00	10.12	15.74	2.00	0.00	1.00	0.00
10.14	15.39	2.00	0.00	1.00	0.00	10.16	14.60	2.00	0.00	1.00	0.00
10.18	13.78	2.00	0.00	1.00	0.00	10.20	13.17	2.00	0.00	1.00	0.00
10.22	13.09	2.00	0.00	1.00	0.00	10.24	12.54	2.00	0.00	1.00	0.00
10.26	12.35	2.00	0.00	1.00	0.00	10.28	12.23	2.00	0.00	1.00	0.00
10.30	12.39	2.00	0.00	1.00	0.00	10.32	12.09	2.00	0.00	1.00	0.00
10.34	11.75	2.00	0.00	1.00	0.00	10.36	11.45	2.00	0.00	1.00	0.00
10.38	11.36	2.00	0.00	1.00	0.00	10.40	11.34	2.00	0.00	1.00	0.00
10.42	11.33	2.00	0.00	1.00	0.00	10.44	11.38	2.00	0.00	1.00	0.00
10.46	11.43	2.00	0.00	1.00	0.00	10.48	11.73	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.50	12.31	2.00	0.00	1.00	0.00	10.52	12.81	2.00	0.00	1.00	0.00
10.54	13.67	2.00	0.00	1.00	0.00	10.56	15.70	2.00	0.00	1.00	0.00
10.58	17.50	2.00	0.00	1.00	0.00	10.60	20.40	2.00	0.00	1.00	0.00
10.62	25.96	2.00	0.00	1.00	0.00	10.64	33.27	2.00	0.00	1.00	0.00
10.66	34.44	2.00	0.00	1.00	0.00	10.68	38.64	2.00	0.00	1.00	0.00
10.70	107.22	1.27	0.48	1.00	0.01	10.72	111.18	1.34	0.39	1.00	0.01
10.74	112.87	1.38	0.36	1.00	0.01	10.76	109.50	1.31	0.43	1.00	0.01
10.78	106.55	1.26	0.49	1.00	0.01	10.80	103.06	1.20	0.58	1.00	0.01
10.82	101.26	1.17	0.64	1.00	0.01	10.84	100.00	1.16	0.68	1.00	0.01
10.86	99.81	1.15	0.68	1.00	0.01	10.88	99.73	1.15	0.69	1.00	0.01
10.90	99.67	1.15	0.69	1.00	0.01	10.92	99.95	1.16	0.68	1.00	0.01
10.94	99.77	1.15	0.68	1.00	0.01	10.96	99.80	1.16	0.68	1.00	0.01
10.98	98.88	1.14	0.71	1.00	0.01	11.00	98.95	1.14	0.71	1.00	0.01
11.02	103.73	1.22	0.56	1.00	0.01	11.04	107.56	1.28	0.46	1.00	0.01
11.06	109.58	1.32	0.42	1.00	0.01	11.08	108.50	1.30	0.44	1.00	0.01
11.10	106.45	1.26	0.48	1.00	0.01	11.12	105.13	1.24	0.52	1.00	0.01
11.14	104.14	1.23	0.54	1.00	0.01	11.16	104.21	1.23	0.54	1.00	0.01
11.18	103.74	1.22	0.55	1.00	0.01	11.20	102.99	1.21	0.57	1.00	0.01
11.22	103.32	1.21	0.56	1.00	0.01	11.24	103.26	1.21	0.56	1.00	0.01
11.26	103.62	1.22	0.55	1.00	0.01	11.28	104.36	1.23	0.53	1.00	0.01
11.30	104.66	1.24	0.52	1.00	0.01	11.32	102.45	1.20	0.58	1.00	0.01
11.34	98.05	1.14	0.72	1.00	0.01	11.36	97.76	1.13	0.73	1.00	0.01
11.38	97.74	1.13	0.73	1.00	0.01	11.40	98.01	1.14	0.72	1.00	0.01
11.42	98.30	1.14	0.70	1.00	0.01	11.44	99.42	1.16	0.66	1.00	0.01
11.46	101.06	1.18	0.61	1.00	0.01	11.48	100.52	1.18	0.63	1.00	0.01
11.50	98.73	1.15	0.68	1.00	0.01	11.52	96.53	1.12	0.77	1.00	0.02
11.54	94.29	1.09	0.87	1.00	0.02	11.56	91.46	1.06	1.03	1.00	0.02
11.58	90.71	1.05	1.09	1.00	0.02	11.60	91.48	1.06	1.03	1.00	0.02
11.62	93.89	1.09	0.88	1.00	0.02	11.64	97.46	1.14	0.72	1.00	0.01
11.66	99.06	1.16	0.66	1.00	0.01	11.68	97.33	1.14	0.72	1.00	0.01
11.70	98.24	1.15	0.69	1.00	0.01	11.72	97.35	1.14	0.72	1.00	0.01
11.74	98.46	1.15	0.68	1.00	0.01	11.76	98.58	1.15	0.67	1.00	0.01
11.78	98.63	1.16	0.67	1.00	0.01	11.80	98.79	1.16	0.66	1.00	0.01
11.82	103.36	1.23	0.53	1.00	0.01	11.84	100.72	1.19	0.60	1.00	0.01
11.86	101.56	1.20	0.58	1.00	0.01	11.88	101.92	1.21	0.57	1.00	0.01
11.90	104.71	1.25	0.50	1.00	0.01	11.92	102.83	1.22	0.54	1.00	0.01
11.94	102.39	1.22	0.55	1.00	0.01	11.96	101.29	1.20	0.58	1.00	0.01
11.98	93.22	1.09	0.88	1.00	0.02	12.00	90.87	1.06	1.02	1.00	0.02
12.02	98.15	1.15	0.67	1.00	0.01	12.04	94.55	1.11	0.81	1.00	0.02
12.06	89.89	1.05	1.08	1.00	0.02	12.08	90.28	1.06	1.05	1.00	0.02
12.10	90.28	1.06	1.05	1.00	0.02	12.12	89.64	1.05	1.09	1.00	0.02
12.14	88.71	1.04	1.17	1.00	0.02	12.16	90.43	1.06	1.03	1.00	0.02
12.18	93.09	1.09	0.87	1.00	0.02	12.20	93.73	1.10	0.83	1.00	0.02
12.22	94.35	1.11	0.80	1.00	0.02	12.24	95.81	1.13	0.74	1.00	0.01
12.26	95.62	1.13	0.75	1.00	0.01	12.28	96.05	1.13	0.73	1.00	0.01
12.30	96.21	1.13	0.72	1.00	0.01	12.32	96.28	1.14	0.72	1.00	0.01
12.34	95.08	1.12	0.76	1.00	0.02	12.36	93.88	1.11	0.81	1.00	0.02
12.38	90.41	1.06	1.00	1.00	0.02	12.40	94.86	1.12	0.76	1.00	0.02
12.42	98.59	1.17	0.63	1.00	0.01	12.44	99.36	1.18	0.61	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.46	99.06	1.18	0.62	1.00	0.01	12.48	98.13	1.17	0.64	1.00	0.01
12.50	95.27	1.13	0.74	1.00	0.01	12.52	90.48	1.07	0.97	1.00	0.02
12.54	87.06	1.03	1.26	1.00	0.03	12.56	87.43	1.03	1.21	1.00	0.02
12.58	88.82	1.05	1.08	1.00	0.02	12.60	87.43	1.03	1.21	1.00	0.02
12.62	85.46	1.01	1.44	1.00	0.03	12.64	85.00	1.01	1.51	1.00	0.03
12.66	85.08	1.01	1.49	1.00	0.03	12.68	84.52	1.00	1.58	1.00	0.03
12.70	84.25	1.00	1.62	1.00	0.03	12.72	90.08	1.07	0.97	1.00	0.02
12.74	99.28	1.19	0.59	1.00	0.01	12.76	103.76	1.26	0.48	1.00	0.01
12.78	101.90	1.23	0.52	1.00	0.01	12.80	110.82	1.39	0.34	1.00	0.01
12.82	116.10	1.51	0.24	1.00	0.00	12.84	114.76	1.48	0.26	1.00	0.01
12.86	108.38	1.34	0.38	1.00	0.01	12.88	103.50	1.26	0.48	1.00	0.01
12.90	95.55	1.14	0.70	1.00	0.01	12.92	87.87	1.05	1.10	1.00	0.02
12.94	84.20	1.01	1.54	1.00	0.03	12.96	87.65	1.05	1.11	1.00	0.02
12.98	88.79	1.06	1.02	1.00	0.02	13.00	89.01	1.06	1.00	1.00	0.02
13.02	87.60	1.05	1.11	1.00	0.02	13.04	85.88	1.03	1.27	1.00	0.03
13.06	85.82	1.03	1.28	1.00	0.03	13.08	85.88	1.03	1.26	1.00	0.03
13.10	85.82	1.03	1.27	1.00	0.03	13.12	85.77	1.03	1.27	1.00	0.03
13.14	87.09	1.04	1.13	1.00	0.02	13.16	95.12	1.14	0.69	1.00	0.01
13.18	99.44	1.20	0.56	1.00	0.01	13.20	97.78	1.18	0.61	1.00	0.01
13.22	96.88	1.17	0.63	1.00	0.01	13.24	94.78	1.14	0.70	1.00	0.01
13.26	92.86	1.11	0.77	1.00	0.02	13.28	90.48	1.09	0.88	1.00	0.02
13.30	89.84	1.08	0.91	1.00	0.02	13.32	90.41	1.09	0.87	1.00	0.02
13.34	92.78	1.12	0.76	1.00	0.02	13.36	92.70	1.12	0.76	1.00	0.02
13.38	92.53	1.11	0.77	1.00	0.02	13.40	92.98	1.12	0.75	1.00	0.01
13.42	93.37	1.13	0.73	1.00	0.01	13.44	92.69	1.12	0.76	1.00	0.02
13.46	93.20	1.12	0.74	1.00	0.01	13.48	95.91	1.16	0.64	1.00	0.01
13.50	100.65	1.23	0.51	1.00	0.01	13.52	100.34	1.23	0.52	1.00	0.01
13.54	96.47	1.17	0.62	1.00	0.01	13.56	89.85	1.09	0.87	1.00	0.02
13.58	87.04	1.05	1.05	1.00	0.02	13.60	86.48	1.05	1.09	1.00	0.02
13.62	86.80	1.05	1.06	1.00	0.02	13.64	85.65	1.04	1.16	1.00	0.02
13.66	81.75	1.00	1.73	1.00	0.03	13.68	80.08	0.98	2.22	1.00	0.04
13.70	79.94	0.98	2.26	1.00	0.05	13.72	79.92	0.98	2.26	1.00	0.05
13.74	79.90	0.98	2.25	1.00	0.04	13.76	79.93	0.98	2.22	1.00	0.04
13.78	79.94	0.98	2.20	1.00	0.04	13.80	84.13	1.03	1.28	1.00	0.03
13.82	92.28	1.12	0.74	1.00	0.01	13.84	96.82	1.18	0.59	1.00	0.01
13.86	92.70	1.13	0.72	1.00	0.01	13.88	86.09	1.05	1.07	1.00	0.02
13.90	82.04	1.01	1.56	1.00	0.03	13.92	77.66	0.97	3.46	1.00	0.07
13.94	76.24	0.95	4.20	1.00	0.08	13.96	76.21	0.95	4.20	1.00	0.08
13.98	76.96	0.96	4.16	1.00	0.08	14.00	78.32	0.97	2.79	1.00	0.06
14.02	80.44	0.99	1.87	1.00	0.04	14.04	80.05	0.99	1.97	1.00	0.04
14.06	81.40	1.01	1.62	1.00	0.03	14.08	82.74	1.02	1.38	1.00	0.03
14.10	83.87	1.03	1.23	1.00	0.02	14.12	85.04	1.04	1.11	1.00	0.02
14.14	85.18	1.05	1.09	1.00	0.02	14.16	87.07	1.07	0.95	1.00	0.02
14.18	89.21	1.09	0.83	1.00	0.02	14.20	90.51	1.11	0.77	1.00	0.02
14.22	91.68	1.13	0.72	1.00	0.01	14.24	93.26	1.15	0.67	1.00	0.01
14.26	90.79	1.11	0.75	1.00	0.02	14.28	87.21	1.07	0.92	1.00	0.02
14.30	83.83	1.04	1.19	1.00	0.02	14.32	84.78	1.05	1.09	1.00	0.02
14.34	84.54	1.04	1.11	1.00	0.02	14.36	83.76	1.04	1.18	1.00	0.02
14.38	83.61	1.04	1.19	1.00	0.02	14.40	85.47	1.06	1.02	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.42	87.21	1.08	0.90	1.00	0.02	14.44	88.27	1.09	0.84	1.00	0.02
14.46	89.10	1.10	0.80	1.00	0.02	14.48	89.91	1.11	0.76	1.00	0.02
14.50	91.42	1.13	0.71	1.00	0.01	14.52	91.40	1.13	0.70	1.00	0.01
14.54	90.02	1.11	0.75	1.00	0.02	14.56	87.16	1.08	0.88	1.00	0.02
14.58	87.25	1.08	0.88	1.00	0.02	14.60	92.89	1.15	0.65	1.00	0.01
14.62	92.41	1.15	0.66	1.00	0.01	14.64	93.03	1.15	0.64	1.00	0.01
14.66	94.30	1.17	0.60	1.00	0.01	14.68	96.44	1.20	0.55	1.00	0.01
14.70	101.27	1.28	0.44	1.00	0.01	14.72	105.73	1.35	0.36	1.00	0.01
14.74	111.31	1.47	0.27	1.00	0.01	14.76	119.86	1.68	0.14	1.00	0.00
14.78	125.09	1.85	0.06	1.00	0.00	14.80	127.55	1.94	0.02	1.00	0.00
14.82	129.31	2.00	0.00	1.00	0.00	14.84	134.61	2.00	0.00	1.00	0.00
14.86	145.74	2.00	0.00	1.00	0.00	14.88	155.94	2.00	0.00	1.00	0.00
14.90	164.40	2.00	0.00	1.00	0.00	14.92	166.70	2.00	0.00	1.00	0.00
14.94	163.53	2.00	0.00	1.00	0.00	14.96	158.15	2.00	0.00	1.00	0.00
14.98	151.81	2.00	0.00	1.00	0.00	15.00	147.53	2.00	0.00	1.00	0.00
15.02	139.04	2.00	0.00	1.00	0.00	15.04	138.04	2.00	0.00	1.00	0.00
15.06	134.76	2.00	0.00	1.00	0.00	15.08	132.88	2.00	0.00	1.00	0.00
15.10	125.44	1.88	0.05	1.00	0.00	15.12	114.68	1.56	0.20	1.00	0.00
15.14	104.65	1.35	0.36	1.00	0.01	15.16	102.70	1.32	0.39	1.00	0.01
15.18	102.34	1.31	0.40	1.00	0.01	15.20	103.38	1.33	0.38	1.00	0.01
15.22	104.45	1.35	0.36	1.00	0.01	15.24	106.68	1.39	0.32	1.00	0.01
15.26	115.15	1.58	0.19	1.00	0.00	15.28	120.78	1.73	0.11	1.00	0.00
15.30	124.40	1.85	0.06	1.00	0.00	15.32	126.19	1.91	0.03	1.00	0.00
15.34	128.88	2.00	0.00	1.00	0.00	15.36	131.80	2.00	0.00	1.00	0.00
15.38	135.85	2.00	0.00	1.00	0.00	15.40	135.79	2.00	0.00	1.00	0.00
15.42	133.56	2.00	0.00	1.00	0.00	15.44	125.88	1.91	0.03	1.00	0.00
15.46	112.09	1.51	0.23	1.00	0.00	15.48	107.85	1.43	0.29	1.00	0.01
15.50	107.76	1.42	0.29	1.00	0.01	15.52	108.38	1.44	0.28	1.00	0.01
15.54	109.00	1.45	0.27	1.00	0.01	15.56	110.31	1.48	0.25	1.00	0.01
15.58	114.25	1.57	0.20	1.00	0.00	15.60	115.25	1.60	0.18	1.00	0.00
15.62	112.14	1.52	0.22	1.00	0.00	15.64	107.11	1.42	0.30	1.00	0.01
15.66	100.08	1.29	0.41	1.00	0.01	15.68	118.37	1.68	0.13	1.00	0.00
15.70	123.04	1.83	0.07	1.00	0.00	15.72	120.20	1.74	0.11	1.00	0.00
15.74	114.39	1.58	0.19	1.00	0.00	15.76	106.32	1.41	0.31	1.00	0.01
15.78	99.49	1.29	0.42	1.00	0.01	15.80	93.39	1.20	0.54	1.00	0.01
15.82	89.56	1.15	0.63	1.00	0.01	15.84	88.02	1.13	0.68	1.00	0.01
15.86	87.32	1.12	0.70	1.00	0.01	15.88	86.62	1.11	0.72	1.00	0.01
15.90	81.39	1.06	1.00	1.00	0.02	15.92	77.82	1.02	1.40	1.00	0.03
15.94	76.73	1.01	1.59	1.00	0.03	15.96	76.84	1.01	1.56	1.00	0.03
15.98	77.93	1.02	1.36	1.00	0.03	16.00	78.98	1.03	1.21	1.00	0.02
16.02	78.54	1.03	1.25	1.00	0.03	16.04	82.28	1.07	0.91	1.00	0.02
16.06	83.80	1.09	0.82	1.00	0.02	16.08	85.25	1.10	0.75	1.00	0.02
16.10	88.20	1.14	0.65	1.00	0.01	16.12	90.52	1.17	0.58	1.00	0.01
16.14	94.38	1.22	0.49	1.00	0.01	16.16	97.79	1.27	0.43	1.00	0.01
16.18	101.16	1.33	0.37	1.00	0.01	16.20	105.25	1.40	0.31	1.00	0.01
16.22	109.84	1.50	0.24	1.00	0.00	16.24	114.08	1.59	0.18	1.00	0.00
16.26	118.59	1.72	0.12	1.00	0.00	16.28	119.47	1.74	0.10	1.00	0.00
16.30	121.01	1.79	0.08	1.00	0.00	16.32	124.10	1.89	0.04	1.00	0.00
16.34	129.00	2.00	0.00	1.00	0.00	16.36	134.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.38	143.18	2.00	0.00	1.00	0.00	16.40	149.50	2.00	0.00	1.00	0.00
16.42	152.40	2.00	0.00	1.00	0.00	16.44	153.76	2.00	0.00	1.00	0.00
16.46	155.31	2.00	0.00	1.00	0.00	16.48	152.56	2.00	0.00	1.00	0.00
16.50	146.32	2.00	0.00	1.00	0.00	16.52	135.31	2.00	0.00	1.00	0.00
16.54	130.41	2.00	0.00	1.00	0.00	16.56	130.03	2.00	0.00	1.00	0.00
16.58	129.90	2.00	0.00	1.00	0.00	16.60	130.13	2.00	0.00	1.00	0.00
16.61	130.36	2.00	0.00	1.00	0.00	16.63	133.80	2.00	0.00	1.00	0.00
16.65	137.68	2.00	0.00	1.00	0.00	16.67	138.11	2.00	0.00	1.00	0.00
16.69	135.53	2.00	0.00	1.00	0.00	16.71	131.20	2.00	0.00	1.00	0.00
16.73	130.13	2.00	0.00	1.00	0.00	16.75	129.61	2.00	0.00	1.00	0.00
16.77	130.35	2.00	0.00	1.00	0.00	16.79	131.10	2.00	0.00	1.00	0.00
16.81	132.75	2.00	0.00	1.00	0.00	16.83	132.21	2.00	0.00	1.00	0.00
16.85	126.80	2.00	0.00	1.00	0.00	16.87	121.07	1.82	0.07	1.00	0.00
16.89	119.18	1.76	0.09	1.00	0.00	16.91	119.04	1.76	0.09	1.00	0.00
16.93	118.42	1.74	0.10	1.00	0.00	16.95	117.10	1.71	0.12	1.00	0.00
16.97	115.96	1.68	0.13	1.00	0.00	16.99	115.21	1.66	0.14	1.00	0.00
17.01	115.12	1.66	0.14	1.00	0.00	17.03	115.03	1.66	0.14	1.00	0.00
17.05	115.07	1.66	0.14	1.00	0.00	17.07	114.66	1.65	0.15	1.00	0.00
17.09	114.07	1.63	0.15	1.00	0.00	17.11	113.26	1.61	0.17	1.00	0.00
17.13	112.38	1.59	0.18	1.00	0.00	17.15	111.38	1.57	0.19	1.00	0.00
17.17	110.62	1.56	0.20	1.00	0.00	17.19	109.89	1.54	0.21	1.00	0.00
17.21	109.82	1.54	0.21	1.00	0.00	17.23	109.81	1.54	0.21	1.00	0.00
17.25	109.81	1.54	0.21	1.00	0.00	17.27	110.03	1.55	0.20	1.00	0.00
17.29	113.22	1.62	0.16	1.00	0.00	17.31	114.64	1.66	0.14	1.00	0.00
17.33	114.90	1.67	0.14	1.00	0.00	17.35	115.49	1.68	0.13	1.00	0.00
17.37	115.50	1.68	0.13	1.00	0.00	17.39	114.98	1.67	0.13	1.00	0.00
17.41	113.56	1.64	0.15	1.00	0.00	17.43	111.83	1.60	0.17	1.00	0.00
17.45	110.60	1.57	0.19	1.00	0.00	17.47	108.10	1.51	0.22	1.00	0.00
17.49	105.38	1.46	0.26	1.00	0.01	17.51	102.59	1.41	0.29	1.00	0.01
17.53	98.74	1.34	0.35	1.00	0.01	17.55	95.19	1.28	0.40	1.00	0.01
17.57	93.55	1.26	0.42	1.00	0.01	17.59	93.86	1.27	0.41	1.00	0.01
17.61	94.54	1.28	0.40	1.00	0.01	17.63	96.37	1.31	0.37	1.00	0.01
17.65	100.52	1.37	0.32	1.00	0.01	17.67	105.31	1.46	0.25	1.00	0.01
17.69	104.35	1.45	0.26	1.00	0.01	17.71	103.57	1.43	0.27	1.00	0.01
17.73	103.32	1.43	0.28	1.00	0.01	17.75	103.79	1.44	0.27	1.00	0.01
17.77	105.44	1.47	0.25	1.00	0.00	17.79	108.31	1.53	0.21	1.00	0.00
17.81	108.13	1.53	0.21	1.00	0.00	17.83	109.00	1.55	0.20	1.00	0.00
17.85	107.74	1.52	0.21	1.00	0.00	17.87	107.57	1.52	0.22	1.00	0.00
17.89	107.53	1.52	0.22	1.00	0.00	17.91	111.32	1.61	0.17	1.00	0.00
17.93	113.91	1.67	0.13	1.00	0.00	17.95	111.06	1.60	0.17	1.00	0.00
17.97	106.80	1.51	0.22	1.00	0.00	17.99	103.48	1.44	0.26	1.00	0.01
18.01	101.54	1.41	0.29	1.00	0.01	18.03	99.64	1.37	0.31	1.00	0.01
18.05	97.75	1.34	0.34	1.00	0.01	18.07	94.46	1.29	0.38	1.00	0.01
18.09	92.68	1.27	0.40	1.00	0.01	18.11	91.82	1.26	0.42	1.00	0.01
18.13	91.03	1.25	0.43	1.00	0.01	18.15	89.71	1.23	0.45	1.00	0.01
18.17	87.81	1.20	0.48	1.00	0.01	18.19	86.57	1.19	0.50	1.00	0.01
18.21	87.64	1.20	0.48	1.00	0.01	18.23	90.61	1.24	0.43	1.00	0.01
18.25	94.07	1.29	0.38	1.00	0.01	18.27	94.70	1.30	0.37	1.00	0.01
18.29	97.06	1.34	0.33	1.00	0.01	18.31	98.55	1.37	0.31	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.33	101.06	1.41	0.28	1.00	0.01	18.35	103.03	1.45	0.26	1.00	0.01
18.37	101.31	1.42	0.28	1.00	0.01	18.39	98.30	1.37	0.31	1.00	0.01
18.41	97.14	1.35	0.33	1.00	0.01	18.43	98.10	1.36	0.31	1.00	0.01
18.45	99.06	1.38	0.30	1.00	0.01	18.47	99.14	1.38	0.30	1.00	0.01
18.49	100.17	1.40	0.29	1.00	0.01	18.51	100.39	1.41	0.28	1.00	0.01
18.53	99.64	1.39	0.29	1.00	0.01	18.55	97.88	1.36	0.31	1.00	0.01
18.57	96.59	1.34	0.33	1.00	0.01	18.59	95.80	1.33	0.34	1.00	0.01
18.61	95.13	1.32	0.34	1.00	0.01	18.63	94.23	1.31	0.36	1.00	0.01
18.65	92.45	1.28	0.38	1.00	0.01	18.67	87.19	1.21	0.45	1.00	0.01
18.69	86.33	1.20	0.47	1.00	0.01	18.71	87.56	1.22	0.44	1.00	0.01
18.73	88.25	1.23	0.43	1.00	0.01	18.75	88.58	1.23	0.43	1.00	0.01
18.77	89.07	1.24	0.42	1.00	0.01	18.79	90.93	1.27	0.39	1.00	0.01
18.81	91.34	1.27	0.38	1.00	0.01	18.83	92.28	1.29	0.37	1.00	0.01
18.85	92.90	1.30	0.36	1.00	0.01	18.87	92.07	1.29	0.37	1.00	0.01
18.89	94.81	1.33	0.34	1.00	0.01	18.91	97.64	1.37	0.30	1.00	0.01
18.93	99.39	1.41	0.28	1.00	0.01	18.95	102.20	1.46	0.25	1.00	0.00
18.97	105.18	1.52	0.21	1.00	0.00	18.99	107.35	1.56	0.19	1.00	0.00
19.01	106.05	1.54	0.20	1.00	0.00	19.03	104.75	1.51	0.21	1.00	0.00
19.05	101.75	1.45	0.25	1.00	0.00	19.07	99.05	1.41	0.28	1.00	0.01
19.09	99.08	1.41	0.28	1.00	0.01	19.11	97.44	1.38	0.30	1.00	0.01
19.13	92.80	1.31	0.35	1.00	0.01	19.15	90.88	1.28	0.37	1.00	0.01
19.17	91.38	1.29	0.37	1.00	0.01	19.19	92.41	1.30	0.35	1.00	0.01
19.21	94.73	1.34	0.32	1.00	0.01	19.23	95.12	1.35	0.32	1.00	0.01
19.25	94.80	1.34	0.32	1.00	0.01	19.27	100.89	1.45	0.25	1.00	0.00
19.29	104.82	1.52	0.21	1.00	0.00	19.31	106.12	1.55	0.19	1.00	0.00
19.33	107.46	1.58	0.17	1.00	0.00	19.35	107.25	1.58	0.18	1.00	0.00
19.37	109.92	1.64	0.15	1.00	0.00	19.39	116.18	1.80	0.07	1.00	0.00
19.41	120.73	1.95	0.02	1.00	0.00	19.43	124.96	2.00	0.00	1.00	0.00
19.45	125.63	2.00	0.00	1.00	0.00	19.47	125.31	2.00	0.00	1.00	0.00

Total estimated settlement: 4.99

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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stefania.asti@tin.it

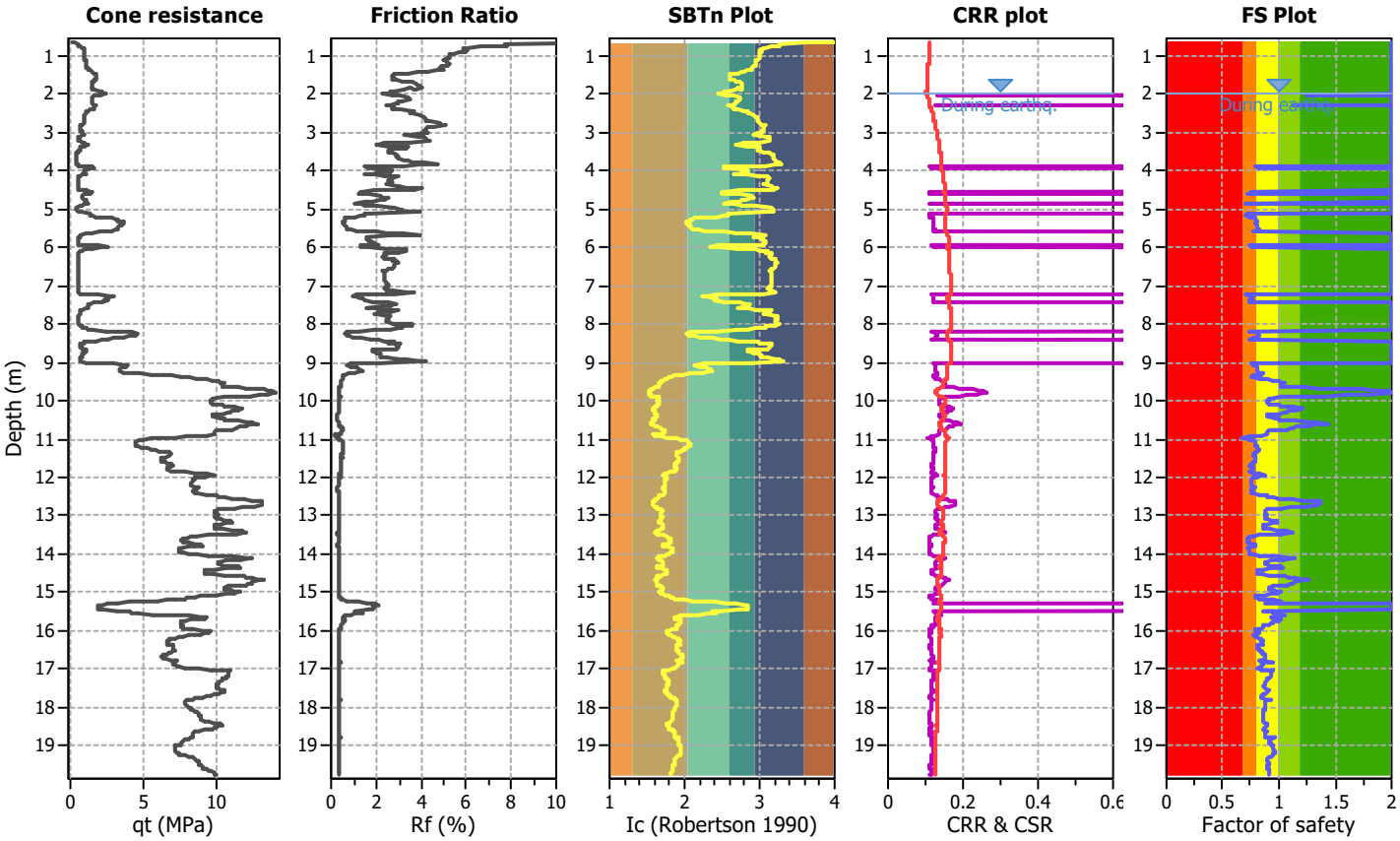
LIQUEFACTION ANALYSIS REPORT

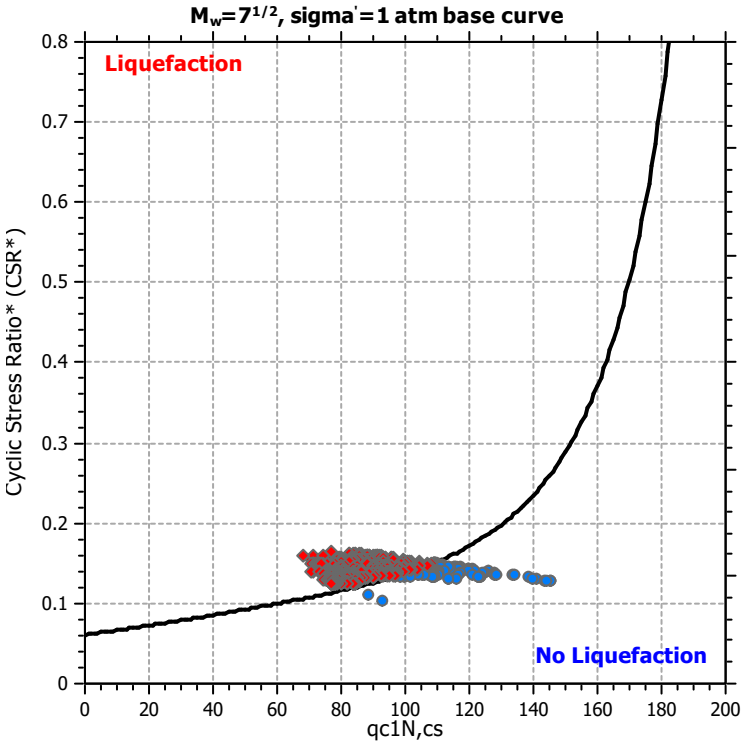
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

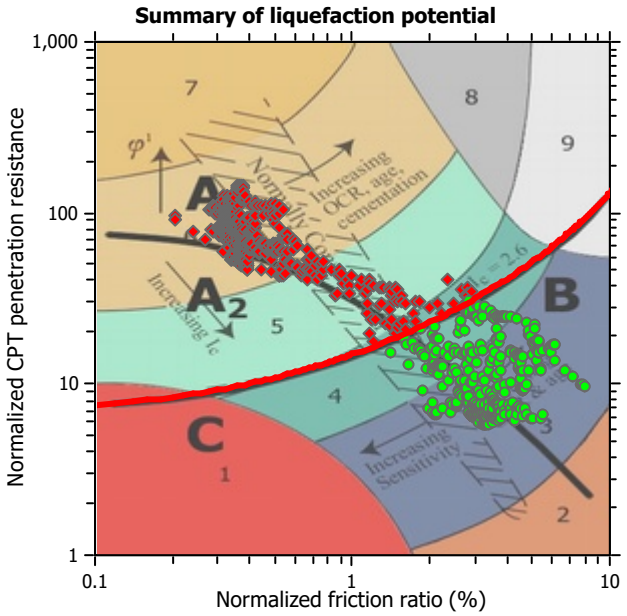
CPT file : P306 - CPTu-12

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.15	Unit weight calculation:	Based on SBT	K_σ applied:	No		

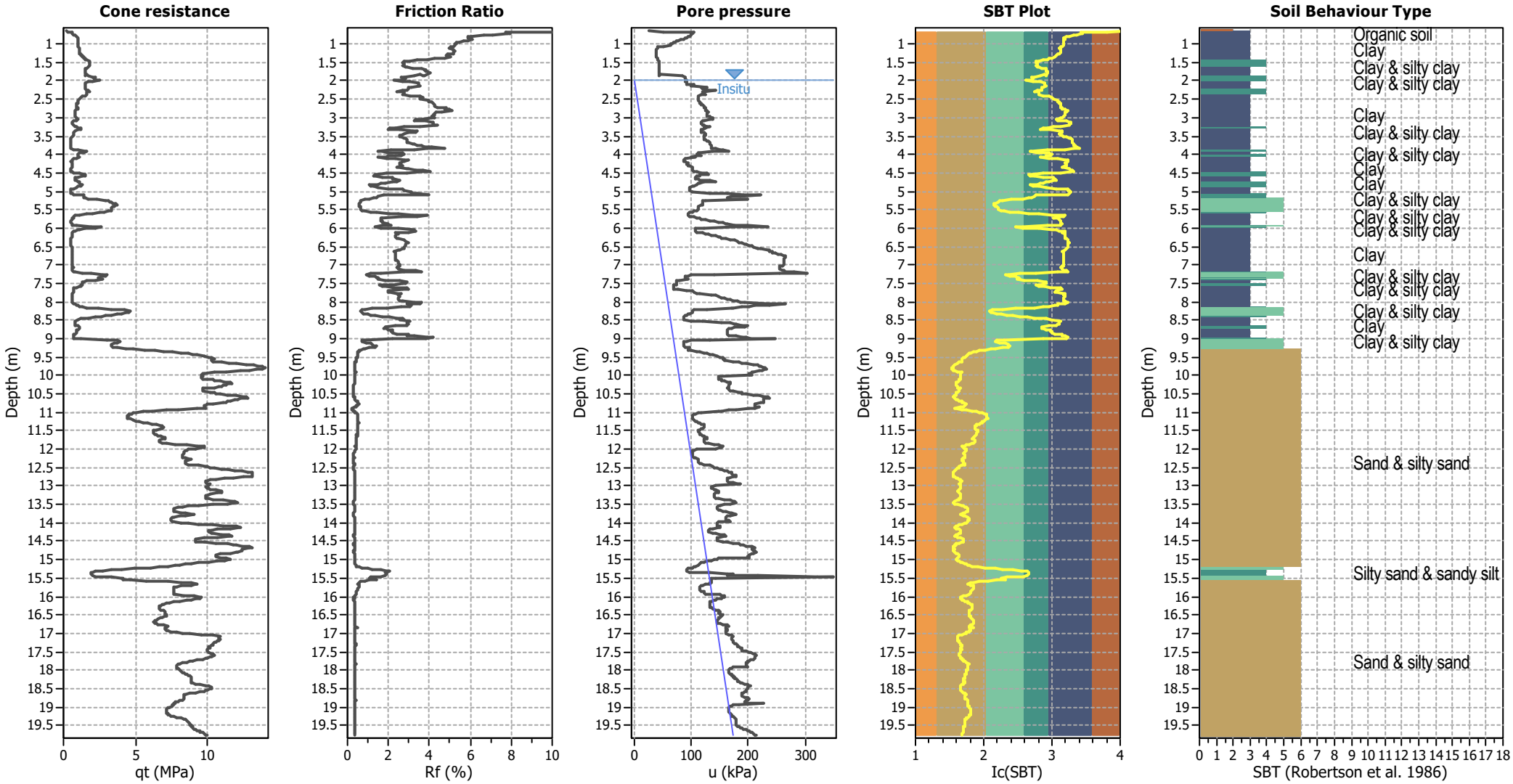






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



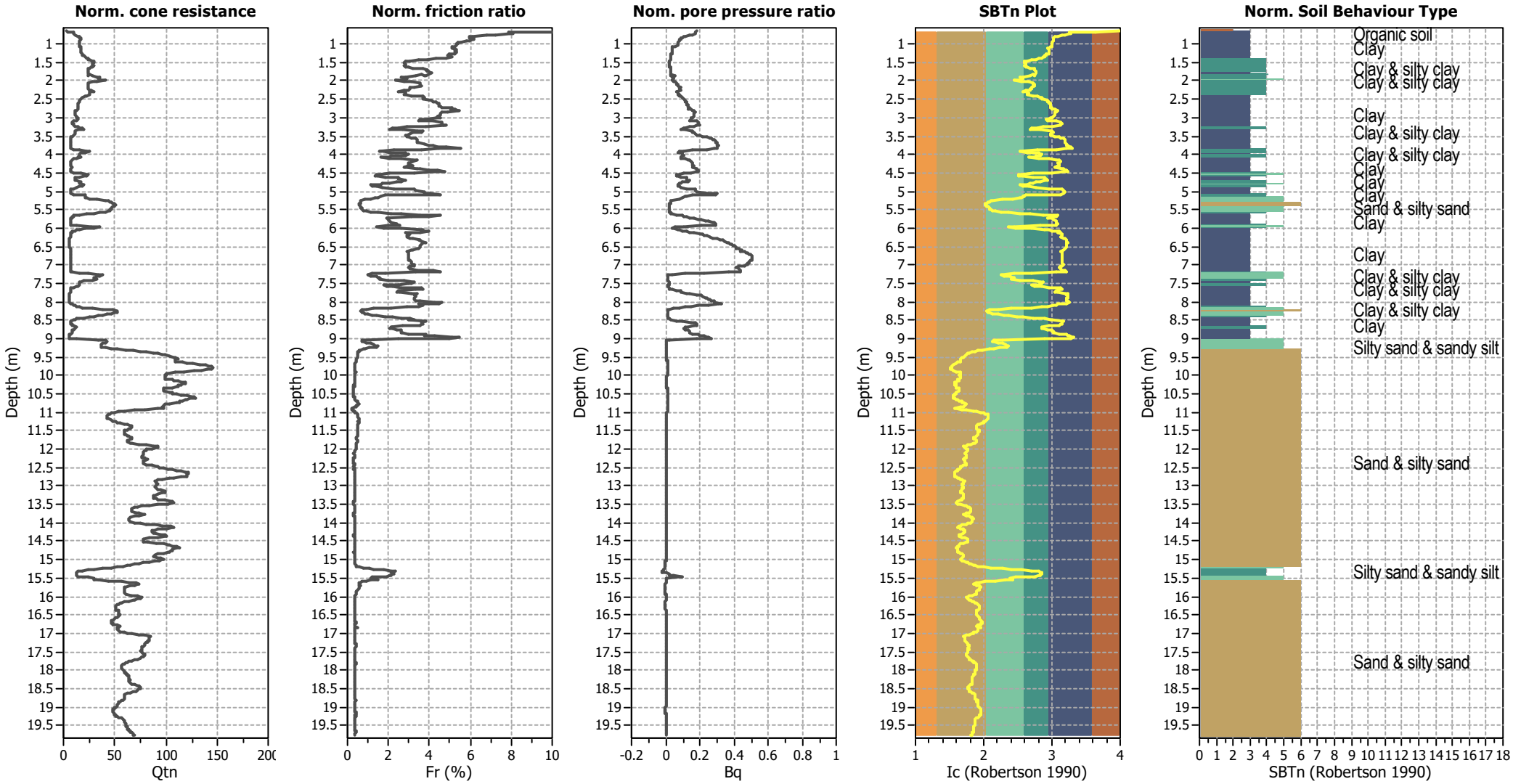
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



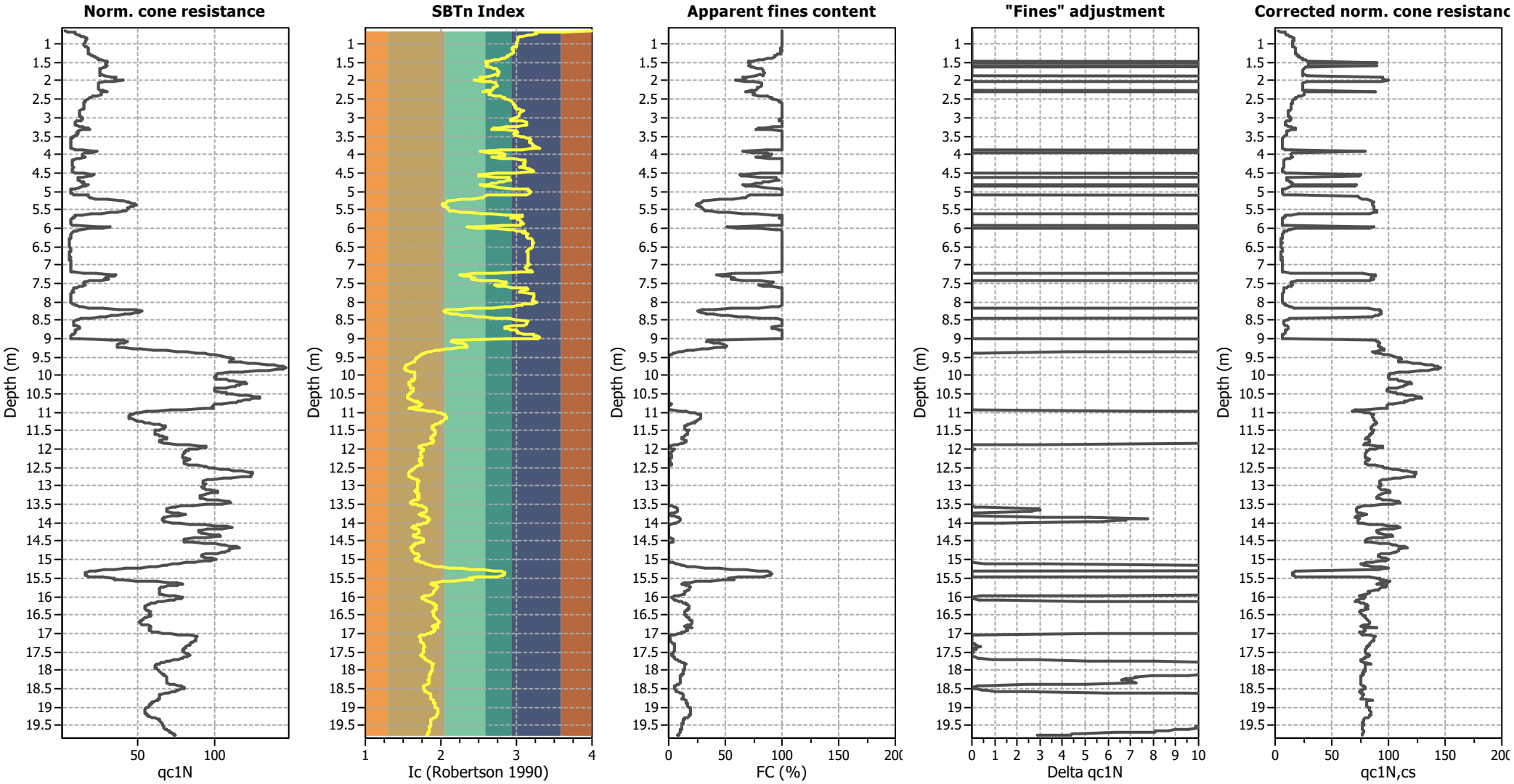
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

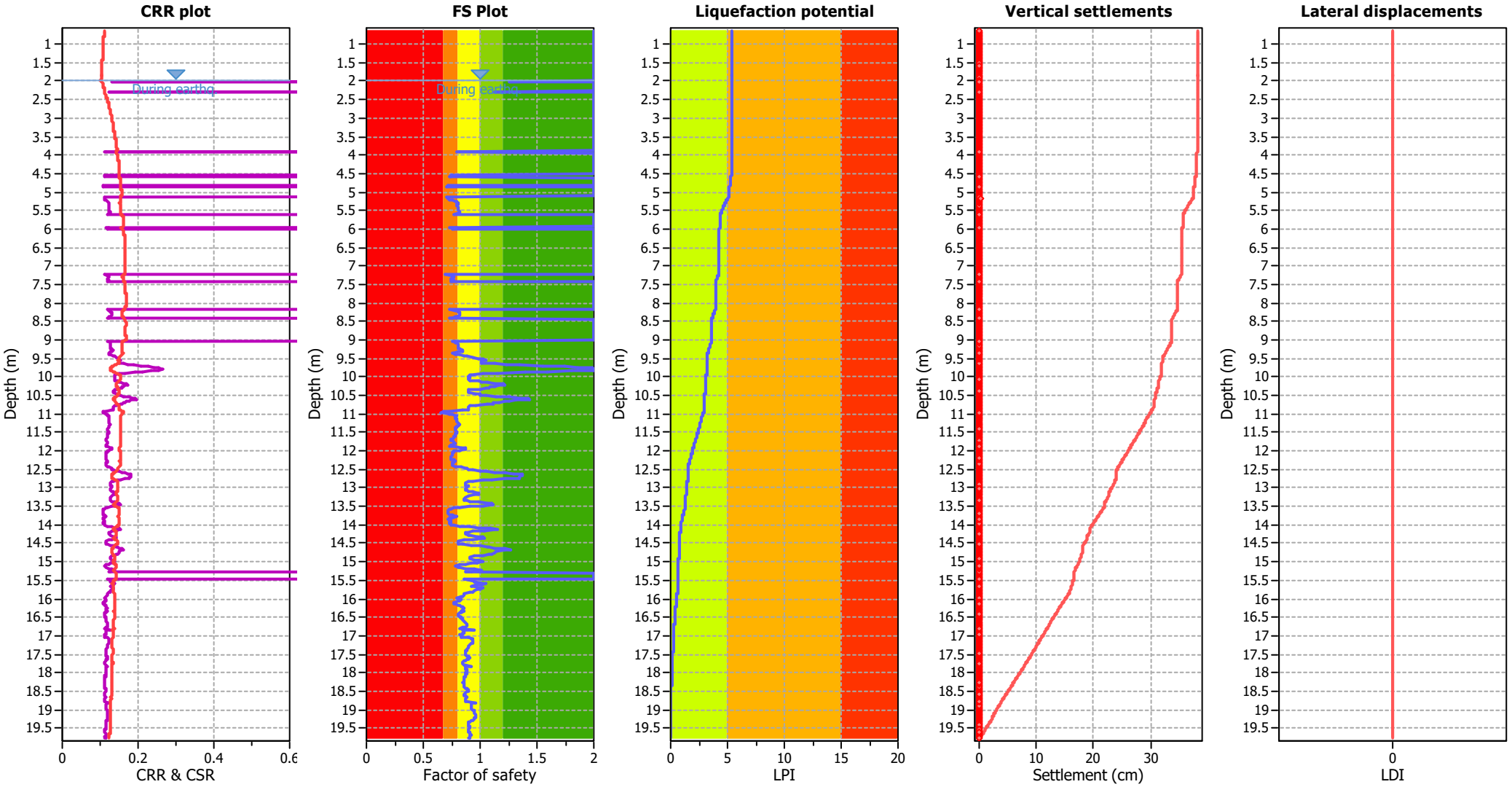
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

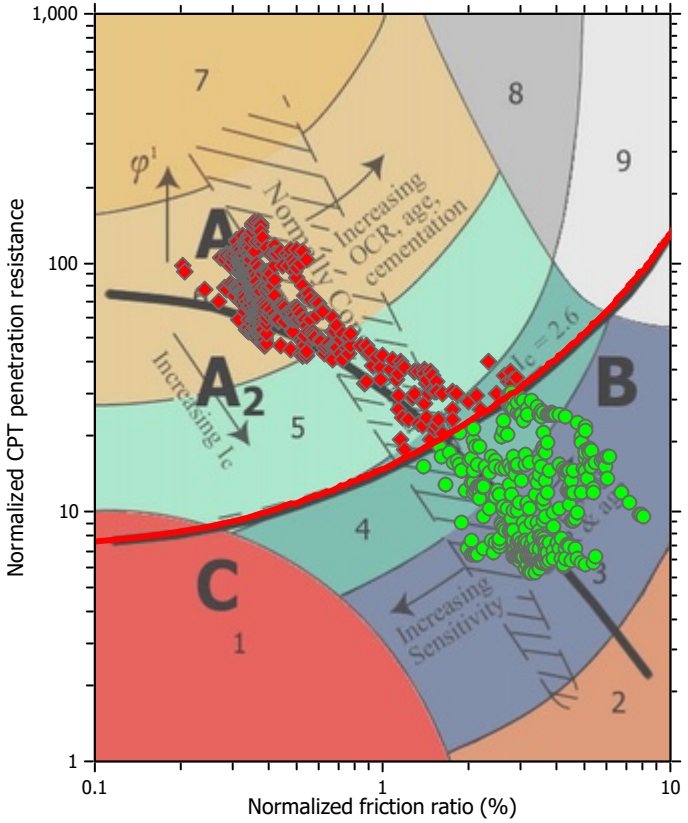
F.S. color scheme

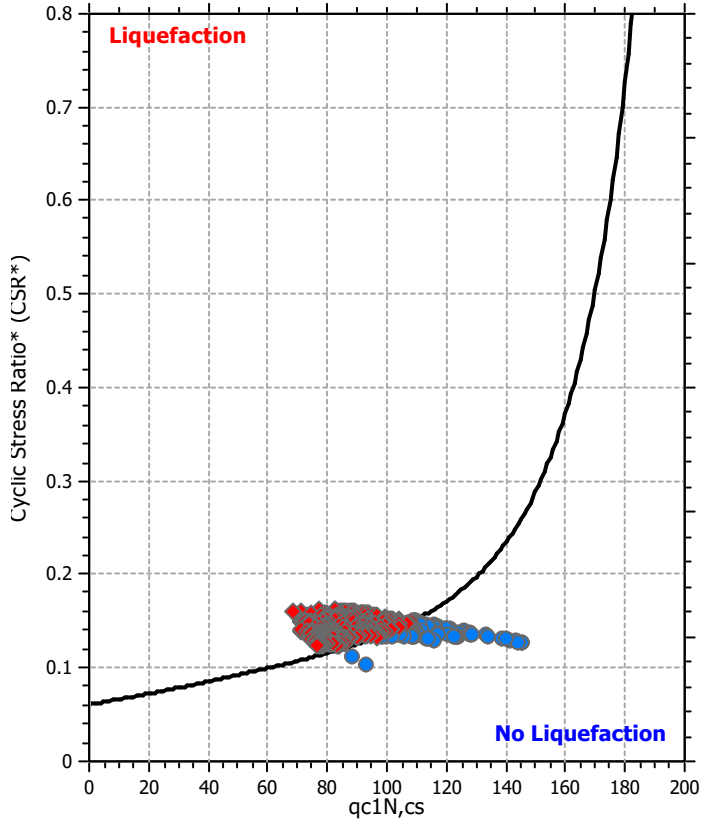
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

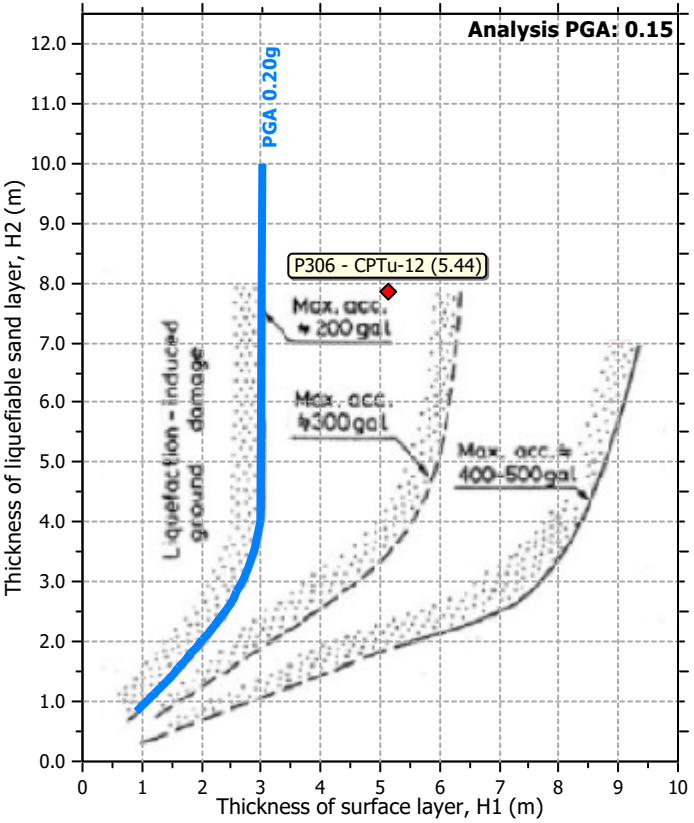
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



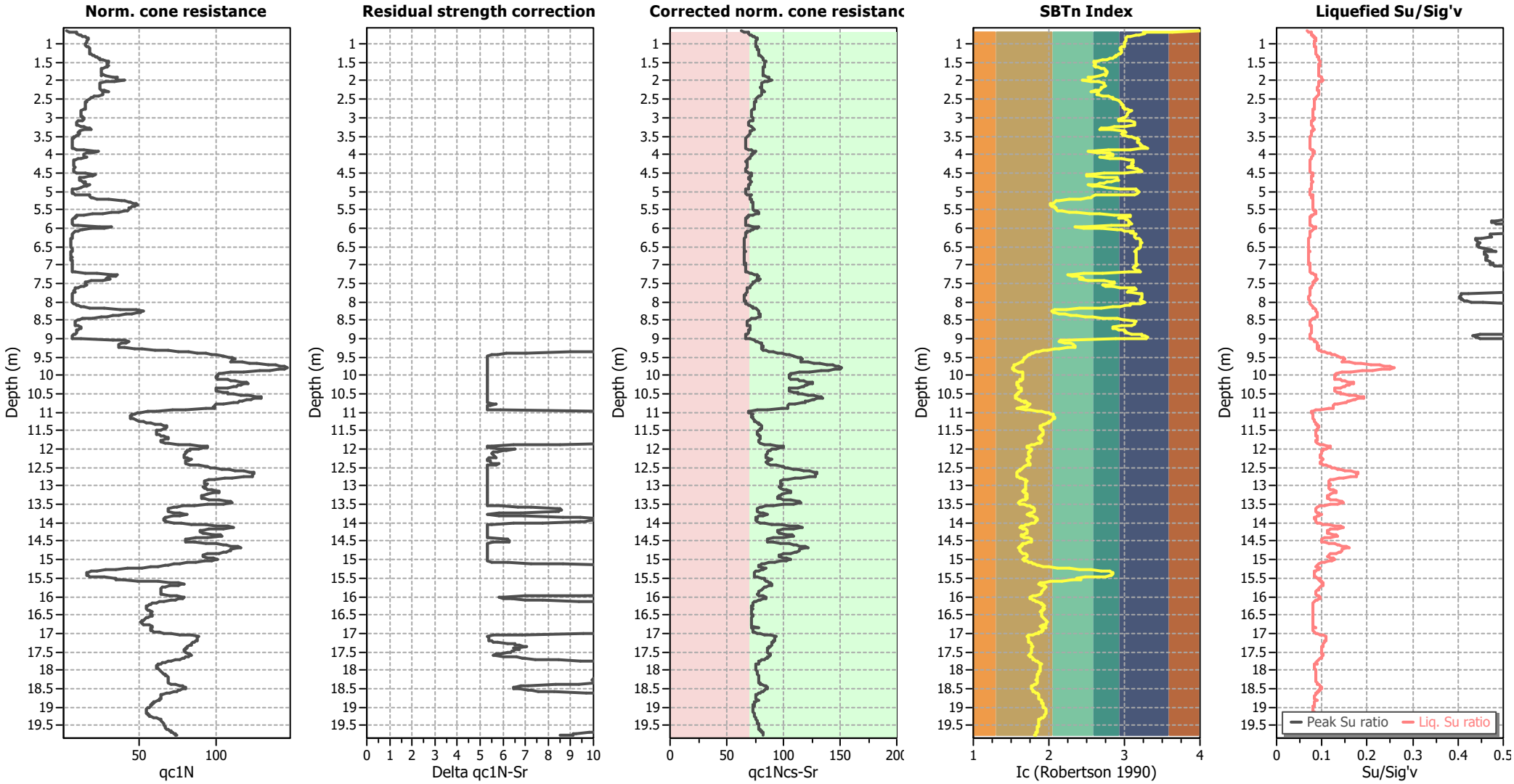




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	1.25	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	1.12	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	0.80	0.00	0.00	0.02	0.03
3.92	0.82	0.00	0.00	0.02	0.03	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	0.75	0.00	0.00	0.02	0.04

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.56	0.75	0.00	0.00	0.02	0.04	4.58	0.74	0.00	0.00	0.02	0.04
4.60	0.73	0.00	0.00	0.02	0.04	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	0.71	0.00	0.00	0.02	0.04	4.86	0.70	0.00	0.00	0.02	0.04
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	0.71	0.00	0.00	0.02	0.04	5.14	0.71	0.00	0.00	0.02	0.04
5.16	0.71	0.00	0.00	0.02	0.04	5.19	0.72	0.00	0.00	0.03	0.06
5.20	0.73	0.00	0.00	0.01	0.02	5.22	0.76	0.00	0.00	0.02	0.04
5.24	0.79	0.00	0.00	0.02	0.03	5.26	0.79	0.00	0.00	0.02	0.03
5.28	0.80	0.00	0.00	0.02	0.03	5.30	0.80	0.00	0.00	0.02	0.03
5.32	0.80	0.00	0.00	0.02	0.03	5.34	0.80	0.00	0.00	0.02	0.03
5.36	0.80	0.00	0.00	0.02	0.03	5.38	0.80	0.00	0.00	0.02	0.03
5.40	0.80	0.00	0.00	0.02	0.03	5.42	0.81	0.00	0.00	0.02	0.03
5.44	0.81	0.00	0.00	0.02	0.03	5.46	0.81	0.00	0.00	0.02	0.03
5.48	0.81	0.00	0.00	0.02	0.03	5.50	0.81	0.00	0.00	0.02	0.03
5.52	0.82	0.00	0.00	0.02	0.03	5.54	0.83	0.00	0.00	0.02	0.03
5.56	0.82	0.00	0.00	0.02	0.03	5.58	0.80	0.00	0.00	0.02	0.03
5.60	0.77	0.00	0.00	0.02	0.03	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	0.73	0.00	0.00	0.02	0.04	5.98	0.79	0.00	0.00	0.02	0.03
6.00	0.76	0.00	0.00	0.02	0.03	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	0.69	0.00	0.00	0.02	0.04	7.26	0.75	0.00	0.00	0.02	0.03
7.28	0.78	0.00	0.00	0.02	0.03	7.30	0.77	0.00	0.00	0.02	0.03
7.32	0.76	0.00	0.00	0.02	0.03	7.34	0.75	0.00	0.00	0.02	0.03
7.36	0.75	0.00	0.00	0.02	0.03	7.38	0.74	0.00	0.00	0.02	0.03
7.40	0.77	0.00	0.00	0.02	0.03	7.42	0.74	0.00	0.00	0.02	0.03
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	0.73	0.00	0.00	0.02	0.03
8.20	0.78	0.00	0.00	0.02	0.03	8.22	0.81	0.00	0.00	0.02	0.02
8.24	0.81	0.00	0.00	0.02	0.02	8.26	0.82	0.00	0.00	0.02	0.02
8.28	0.82	0.00	0.00	0.02	0.02	8.30	0.82	0.00	0.00	0.02	0.02
8.32	0.82	0.00	0.00	0.02	0.02	8.34	0.81	0.00	0.00	0.02	0.02
8.36	0.80	0.00	0.00	0.02	0.02	8.38	0.78	0.00	0.00	0.02	0.03
8.40	0.76	0.00	0.00	0.02	0.03	8.42	0.73	0.00	0.00	0.02	0.03
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.77	2.00	0.00	0.00	0.02	0.00
8.79	2.00	0.00	0.00	0.02	0.00	8.81	2.00	0.00	0.00	0.02	0.00
8.83	2.00	0.00	0.00	0.02	0.00	8.85	2.00	0.00	0.00	0.02	0.00
8.87	2.00	0.00	0.00	0.02	0.00	8.89	2.00	0.00	0.00	0.02	0.00
8.91	2.00	0.00	0.00	0.02	0.00	8.93	2.00	0.00	0.00	0.02	0.00
8.95	2.00	0.00	0.00	0.02	0.00	8.97	2.00	0.00	0.00	0.02	0.00
8.99	2.00	0.00	0.00	0.02	0.00	9.01	2.00	0.00	0.00	0.02	0.00
9.03	0.75	0.00	0.00	0.02	0.03	9.05	0.78	0.00	0.00	0.02	0.02
9.07	0.79	0.00	0.00	0.02	0.02	9.09	0.80	0.00	0.00	0.02	0.02
9.11	0.81	0.00	0.00	0.02	0.02	9.13	0.81	0.00	0.00	0.02	0.02
9.15	0.80	0.00	0.00	0.02	0.02	9.17	0.80	0.00	0.00	0.02	0.02
9.19	0.81	0.00	0.00	0.02	0.02	9.21	0.81	0.00	0.00	0.02	0.02
9.23	0.81	0.00	0.00	0.02	0.02	9.25	0.82	0.00	0.00	0.02	0.02
9.27	0.84	0.00	0.00	0.02	0.02	9.29	0.85	0.00	0.00	0.02	0.02
9.31	0.84	0.00	0.00	0.02	0.02	9.33	0.81	0.00	0.00	0.02	0.02
9.35	0.77	0.00	0.00	0.02	0.02	9.37	0.76	0.00	0.00	0.02	0.03
9.39	0.78	0.00	0.00	0.02	0.02	9.41	0.82	0.00	0.00	0.02	0.02
9.43	0.86	0.00	0.00	0.02	0.02	9.45	0.89	0.00	0.00	0.02	0.01
9.47	0.94	0.00	0.00	0.02	0.01	9.49	0.99	0.00	0.00	0.02	0.00
9.51	1.02	0.00	0.00	0.02	0.00	9.53	1.05	0.00	0.00	0.02	0.00
9.55	1.02	0.00	0.00	0.02	0.00	9.57	1.02	0.00	0.00	0.02	0.00
9.59	1.02	0.00	0.00	0.02	0.00	9.61	1.02	0.00	0.00	0.02	0.00
9.63	1.13	0.00	0.00	0.02	0.00	9.65	1.23	0.00	0.00	0.02	0.00
9.67	1.34	0.00	0.00	0.02	0.00	9.69	1.56	0.00	0.00	0.02	0.00
9.71	1.74	0.00	0.00	0.02	0.00	9.73	1.86	0.00	0.00	0.02	0.00
9.75	1.99	0.00	0.00	0.02	0.00	9.77	2.00	0.00	0.00	0.02	0.00
9.79	2.00	0.00	0.00	0.02	0.00	9.81	2.00	0.00	0.00	0.02	0.00
9.83	1.81	0.00	0.00	0.02	0.00	9.85	1.60	0.00	0.00	0.02	0.00
9.87	1.39	0.00	0.00	0.02	0.00	9.89	1.16	0.00	0.00	0.02	0.00
9.91	1.02	0.00	0.00	0.02	0.00	9.93	0.93	0.00	0.00	0.02	0.01
9.95	0.91	0.00	0.00	0.02	0.01	9.97	0.90	0.00	0.00	0.02	0.01
9.99	0.91	0.00	0.00	0.02	0.01	10.01	0.91	0.00	0.00	0.02	0.01
10.03	0.90	0.00	0.00	0.02	0.01	10.05	0.90	0.00	0.00	0.02	0.01
10.07	0.90	0.00	0.00	0.02	0.01	10.09	0.91	0.00	0.00	0.02	0.01
10.11	0.99	0.00	0.00	0.02	0.00	10.13	1.02	0.00	0.00	0.02	0.00
10.15	1.07	0.00	0.00	0.02	0.00	10.17	1.13	0.00	0.00	0.02	0.00
10.19	1.21	0.00	0.00	0.02	0.00	10.21	1.22	0.00	0.00	0.02	0.00
10.23	1.16	0.00	0.00	0.02	0.00	10.25	1.13	0.00	0.00	0.02	0.00
10.27	1.09	0.00	0.00	0.02	0.00	10.29	1.08	0.00	0.00	0.02	0.00
10.31	1.05	0.00	0.00	0.02	0.00	10.33	1.00	0.00	0.00	0.02	0.00
10.35	0.90	0.00	0.00	0.02	0.01	10.37	0.90	0.00	0.00	0.02	0.01
10.39	0.90	0.00	0.00	0.02	0.01	10.41	0.90	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.43	0.90	0.00	0.00	0.02	0.01	10.45	0.96	0.00	0.00	0.02	0.00
10.47	1.00	0.00	0.00	0.02	0.00	10.49	1.00	0.00	0.00	0.02	0.00
10.51	1.06	0.00	0.00	0.02	0.00	10.53	1.14	0.00	0.00	0.02	0.00
10.55	1.26	0.00	0.00	0.02	0.00	10.57	1.34	0.00	0.00	0.02	0.00
10.59	1.42	0.00	0.00	0.02	0.00	10.61	1.44	0.00	0.00	0.02	0.00
10.63	1.32	0.00	0.00	0.02	0.00	10.65	1.26	0.00	0.00	0.02	0.00
10.67	1.22	0.00	0.00	0.02	0.00	10.69	1.16	0.00	0.00	0.02	0.00
10.71	1.12	0.00	0.00	0.02	0.00	10.73	1.11	0.00	0.00	0.02	0.00
10.75	1.07	0.00	0.00	0.02	0.00	10.77	0.97	0.00	0.00	0.02	0.00
10.79	0.91	0.00	0.00	0.02	0.01	10.81	0.90	0.00	0.00	0.02	0.01
10.83	0.90	0.00	0.00	0.02	0.01	10.85	0.90	0.00	0.00	0.02	0.01
10.87	0.90	0.00	0.00	0.02	0.01	10.89	0.90	0.00	0.00	0.02	0.01
10.91	0.84	0.00	0.00	0.02	0.01	10.93	0.74	0.00	0.00	0.02	0.02
10.95	0.68	0.00	0.00	0.02	0.03	10.97	0.66	0.00	0.00	0.02	0.03
10.99	0.70	0.00	0.00	0.02	0.03	11.01	0.73	0.00	0.00	0.02	0.02
11.03	0.76	0.00	0.00	0.02	0.02	11.05	0.78	0.00	0.00	0.02	0.02
11.07	0.79	0.00	0.00	0.02	0.02	11.09	0.79	0.00	0.00	0.02	0.02
11.11	0.79	0.00	0.00	0.02	0.02	11.13	0.79	0.00	0.00	0.02	0.02
11.15	0.79	0.00	0.00	0.02	0.02	11.17	0.79	0.00	0.00	0.02	0.02
11.19	0.80	0.00	0.00	0.02	0.02	11.21	0.80	0.00	0.00	0.02	0.02
11.23	0.80	0.00	0.00	0.02	0.02	11.25	0.81	0.00	0.00	0.02	0.02
11.27	0.82	0.00	0.00	0.02	0.02	11.29	0.82	0.00	0.00	0.02	0.02
11.31	0.81	0.00	0.00	0.02	0.02	11.33	0.80	0.00	0.00	0.02	0.02
11.35	0.79	0.00	0.00	0.02	0.02	11.37	0.79	0.00	0.00	0.02	0.02
11.39	0.78	0.00	0.00	0.02	0.02	11.41	0.78	0.00	0.00	0.02	0.02
11.43	0.78	0.00	0.00	0.02	0.02	11.45	0.78	0.00	0.00	0.02	0.02
11.47	0.79	0.00	0.00	0.02	0.02	11.49	0.80	0.00	0.00	0.02	0.02
11.51	0.79	0.00	0.00	0.02	0.02	11.53	0.79	0.00	0.00	0.02	0.02
11.55	0.79	0.00	0.00	0.02	0.02	11.57	0.79	0.00	0.00	0.02	0.02
11.59	0.78	0.00	0.00	0.02	0.02	11.61	0.77	0.00	0.00	0.02	0.02
11.63	0.77	0.00	0.00	0.02	0.02	11.65	0.78	0.00	0.00	0.02	0.02
11.67	0.76	0.00	0.00	0.02	0.02	11.69	0.75	0.00	0.00	0.02	0.02
11.71	0.74	0.00	0.00	0.02	0.02	11.73	0.76	0.00	0.00	0.02	0.02
11.75	0.77	0.00	0.00	0.02	0.02	11.77	0.78	0.00	0.00	0.02	0.02
11.79	0.78	0.00	0.00	0.02	0.02	11.81	0.78	0.00	0.00	0.02	0.02
11.83	0.76	0.00	0.00	0.02	0.02	11.85	0.74	0.00	0.00	0.02	0.02
11.87	0.74	0.00	0.00	0.02	0.02	11.89	0.77	0.00	0.00	0.02	0.02
11.91	0.83	0.00	0.00	0.02	0.01	11.93	0.87	0.00	0.00	0.02	0.01
11.95	0.88	0.00	0.00	0.02	0.01	11.97	0.85	0.00	0.00	0.02	0.01
11.99	0.82	0.00	0.00	0.02	0.01	12.01	0.78	0.00	0.00	0.02	0.02
12.03	0.77	0.00	0.00	0.02	0.02	12.05	0.76	0.00	0.00	0.02	0.02
12.07	0.76	0.00	0.00	0.02	0.02	12.09	0.76	0.00	0.00	0.02	0.02
12.11	0.75	0.00	0.00	0.02	0.02	12.13	0.75	0.00	0.00	0.02	0.02
12.15	0.75	0.00	0.00	0.02	0.02	12.16	0.75	0.00	0.00	0.02	0.02
12.18	0.75	0.00	0.00	0.02	0.02	12.20	0.75	0.00	0.00	0.02	0.02
12.22	0.75	0.00	0.00	0.02	0.02	12.24	0.76	0.00	0.00	0.02	0.02
12.26	0.78	0.00	0.00	0.02	0.02	12.28	0.79	0.00	0.00	0.02	0.02
12.30	0.77	0.00	0.00	0.02	0.02	12.32	0.76	0.00	0.00	0.02	0.02
12.34	0.76	0.00	0.00	0.02	0.02	12.36	0.76	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.38	0.76	0.00	0.00	0.02	0.02	12.40	0.76	0.00	0.00	0.02	0.02
12.42	0.78	0.00	0.00	0.02	0.02	12.44	0.83	0.00	0.00	0.02	0.01
12.46	0.87	0.00	0.00	0.02	0.01	12.48	0.89	0.00	0.00	0.02	0.01
12.50	0.90	0.00	0.00	0.02	0.01	12.52	0.94	0.00	0.00	0.02	0.00
12.54	1.00	0.00	0.00	0.02	0.00	12.56	1.06	0.00	0.00	0.02	0.00
12.58	1.13	0.00	0.00	0.02	0.00	12.60	1.22	0.00	0.00	0.02	0.00
12.62	1.30	0.00	0.00	0.02	0.00	12.64	1.37	0.00	0.00	0.02	0.00
12.66	1.37	0.00	0.00	0.02	0.00	12.68	1.35	0.00	0.00	0.02	0.00
12.70	1.35	0.00	0.00	0.02	0.00	12.72	1.35	0.00	0.00	0.02	0.00
12.74	1.35	0.00	0.00	0.02	0.00	12.76	1.22	0.00	0.00	0.02	0.00
12.78	1.10	0.00	0.00	0.02	0.00	12.80	1.02	0.00	0.00	0.02	0.00
12.82	0.94	0.00	0.00	0.02	0.00	12.84	0.90	0.00	0.00	0.02	0.01
12.86	0.88	0.00	0.00	0.02	0.01	12.88	0.87	0.00	0.00	0.02	0.01
12.90	0.87	0.00	0.00	0.02	0.01	12.92	0.87	0.00	0.00	0.02	0.01
12.94	0.87	0.00	0.00	0.02	0.01	12.96	0.89	0.00	0.00	0.02	0.01
12.98	0.89	0.00	0.00	0.02	0.01	13.00	0.89	0.00	0.00	0.02	0.01
13.02	0.87	0.00	0.00	0.02	0.01	13.04	0.87	0.00	0.00	0.02	0.01
13.06	0.88	0.00	0.00	0.02	0.01	13.08	0.88	0.00	0.00	0.02	0.01
13.10	0.90	0.00	0.00	0.02	0.01	13.12	0.93	0.00	0.00	0.02	0.00
13.14	0.98	0.00	0.00	0.02	0.00	13.16	0.99	0.00	0.00	0.02	0.00
13.18	0.98	0.00	0.00	0.02	0.00	13.20	0.94	0.00	0.00	0.02	0.00
13.22	0.90	0.00	0.00	0.02	0.01	13.24	0.88	0.00	0.00	0.02	0.01
13.26	0.87	0.00	0.00	0.02	0.01	13.28	0.86	0.00	0.00	0.02	0.01
13.30	0.86	0.00	0.00	0.02	0.01	13.32	0.86	0.00	0.00	0.02	0.01
13.34	0.88	0.00	0.00	0.02	0.01	13.36	0.91	0.00	0.00	0.02	0.01
13.38	0.99	0.00	0.00	0.02	0.00	13.40	1.06	0.00	0.00	0.02	0.00
13.42	1.10	0.00	0.00	0.02	0.00	13.44	1.12	0.00	0.00	0.02	0.00
13.46	1.10	0.00	0.00	0.02	0.00	13.48	1.03	0.00	0.00	0.02	0.00
13.50	0.91	0.00	0.00	0.02	0.01	13.52	0.82	0.00	0.00	0.02	0.01
13.54	0.77	0.00	0.00	0.02	0.01	13.56	0.74	0.00	0.00	0.02	0.02
13.58	0.73	0.00	0.00	0.02	0.02	13.60	0.72	0.00	0.00	0.02	0.02
13.62	0.72	0.00	0.00	0.02	0.02	13.64	0.72	0.00	0.00	0.02	0.02
13.66	0.72	0.00	0.00	0.02	0.02	13.68	0.72	0.00	0.00	0.02	0.02
13.70	0.72	0.00	0.00	0.02	0.02	13.72	0.73	0.00	0.00	0.02	0.02
13.74	0.75	0.00	0.00	0.02	0.02	13.76	0.79	0.00	0.00	0.02	0.01
13.78	0.80	0.00	0.00	0.02	0.01	13.80	0.75	0.00	0.00	0.02	0.02
13.82	0.73	0.00	0.00	0.02	0.02	13.84	0.72	0.00	0.00	0.02	0.02
13.86	0.73	0.00	0.00	0.02	0.02	13.88	0.74	0.00	0.00	0.02	0.02
13.90	0.74	0.00	0.00	0.02	0.02	13.92	0.74	0.00	0.00	0.02	0.02
13.94	0.74	0.00	0.00	0.02	0.02	13.96	0.74	0.00	0.00	0.02	0.02
13.98	0.74	0.00	0.00	0.02	0.02	14.00	0.74	0.00	0.00	0.02	0.02
14.02	0.77	0.00	0.00	0.02	0.01	14.04	0.82	0.00	0.00	0.02	0.01
14.05	0.91	0.00	0.00	0.02	0.01	14.07	0.98	0.00	0.00	0.02	0.00
14.09	1.09	0.00	0.00	0.02	0.00	14.11	1.15	0.00	0.00	0.02	0.00
14.13	1.13	0.00	0.00	0.02	0.00	14.15	1.04	0.00	0.00	0.02	0.00
14.17	0.93	0.00	0.00	0.02	0.00	14.19	0.89	0.00	0.00	0.02	0.01
14.21	0.88	0.00	0.00	0.02	0.01	14.23	0.88	0.00	0.00	0.02	0.01
14.25	0.88	0.00	0.00	0.02	0.01	14.27	0.89	0.00	0.00	0.02	0.01
14.29	0.91	0.00	0.00	0.02	0.01	14.31	0.97	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.33	1.03	0.00	0.00	0.02	0.00	14.35	1.04	0.00	0.00	0.02	0.00
14.37	1.03	0.00	0.00	0.02	0.00	14.39	0.93	0.00	0.00	0.02	0.00
14.41	0.85	0.00	0.00	0.02	0.01	14.43	0.80	0.00	0.00	0.02	0.01
14.45	0.80	0.00	0.00	0.02	0.01	14.47	0.80	0.00	0.00	0.02	0.01
14.49	0.80	0.00	0.00	0.02	0.01	14.51	0.80	0.00	0.00	0.02	0.01
14.53	0.85	0.00	0.00	0.02	0.01	14.55	0.92	0.00	0.00	0.02	0.00
14.57	1.00	0.00	0.00	0.02	0.00	14.59	1.06	0.00	0.00	0.02	0.00
14.61	1.08	0.00	0.00	0.02	0.00	14.63	1.13	0.00	0.00	0.02	0.00
14.65	1.21	0.00	0.00	0.02	0.00	14.67	1.26	0.00	0.00	0.02	0.00
14.69	1.22	0.00	0.00	0.02	0.00	14.71	1.14	0.00	0.00	0.02	0.00
14.73	1.14	0.00	0.00	0.02	0.00	14.75	1.13	0.00	0.00	0.02	0.00
14.77	1.13	0.00	0.00	0.02	0.00	14.79	1.10	0.00	0.00	0.02	0.00
14.81	1.07	0.00	0.00	0.02	0.00	14.83	1.02	0.00	0.00	0.02	0.00
14.85	0.94	0.00	0.00	0.02	0.00	14.87	0.92	0.00	0.00	0.02	0.00
14.89	0.91	0.00	0.00	0.02	0.00	14.91	0.91	0.00	0.00	0.02	0.00
14.93	0.91	0.00	0.00	0.02	0.00	14.95	0.95	0.00	0.00	0.02	0.00
14.97	0.99	0.00	0.00	0.02	0.00	14.99	1.02	0.00	0.00	0.02	0.00
15.01	1.01	0.00	0.00	0.02	0.00	15.03	0.98	0.00	0.00	0.02	0.00
15.05	0.93	0.00	0.00	0.02	0.00	15.07	0.87	0.00	0.00	0.02	0.01
15.09	0.82	0.00	0.00	0.02	0.01	15.11	0.79	0.00	0.00	0.02	0.01
15.13	0.78	0.00	0.00	0.02	0.01	15.15	0.80	0.00	0.00	0.02	0.01
15.17	0.82	0.00	0.00	0.02	0.01	15.19	0.87	0.00	0.00	0.02	0.01
15.21	0.95	0.00	0.00	0.02	0.00	15.23	1.02	0.00	0.00	0.02	0.00
15.25	0.99	0.00	0.00	0.02	0.00	15.27	0.92	0.00	0.00	0.02	0.00
15.29	0.87	0.00	0.00	0.02	0.01	15.31	2.00	0.00	0.00	0.02	0.00
15.33	2.00	0.00	0.00	0.02	0.00	15.34	2.00	0.00	0.00	0.02	0.00
15.36	2.00	0.00	0.00	0.02	0.00	15.38	2.00	0.00	0.00	0.02	0.00
15.40	2.00	0.00	0.00	0.02	0.00	15.42	2.00	0.00	0.00	0.02	0.00
15.44	2.00	0.00	0.00	0.02	0.00	15.46	2.00	0.00	0.00	0.02	0.00
15.48	0.85	0.00	0.00	0.02	0.01	15.50	0.92	0.00	0.00	0.02	0.00
15.52	0.94	0.00	0.00	0.02	0.00	15.54	0.95	0.00	0.00	0.02	0.00
15.56	0.97	0.00	0.00	0.02	0.00	15.58	1.03	0.00	0.00	0.02	0.00
15.60	1.06	0.00	0.00	0.02	0.00	15.62	1.02	0.00	0.00	0.02	0.00
15.64	0.96	0.00	0.00	0.02	0.00	15.66	0.92	0.00	0.00	0.02	0.00
15.68	0.95	0.00	0.00	0.02	0.00	15.70	0.99	0.00	0.00	0.02	0.00
15.72	1.02	0.00	0.00	0.02	0.00	15.74	1.00	0.00	0.00	0.02	0.00
15.76	0.97	0.00	0.00	0.02	0.00	15.78	0.95	0.00	0.00	0.02	0.00
15.80	0.95	0.00	0.00	0.02	0.00	15.82	0.93	0.00	0.00	0.02	0.00
15.84	0.91	0.00	0.00	0.02	0.00	15.86	0.86	0.00	0.00	0.02	0.01
15.88	0.86	0.00	0.00	0.02	0.01	15.90	0.86	0.00	0.00	0.02	0.01
15.92	0.86	0.00	0.00	0.02	0.01	15.94	0.84	0.00	0.00	0.02	0.01
15.96	0.83	0.00	0.00	0.02	0.01	15.98	0.80	0.00	0.00	0.02	0.01
16.00	0.80	0.00	0.00	0.02	0.01	16.02	0.82	0.00	0.00	0.02	0.01
16.04	0.83	0.00	0.00	0.02	0.01	16.06	0.82	0.00	0.00	0.02	0.01
16.08	0.80	0.00	0.00	0.02	0.01	16.10	0.79	0.00	0.00	0.02	0.01
16.12	0.77	0.00	0.00	0.02	0.01	16.14	0.77	0.00	0.00	0.02	0.01
16.16	0.79	0.00	0.00	0.02	0.01	16.18	0.80	0.00	0.00	0.02	0.01
16.20	0.82	0.00	0.00	0.02	0.01	16.22	0.84	0.00	0.00	0.02	0.01
16.24	0.85	0.00	0.00	0.02	0.01	16.26	0.86	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.28	0.86	0.00	0.00	0.02	0.01	16.29	0.84	0.00	0.00	0.02	0.01
16.31	0.84	0.00	0.00	0.02	0.01	16.33	0.84	0.00	0.00	0.02	0.01
16.35	0.86	0.00	0.00	0.02	0.01	16.37	0.83	0.00	0.00	0.02	0.01
16.39	0.82	0.00	0.00	0.02	0.01	16.41	0.81	0.00	0.00	0.02	0.01
16.43	0.81	0.00	0.00	0.02	0.01	16.45	0.81	0.00	0.00	0.02	0.01
16.47	0.81	0.00	0.00	0.02	0.01	16.49	0.83	0.00	0.00	0.02	0.01
16.51	0.83	0.00	0.00	0.02	0.01	16.53	0.84	0.00	0.00	0.02	0.01
16.55	0.84	0.00	0.00	0.02	0.01	16.57	0.85	0.00	0.00	0.02	0.01
16.59	0.85	0.00	0.00	0.02	0.01	16.61	0.86	0.00	0.00	0.02	0.00
16.63	0.87	0.00	0.00	0.02	0.00	16.65	0.88	0.00	0.00	0.02	0.00
16.67	0.88	0.00	0.00	0.02	0.00	16.69	0.88	0.00	0.00	0.02	0.00
16.71	0.88	0.00	0.00	0.02	0.00	16.73	0.88	0.00	0.00	0.02	0.00
16.75	0.87	0.00	0.00	0.02	0.00	16.77	0.84	0.00	0.00	0.02	0.00
16.79	0.82	0.00	0.00	0.02	0.01	16.81	0.83	0.00	0.00	0.02	0.01
16.83	0.95	0.00	0.00	0.02	0.00	16.85	0.85	0.00	0.00	0.02	0.00
16.87	0.85	0.00	0.00	0.02	0.00	16.89	0.85	0.00	0.00	0.02	0.00
16.91	0.86	0.00	0.00	0.02	0.00	16.93	0.85	0.00	0.00	0.02	0.00
16.95	0.84	0.00	0.00	0.02	0.00	16.97	0.81	0.00	0.00	0.02	0.01
16.99	0.84	0.00	0.00	0.02	0.00	17.01	0.83	0.00	0.00	0.02	0.01
17.03	0.84	0.00	0.00	0.02	0.00	17.05	0.89	0.00	0.00	0.02	0.00
17.07	0.94	0.00	0.00	0.02	0.00	17.09	0.93	0.00	0.00	0.02	0.00
17.11	0.93	0.00	0.00	0.02	0.00	17.12	0.93	0.00	0.00	0.02	0.00
17.14	0.93	0.00	0.00	0.02	0.00	17.16	0.94	0.00	0.00	0.02	0.00
17.18	0.93	0.00	0.00	0.02	0.00	17.20	0.92	0.00	0.00	0.02	0.00
17.22	0.91	0.00	0.00	0.02	0.00	17.24	0.91	0.00	0.00	0.02	0.00
17.26	0.90	0.00	0.00	0.02	0.00	17.28	0.90	0.00	0.00	0.02	0.00
17.30	0.90	0.00	0.00	0.02	0.00	17.32	0.89	0.00	0.00	0.02	0.00
17.34	0.88	0.00	0.00	0.02	0.00	17.36	0.88	0.00	0.00	0.02	0.00
17.38	0.88	0.00	0.00	0.02	0.00	17.40	0.87	0.00	0.00	0.02	0.00
17.42	0.87	0.00	0.00	0.02	0.00	17.44	0.87	0.00	0.00	0.02	0.00
17.46	0.87	0.00	0.00	0.02	0.00	17.48	0.87	0.00	0.00	0.02	0.00
17.50	0.87	0.00	0.00	0.02	0.00	17.52	0.87	0.00	0.00	0.02	0.00
17.54	0.89	0.00	0.00	0.02	0.00	17.56	0.90	0.00	0.00	0.02	0.00
17.58	0.91	0.00	0.00	0.02	0.00	17.60	0.90	0.00	0.00	0.02	0.00
17.62	0.89	0.00	0.00	0.02	0.00	17.64	0.88	0.00	0.00	0.02	0.00
17.66	0.87	0.00	0.00	0.02	0.00	17.68	0.86	0.00	0.00	0.02	0.00
17.70	0.85	0.00	0.00	0.02	0.00	17.72	0.84	0.00	0.00	0.02	0.00
17.74	0.84	0.00	0.00	0.02	0.00	17.76	0.85	0.00	0.00	0.02	0.00
17.78	0.86	0.00	0.00	0.02	0.00	17.80	0.88	0.00	0.00	0.02	0.00
17.82	0.93	0.00	0.00	0.02	0.00	17.84	0.88	0.00	0.00	0.02	0.00
17.86	0.88	0.00	0.00	0.02	0.00	17.88	0.88	0.00	0.00	0.02	0.00
17.89	0.88	0.00	0.00	0.02	0.00	17.91	0.88	0.00	0.00	0.02	0.00
17.93	0.88	0.00	0.00	0.02	0.00	17.95	0.88	0.00	0.00	0.02	0.00
17.97	0.88	0.00	0.00	0.02	0.00	17.99	0.88	0.00	0.00	0.02	0.00
18.01	0.88	0.00	0.00	0.02	0.00	18.03	0.87	0.00	0.00	0.02	0.00
18.05	0.87	0.00	0.00	0.02	0.00	18.07	0.87	0.00	0.00	0.02	0.00
18.09	0.87	0.00	0.00	0.02	0.00	18.11	0.86	0.00	0.00	0.02	0.00
18.13	0.86	0.00	0.00	0.02	0.00	18.15	0.86	0.00	0.00	0.02	0.00
18.17	0.85	0.00	0.00	0.02	0.00	18.19	0.85	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.21	0.85	0.00	0.00	0.02	0.00	18.23	0.85	0.00	0.00	0.02	0.00
18.25	0.85	0.00	0.00	0.02	0.00	18.27	0.85	0.00	0.00	0.02	0.00
18.29	0.86	0.00	0.00	0.02	0.00	18.31	0.86	0.00	0.00	0.02	0.00
18.33	0.86	0.00	0.00	0.02	0.00	18.35	0.86	0.00	0.00	0.02	0.00
18.37	0.86	0.00	0.00	0.02	0.00	18.39	0.86	0.00	0.00	0.02	0.00
18.41	0.87	0.00	0.00	0.02	0.00	18.43	0.88	0.00	0.00	0.02	0.00
18.45	0.89	0.00	0.00	0.02	0.00	18.47	0.90	0.00	0.00	0.02	0.00
18.49	0.90	0.00	0.00	0.02	0.00	18.51	0.89	0.00	0.00	0.02	0.00
18.53	0.87	0.00	0.00	0.02	0.00	18.55	0.87	0.00	0.00	0.02	0.00
18.57	0.86	0.00	0.00	0.02	0.00	18.58	0.86	0.00	0.00	0.02	0.00
18.60	0.87	0.00	0.00	0.02	0.00	18.62	0.87	0.00	0.00	0.02	0.00
18.64	0.89	0.00	0.00	0.02	0.00	18.66	0.88	0.00	0.00	0.02	0.00
18.68	0.87	0.00	0.00	0.02	0.00	18.70	0.87	0.00	0.00	0.02	0.00
18.72	0.87	0.00	0.00	0.02	0.00	18.74	0.88	0.00	0.00	0.02	0.00
18.76	0.87	0.00	0.00	0.02	0.00	18.78	0.88	0.00	0.00	0.02	0.00
18.80	0.96	0.00	0.00	0.02	0.00	18.82	0.92	0.00	0.00	0.02	0.00
18.84	0.92	0.00	0.00	0.02	0.00	18.86	0.92	0.00	0.00	0.02	0.00
18.88	0.92	0.00	0.00	0.02	0.00	18.90	0.92	0.00	0.00	0.02	0.00
18.92	0.92	0.00	0.00	0.02	0.00	18.94	0.92	0.00	0.00	0.02	0.00
18.96	0.92	0.00	0.00	0.02	0.00	18.98	0.92	0.00	0.00	0.02	0.00
19.00	0.93	0.00	0.00	0.02	0.00	19.02	0.94	0.00	0.00	0.02	0.00
19.04	0.95	0.00	0.00	0.02	0.00	19.06	0.95	0.00	0.00	0.02	0.00
19.08	0.95	0.00	0.00	0.02	0.00	19.10	0.95	0.00	0.00	0.02	0.00
19.12	0.96	0.00	0.00	0.02	0.00	19.14	0.96	0.00	0.00	0.02	0.00
19.16	0.96	0.00	0.00	0.02	0.00	19.18	0.96	0.00	0.00	0.02	0.00
19.20	0.96	0.00	0.00	0.02	0.00	19.22	0.95	0.00	0.00	0.02	0.00
19.23	0.95	0.00	0.00	0.02	0.00	19.25	0.95	0.00	0.00	0.02	0.00
19.27	0.94	0.00	0.00	0.02	0.00	19.29	0.92	0.00	0.00	0.02	0.00
19.31	0.91	0.00	0.00	0.02	0.00	19.33	0.90	0.00	0.00	0.02	0.00
19.35	0.90	0.00	0.00	0.02	0.00	19.37	0.90	0.00	0.00	0.02	0.00
19.39	0.90	0.00	0.00	0.02	0.00	19.41	0.90	0.00	0.00	0.02	0.00
19.43	0.90	0.00	0.00	0.02	0.00	19.45	0.91	0.00	0.00	0.02	0.00
19.47	0.91	0.00	0.00	0.02	0.00	19.49	0.91	0.00	0.00	0.02	0.00
19.51	0.90	0.00	0.00	0.02	0.00	19.53	0.90	0.00	0.00	0.02	0.00
19.55	0.90	0.00	0.00	0.02	0.00	19.57	0.90	0.00	0.00	0.02	0.00
19.59	0.90	0.00	0.00	0.02	0.00	19.61	0.90	0.00	0.00	0.02	0.00
19.63	0.91	0.00	0.00	0.02	0.00	19.65	0.91	0.00	0.00	0.02	0.00
19.67	0.92	0.00	0.00	0.02	0.00	19.69	0.91	0.00	0.00	0.02	0.00
19.71	0.91	0.00	0.00	0.02	0.00	19.73	0.91	0.00	0.00	0.02	0.00
19.75	0.91	0.00	0.00	0.02	0.00	19.77	0.90	0.00	0.00	0.02	0.00

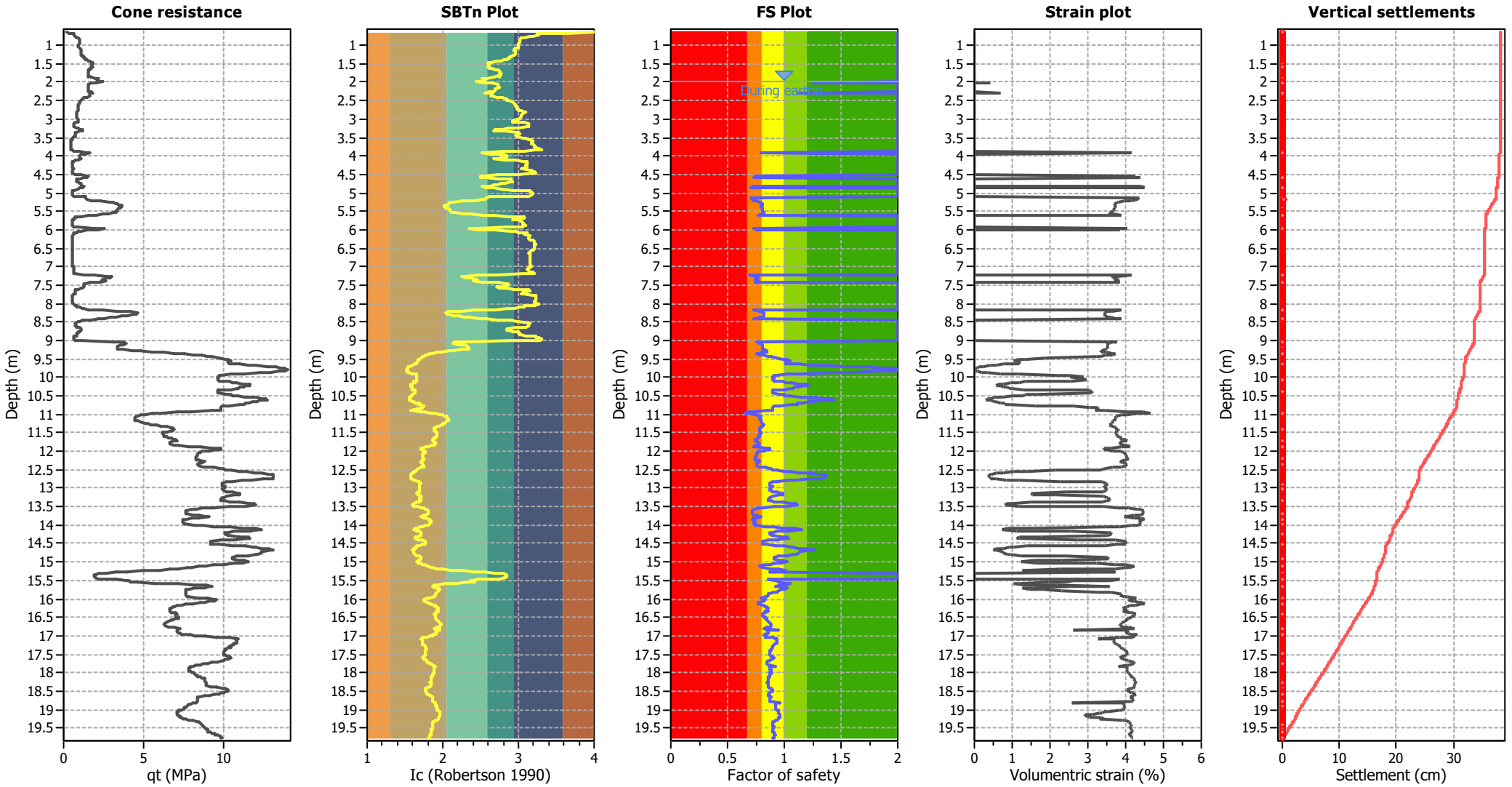
Overall liquefaction potential: 5.44

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.64	4.02	2.44	50.57	123.56	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.66	3.64	4.89	27.14	132.69	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.68	3.26	9.78	14.13	138.25	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.70	3.27	9.61	14.50	139.27	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.72	3.27	9.71	14.29	138.77	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.74	3.20	10.89	12.73	138.64	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.76	3.16	11.80	11.76	138.70	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.78	3.08	13.64	10.22	139.39	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.80	3.04	14.97	9.51	142.42	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.82	3.01	16.27	9.00	146.40	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.84	3.02	16.62	9.05	150.35	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.86	3.02	16.65	9.06	150.85	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.88	3.01	16.59	9.01	149.59	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.90	3.01	16.31	9.01	147.00	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.92	3.01	15.91	9.00	143.23	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.94	3.00	15.71	8.84	138.92	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.96	3.00	15.34	8.85	135.74	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.98	3.01	15.16	8.92	135.20	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.00	3.01	15.18	8.88	134.76	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.02	3.00	15.19	8.86	134.61	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.04	3.00	15.27	8.83	134.90	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.06	2.99	15.62	8.63	134.74	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.08	2.97	16.39	8.26	135.36	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.10	2.95	17.29	7.99	138.12	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.12	2.95	17.40	7.90	137.54	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.14	2.96	17.35	8.11	140.60	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.16	2.95	17.69	7.99	141.25	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.18	2.95	17.60	8.01	140.98	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.20	2.96	17.60	8.06	141.82	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.22	2.95	17.60	8.02	141.21	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.24	2.95	17.64	8.00	141.18	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.26	2.95	17.75	7.95	141.04	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.28	2.91	18.80	7.41	139.40	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.30	2.91	19.11	7.29	139.26	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.32	2.89	20.09	7.06	141.89	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.34	2.89	20.91	7.04	147.13	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.36	2.87	21.81	6.84	149.17	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.38	2.84	22.78	6.41	146.06	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.40	2.80	23.80	5.84	139.07	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.42	2.76	24.45	5.39	131.76	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.44	2.70	26.22	4.74	124.20	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.46	2.64	28.51	4.13	117.60	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.48	2.60	30.00	3.76	112.85	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.50	2.59	29.90	3.71	110.81	30	42869	0.10	0.007	0.00	3.58	0.00	0.000
1.52	2.61	29.07	3.82	111.12	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.54	2.61	28.89	3.85	111.23	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.56	2.61	28.81	3.86	111.20	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.58	2.61	28.73	3.88	111.33	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.60	2.60	29.57	3.72	110.05	30	42490	0.10	0.007	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.62	2.62	28.32	3.95	111.97	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.64	2.65	27.28	4.18	114.01	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.66	2.69	25.91	4.56	118.12	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.68	2.74	24.78	5.11	126.72	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.70	2.75	24.65	5.31	130.86	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.72	2.75	24.59	5.28	129.75	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.74	2.76	24.58	5.33	131.11	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.76	2.76	24.60	5.38	132.38	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.78	2.77	24.63	5.44	133.86	0	0	0.11	0.000	0.00	0.00	0.00	0.000
1.80	2.77	24.60	5.54	136.22	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.87	2.75	24.61	5.29	130.17	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.87	2.75	24.64	5.22	128.54	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.82	2.72	25.50	4.95	126.24	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.88	2.67	27.66	4.43	122.46	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.90	2.57	32.61	3.52	114.68	31	45426	0.10	0.008	0.00	3.58	0.00	0.000
1.92	2.53	35.44	3.17	112.48	29	46667	0.10	0.008	0.00	3.58	0.00	0.000
1.94	2.56	34.19	3.39	115.88	31	46672	0.10	0.008	0.00	3.58	0.00	0.000
1.96	2.56	34.41	3.46	118.97	32	47484	0.10	0.008	0.00	3.58	0.00	0.000
1.98	2.53	36.80	3.19	117.47	31	48613	0.10	0.008	0.00	3.58	0.00	0.000
2.00	2.45	40.52	2.63	106.73	27	48149	0.10	0.008	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	93.02	1.25	0.43	1.00	0.01	2.04	27.84	2.00	0.00	1.00	0.00
2.06	24.42	2.00	0.00	1.00	0.00	2.08	24.41	2.00	0.00	1.00	0.00
2.10	24.40	2.00	0.00	1.00	0.00	2.12	24.25	2.00	0.00	1.00	0.00
2.14	24.18	2.00	0.00	1.00	0.00	2.16	24.19	2.00	0.00	1.00	0.00
2.18	24.20	2.00	0.00	1.00	0.00	2.20	24.26	2.00	0.00	1.00	0.00
2.22	24.37	2.00	0.00	1.00	0.00	2.24	24.90	2.00	0.00	1.00	0.00
2.26	27.25	2.00	0.00	1.00	0.00	2.28	88.80	1.12	0.71	1.00	0.01
2.30	26.21	2.00	0.00	1.00	0.00	2.32	26.12	2.00	0.00	1.00	0.00
2.34	26.03	2.00	0.00	1.00	0.00	2.36	26.15	2.00	0.00	1.00	0.00
2.38	25.94	2.00	0.00	1.00	0.00	2.40	23.32	2.00	0.00	1.00	0.00
2.42	20.82	2.00	0.00	1.00	0.00	2.44	18.99	2.00	0.00	1.00	0.00
2.46	18.10	2.00	0.00	1.00	0.00	2.48	17.66	2.00	0.00	1.00	0.00
2.50	17.25	2.00	0.00	1.00	0.00	2.52	15.50	2.00	0.00	1.00	0.00
2.54	15.45	2.00	0.00	1.00	0.00	2.56	15.40	2.00	0.00	1.00	0.00
2.58	15.03	2.00	0.00	1.00	0.00	2.60	14.75	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.62	14.61	2.00	0.00	1.00	0.00	2.64	14.58	2.00	0.00	1.00	0.00
2.66	14.57	2.00	0.00	1.00	0.00	2.68	14.56	2.00	0.00	1.00	0.00
2.70	14.54	2.00	0.00	1.00	0.00	2.72	14.51	2.00	0.00	1.00	0.00
2.74	14.52	2.00	0.00	1.00	0.00	2.76	14.67	2.00	0.00	1.00	0.00
2.78	13.54	2.00	0.00	1.00	0.00	2.80	12.34	2.00	0.00	1.00	0.00
2.82	11.96	2.00	0.00	1.00	0.00	2.84	11.87	2.00	0.00	1.00	0.00
2.86	11.79	2.00	0.00	1.00	0.00	2.88	11.78	2.00	0.00	1.00	0.00
2.90	11.75	2.00	0.00	1.00	0.00	2.92	11.72	2.00	0.00	1.00	0.00
2.94	11.70	2.00	0.00	1.00	0.00	2.96	12.04	2.00	0.00	1.00	0.00
2.98	12.38	2.00	0.00	1.00	0.00	3.00	13.01	2.00	0.00	1.00	0.00
3.02	13.60	2.00	0.00	1.00	0.00	3.04	14.08	2.00	0.00	1.00	0.00
3.06	13.57	2.00	0.00	1.00	0.00	3.08	13.13	2.00	0.00	1.00	0.00
3.10	10.11	2.00	0.00	1.00	0.00	3.12	9.20	2.00	0.00	1.00	0.00
3.14	9.11	2.00	0.00	1.00	0.00	3.16	9.09	2.00	0.00	1.00	0.00
3.18	9.18	2.00	0.00	1.00	0.00	3.20	9.28	2.00	0.00	1.00	0.00
3.22	9.73	2.00	0.00	1.00	0.00	3.24	11.54	2.00	0.00	1.00	0.00
3.26	13.50	2.00	0.00	1.00	0.00	3.28	15.32	2.00	0.00	1.00	0.00
3.30	17.41	2.00	0.00	1.00	0.00	3.32	18.24	2.00	0.00	1.00	0.00
3.34	14.25	2.00	0.00	1.00	0.00	3.36	11.36	2.00	0.00	1.00	0.00
3.38	10.87	2.00	0.00	1.00	0.00	3.40	10.63	2.00	0.00	1.00	0.00
3.42	10.38	2.00	0.00	1.00	0.00	3.44	10.50	2.00	0.00	1.00	0.00
3.46	9.83	2.00	0.00	1.00	0.00	3.48	9.09	2.00	0.00	1.00	0.00
3.50	8.16	2.00	0.00	1.00	0.00	3.52	7.44	2.00	0.00	1.00	0.00
3.54	6.99	2.00	0.00	1.00	0.00	3.56	6.65	2.00	0.00	1.00	0.00
3.59	6.47	2.00	0.00	1.00	0.00	3.60	6.43	2.00	0.00	1.00	0.00
3.62	6.42	2.00	0.00	1.00	0.00	3.64	6.41	2.00	0.00	1.00	0.00
3.66	6.40	2.00	0.00	1.00	0.00	3.68	6.38	2.00	0.00	1.00	0.00
3.70	6.36	2.00	0.00	1.00	0.00	3.72	6.35	2.00	0.00	1.00	0.00
3.74	6.34	2.00	0.00	1.00	0.00	3.76	6.33	2.00	0.00	1.00	0.00
3.78	6.32	2.00	0.00	1.00	0.00	3.80	6.32	2.00	0.00	1.00	0.00
3.82	6.34	2.00	0.00	1.00	0.00	3.84	7.04	2.00	0.00	1.00	0.00
3.86	8.70	2.00	0.00	1.00	0.00	3.88	13.78	2.00	0.00	1.00	0.00
3.90	76.88	0.80	4.16	1.00	0.08	3.92	79.64	0.82	4.03	1.00	0.08
3.94	19.38	2.00	0.00	1.00	0.00	3.96	15.29	2.00	0.00	1.00	0.00
3.98	14.17	2.00	0.00	1.00	0.00	4.00	13.98	2.00	0.00	1.00	0.00
4.02	13.80	2.00	0.00	1.00	0.00	4.04	14.20	2.00	0.00	1.00	0.00
4.06	13.63	2.00	0.00	1.00	0.00	4.08	15.28	2.00	0.00	1.00	0.00
4.10	12.19	2.00	0.00	1.00	0.00	4.12	9.67	2.00	0.00	1.00	0.00
4.14	8.33	2.00	0.00	1.00	0.00	4.16	7.64	2.00	0.00	1.00	0.00
4.18	7.31	2.00	0.00	1.00	0.00	4.20	7.17	2.00	0.00	1.00	0.00
4.22	7.29	2.00	0.00	1.00	0.00	4.24	7.41	2.00	0.00	1.00	0.00
4.26	7.35	2.00	0.00	1.00	0.00	4.28	7.35	2.00	0.00	1.00	0.00
4.30	7.35	2.00	0.00	1.00	0.00	4.32	7.48	2.00	0.00	1.00	0.00
4.34	8.03	2.00	0.00	1.00	0.00	4.36	7.95	2.00	0.00	1.00	0.00
4.38	6.87	2.00	0.00	1.00	0.00	4.40	6.82	2.00	0.00	1.00	0.00
4.42	6.80	2.00	0.00	1.00	0.00	4.44	6.81	2.00	0.00	1.00	0.00
4.46	6.82	2.00	0.00	1.00	0.00	4.48	7.41	2.00	0.00	1.00	0.00
4.50	9.53	2.00	0.00	1.00	0.00	4.52	14.59	2.00	0.00	1.00	0.00
4.54	75.29	0.75	4.25	1.00	0.08	4.56	76.19	0.75	4.20	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.58	74.95	0.74	4.27	1.00	0.09	4.60	72.88	0.73	4.38	1.00	0.09
4.62	13.84	2.00	0.00	1.00	0.00	4.64	10.55	2.00	0.00	1.00	0.00
4.66	10.54	2.00	0.00	1.00	0.00	4.68	10.54	2.00	0.00	1.00	0.00
4.70	10.63	2.00	0.00	1.00	0.00	4.72	11.44	2.00	0.00	1.00	0.00
4.74	13.15	2.00	0.00	1.00	0.00	4.76	14.61	2.00	0.00	1.00	0.00
4.78	14.23	2.00	0.00	1.00	0.00	4.80	15.07	2.00	0.00	1.00	0.00
4.82	15.90	2.00	0.00	1.00	0.00	4.84	71.96	0.71	4.43	1.00	0.09
4.86	70.72	0.70	4.51	1.00	0.09	4.88	13.52	2.00	0.00	1.00	0.00
4.90	11.52	2.00	0.00	1.00	0.00	4.92	8.79	2.00	0.00	1.00	0.00
4.94	6.50	2.00	0.00	1.00	0.00	4.96	6.48	2.00	0.00	1.00	0.00
4.98	6.47	2.00	0.00	1.00	0.00	5.00	6.46	2.00	0.00	1.00	0.00
5.02	6.46	2.00	0.00	1.00	0.00	5.04	6.53	2.00	0.00	1.00	0.00
5.06	6.74	2.00	0.00	1.00	0.00	5.08	8.08	2.00	0.00	1.00	0.00
5.10	17.36	2.00	0.00	1.00	0.00	5.12	73.35	0.71	4.35	1.00	0.09
5.14	73.32	0.71	4.36	1.00	0.09	5.16	73.95	0.71	4.32	1.00	0.09
5.19	74.45	0.72	4.29	1.00	0.13	5.20	76.88	0.73	4.16	1.00	0.04
5.22	80.95	0.76	3.96	1.00	0.08	5.24	84.40	0.79	3.81	1.00	0.08
5.26	84.81	0.79	3.79	1.00	0.08	5.28	85.79	0.80	3.75	1.00	0.07
5.30	86.66	0.80	3.71	1.00	0.07	5.32	86.35	0.80	3.72	1.00	0.07
5.34	86.10	0.80	3.73	1.00	0.07	5.36	85.94	0.80	3.74	1.00	0.07
5.38	86.15	0.80	3.73	1.00	0.07	5.40	86.66	0.80	3.71	1.00	0.07
5.42	87.46	0.81	3.68	1.00	0.07	5.44	87.40	0.81	3.68	1.00	0.07
5.46	87.44	0.81	3.68	1.00	0.07	5.48	87.48	0.81	3.67	1.00	0.07
5.50	87.64	0.81	3.67	1.00	0.07	5.52	88.65	0.82	3.63	1.00	0.07
5.54	89.91	0.83	3.58	1.00	0.07	5.56	89.72	0.82	3.58	1.00	0.07
5.58	87.17	0.80	3.69	1.00	0.07	5.60	82.98	0.77	3.87	1.00	0.08
5.62	19.91	2.00	0.00	1.00	0.00	5.64	13.73	2.00	0.00	1.00	0.00
5.66	9.36	2.00	0.00	1.00	0.00	5.68	8.72	2.00	0.00	1.00	0.00
5.70	8.09	2.00	0.00	1.00	0.00	5.72	8.11	2.00	0.00	1.00	0.00
5.74	6.99	2.00	0.00	1.00	0.00	5.76	6.57	2.00	0.00	1.00	0.00
5.78	6.42	2.00	0.00	1.00	0.00	5.80	6.19	2.00	0.00	1.00	0.00
5.82	6.07	2.00	0.00	1.00	0.00	5.84	6.04	2.00	0.00	1.00	0.00
5.86	6.08	2.00	0.00	1.00	0.00	5.88	6.12	2.00	0.00	1.00	0.00
5.90	6.34	2.00	0.00	1.00	0.00	5.92	6.80	2.00	0.00	1.00	0.00
5.94	10.47	2.00	0.00	1.00	0.00	5.96	79.13	0.73	4.05	1.00	0.08
5.98	86.98	0.79	3.70	1.00	0.07	6.00	83.63	0.76	3.84	1.00	0.08
6.02	18.56	2.00	0.00	1.00	0.00	6.04	13.20	2.00	0.00	1.00	0.00
6.06	11.58	2.00	0.00	1.00	0.00	6.08	9.98	2.00	0.00	1.00	0.00
6.10	7.99	2.00	0.00	1.00	0.00	6.12	7.40	2.00	0.00	1.00	0.00
6.14	7.08	2.00	0.00	1.00	0.00	6.16	6.22	2.00	0.00	1.00	0.00
6.18	6.19	2.00	0.00	1.00	0.00	6.20	6.19	2.00	0.00	1.00	0.00
6.22	6.18	2.00	0.00	1.00	0.00	6.24	6.18	2.00	0.00	1.00	0.00
6.26	6.17	2.00	0.00	1.00	0.00	6.28	5.94	2.00	0.00	1.00	0.00
6.30	5.75	2.00	0.00	1.00	0.00	6.32	5.73	2.00	0.00	1.00	0.00
6.34	5.72	2.00	0.00	1.00	0.00	6.36	5.73	2.00	0.00	1.00	0.00
6.38	5.73	2.00	0.00	1.00	0.00	6.40	5.77	2.00	0.00	1.00	0.00
6.42	5.70	2.00	0.00	1.00	0.00	6.44	5.70	2.00	0.00	1.00	0.00
6.46	5.69	2.00	0.00	1.00	0.00	6.48	5.68	2.00	0.00	1.00	0.00
6.50	5.68	2.00	0.00	1.00	0.00	6.52	5.70	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.54	5.82	2.00	0.00	1.00	0.00	6.56	5.84	2.00	0.00	1.00	0.00
6.58	5.93	2.00	0.00	1.00	0.00	6.60	5.86	2.00	0.00	1.00	0.00
6.62	6.07	2.00	0.00	1.00	0.00	6.64	5.76	2.00	0.00	1.00	0.00
6.66	5.75	2.00	0.00	1.00	0.00	6.68	5.75	2.00	0.00	1.00	0.00
6.70	5.74	2.00	0.00	1.00	0.00	6.72	5.74	2.00	0.00	1.00	0.00
6.74	5.76	2.00	0.00	1.00	0.00	6.76	5.76	2.00	0.00	1.00	0.00
6.78	5.78	2.00	0.00	1.00	0.00	6.80	5.76	2.00	0.00	1.00	0.00
6.82	5.76	2.00	0.00	1.00	0.00	6.84	5.76	2.00	0.00	1.00	0.00
6.86	5.76	2.00	0.00	1.00	0.00	6.88	5.83	2.00	0.00	1.00	0.00
6.90	5.90	2.00	0.00	1.00	0.00	6.92	5.91	2.00	0.00	1.00	0.00
6.94	5.92	2.00	0.00	1.00	0.00	6.96	6.01	2.00	0.00	1.00	0.00
6.98	5.94	2.00	0.00	1.00	0.00	7.00	6.02	2.00	0.00	1.00	0.00
7.02	6.08	2.00	0.00	1.00	0.00	7.04	6.39	2.00	0.00	1.00	0.00
7.06	6.59	2.00	0.00	1.00	0.00	7.08	6.45	2.00	0.00	1.00	0.00
7.10	6.41	2.00	0.00	1.00	0.00	7.12	6.39	2.00	0.00	1.00	0.00
7.14	6.38	2.00	0.00	1.00	0.00	7.16	6.43	2.00	0.00	1.00	0.00
7.18	6.49	2.00	0.00	1.00	0.00	7.20	8.04	2.00	0.00	1.00	0.00
7.22	14.28	2.00	0.00	1.00	0.00	7.24	76.98	0.69	4.16	1.00	0.08
7.26	84.89	0.75	3.78	1.00	0.08	7.28	88.03	0.78	3.65	1.00	0.07
7.30	87.93	0.77	3.66	1.00	0.07	7.32	86.33	0.76	3.72	1.00	0.07
7.34	84.99	0.75	3.78	1.00	0.08	7.36	84.59	0.75	3.80	1.00	0.08
7.38	84.18	0.74	3.82	1.00	0.08	7.40	87.31	0.77	3.68	1.00	0.07
7.42	83.47	0.74	3.85	1.00	0.08	7.44	18.78	2.00	0.00	1.00	0.00
7.46	15.87	2.00	0.00	1.00	0.00	7.48	14.64	2.00	0.00	1.00	0.00
7.50	14.50	2.00	0.00	1.00	0.00	7.52	14.43	2.00	0.00	1.00	0.00
7.54	14.36	2.00	0.00	1.00	0.00	7.56	15.22	2.00	0.00	1.00	0.00
7.58	14.00	2.00	0.00	1.00	0.00	7.60	12.15	2.00	0.00	1.00	0.00
7.62	10.28	2.00	0.00	1.00	0.00	7.64	7.95	2.00	0.00	1.00	0.00
7.66	7.77	2.00	0.00	1.00	0.00	7.68	7.68	2.00	0.00	1.00	0.00
7.70	7.65	2.00	0.00	1.00	0.00	7.72	7.61	2.00	0.00	1.00	0.00
7.74	7.81	2.00	0.00	1.00	0.00	7.76	7.43	2.00	0.00	1.00	0.00
7.78	6.30	2.00	0.00	1.00	0.00	7.80	6.08	2.00	0.00	1.00	0.00
7.82	6.02	2.00	0.00	1.00	0.00	7.84	5.96	2.00	0.00	1.00	0.00
7.86	5.94	2.00	0.00	1.00	0.00	7.88	5.92	2.00	0.00	1.00	0.00
7.90	5.92	2.00	0.00	1.00	0.00	7.92	5.92	2.00	0.00	1.00	0.00
7.94	5.93	2.00	0.00	1.00	0.00	7.96	5.97	2.00	0.00	1.00	0.00
7.98	6.01	2.00	0.00	1.00	0.00	8.00	6.12	2.00	0.00	1.00	0.00
8.02	6.43	2.00	0.00	1.00	0.00	8.04	7.07	2.00	0.00	1.00	0.00
8.06	8.39	2.00	0.00	1.00	0.00	8.08	8.96	2.00	0.00	1.00	0.00
8.10	10.13	2.00	0.00	1.00	0.00	8.12	12.28	2.00	0.00	1.00	0.00
8.14	14.16	2.00	0.00	1.00	0.00	8.16	17.22	2.00	0.00	1.00	0.00
8.18	82.62	0.73	3.89	1.00	0.08	8.20	89.05	0.78	3.61	1.00	0.07
8.22	92.08	0.81	3.49	1.00	0.07	8.24	92.47	0.81	3.48	1.00	0.07
8.26	92.97	0.82	3.46	1.00	0.07	8.28	94.00	0.82	3.42	1.00	0.07
8.30	93.84	0.82	3.43	1.00	0.07	8.32	93.29	0.82	3.45	1.00	0.07
8.34	92.91	0.81	3.46	1.00	0.07	8.36	91.05	0.80	3.53	1.00	0.07
8.38	88.89	0.78	3.62	1.00	0.07	8.40	86.06	0.76	3.73	1.00	0.07
8.42	82.58	0.73	3.89	1.00	0.08	8.44	19.22	2.00	0.00	1.00	0.00
8.46	13.15	2.00	0.00	1.00	0.00	8.48	11.01	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.50	10.30	2.00	0.00	1.00	0.00	8.52	7.94	2.00	0.00	1.00	0.00
8.54	7.90	2.00	0.00	1.00	0.00	8.56	7.89	2.00	0.00	1.00	0.00
8.58	7.89	2.00	0.00	1.00	0.00	8.60	7.89	2.00	0.00	1.00	0.00
8.62	8.08	2.00	0.00	1.00	0.00	8.64	8.47	2.00	0.00	1.00	0.00
8.66	10.16	2.00	0.00	1.00	0.00	8.68	11.83	2.00	0.00	1.00	0.00
8.70	11.79	2.00	0.00	1.00	0.00	8.72	11.75	2.00	0.00	1.00	0.00
8.74	11.26	2.00	0.00	1.00	0.00	8.76	10.32	2.00	0.00	1.00	0.00
8.77	9.24	2.00	0.00	1.00	0.00	8.79	9.03	2.00	0.00	1.00	0.00
8.81	8.82	2.00	0.00	1.00	0.00	8.83	8.84	2.00	0.00	1.00	0.00
8.85	8.64	2.00	0.00	1.00	0.00	8.87	7.92	2.00	0.00	1.00	0.00
8.89	6.77	2.00	0.00	1.00	0.00	8.91	6.57	2.00	0.00	1.00	0.00
8.93	6.57	2.00	0.00	1.00	0.00	8.95	6.57	2.00	0.00	1.00	0.00
8.97	6.59	2.00	0.00	1.00	0.00	8.99	6.64	2.00	0.00	1.00	0.00
9.01	11.84	2.00	0.00	1.00	0.00	9.03	85.39	0.75	3.76	1.00	0.08
9.05	88.65	0.78	3.63	1.00	0.07	9.07	89.71	0.79	3.58	1.00	0.07
9.09	90.81	0.80	3.54	1.00	0.07	9.11	92.35	0.81	3.48	1.00	0.07
9.13	92.17	0.81	3.49	1.00	0.07	9.15	91.33	0.80	3.52	1.00	0.07
9.17	91.35	0.80	3.52	1.00	0.07	9.19	91.53	0.81	3.51	1.00	0.07
9.21	92.23	0.81	3.49	1.00	0.07	9.23	92.20	0.81	3.49	1.00	0.07
9.25	93.14	0.82	3.45	1.00	0.07	9.27	95.49	0.84	3.37	1.00	0.07
9.29	96.24	0.85	3.34	1.00	0.07	9.31	95.57	0.84	3.36	1.00	0.07
9.33	91.92	0.81	3.50	1.00	0.07	9.35	87.83	0.77	3.66	1.00	0.07
9.37	85.84	0.76	3.74	1.00	0.07	9.39	88.16	0.78	3.65	1.00	0.07
9.41	92.86	0.82	3.46	1.00	0.07	9.43	96.54	0.86	3.33	1.00	0.07
9.45	99.63	0.89	3.23	1.00	0.06	9.47	104.11	0.94	1.88	1.00	0.04
9.49	107.84	0.99	1.35	1.00	0.03	9.51	109.84	1.02	1.17	1.00	0.02
9.53	111.58	1.05	1.04	1.00	0.02	9.55	109.65	1.02	1.18	1.00	0.02
9.57	109.59	1.02	1.18	1.00	0.02	9.59	109.53	1.02	1.19	1.00	0.02
9.61	109.50	1.02	1.19	1.00	0.02	9.63	116.19	1.13	0.77	1.00	0.02
9.65	121.31	1.23	0.57	1.00	0.01	9.67	126.29	1.34	0.41	1.00	0.01
9.69	133.49	1.56	0.23	1.00	0.00	9.71	138.61	1.74	0.11	1.00	0.00
9.73	141.28	1.86	0.06	1.00	0.00	9.75	143.93	1.99	0.00	1.00	0.00
9.77	145.43	2.00	0.00	1.00	0.00	9.79	145.84	2.00	0.00	1.00	0.00
9.81	144.14	2.00	0.00	1.00	0.00	9.83	139.97	1.81	0.08	1.00	0.00
9.85	134.52	1.60	0.20	1.00	0.00	9.87	128.00	1.39	0.36	1.00	0.01
9.89	117.58	1.16	0.70	1.00	0.01	9.91	109.39	1.02	1.17	1.00	0.02
9.93	102.10	0.93	2.22	1.00	0.04	9.95	101.13	0.91	2.50	1.00	0.05
9.97	100.17	0.90	2.87	1.00	0.06	9.99	101.01	0.91	2.53	1.00	0.05
10.01	100.35	0.91	2.77	1.00	0.06	10.03	100.04	0.90	2.90	1.00	0.06
10.05	99.97	0.90	2.92	1.00	0.06	10.07	99.90	0.90	2.95	1.00	0.06
10.09	100.87	0.91	2.54	1.00	0.05	10.11	107.11	0.99	1.36	1.00	0.03
10.13	108.90	1.02	1.19	1.00	0.02	10.15	112.09	1.07	0.96	1.00	0.02
10.17	115.56	1.13	0.78	1.00	0.02	10.19	119.86	1.21	0.60	1.00	0.01
10.21	120.17	1.22	0.59	1.00	0.01	10.23	117.54	1.16	0.69	1.00	0.01
10.25	115.68	1.13	0.77	1.00	0.02	10.27	113.53	1.09	0.87	1.00	0.02
10.29	112.54	1.08	0.92	1.00	0.02	10.31	111.03	1.05	1.02	1.00	0.02
10.33	107.20	1.00	1.32	1.00	0.03	10.35	99.42	0.90	3.04	1.00	0.06
10.37	99.30	0.90	3.09	1.00	0.06	10.39	99.20	0.90	3.13	1.00	0.06
10.41	99.25	0.90	3.10	1.00	0.06	10.43	99.29	0.90	3.06	1.00	0.06

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.45	104.29	0.96	1.67	1.00	0.03	10.47	106.98	1.00	1.33	1.00	0.03
10.49	107.34	1.00	1.29	1.00	0.03	10.51	110.90	1.06	1.01	1.00	0.02
10.53	115.90	1.14	0.74	1.00	0.01	10.55	121.72	1.26	0.52	1.00	0.01
10.57	125.26	1.34	0.42	1.00	0.01	10.59	128.40	1.42	0.33	1.00	0.01
10.61	128.95	1.44	0.32	1.00	0.01	10.63	124.15	1.32	0.45	1.00	0.01
10.65	121.80	1.26	0.52	1.00	0.01	10.67	119.82	1.22	0.58	1.00	0.01
10.69	116.94	1.16	0.69	1.00	0.01	10.71	114.34	1.12	0.80	1.00	0.02
10.73	113.90	1.11	0.82	1.00	0.02	10.75	111.20	1.07	0.97	1.00	0.02
10.77	104.19	0.97	1.62	1.00	0.03	10.79	99.91	0.91	2.60	1.00	0.05
10.81	98.85	0.90	3.06	1.00	0.06	10.83	98.34	0.90	3.27	1.00	0.07
10.85	98.22	0.90	3.27	1.00	0.07	10.87	98.10	0.90	3.28	1.00	0.07
10.89	98.49	0.90	3.20	1.00	0.06	10.91	92.95	0.84	3.46	1.00	0.07
10.93	80.01	0.74	4.01	1.00	0.08	10.95	71.15	0.68	4.48	1.00	0.09
10.97	68.29	0.66	4.65	1.00	0.09	10.99	74.42	0.70	4.30	1.00	0.09
11.01	79.44	0.73	4.04	1.00	0.08	11.03	83.04	0.76	3.87	1.00	0.08
11.05	85.03	0.78	3.78	1.00	0.08	11.07	86.55	0.79	3.71	1.00	0.07
11.09	86.18	0.79	3.73	1.00	0.07	11.11	86.25	0.79	3.73	1.00	0.07
11.13	86.28	0.79	3.73	1.00	0.07	11.15	86.50	0.79	3.72	1.00	0.07
11.17	86.97	0.79	3.70	1.00	0.07	11.19	87.56	0.80	3.67	1.00	0.07
11.21	87.75	0.80	3.66	1.00	0.07	11.23	88.09	0.80	3.65	1.00	0.07
11.25	88.74	0.81	3.62	1.00	0.07	11.27	89.83	0.82	3.58	1.00	0.07
11.29	89.93	0.82	3.58	1.00	0.07	11.31	88.48	0.81	3.63	1.00	0.07
11.33	87.42	0.80	3.68	1.00	0.07	11.35	86.54	0.79	3.71	1.00	0.07
11.37	85.91	0.79	3.74	1.00	0.07	11.39	85.19	0.78	3.77	1.00	0.08
11.41	84.51	0.78	3.80	1.00	0.08	11.43	84.77	0.78	3.79	1.00	0.08
11.45	84.89	0.78	3.78	1.00	0.08	11.47	85.83	0.79	3.74	1.00	0.07
11.49	86.59	0.80	3.71	1.00	0.07	11.51	85.85	0.79	3.74	1.00	0.07
11.53	85.49	0.79	3.76	1.00	0.07	11.55	85.34	0.79	3.77	1.00	0.08
11.57	85.24	0.79	3.77	1.00	0.08	11.59	84.89	0.78	3.78	1.00	0.08
11.61	83.71	0.77	3.84	1.00	0.08	11.63	82.88	0.77	3.87	1.00	0.08
11.65	83.77	0.78	3.83	1.00	0.08	11.67	81.41	0.76	3.94	1.00	0.08
11.69	80.17	0.75	4.00	1.00	0.08	11.71	79.61	0.74	4.03	1.00	0.08
11.73	81.48	0.76	3.94	1.00	0.08	11.75	83.18	0.77	3.86	1.00	0.08
11.77	83.53	0.78	3.85	1.00	0.08	11.79	83.52	0.78	3.85	1.00	0.08
11.81	83.56	0.78	3.84	1.00	0.08	11.83	81.34	0.76	3.95	1.00	0.08
11.85	79.22	0.74	4.05	1.00	0.08	11.87	78.03	0.74	4.11	1.00	0.08
11.89	82.49	0.77	3.89	1.00	0.08	11.91	89.36	0.83	3.60	1.00	0.07
11.93	94.33	0.87	3.41	1.00	0.07	11.95	94.30	0.88	3.41	1.00	0.07
11.97	91.78	0.85	3.50	1.00	0.07	11.99	87.83	0.82	3.66	1.00	0.07
12.01	82.97	0.78	3.87	1.00	0.08	12.03	82.23	0.77	3.90	1.00	0.08
12.05	81.18	0.76	3.95	1.00	0.08	12.07	80.43	0.76	3.99	1.00	0.08
12.09	80.27	0.76	4.00	1.00	0.08	12.11	80.12	0.75	4.00	1.00	0.08
12.13	80.05	0.75	4.01	1.00	0.08	12.15	79.12	0.75	4.05	1.00	0.08
12.16	79.04	0.75	4.06	1.00	0.08	12.18	79.01	0.75	4.06	1.00	0.08
12.20	78.99	0.75	4.06	1.00	0.08	12.22	79.01	0.75	4.06	1.00	0.08
12.24	80.92	0.76	3.96	1.00	0.08	12.26	83.02	0.78	3.87	1.00	0.08
12.28	83.91	0.79	3.83	1.00	0.08	12.30	81.70	0.77	3.93	1.00	0.08
12.32	80.18	0.76	4.00	1.00	0.08	12.34	79.81	0.76	4.02	1.00	0.08
12.36	79.64	0.76	4.03	1.00	0.08	12.38	79.81	0.76	4.02	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.40	79.99	0.76	4.01	1.00	0.08	12.42	82.25	0.78	3.90	1.00	0.08
12.44	88.42	0.83	3.64	1.00	0.07	12.46	92.97	0.87	3.46	1.00	0.07
12.48	94.36	0.89	3.41	1.00	0.07	12.50	95.68	0.90	3.36	1.00	0.07
12.52	99.11	0.94	2.16	1.00	0.04	12.54	103.81	1.00	1.37	1.00	0.03
12.56	107.87	1.06	1.02	1.00	0.02	12.58	112.34	1.13	0.78	1.00	0.02
12.60	117.24	1.22	0.58	1.00	0.01	12.62	121.00	1.30	0.47	1.00	0.01
12.64	123.86	1.37	0.39	1.00	0.01	12.66	123.90	1.37	0.39	1.00	0.01
12.68	123.33	1.35	0.40	1.00	0.01	12.70	123.20	1.35	0.40	1.00	0.01
12.72	123.08	1.35	0.40	1.00	0.01	12.74	123.08	1.35	0.40	1.00	0.01
12.76	117.17	1.22	0.58	1.00	0.01	12.78	110.38	1.10	0.85	1.00	0.02
12.80	105.00	1.02	1.21	1.00	0.02	12.82	98.26	0.94	2.26	1.00	0.04
12.84	94.75	0.90	3.39	1.00	0.07	12.86	92.51	0.88	3.48	1.00	0.07
12.88	91.98	0.87	3.50	1.00	0.07	12.90	91.95	0.87	3.50	1.00	0.07
12.92	91.93	0.87	3.50	1.00	0.07	12.94	91.95	0.87	3.50	1.00	0.07
12.96	93.82	0.89	3.43	1.00	0.07	12.98	93.44	0.89	3.44	1.00	0.07
13.00	93.07	0.89	3.46	1.00	0.07	13.02	91.84	0.87	3.50	1.00	0.07
13.04	91.46	0.87	3.52	1.00	0.07	13.06	92.09	0.88	3.49	1.00	0.07
13.08	92.72	0.88	3.47	1.00	0.07	13.10	94.19	0.90	3.41	1.00	0.07
13.12	97.23	0.93	2.43	1.00	0.05	13.14	101.01	0.98	1.59	1.00	0.03
13.16	101.61	0.99	1.50	1.00	0.03	13.18	101.39	0.98	1.52	1.00	0.03
13.20	98.03	0.94	2.15	1.00	0.04	13.22	93.87	0.90	3.43	1.00	0.07
13.24	91.52	0.88	3.51	1.00	0.07	13.26	90.62	0.87	3.55	1.00	0.07
13.28	90.14	0.86	3.57	1.00	0.07	13.30	90.00	0.86	3.57	1.00	0.07
13.32	89.91	0.86	3.58	1.00	0.07	13.34	92.23	0.88	3.49	1.00	0.07
13.36	94.56	0.91	3.40	1.00	0.07	13.38	101.19	0.99	1.50	1.00	0.03
13.40	106.92	1.06	0.99	1.00	0.02	13.42	109.10	1.10	0.86	1.00	0.02
13.44	110.38	1.12	0.80	1.00	0.02	13.46	109.00	1.10	0.86	1.00	0.02
13.48	103.99	1.03	1.19	1.00	0.02	13.50	94.26	0.91	3.41	1.00	0.07
13.52	85.10	0.82	3.78	1.00	0.08	13.54	78.24	0.77	4.10	1.00	0.08
13.56	74.30	0.74	4.30	1.00	0.09	13.58	72.46	0.73	4.40	1.00	0.09
13.60	71.46	0.72	4.46	1.00	0.09	13.62	71.35	0.72	4.47	1.00	0.09
13.64	71.31	0.72	4.47	1.00	0.09	13.66	71.24	0.72	4.47	1.00	0.09
13.68	71.18	0.72	4.48	1.00	0.09	13.70	71.31	0.72	4.47	1.00	0.09
13.72	72.60	0.73	4.40	1.00	0.09	13.74	75.59	0.75	4.23	1.00	0.08
13.76	80.19	0.79	4.00	1.00	0.08	13.78	81.08	0.80	3.96	1.00	0.08
13.80	75.58	0.75	4.23	1.00	0.08	13.82	71.86	0.73	4.44	1.00	0.09
13.84	70.86	0.72	4.50	1.00	0.09	13.86	71.78	0.73	4.44	1.00	0.09
13.88	73.84	0.74	4.33	1.00	0.09	13.90	72.75	0.74	4.39	1.00	0.09
13.92	72.85	0.74	4.38	1.00	0.09	13.94	72.72	0.74	4.39	1.00	0.09
13.96	72.71	0.74	4.39	1.00	0.09	13.98	73.09	0.74	4.37	1.00	0.09
14.00	73.53	0.74	4.34	1.00	0.09	14.02	77.24	0.77	4.15	1.00	0.08
14.04	83.71	0.82	3.84	1.00	0.08	14.05	93.04	0.91	3.46	1.00	0.07
14.07	99.46	0.98	1.57	1.00	0.03	14.09	107.54	1.09	0.88	1.00	0.02
14.11	110.87	1.15	0.72	1.00	0.01	14.13	109.63	1.13	0.78	1.00	0.02
14.15	103.94	1.04	1.10	1.00	0.02	14.17	95.03	0.93	2.59	1.00	0.05
14.19	91.20	0.89	3.53	1.00	0.07	14.21	89.28	0.88	3.60	1.00	0.07
14.23	89.21	0.88	3.60	1.00	0.07	14.25	89.14	0.88	3.61	1.00	0.07
14.27	90.66	0.89	3.55	1.00	0.07	14.29	92.17	0.91	3.49	1.00	0.07
14.31	97.71	0.97	1.79	1.00	0.04	14.33	102.22	1.03	1.21	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.35	103.41	1.04	1.11	1.00	0.02	14.37	102.22	1.03	1.20	1.00	0.02
14.39	94.32	0.93	2.72	1.00	0.05	14.41	86.20	0.85	3.73	1.00	0.07
14.43	80.35	0.80	3.99	1.00	0.08	14.45	80.21	0.80	4.00	1.00	0.08
14.47	80.16	0.80	4.00	1.00	0.08	14.49	80.11	0.80	4.00	1.00	0.08
14.51	80.10	0.80	4.00	1.00	0.08	14.53	85.26	0.85	3.77	1.00	0.07
14.55	92.75	0.92	3.46	1.00	0.07	14.57	99.80	1.00	1.40	1.00	0.03
14.59	104.09	1.06	1.02	1.00	0.02	14.61	105.79	1.08	0.92	1.00	0.02
14.63	109.06	1.13	0.76	1.00	0.02	14.65	113.61	1.21	0.59	1.00	0.01
14.67	116.11	1.26	0.51	1.00	0.01	14.69	113.93	1.22	0.57	1.00	0.01
14.71	109.41	1.14	0.74	1.00	0.01	14.73	109.06	1.14	0.75	1.00	0.01
14.75	108.72	1.13	0.76	1.00	0.02	14.77	108.46	1.13	0.77	1.00	0.02
14.79	106.35	1.10	0.87	1.00	0.02	14.81	104.68	1.07	0.96	1.00	0.02
14.83	101.04	1.02	1.22	1.00	0.02	14.85	94.22	0.94	2.42	1.00	0.05
14.87	91.50	0.92	3.51	1.00	0.07	14.89	91.28	0.91	3.52	1.00	0.07
14.91	91.14	0.91	3.53	1.00	0.07	14.93	91.06	0.91	3.53	1.00	0.07
14.95	94.32	0.95	2.32	1.00	0.05	14.97	97.58	0.99	1.59	1.00	0.03
14.99	100.63	1.02	1.23	1.00	0.02	15.01	99.73	1.01	1.31	1.00	0.03
15.03	96.93	0.98	1.67	1.00	0.03	15.05	92.14	0.93	3.24	1.00	0.06
15.07	86.37	0.87	3.72	1.00	0.07	15.09	80.55	0.82	3.98	1.00	0.08
15.11	76.29	0.79	4.20	1.00	0.08	15.13	75.57	0.78	4.23	1.00	0.08
15.15	78.06	0.80	4.10	1.00	0.08	15.17	80.40	0.82	3.99	1.00	0.08
15.19	85.71	0.87	3.75	1.00	0.07	15.21	93.99	0.95	2.26	1.00	0.04
15.23	99.54	1.02	1.28	1.00	0.03	15.25	97.18	0.99	1.56	1.00	0.03
15.27	91.24	0.92	3.52	1.00	0.07	15.29	86.07	0.87	3.73	1.00	0.07
15.31	22.31	2.00	0.00	1.00	0.00	15.33	18.09	2.00	0.00	1.00	0.00
15.34	16.27	2.00	0.00	1.00	0.00	15.36	15.74	2.00	0.00	1.00	0.00
15.38	15.78	2.00	0.00	1.00	0.00	15.40	15.81	2.00	0.00	1.00	0.00
15.42	15.96	2.00	0.00	1.00	0.00	15.44	16.27	2.00	0.00	1.00	0.00
15.46	17.65	2.00	0.00	1.00	0.00	15.48	83.47	0.85	3.85	1.00	0.08
15.50	90.03	0.92	3.57	1.00	0.07	15.52	92.41	0.94	2.63	1.00	0.05
15.54	92.83	0.95	2.44	1.00	0.05	15.56	94.49	0.97	1.94	1.00	0.04
15.58	99.80	1.03	1.19	1.00	0.02	15.60	101.76	1.06	1.04	1.00	0.02
15.62	98.60	1.02	1.30	1.00	0.03	15.64	93.41	0.96	2.18	1.00	0.04
15.66	90.28	0.92	3.56	1.00	0.07	15.68	92.29	0.95	2.54	1.00	0.05
15.70	96.38	0.99	1.54	1.00	0.03	15.72	98.70	1.02	1.26	1.00	0.03
15.74	96.97	1.00	1.45	1.00	0.03	15.76	94.73	0.97	1.80	1.00	0.04
15.78	92.74	0.95	2.30	1.00	0.05	15.80	92.51	0.95	2.36	1.00	0.05
15.82	90.65	0.93	3.26	1.00	0.06	15.84	88.83	0.91	3.62	1.00	0.07
15.86	83.55	0.86	3.84	1.00	0.08	15.88	82.49	0.86	3.89	1.00	0.08
15.90	82.45	0.86	3.89	1.00	0.08	15.92	83.12	0.86	3.86	1.00	0.08
15.94	80.70	0.84	3.98	1.00	0.08	15.96	79.43	0.83	4.04	1.00	0.08
15.98	74.79	0.80	4.28	1.00	0.08	16.00	74.96	0.80	4.27	1.00	0.08
16.02	78.11	0.82	4.10	1.00	0.08	16.04	78.92	0.83	4.06	1.00	0.08
16.06	78.03	0.82	4.11	1.00	0.08	16.08	75.31	0.80	4.25	1.00	0.08
16.10	73.16	0.79	4.36	1.00	0.09	16.12	71.41	0.77	4.46	1.00	0.09
16.14	70.89	0.77	4.50	1.00	0.09	16.16	72.90	0.79	4.38	1.00	0.09
16.18	75.25	0.80	4.25	1.00	0.08	16.20	77.77	0.82	4.12	1.00	0.08
16.22	79.12	0.84	4.05	1.00	0.08	16.24	80.26	0.85	4.00	1.00	0.08
16.26	81.56	0.86	3.94	1.00	0.08	16.28	81.32	0.86	3.95	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.29	79.87	0.84	4.02	1.00	0.08	16.31	79.65	0.84	4.03	1.00	0.08
16.33	79.22	0.84	4.05	1.00	0.08	16.35	81.67	0.86	3.93	1.00	0.08
16.37	78.17	0.83	4.10	1.00	0.08	16.39	76.08	0.82	4.21	1.00	0.08
16.41	74.71	0.81	4.28	1.00	0.08	16.43	75.54	0.81	4.23	1.00	0.08
16.45	75.58	0.81	4.23	1.00	0.08	16.47	75.65	0.81	4.23	1.00	0.08
16.49	77.38	0.83	4.14	1.00	0.08	16.51	77.15	0.83	4.15	1.00	0.08
16.53	78.59	0.84	4.08	1.00	0.08	16.55	78.88	0.84	4.06	1.00	0.08
16.57	80.12	0.85	4.00	1.00	0.08	16.59	79.63	0.85	4.03	1.00	0.08
16.61	80.92	0.86	3.96	1.00	0.08	16.63	82.13	0.87	3.91	1.00	0.08
16.65	82.57	0.88	3.89	1.00	0.08	16.67	83.00	0.88	3.87	1.00	0.08
16.69	83.28	0.88	3.86	1.00	0.08	16.71	83.27	0.88	3.86	1.00	0.08
16.73	82.95	0.88	3.87	1.00	0.08	16.75	82.02	0.87	3.91	1.00	0.08
16.77	78.52	0.84	4.08	1.00	0.08	16.79	75.46	0.82	4.24	1.00	0.08
16.81	77.12	0.83	4.15	1.00	0.08	16.83	89.90	0.95	2.60	1.00	0.05
16.85	78.55	0.85	4.08	1.00	0.08	16.87	79.39	0.85	4.04	1.00	0.08
16.89	79.52	0.85	4.03	1.00	0.08	16.91	80.05	0.86	4.01	1.00	0.08
16.93	78.82	0.85	4.07	1.00	0.08	16.95	77.93	0.84	4.11	1.00	0.08
16.97	74.26	0.81	4.30	1.00	0.09	16.99	76.87	0.84	4.17	1.00	0.08
17.01	75.93	0.83	4.21	1.00	0.08	17.03	76.71	0.84	4.17	1.00	0.08
17.05	83.36	0.89	3.85	1.00	0.08	17.07	88.25	0.94	3.27	1.00	0.06
17.09	87.12	0.93	3.69	1.00	0.07	17.11	87.13	0.93	3.69	1.00	0.07
17.12	87.13	0.93	3.69	1.00	0.07	17.14	87.24	0.93	3.68	1.00	0.07
17.16	87.52	0.94	3.67	1.00	0.07	17.18	87.31	0.93	3.68	1.00	0.07
17.20	86.02	0.92	3.74	1.00	0.07	17.22	85.18	0.91	3.77	1.00	0.07
17.24	84.39	0.91	3.81	1.00	0.08	17.26	83.50	0.90	3.85	1.00	0.08
17.28	83.43	0.90	3.85	1.00	0.08	17.30	83.48	0.90	3.85	1.00	0.08
17.32	82.65	0.89	3.88	1.00	0.08	17.34	81.49	0.88	3.94	1.00	0.08
17.36	80.98	0.88	3.96	1.00	0.08	17.38	80.77	0.88	3.97	1.00	0.08
17.40	80.13	0.87	4.00	1.00	0.08	17.42	79.65	0.87	4.03	1.00	0.08
17.44	79.39	0.87	4.04	1.00	0.08	17.46	79.32	0.87	4.04	1.00	0.08
17.48	79.39	0.87	4.04	1.00	0.08	17.50	79.47	0.87	4.03	1.00	0.08
17.52	79.94	0.87	4.01	1.00	0.08	17.54	81.24	0.89	3.95	1.00	0.08
17.56	82.42	0.90	3.90	1.00	0.08	17.58	83.29	0.91	3.86	1.00	0.08
17.60	82.86	0.90	3.88	1.00	0.08	17.62	81.59	0.89	3.93	1.00	0.08
17.64	80.00	0.88	4.01	1.00	0.08	17.66	79.13	0.87	4.05	1.00	0.08
17.68	78.24	0.86	4.10	1.00	0.08	17.70	76.49	0.85	4.18	1.00	0.08
17.72	75.69	0.84	4.23	1.00	0.08	17.74	75.37	0.84	4.24	1.00	0.08
17.76	76.21	0.85	4.20	1.00	0.08	17.78	77.61	0.86	4.13	1.00	0.08
17.80	79.46	0.88	4.04	1.00	0.08	17.82	84.66	0.93	3.79	1.00	0.07
17.84	79.11	0.88	4.05	1.00	0.08	17.86	79.30	0.88	4.04	1.00	0.08
17.88	79.18	0.88	4.05	1.00	0.08	17.89	79.22	0.88	4.05	1.00	0.08
17.91	79.45	0.88	4.04	1.00	0.08	17.93	79.50	0.88	4.03	1.00	0.08
17.95	79.68	0.88	4.02	1.00	0.08	17.97	79.60	0.88	4.03	1.00	0.08
17.99	78.69	0.88	4.07	1.00	0.08	18.01	78.93	0.88	4.06	1.00	0.08
18.03	78.07	0.87	4.10	1.00	0.08	18.05	77.52	0.87	4.13	1.00	0.08
18.07	77.24	0.87	4.15	1.00	0.08	18.09	78.01	0.87	4.11	1.00	0.08
18.11	76.37	0.86	4.19	1.00	0.08	18.13	76.55	0.86	4.18	1.00	0.08
18.15	75.87	0.86	4.22	1.00	0.08	18.17	75.35	0.85	4.24	1.00	0.08
18.19	75.41	0.85	4.24	1.00	0.08	18.21	75.28	0.85	4.25	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.23	75.16	0.85	4.26	1.00	0.08	18.25	75.06	0.85	4.26	1.00	0.08
18.27	75.24	0.85	4.25	1.00	0.08	18.29	75.34	0.86	4.25	1.00	0.08
18.31	75.42	0.86	4.24	1.00	0.08	18.33	75.73	0.86	4.22	1.00	0.08
18.35	75.87	0.86	4.22	1.00	0.08	18.37	75.76	0.86	4.22	1.00	0.08
18.39	75.46	0.86	4.24	1.00	0.08	18.41	76.70	0.87	4.17	1.00	0.08
18.43	78.12	0.88	4.10	1.00	0.08	18.45	79.08	0.89	4.05	1.00	0.08
18.47	79.61	0.90	4.03	1.00	0.08	18.49	79.46	0.90	4.04	1.00	0.08
18.51	78.36	0.89	4.09	1.00	0.08	18.53	76.92	0.87	4.16	1.00	0.08
18.55	76.16	0.87	4.20	1.00	0.08	18.57	75.46	0.86	4.24	1.00	0.08
18.58	74.60	0.86	4.29	1.00	0.08	18.60	75.53	0.87	4.24	1.00	0.08
18.62	76.54	0.87	4.18	1.00	0.08	18.64	78.13	0.89	4.10	1.00	0.08
18.66	77.68	0.88	4.12	1.00	0.08	18.68	76.43	0.87	4.19	1.00	0.08
18.70	76.35	0.87	4.19	1.00	0.08	18.72	76.28	0.87	4.20	1.00	0.08
18.74	76.32	0.88	4.19	1.00	0.08	18.76	76.11	0.87	4.20	1.00	0.08
18.78	77.12	0.88	4.15	1.00	0.08	18.80	85.70	0.96	2.57	1.00	0.05
18.82	81.66	0.92	3.93	1.00	0.08	18.84	80.88	0.92	3.97	1.00	0.08
18.86	80.85	0.92	3.97	1.00	0.08	18.88	81.06	0.92	3.96	1.00	0.08
18.90	80.72	0.92	3.97	1.00	0.08	18.92	81.11	0.92	3.96	1.00	0.08
18.94	80.75	0.92	3.97	1.00	0.08	18.96	81.03	0.92	3.96	1.00	0.08
18.98	81.22	0.92	3.95	1.00	0.08	19.00	81.92	0.93	3.92	1.00	0.08
19.02	83.15	0.94	3.86	1.00	0.08	19.04	83.75	0.95	3.55	1.00	0.07
19.06	83.83	0.95	3.44	1.00	0.07	19.08	83.86	0.95	3.37	1.00	0.07
19.10	83.89	0.95	3.31	1.00	0.07	19.12	84.13	0.96	3.10	1.00	0.06
19.14	84.35	0.96	2.92	1.00	0.06	19.16	84.28	0.96	2.93	1.00	0.06
19.18	84.13	0.96	3.01	1.00	0.06	19.20	84.05	0.96	3.03	1.00	0.06
19.22	83.61	0.95	3.34	1.00	0.07	19.23	83.48	0.95	3.41	1.00	0.07
19.25	83.55	0.95	3.31	1.00	0.07	19.27	82.09	0.94	3.91	1.00	0.08
19.29	80.12	0.92	4.00	1.00	0.08	19.31	78.74	0.91	4.07	1.00	0.08
19.33	77.73	0.90	4.12	1.00	0.08	19.35	77.60	0.90	4.13	1.00	0.08
19.37	77.72	0.90	4.12	1.00	0.08	19.39	77.49	0.90	4.13	1.00	0.08
19.41	77.25	0.90	4.15	1.00	0.08	19.43	77.42	0.90	4.14	1.00	0.08
19.45	78.08	0.91	4.10	1.00	0.08	19.47	78.14	0.91	4.10	1.00	0.08
19.49	78.01	0.91	4.11	1.00	0.08	19.51	77.39	0.90	4.14	1.00	0.08
19.53	76.80	0.90	4.17	1.00	0.08	19.55	76.85	0.90	4.17	1.00	0.08
19.57	76.88	0.90	4.16	1.00	0.08	19.59	76.68	0.90	4.18	1.00	0.08
19.61	77.21	0.90	4.15	1.00	0.08	19.63	77.78	0.91	4.12	1.00	0.08
19.65	78.21	0.91	4.10	1.00	0.08	19.67	78.65	0.92	4.08	1.00	0.08
19.69	78.02	0.91	4.11	1.00	0.08	19.71	77.37	0.91	4.14	1.00	0.08
19.73	77.19	0.91	4.15	1.00	0.08	19.75	77.32	0.91	4.14	1.00	0.08
19.77	76.60	0.90	4.18	1.00	0.08						

Total estimated settlement: 38.28

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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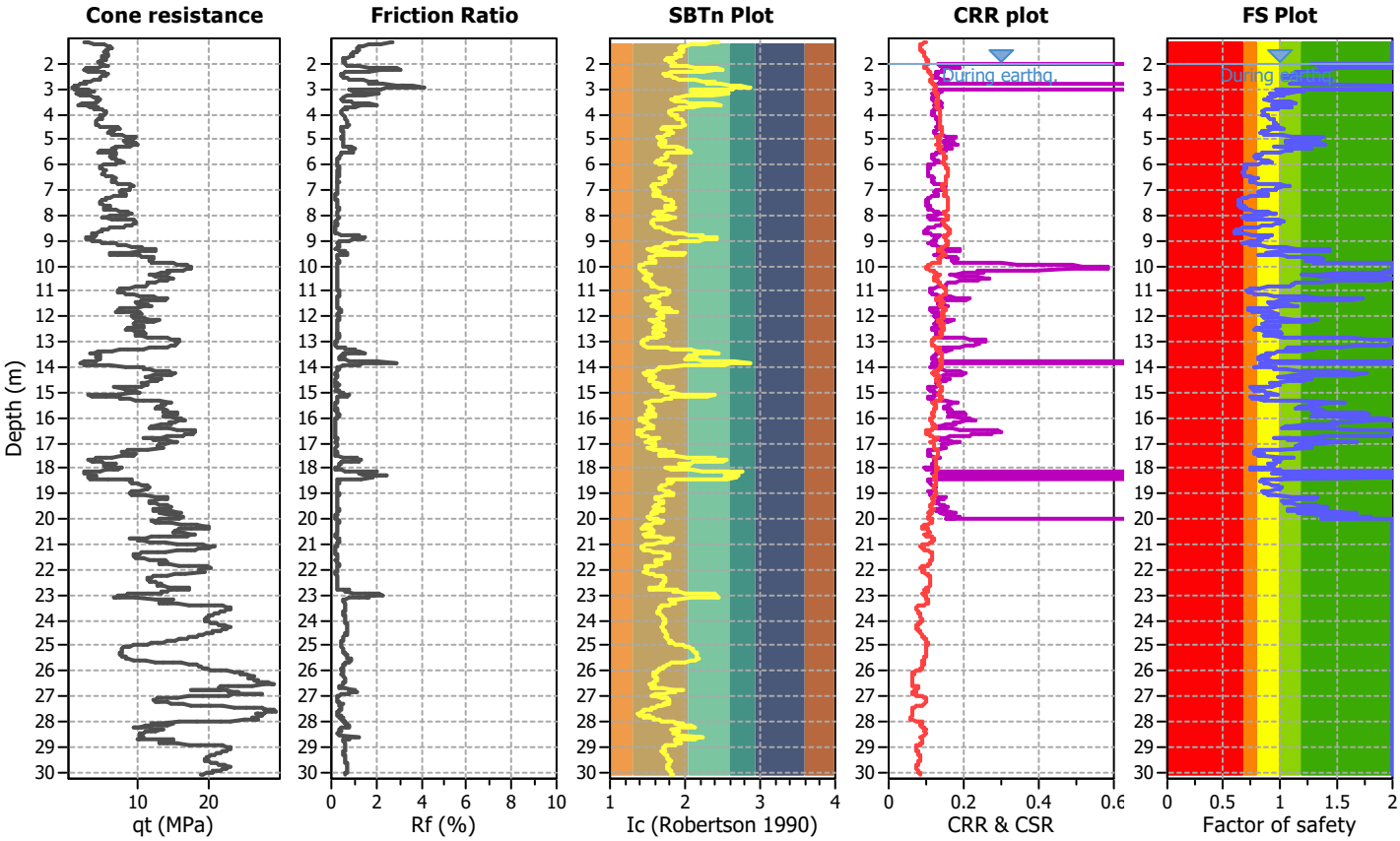
LIQUEFACTION ANALYSIS REPORT

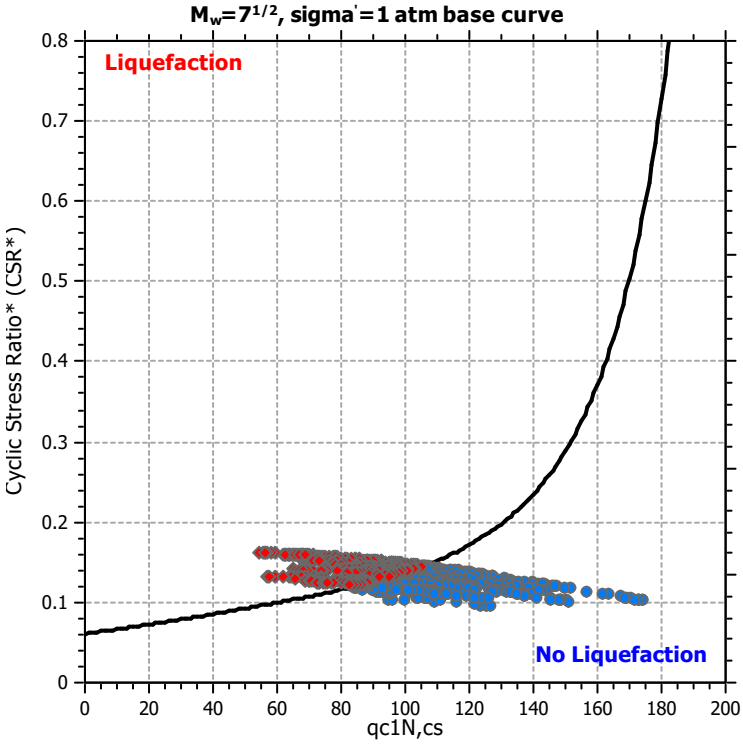
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

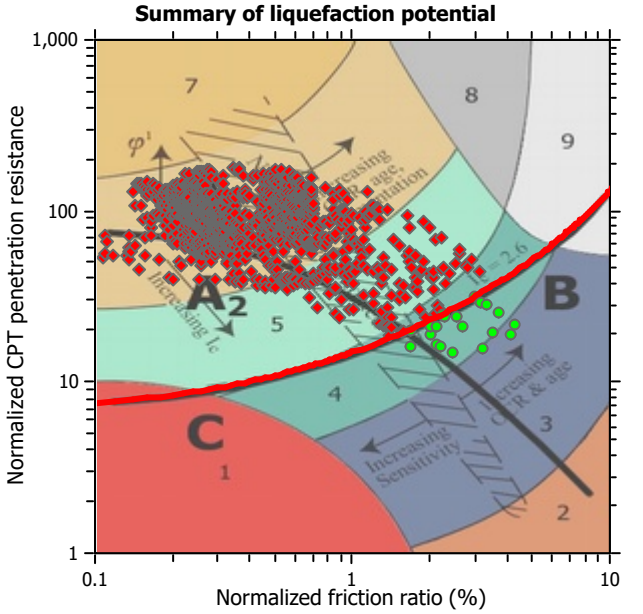
CPT file : P307 - SCPTu-13

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.15	Unit weight calculation:	Based on SBT	K_σ applied:	No		

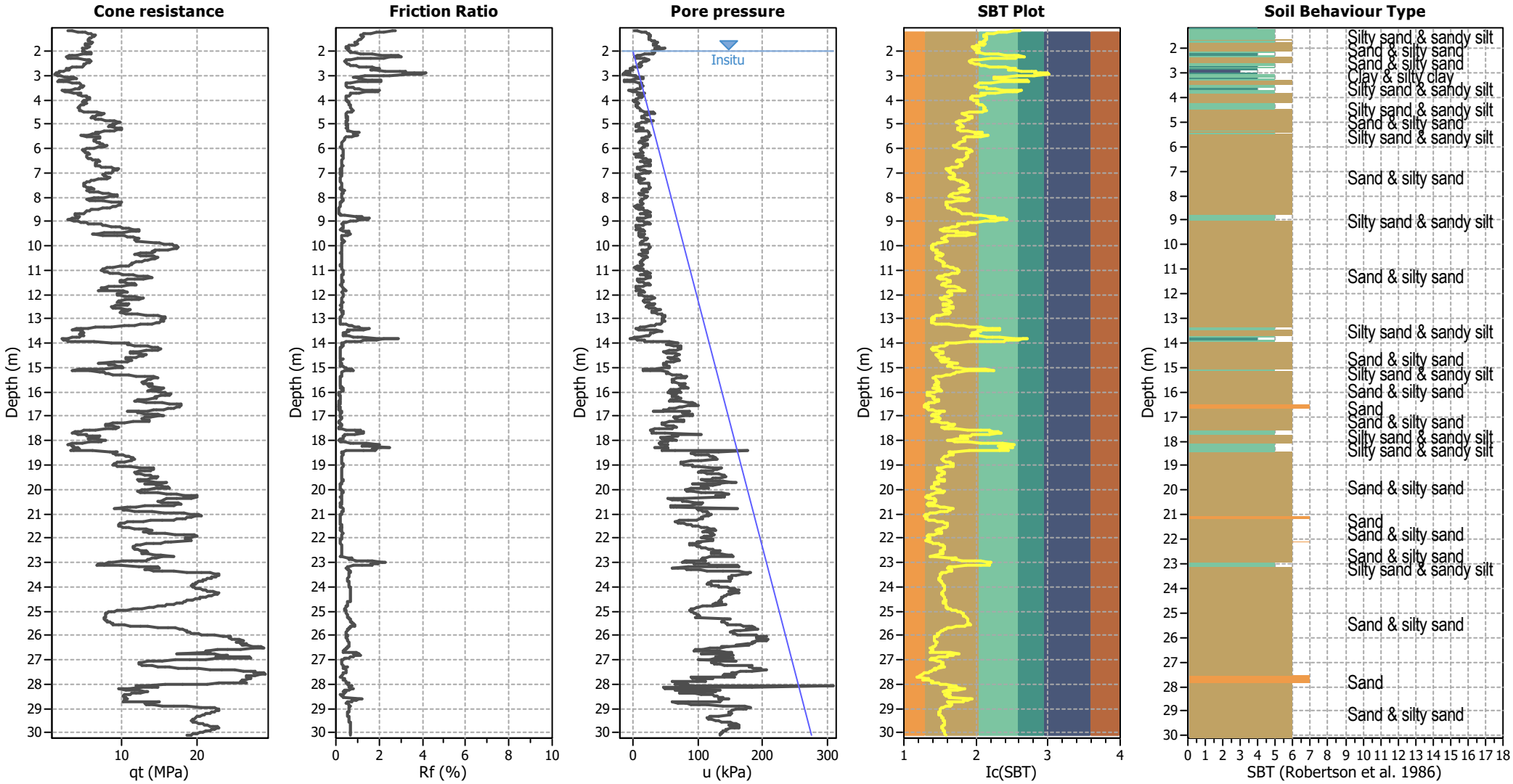






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



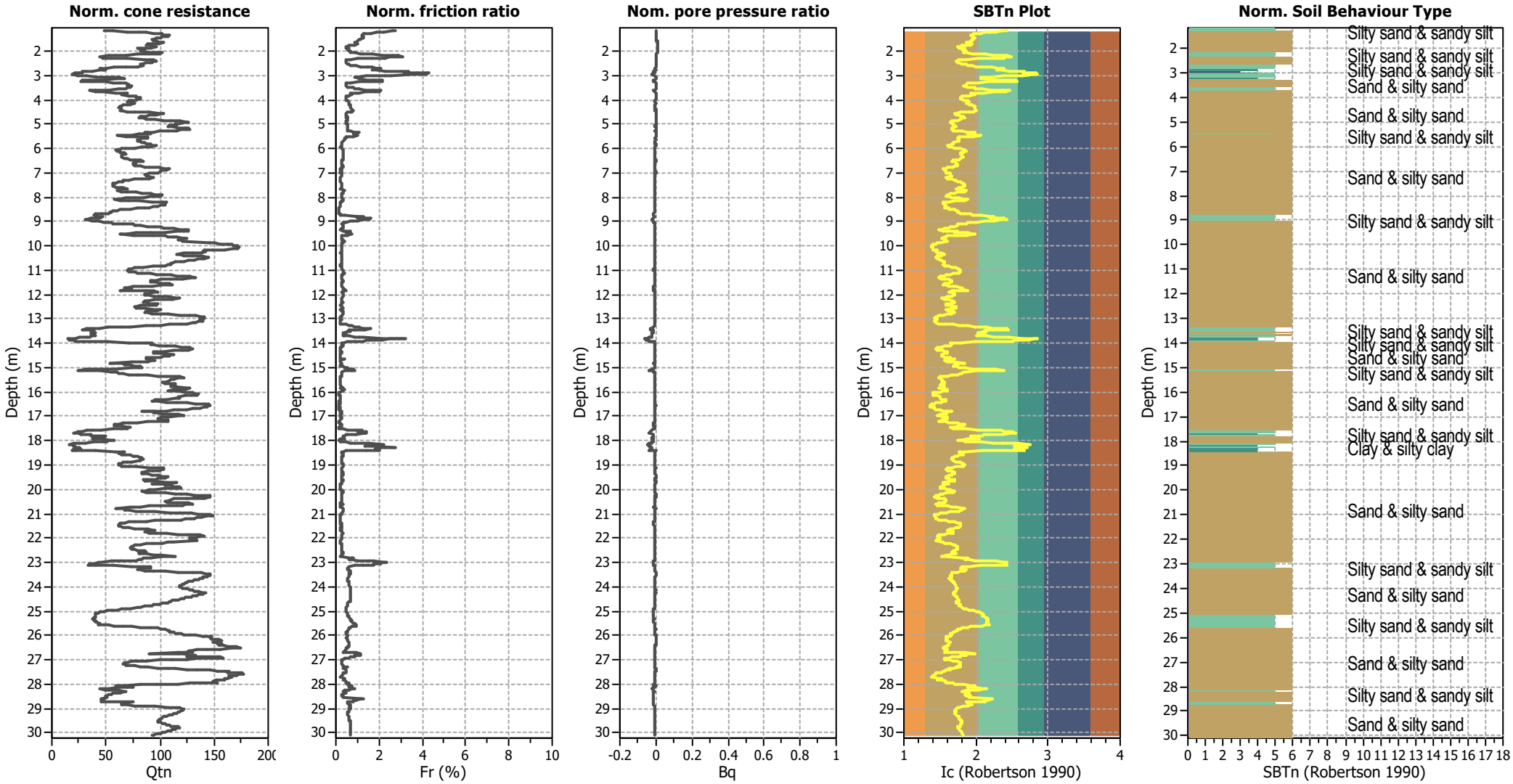
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



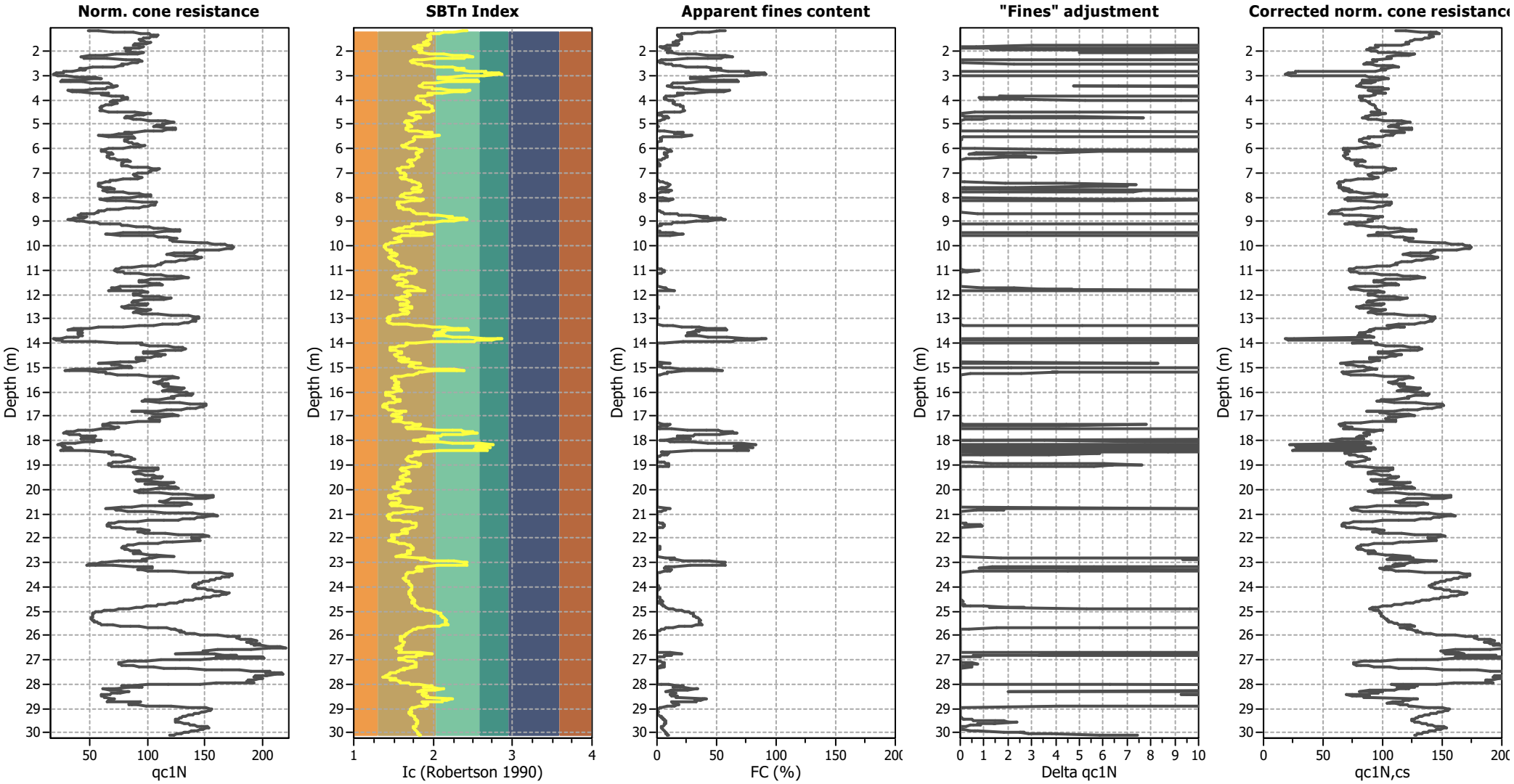
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

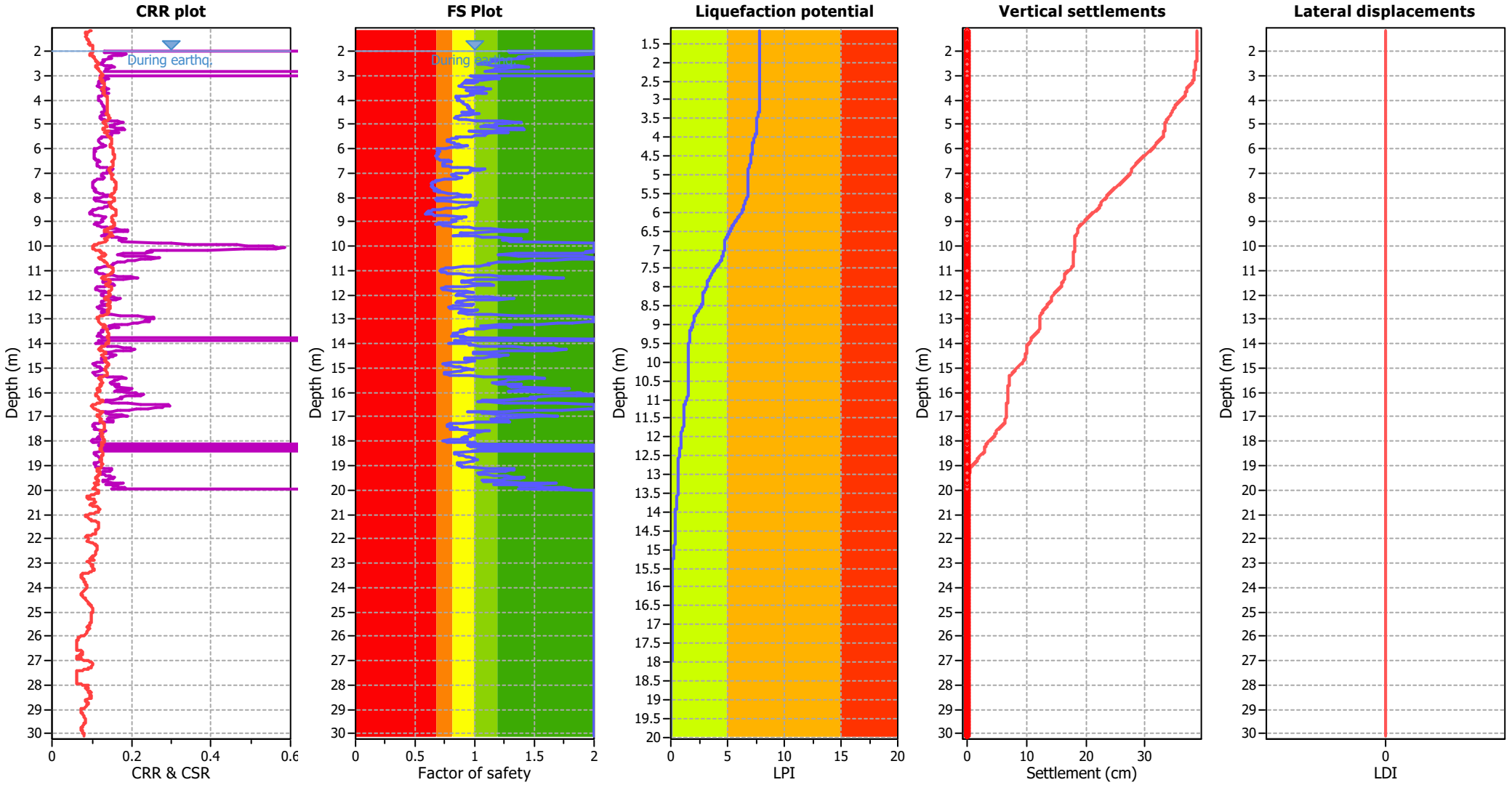
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

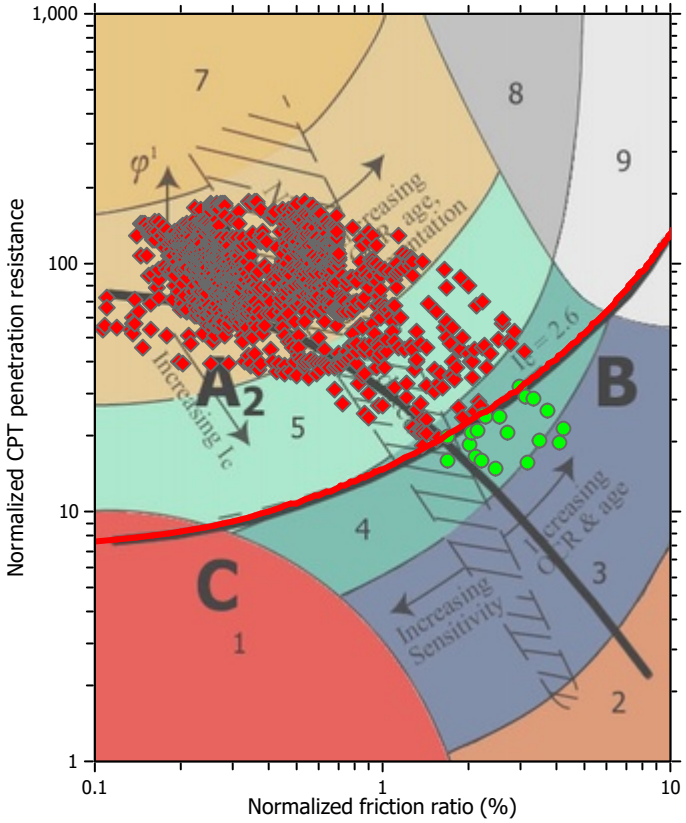
F.S. color scheme

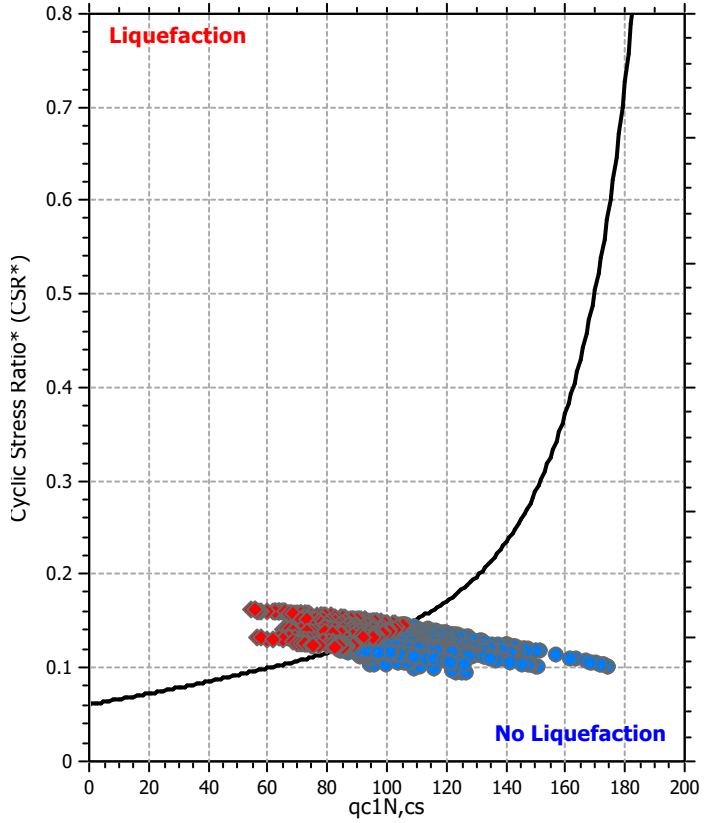
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

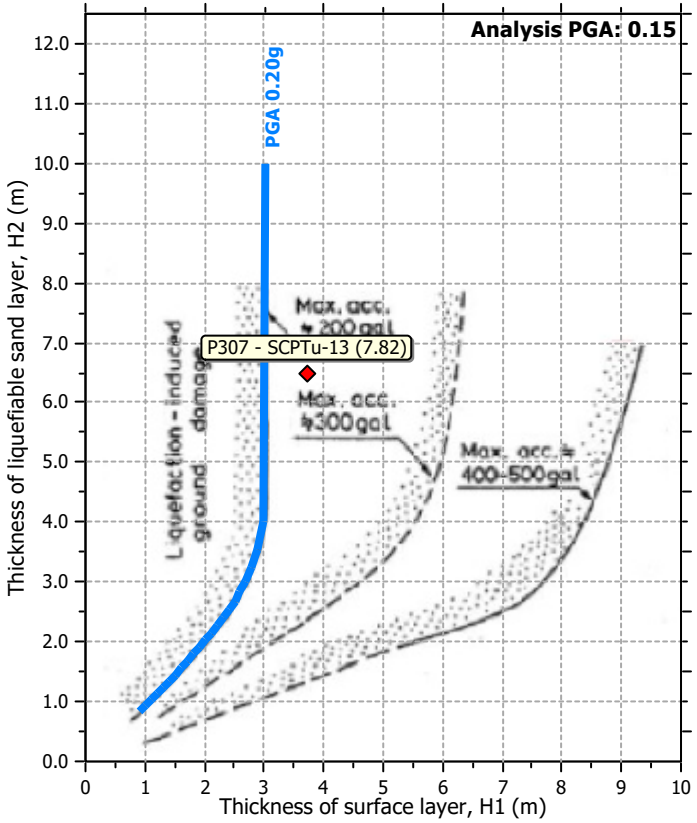
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



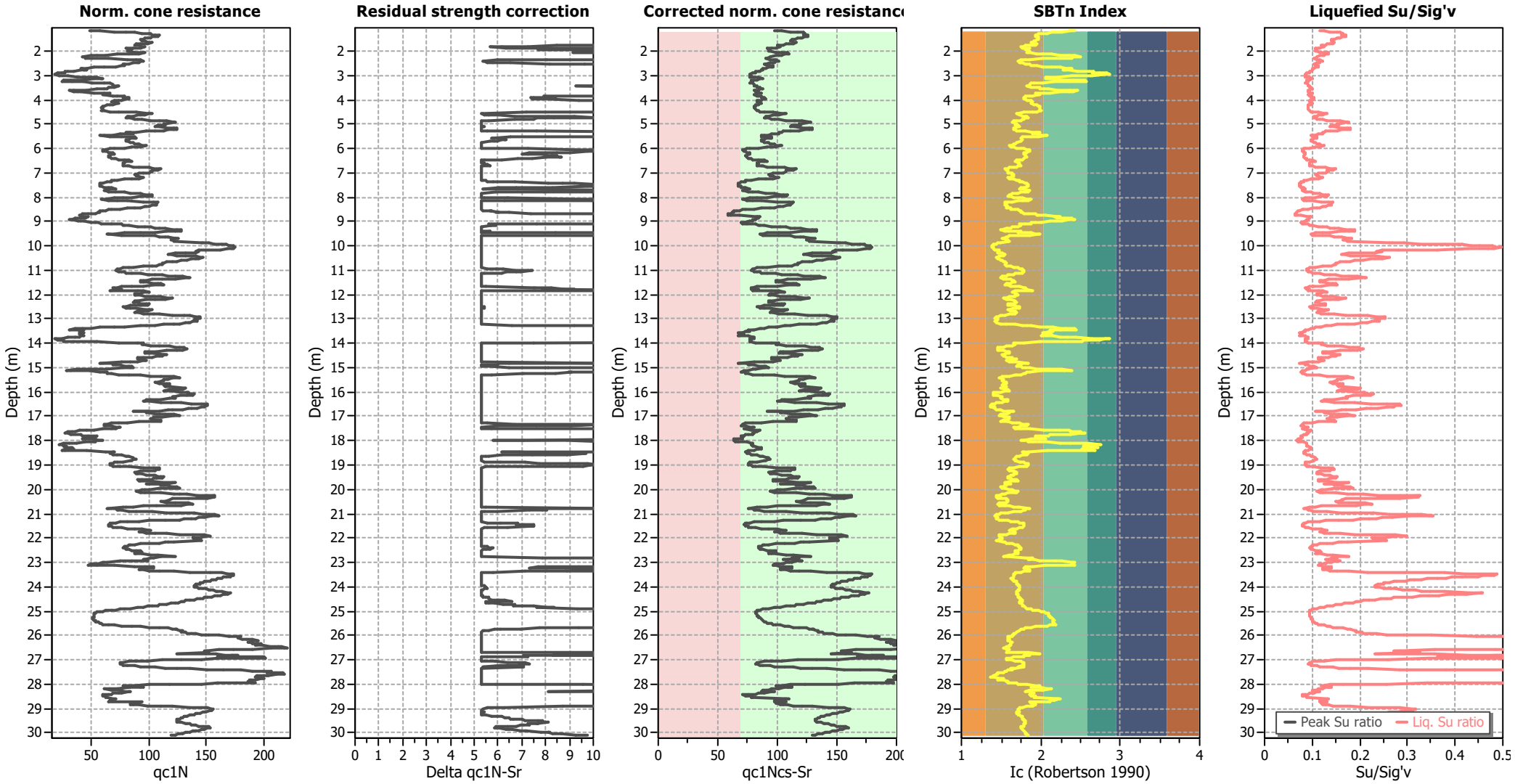




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.15	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.82	2.00	0.00	0.00	0.02	0.00
1.84	2.00	0.00	0.00	0.02	0.00	1.86	2.00	0.00	0.00	0.02	0.00
1.88	2.00	0.00	0.00	0.02	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	1.28	0.00	0.00	0.02	0.00
2.04	1.29	0.00	0.00	0.02	0.00	2.06	1.34	0.00	0.00	0.02	0.00
2.08	1.52	0.00	0.00	0.02	0.00	2.10	1.91	0.00	0.00	0.02	0.00
2.12	1.96	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	1.83	0.00	0.00	0.02	0.00	2.18	1.65	0.00	0.00	0.02	0.00
2.20	1.53	0.00	0.00	0.02	0.00	2.22	1.37	0.00	0.00	0.02	0.00
2.24	1.40	0.00	0.00	0.02	0.00	2.26	1.41	0.00	0.00	0.02	0.00
2.28	1.36	0.00	0.00	0.02	0.00	2.30	1.42	0.00	0.00	0.02	0.00
2.32	1.40	0.00	0.00	0.02	0.00	2.34	1.20	0.00	0.00	0.02	0.00
2.36	1.14	0.00	0.00	0.02	0.00	2.38	1.15	0.00	0.00	0.02	0.00
2.40	1.19	0.00	0.00	0.02	0.00	2.42	1.17	0.00	0.00	0.02	0.00
2.44	1.15	0.00	0.00	0.02	0.00	2.46	1.13	0.00	0.00	0.02	0.00
2.48	1.10	0.00	0.00	0.02	0.00	2.50	1.06	0.00	0.00	0.02	0.00
2.52	1.03	0.00	0.00	0.02	0.00	2.54	1.04	0.00	0.00	0.02	0.00
2.56	1.09	0.00	0.00	0.02	0.00	2.58	1.14	0.00	0.00	0.02	0.00
2.60	1.24	0.00	0.00	0.02	0.00	2.62	1.36	0.00	0.00	0.02	0.00
2.64	1.45	0.00	0.00	0.02	0.00	2.66	1.45	0.00	0.00	0.02	0.00
2.68	1.34	0.00	0.00	0.02	0.00	2.70	1.25	0.00	0.00	0.02	0.00
2.72	1.18	0.00	0.00	0.02	0.00	2.74	1.17	0.00	0.00	0.02	0.00
2.76	1.18	0.00	0.00	0.02	0.00	2.78	1.21	0.00	0.00	0.02	0.00
2.80	1.15	0.00	0.00	0.02	0.00	2.82	1.09	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	0.97	0.00	0.00	0.02	0.01
3.04	1.00	0.00	0.00	0.02	0.00	3.06	1.06	0.00	0.00	0.02	0.00
3.08	1.13	0.00	0.00	0.02	0.00	3.10	1.20	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.12	1.20	0.00	0.00	0.02	0.00	3.14	1.15	0.00	0.00	0.02	0.00
3.16	1.07	0.00	0.00	0.02	0.00	3.18	0.98	0.00	0.00	0.02	0.00
3.20	0.93	0.00	0.00	0.02	0.01	3.22	0.92	0.00	0.00	0.02	0.01
3.24	0.98	0.00	0.00	0.02	0.00	3.26	1.03	0.00	0.00	0.02	0.00
3.28	0.99	0.00	0.00	0.02	0.00	3.30	0.93	0.00	0.00	0.02	0.01
3.32	0.90	0.00	0.00	0.02	0.02	3.34	0.89	0.00	0.00	0.02	0.02
3.36	0.89	0.00	0.00	0.02	0.02	3.38	0.89	0.00	0.00	0.02	0.02
3.40	0.88	0.00	0.00	0.02	0.02	3.42	0.86	0.00	0.00	0.02	0.02
3.44	0.86	0.00	0.00	0.02	0.02	3.46	0.93	0.00	0.00	0.02	0.01
3.48	1.03	0.00	0.00	0.02	0.00	3.50	1.08	0.00	0.00	0.02	0.00
3.52	1.09	0.00	0.00	0.02	0.00	3.54	1.14	0.00	0.00	0.02	0.00
3.56	1.10	0.00	0.00	0.02	0.00	3.58	1.06	0.00	0.00	0.02	0.00
3.60	0.97	0.00	0.00	0.02	0.00	3.62	0.93	0.00	0.00	0.02	0.01
3.64	0.98	0.00	0.00	0.02	0.00	3.66	1.01	0.00	0.00	0.02	0.00
3.68	1.00	0.00	0.00	0.02	0.00	3.70	1.07	0.00	0.00	0.02	0.00
3.72	1.10	0.00	0.00	0.02	0.00	3.74	0.97	0.00	0.00	0.02	0.00
3.76	0.97	0.00	0.00	0.02	0.01	3.78	0.99	0.00	0.00	0.02	0.00
3.80	0.98	0.00	0.00	0.02	0.00	3.82	0.92	0.00	0.00	0.02	0.01
3.84	0.87	0.00	0.00	0.02	0.02	3.86	0.84	0.00	0.00	0.02	0.03
3.88	0.84	0.00	0.00	0.02	0.03	3.90	0.85	0.00	0.00	0.02	0.02
3.92	0.86	0.00	0.00	0.02	0.02	3.94	0.86	0.00	0.00	0.02	0.02
3.96	0.85	0.00	0.00	0.02	0.02	3.98	0.85	0.00	0.00	0.02	0.02
4.00	0.85	0.00	0.00	0.02	0.02	4.02	0.85	0.00	0.00	0.02	0.02
4.04	0.88	0.00	0.00	0.02	0.02	4.06	0.90	0.00	0.00	0.02	0.02
4.08	0.90	0.00	0.00	0.02	0.02	4.10	0.90	0.00	0.00	0.02	0.02
4.12	0.90	0.00	0.00	0.02	0.02	4.14	0.90	0.00	0.00	0.02	0.02
4.16	0.91	0.00	0.00	0.02	0.01	4.18	0.92	0.00	0.00	0.02	0.01
4.20	0.93	0.00	0.00	0.02	0.01	4.22	0.94	0.00	0.00	0.02	0.01
4.24	0.94	0.00	0.00	0.02	0.01	4.26	0.94	0.00	0.00	0.02	0.01
4.28	0.95	0.00	0.00	0.02	0.01	4.30	0.95	0.00	0.00	0.02	0.01
4.32	0.94	0.00	0.00	0.02	0.01	4.34	0.95	0.00	0.00	0.02	0.01
4.36	0.96	0.00	0.00	0.02	0.01	4.38	0.96	0.00	0.00	0.02	0.01
4.40	0.95	0.00	0.00	0.02	0.01	4.42	0.97	0.00	0.00	0.02	0.01
4.44	0.98	0.00	0.00	0.02	0.00	4.46	0.98	0.00	0.00	0.02	0.00
4.48	0.97	0.00	0.00	0.02	0.00	4.50	0.94	0.00	0.00	0.02	0.01
4.52	0.89	0.00	0.00	0.02	0.02	4.54	0.99	0.00	0.00	0.02	0.00
4.56	1.03	0.00	0.00	0.02	0.00	4.58	1.01	0.00	0.00	0.02	0.00
4.60	0.95	0.00	0.00	0.02	0.01	4.62	0.92	0.00	0.00	0.02	0.01
4.64	0.89	0.00	0.00	0.02	0.02	4.66	0.86	0.00	0.00	0.02	0.02
4.68	0.84	0.00	0.00	0.02	0.02	4.70	0.85	0.00	0.00	0.02	0.02
4.72	0.86	0.00	0.00	0.02	0.02	4.74	0.82	0.00	0.00	0.02	0.03
4.76	0.84	0.00	0.00	0.02	0.02	4.78	0.86	0.00	0.00	0.02	0.02
4.80	0.89	0.00	0.00	0.02	0.02	4.82	0.93	0.00	0.00	0.02	0.01
4.84	1.01	0.00	0.00	0.02	0.00	4.86	1.11	0.00	0.00	0.02	0.00
4.88	1.24	0.00	0.00	0.02	0.00	4.90	1.37	0.00	0.00	0.02	0.00
4.92	1.39	0.00	0.00	0.02	0.00	4.94	1.35	0.00	0.00	0.02	0.00
4.96	1.23	0.00	0.00	0.02	0.00	4.98	1.18	0.00	0.00	0.02	0.00
5.00	1.17	0.00	0.00	0.02	0.00	5.02	1.19	0.00	0.00	0.02	0.00
5.04	1.16	0.00	0.00	0.02	0.00	5.06	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.08	1.05	0.00	0.00	0.02	0.00	5.10	1.05	0.00	0.00	0.02	0.00
5.12	1.11	0.00	0.00	0.02	0.00	5.14	1.21	0.00	0.00	0.02	0.00
5.16	1.34	0.00	0.00	0.02	0.00	5.18	1.40	0.00	0.00	0.02	0.00
5.20	1.41	0.00	0.00	0.02	0.00	5.22	1.35	0.00	0.00	0.02	0.00
5.24	1.25	0.00	0.00	0.02	0.00	5.26	1.17	0.00	0.00	0.02	0.00
5.28	1.04	0.00	0.00	0.02	0.00	5.30	0.95	0.00	0.00	0.02	0.01
5.32	1.11	0.00	0.00	0.02	0.00	5.34	1.27	0.00	0.00	0.02	0.00
5.36	1.14	0.00	0.00	0.02	0.00	5.38	1.07	0.00	0.00	0.02	0.00
5.40	1.10	0.00	0.00	0.02	0.00	5.42	1.09	0.00	0.00	0.02	0.00
5.44	1.09	0.00	0.00	0.02	0.00	5.46	1.05	0.00	0.00	0.02	0.00
5.48	1.00	0.00	0.00	0.02	0.00	5.50	0.97	0.00	0.00	0.02	0.00
5.52	0.88	0.00	0.00	0.02	0.02	5.54	0.84	0.00	0.00	0.02	0.02
5.56	0.85	0.00	0.00	0.02	0.02	5.58	0.84	0.00	0.00	0.02	0.02
5.60	0.81	0.00	0.00	0.02	0.03	5.62	0.79	0.00	0.00	0.02	0.03
5.64	0.78	0.00	0.00	0.02	0.03	5.66	0.77	0.00	0.00	0.02	0.03
5.68	0.77	0.00	0.00	0.02	0.03	5.70	0.77	0.00	0.00	0.02	0.03
5.72	0.78	0.00	0.00	0.02	0.03	5.74	0.80	0.00	0.00	0.02	0.03
5.76	0.82	0.00	0.00	0.02	0.03	5.78	0.82	0.00	0.00	0.02	0.02
5.80	0.83	0.00	0.00	0.02	0.02	5.82	0.85	0.00	0.00	0.02	0.02
5.84	0.87	0.00	0.00	0.02	0.02	5.86	0.89	0.00	0.00	0.02	0.02
5.88	0.93	0.00	0.00	0.02	0.01	5.90	0.93	0.00	0.00	0.02	0.01
5.92	0.88	0.00	0.00	0.02	0.02	5.94	0.85	0.00	0.00	0.02	0.02
5.96	0.81	0.00	0.00	0.02	0.03	5.98	0.75	0.00	0.00	0.02	0.03
6.00	0.70	0.00	0.00	0.02	0.04	6.02	0.68	0.00	0.00	0.02	0.05
6.04	0.68	0.00	0.00	0.02	0.04	6.06	0.69	0.00	0.00	0.02	0.04
6.08	0.69	0.00	0.00	0.02	0.04	6.10	0.71	0.00	0.00	0.02	0.04
6.12	0.70	0.00	0.00	0.02	0.04	6.14	0.69	0.00	0.00	0.02	0.04
6.16	0.69	0.00	0.00	0.02	0.04	6.18	0.68	0.00	0.00	0.02	0.04
6.20	0.69	0.00	0.00	0.02	0.04	6.22	0.69	0.00	0.00	0.02	0.04
6.24	0.69	0.00	0.00	0.02	0.04	6.26	0.68	0.00	0.00	0.02	0.04
6.28	0.68	0.00	0.00	0.02	0.04	6.30	0.68	0.00	0.00	0.02	0.04
6.32	0.68	0.00	0.00	0.02	0.04	6.34	0.68	0.00	0.00	0.02	0.04
6.36	0.68	0.00	0.00	0.02	0.04	6.38	0.68	0.00	0.00	0.02	0.04
6.40	0.68	0.00	0.00	0.02	0.04	6.42	0.69	0.00	0.00	0.02	0.04
6.44	0.70	0.00	0.00	0.02	0.04	6.46	0.71	0.00	0.00	0.02	0.04
6.48	0.74	0.00	0.00	0.02	0.03	6.50	0.78	0.00	0.00	0.02	0.03
6.52	0.80	0.00	0.00	0.02	0.03	6.54	0.79	0.00	0.00	0.02	0.03
6.56	0.75	0.00	0.00	0.02	0.03	6.58	0.74	0.00	0.00	0.02	0.04
6.60	0.73	0.00	0.00	0.02	0.04	6.62	0.75	0.00	0.00	0.02	0.03
6.64	0.74	0.00	0.00	0.02	0.03	6.66	0.73	0.00	0.00	0.02	0.04
6.68	0.74	0.00	0.00	0.02	0.04	6.70	0.76	0.00	0.00	0.02	0.03
6.72	0.77	0.00	0.00	0.02	0.03	6.74	0.81	0.00	0.00	0.02	0.03
6.76	0.85	0.00	0.00	0.02	0.02	6.78	0.95	0.00	0.00	0.02	0.01
6.80	0.99	0.00	0.00	0.02	0.00	6.82	1.06	0.00	0.00	0.02	0.00
6.84	1.08	0.00	0.00	0.02	0.00	6.86	1.04	0.00	0.00	0.02	0.00
6.88	0.99	0.00	0.00	0.02	0.00	6.90	0.97	0.00	0.00	0.02	0.00
6.92	0.96	0.00	0.00	0.02	0.00	6.94	0.97	0.00	0.00	0.02	0.00
6.96	0.96	0.00	0.00	0.02	0.01	6.98	0.93	0.00	0.00	0.02	0.01
7.00	0.89	0.00	0.00	0.02	0.01	7.02	0.84	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.04	0.82	0.00	0.00	0.02	0.02	7.06	0.81	0.00	0.00	0.02	0.02
7.08	0.82	0.00	0.00	0.02	0.02	7.10	0.82	0.00	0.00	0.02	0.02
7.12	0.83	0.00	0.00	0.02	0.02	7.14	0.84	0.00	0.00	0.02	0.02
7.16	0.87	0.00	0.00	0.02	0.02	7.18	0.89	0.00	0.00	0.02	0.01
7.20	0.89	0.00	0.00	0.02	0.01	7.22	0.84	0.00	0.00	0.02	0.02
7.24	0.78	0.00	0.00	0.02	0.03	7.26	0.74	0.00	0.00	0.02	0.03
7.28	0.70	0.00	0.00	0.02	0.04	7.30	0.68	0.00	0.00	0.02	0.04
7.32	0.67	0.33	0.80	0.02	0.04	7.34	0.67	0.33	0.79	0.02	0.04
7.36	0.66	0.34	0.77	0.02	0.04	7.38	0.64	0.36	0.73	0.02	0.05
7.40	0.64	0.36	0.71	0.02	0.05	7.42	0.63	0.37	0.70	0.02	0.05
7.44	0.64	0.36	0.71	0.02	0.05	7.46	0.65	0.35	0.74	0.02	0.04
7.48	0.64	0.36	0.73	0.02	0.04	7.50	0.64	0.36	0.73	0.02	0.04
7.52	0.64	0.36	0.72	0.02	0.05	7.54	0.65	0.35	0.75	0.02	0.04
7.56	0.65	0.35	0.75	0.02	0.04	7.58	0.64	0.36	0.72	0.02	0.04
7.60	0.65	0.35	0.74	0.02	0.04	7.62	0.66	0.34	0.79	0.02	0.04
7.64	0.69	0.00	0.00	0.02	0.04	7.66	0.68	0.00	0.00	0.02	0.04
7.68	0.65	0.35	0.76	0.02	0.04	7.70	0.71	0.00	0.00	0.02	0.04
7.72	0.66	0.34	0.78	0.02	0.04	7.74	0.68	0.00	0.00	0.02	0.04
7.76	0.69	0.00	0.00	0.02	0.04	7.78	0.70	0.00	0.00	0.02	0.04
7.80	0.73	0.00	0.00	0.02	0.03	7.82	0.78	0.00	0.00	0.02	0.03
7.84	0.78	0.00	0.00	0.02	0.03	7.86	0.85	0.00	0.00	0.02	0.02
7.88	0.89	0.00	0.00	0.02	0.01	7.90	0.93	0.00	0.00	0.02	0.01
7.92	0.97	0.00	0.00	0.02	0.00	7.94	0.96	0.00	0.00	0.02	0.01
7.96	0.92	0.00	0.00	0.02	0.01	7.98	0.85	0.00	0.00	0.02	0.02
8.00	0.79	0.00	0.00	0.02	0.03	8.02	0.73	0.00	0.00	0.02	0.03
8.04	0.68	0.00	0.00	0.02	0.04	8.06	0.66	0.34	0.79	0.02	0.04
8.08	0.67	0.00	0.00	0.02	0.04	8.10	0.70	0.00	0.00	0.02	0.04
8.12	0.68	0.00	0.00	0.02	0.04	8.14	0.70	0.00	0.00	0.02	0.04
8.16	0.76	0.00	0.00	0.02	0.03	8.18	0.87	0.00	0.00	0.02	0.02
8.20	0.98	0.00	0.00	0.02	0.00	8.22	1.03	0.00	0.00	0.02	0.00
8.24	1.01	0.00	0.00	0.02	0.00	8.26	1.01	0.00	0.00	0.02	0.00
8.28	1.01	0.00	0.00	0.02	0.00	8.30	1.01	0.00	0.00	0.02	0.00
8.32	0.99	0.00	0.00	0.02	0.00	8.34	0.96	0.00	0.00	0.02	0.00
8.36	0.93	0.00	0.00	0.02	0.01	8.38	0.90	0.00	0.00	0.02	0.01
8.40	0.89	0.00	0.00	0.02	0.01	8.42	0.85	0.00	0.00	0.02	0.02
8.44	0.81	0.00	0.00	0.02	0.02	8.46	0.76	0.00	0.00	0.02	0.03
8.48	0.71	0.00	0.00	0.02	0.03	8.50	0.66	0.34	0.79	0.02	0.04
8.52	0.65	0.35	0.75	0.02	0.04	8.54	0.63	0.37	0.70	0.02	0.04
8.56	0.62	0.38	0.67	0.02	0.04	8.58	0.61	0.39	0.65	0.02	0.04
8.60	0.60	0.40	0.63	0.02	0.05	8.62	0.60	0.40	0.64	0.02	0.05
8.64	0.60	0.40	0.63	0.02	0.05	8.66	0.59	0.41	0.61	0.02	0.05
8.68	0.60	0.40	0.63	0.02	0.05	8.70	0.65	0.35	0.75	0.02	0.04
8.72	0.66	0.34	0.78	0.02	0.04	8.74	0.69	0.00	0.00	0.02	0.04
8.76	0.75	0.00	0.00	0.02	0.03	8.78	0.88	0.00	0.00	0.02	0.01
8.80	0.92	0.00	0.00	0.02	0.01	8.82	0.91	0.00	0.00	0.02	0.01
8.84	0.89	0.00	0.00	0.02	0.01	8.86	0.89	0.00	0.00	0.02	0.01
8.88	0.86	0.00	0.00	0.02	0.02	8.90	0.83	0.00	0.00	0.02	0.02
8.92	0.81	0.00	0.00	0.02	0.02	8.94	0.81	0.00	0.00	0.02	0.02
8.96	0.84	0.00	0.00	0.02	0.02	8.98	0.83	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.00	0.83	0.00	0.00	0.02	0.02	9.02	0.79	0.00	0.00	0.02	0.02
9.04	0.73	0.00	0.00	0.02	0.03	9.06	0.69	0.00	0.00	0.02	0.03
9.08	0.69	0.00	0.00	0.02	0.03	9.10	0.67	0.00	0.00	0.02	0.04
9.12	0.72	0.00	0.00	0.02	0.03	9.14	0.73	0.00	0.00	0.02	0.03
9.16	0.74	0.00	0.00	0.02	0.03	9.18	0.77	0.00	0.00	0.02	0.03
9.20	0.83	0.00	0.00	0.02	0.02	9.22	0.90	0.00	0.00	0.02	0.01
9.24	0.95	0.00	0.00	0.02	0.01	9.26	1.00	0.00	0.00	0.02	0.00
9.28	1.06	0.00	0.00	0.02	0.00	9.30	1.14	0.00	0.00	0.02	0.00
9.32	1.25	0.00	0.00	0.02	0.00	9.34	1.35	0.00	0.00	0.02	0.00
9.36	1.44	0.00	0.00	0.02	0.00	9.38	1.44	0.00	0.00	0.02	0.00
9.40	1.32	0.00	0.00	0.02	0.00	9.42	1.16	0.00	0.00	0.02	0.00
9.44	1.00	0.00	0.00	0.02	0.00	9.46	0.88	0.00	0.00	0.02	0.01
9.48	0.90	0.00	0.00	0.02	0.01	9.50	0.92	0.00	0.00	0.02	0.01
9.52	0.94	0.00	0.00	0.02	0.01	9.54	0.93	0.00	0.00	0.02	0.01
9.56	0.81	0.00	0.00	0.02	0.02	9.58	0.89	0.00	0.00	0.02	0.01
9.60	1.01	0.00	0.00	0.02	0.00	9.62	1.06	0.00	0.00	0.02	0.00
9.64	1.14	0.00	0.00	0.02	0.00	9.66	1.19	0.00	0.00	0.02	0.00
9.68	1.34	0.00	0.00	0.02	0.00	9.70	1.39	0.00	0.00	0.02	0.00
9.72	1.32	0.00	0.00	0.02	0.00	9.74	1.24	0.00	0.00	0.02	0.00
9.76	1.23	0.00	0.00	0.02	0.00	9.78	1.26	0.00	0.00	0.02	0.00
9.80	1.29	0.00	0.00	0.02	0.00	9.82	1.30	0.00	0.00	0.02	0.00
9.84	1.30	0.00	0.00	0.02	0.00	9.86	2.00	0.00	0.00	0.02	0.00
9.88	2.00	0.00	0.00	0.02	0.00	9.90	2.00	0.00	0.00	0.02	0.00
9.92	2.00	0.00	0.00	0.02	0.00	9.94	2.00	0.00	0.00	0.02	0.00
9.96	2.00	0.00	0.00	0.02	0.00	9.98	2.00	0.00	0.00	0.02	0.00
10.00	2.00	0.00	0.00	0.02	0.00	10.02	2.00	0.00	0.00	0.02	0.00
10.04	2.00	0.00	0.00	0.02	0.00	10.06	2.00	0.00	0.00	0.02	0.00
10.08	2.00	0.00	0.00	0.02	0.00	10.10	2.00	0.00	0.00	0.02	0.00
10.12	2.00	0.00	0.00	0.02	0.00	10.14	2.00	0.00	0.00	0.02	0.00
10.16	2.00	0.00	0.00	0.02	0.00	10.18	2.00	0.00	0.00	0.02	0.00
10.20	2.00	0.00	0.00	0.02	0.00	10.22	1.93	0.00	0.00	0.02	0.00
10.24	1.98	0.00	0.00	0.02	0.00	10.26	2.00	0.00	0.00	0.02	0.00
10.28	1.91	0.00	0.00	0.02	0.00	10.30	1.57	0.00	0.00	0.02	0.00
10.32	1.35	0.00	0.00	0.02	0.00	10.34	1.20	0.00	0.00	0.02	0.00
10.36	1.20	0.00	0.00	0.02	0.00	10.38	1.25	0.00	0.00	0.02	0.00
10.40	1.37	0.00	0.00	0.02	0.00	10.42	1.60	0.00	0.00	0.02	0.00
10.44	1.91	0.00	0.00	0.02	0.00	10.46	2.00	0.00	0.00	0.02	0.00
10.48	2.00	0.00	0.00	0.02	0.00	10.50	2.00	0.00	0.00	0.02	0.00
10.52	2.00	0.00	0.00	0.02	0.00	10.54	1.92	0.00	0.00	0.02	0.00
10.56	1.80	0.00	0.00	0.02	0.00	10.58	1.63	0.00	0.00	0.02	0.00
10.60	1.47	0.00	0.00	0.02	0.00	10.62	1.37	0.00	0.00	0.02	0.00
10.64	1.30	0.00	0.00	0.02	0.00	10.66	1.19	0.00	0.00	0.02	0.00
10.68	1.13	0.00	0.00	0.02	0.00	10.70	1.11	0.00	0.00	0.02	0.00
10.72	1.11	0.00	0.00	0.02	0.00	10.74	1.12	0.00	0.00	0.02	0.00
10.76	1.12	0.00	0.00	0.02	0.00	10.78	1.08	0.00	0.00	0.02	0.00
10.80	1.04	0.00	0.00	0.02	0.00	10.82	1.00	0.00	0.00	0.02	0.00
10.84	0.90	0.00	0.00	0.02	0.01	10.86	0.82	0.00	0.00	0.02	0.02
10.88	0.79	0.00	0.00	0.02	0.02	10.90	0.75	0.00	0.00	0.02	0.02
10.92	0.73	0.00	0.00	0.02	0.02	10.94	0.72	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.96	0.71	0.00	0.00	0.02	0.03	10.98	0.71	0.00	0.00	0.02	0.03
11.00	0.71	0.00	0.00	0.02	0.03	11.02	0.71	0.00	0.00	0.02	0.03
11.04	0.72	0.00	0.00	0.02	0.02	11.06	0.74	0.00	0.00	0.02	0.02
11.08	0.76	0.00	0.00	0.02	0.02	11.10	0.77	0.00	0.00	0.02	0.02
11.12	0.82	0.00	0.00	0.02	0.02	11.14	0.88	0.00	0.00	0.02	0.01
11.16	0.94	0.00	0.00	0.02	0.00	11.18	1.04	0.00	0.00	0.02	0.00
11.20	1.13	0.00	0.00	0.02	0.00	11.22	1.23	0.00	0.00	0.02	0.00
11.24	1.36	0.00	0.00	0.02	0.00	11.26	1.54	0.00	0.00	0.02	0.00
11.28	1.70	0.00	0.00	0.02	0.00	11.30	1.74	0.00	0.00	0.02	0.00
11.32	1.64	0.00	0.00	0.02	0.00	11.34	1.35	0.00	0.00	0.02	0.00
11.36	1.13	0.00	0.00	0.02	0.00	11.38	1.00	0.00	0.00	0.02	0.00
11.40	0.94	0.00	0.00	0.02	0.00	11.42	0.90	0.00	0.00	0.02	0.01
11.44	0.89	0.00	0.00	0.02	0.01	11.46	0.89	0.00	0.00	0.02	0.01
11.48	0.92	0.00	0.00	0.02	0.01	11.50	0.95	0.00	0.00	0.02	0.00
11.52	1.00	0.00	0.00	0.02	0.00	11.54	1.07	0.00	0.00	0.02	0.00
11.56	1.12	0.00	0.00	0.02	0.00	11.58	1.16	0.00	0.00	0.02	0.00
11.60	1.13	0.00	0.00	0.02	0.00	11.62	1.02	0.00	0.00	0.02	0.00
11.64	0.91	0.00	0.00	0.02	0.01	11.66	0.82	0.00	0.00	0.02	0.02
11.68	0.75	0.00	0.00	0.02	0.02	11.70	0.73	0.00	0.00	0.02	0.02
11.72	0.72	0.00	0.00	0.02	0.02	11.74	0.72	0.00	0.00	0.02	0.02
11.76	0.73	0.00	0.00	0.02	0.02	11.78	0.76	0.00	0.00	0.02	0.02
11.80	0.76	0.00	0.00	0.02	0.02	11.82	0.82	0.00	0.00	0.02	0.02
11.84	0.86	0.00	0.00	0.02	0.01	11.86	0.92	0.00	0.00	0.02	0.01
11.88	0.98	0.00	0.00	0.02	0.00	11.90	0.98	0.00	0.00	0.02	0.00
11.92	0.92	0.00	0.00	0.02	0.01	11.94	0.89	0.00	0.00	0.02	0.01
11.96	0.86	0.00	0.00	0.02	0.01	11.98	0.85	0.00	0.00	0.02	0.01
12.00	0.84	0.00	0.00	0.02	0.01	12.02	0.86	0.00	0.00	0.02	0.01
12.04	0.89	0.00	0.00	0.02	0.01	12.06	0.94	0.00	0.00	0.02	0.01
12.08	1.00	0.00	0.00	0.02	0.00	12.10	1.12	0.00	0.00	0.02	0.00
12.12	1.23	0.00	0.00	0.02	0.00	12.14	1.33	0.00	0.00	0.02	0.00
12.16	1.33	0.00	0.00	0.02	0.00	12.18	1.19	0.00	0.00	0.02	0.00
12.20	1.05	0.00	0.00	0.02	0.00	12.22	0.95	0.00	0.00	0.02	0.00
12.24	0.88	0.00	0.00	0.02	0.01	12.26	0.86	0.00	0.00	0.02	0.01
12.28	0.85	0.00	0.00	0.02	0.01	12.30	0.85	0.00	0.00	0.02	0.01
12.31	0.85	0.00	0.00	0.02	0.01	12.33	0.87	0.00	0.00	0.02	0.01
12.35	0.90	0.00	0.00	0.02	0.01	12.37	0.96	0.00	0.00	0.02	0.00
12.39	0.99	0.00	0.00	0.02	0.00	12.41	0.98	0.00	0.00	0.02	0.00
12.43	0.90	0.00	0.00	0.02	0.01	12.45	0.82	0.00	0.00	0.02	0.01
12.47	0.79	0.00	0.00	0.02	0.02	12.49	0.77	0.00	0.00	0.02	0.02
12.51	0.78	0.00	0.00	0.02	0.02	12.53	0.79	0.00	0.00	0.02	0.02
12.55	0.82	0.00	0.00	0.02	0.01	12.57	0.87	0.00	0.00	0.02	0.01
12.59	0.94	0.00	0.00	0.02	0.00	12.61	1.00	0.00	0.00	0.02	0.00
12.63	1.02	0.00	0.00	0.02	0.00	12.65	0.98	0.00	0.00	0.02	0.00
12.67	0.94	0.00	0.00	0.02	0.00	12.69	0.88	0.00	0.00	0.02	0.01
12.71	0.86	0.00	0.00	0.02	0.01	12.73	0.86	0.00	0.00	0.02	0.01
12.75	0.89	0.00	0.00	0.02	0.01	12.77	0.94	0.00	0.00	0.02	0.00
12.79	1.04	0.00	0.00	0.02	0.00	12.81	1.13	0.00	0.00	0.02	0.00
12.83	1.34	0.00	0.00	0.02	0.00	12.85	1.62	0.00	0.00	0.02	0.00
12.87	1.81	0.00	0.00	0.02	0.00	12.89	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.91	2.00	0.00	0.00	0.02	0.00	12.93	2.00	0.00	0.00	0.02	0.00
12.95	2.00	0.00	0.00	0.02	0.00	12.97	2.00	0.00	0.00	0.02	0.00
12.99	2.00	0.00	0.00	0.02	0.00	13.01	1.99	0.00	0.00	0.02	0.00
13.03	2.00	0.00	0.00	0.02	0.00	13.05	2.00	0.00	0.00	0.02	0.00
13.07	2.00	0.00	0.00	0.02	0.00	13.09	2.00	0.00	0.00	0.02	0.00
13.11	1.95	0.00	0.00	0.02	0.00	13.13	1.82	0.00	0.00	0.02	0.00
13.15	1.79	0.00	0.00	0.02	0.00	13.17	1.69	0.00	0.00	0.02	0.00
13.19	1.53	0.00	0.00	0.02	0.00	13.21	1.39	0.00	0.00	0.02	0.00
13.23	1.20	0.00	0.00	0.02	0.00	13.25	1.07	0.00	0.00	0.02	0.00
13.27	1.05	0.00	0.00	0.02	0.00	13.29	1.18	0.00	0.00	0.02	0.00
13.31	1.25	0.00	0.00	0.02	0.00	13.33	1.30	0.00	0.00	0.02	0.00
13.35	1.15	0.00	0.00	0.02	0.00	13.37	1.07	0.00	0.00	0.02	0.00
13.39	0.99	0.00	0.00	0.02	0.00	13.41	0.94	0.00	0.00	0.02	0.00
13.43	0.88	0.00	0.00	0.02	0.01	13.45	0.93	0.00	0.00	0.02	0.00
13.47	0.89	0.00	0.00	0.02	0.01	13.49	0.88	0.00	0.00	0.02	0.01
13.51	0.90	0.00	0.00	0.02	0.01	13.53	0.88	0.00	0.00	0.02	0.01
13.55	0.84	0.00	0.00	0.02	0.01	13.57	0.81	0.00	0.00	0.02	0.01
13.59	0.85	0.00	0.00	0.02	0.01	13.61	0.86	0.00	0.00	0.02	0.01
13.63	0.86	0.00	0.00	0.02	0.01	13.65	0.82	0.00	0.00	0.02	0.01
13.67	0.81	0.00	0.00	0.02	0.01	13.69	0.83	0.00	0.00	0.02	0.01
13.71	0.90	0.00	0.00	0.02	0.01	13.73	0.93	0.00	0.00	0.02	0.00
13.75	0.92	0.00	0.00	0.02	0.01	13.77	0.88	0.00	0.00	0.02	0.01
13.79	2.00	0.00	0.00	0.02	0.00	13.81	2.00	0.00	0.00	0.02	0.00
13.83	2.00	0.00	0.00	0.02	0.00	13.85	2.00	0.00	0.00	0.02	0.00
13.87	0.83	0.00	0.00	0.02	0.01	13.89	0.84	0.00	0.00	0.02	0.01
13.91	0.84	0.00	0.00	0.02	0.01	13.93	0.89	0.00	0.00	0.02	0.01
13.95	0.91	0.00	0.00	0.02	0.01	13.97	0.78	0.00	0.00	0.02	0.01
13.99	0.91	0.00	0.00	0.02	0.01	14.01	0.97	0.00	0.00	0.02	0.00
14.03	0.96	0.00	0.00	0.02	0.00	14.05	0.95	0.00	0.00	0.02	0.00
14.07	0.97	0.00	0.00	0.02	0.00	14.09	1.05	0.00	0.00	0.02	0.00
14.11	1.17	0.00	0.00	0.02	0.00	14.13	1.32	0.00	0.00	0.02	0.00
14.15	1.44	0.00	0.00	0.02	0.00	14.17	1.55	0.00	0.00	0.02	0.00
14.19	1.66	0.00	0.00	0.02	0.00	14.21	1.71	0.00	0.00	0.02	0.00
14.23	1.74	0.00	0.00	0.02	0.00	14.25	1.77	0.00	0.00	0.02	0.00
14.27	1.64	0.00	0.00	0.02	0.00	14.29	1.47	0.00	0.00	0.02	0.00
14.31	1.28	0.00	0.00	0.02	0.00	14.33	1.12	0.00	0.00	0.02	0.00
14.35	1.03	0.00	0.00	0.02	0.00	14.37	0.99	0.00	0.00	0.02	0.00
14.39	0.98	0.00	0.00	0.02	0.00	14.41	1.03	0.00	0.00	0.02	0.00
14.43	1.09	0.00	0.00	0.02	0.00	14.45	1.23	0.00	0.00	0.02	0.00
14.47	1.29	0.00	0.00	0.02	0.00	14.49	1.25	0.00	0.00	0.02	0.00
14.51	1.21	0.00	0.00	0.02	0.00	14.53	1.17	0.00	0.00	0.02	0.00
14.55	1.13	0.00	0.00	0.02	0.00	14.57	1.08	0.00	0.00	0.02	0.00
14.59	0.98	0.00	0.00	0.02	0.00	14.61	0.92	0.00	0.00	0.02	0.00
14.63	0.92	0.00	0.00	0.02	0.00	14.65	0.94	0.00	0.00	0.02	0.00
14.67	0.98	0.00	0.00	0.02	0.00	14.69	1.00	0.00	0.00	0.02	0.00
14.71	1.01	0.00	0.00	0.02	0.00	14.73	0.99	0.00	0.00	0.02	0.00
14.75	0.93	0.00	0.00	0.02	0.00	14.77	0.87	0.00	0.00	0.02	0.01
14.79	0.80	0.00	0.00	0.02	0.01	14.81	0.73	0.00	0.00	0.02	0.01
14.83	0.75	0.00	0.00	0.02	0.01	14.85	0.75	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.87	0.76	0.00	0.00	0.02	0.01	14.89	0.77	0.00	0.00	0.02	0.01
14.91	0.80	0.00	0.00	0.02	0.01	14.93	0.83	0.00	0.00	0.02	0.01
14.95	0.87	0.00	0.00	0.02	0.01	14.97	0.88	0.00	0.00	0.02	0.01
14.99	0.90	0.00	0.00	0.02	0.01	15.01	0.90	0.00	0.00	0.02	0.00
15.03	0.92	0.00	0.00	0.02	0.00	15.05	0.97	0.00	0.00	0.02	0.00
15.07	0.99	0.00	0.00	0.02	0.00	15.09	0.94	0.00	0.00	0.02	0.00
15.11	0.87	0.00	0.00	0.02	0.01	15.13	0.89	0.00	0.00	0.02	0.01
15.15	0.88	0.00	0.00	0.02	0.01	15.17	0.76	0.00	0.00	0.02	0.01
15.19	0.74	0.00	0.00	0.02	0.01	15.21	0.75	0.00	0.00	0.02	0.01
15.23	0.75	0.00	0.00	0.02	0.01	15.25	0.76	0.00	0.00	0.02	0.01
15.27	0.79	0.00	0.00	0.02	0.01	15.29	0.86	0.00	0.00	0.02	0.01
15.31	0.96	0.00	0.00	0.02	0.00	15.33	1.07	0.00	0.00	0.02	0.00
15.35	1.21	0.00	0.00	0.02	0.00	15.37	1.47	0.00	0.00	0.02	0.00
15.39	1.59	0.00	0.00	0.02	0.00	15.41	1.59	0.00	0.00	0.02	0.00
15.43	1.44	0.00	0.00	0.02	0.00	15.45	1.35	0.00	0.00	0.02	0.00
15.47	1.32	0.00	0.00	0.02	0.00	15.49	1.28	0.00	0.00	0.02	0.00
15.51	1.26	0.00	0.00	0.02	0.00	15.53	1.26	0.00	0.00	0.02	0.00
15.55	1.25	0.00	0.00	0.02	0.00	15.57	1.17	0.00	0.00	0.02	0.00
15.59	1.14	0.00	0.00	0.02	0.00	15.61	1.14	0.00	0.00	0.02	0.00
15.63	1.20	0.00	0.00	0.02	0.00	15.65	1.31	0.00	0.00	0.02	0.00
15.67	1.38	0.00	0.00	0.02	0.00	15.69	1.38	0.00	0.00	0.02	0.00
15.71	1.29	0.00	0.00	0.02	0.00	15.73	1.28	0.00	0.00	0.02	0.00
15.75	1.31	0.00	0.00	0.02	0.00	15.77	1.37	0.00	0.00	0.02	0.00
15.79	1.37	0.00	0.00	0.02	0.00	15.81	1.76	0.00	0.00	0.02	0.00
15.83	1.79	0.00	0.00	0.02	0.00	15.85	1.79	0.00	0.00	0.02	0.00
15.87	1.70	0.00	0.00	0.02	0.00	15.89	1.50	0.00	0.00	0.02	0.00
15.91	1.38	0.00	0.00	0.02	0.00	15.93	1.28	0.00	0.00	0.02	0.00
15.95	1.28	0.00	0.00	0.02	0.00	15.97	1.45	0.00	0.00	0.02	0.00
15.99	1.68	0.00	0.00	0.02	0.00	16.01	1.89	0.00	0.00	0.02	0.00
16.03	1.85	0.00	0.00	0.02	0.00	16.05	1.95	0.00	0.00	0.02	0.00
16.07	2.00	0.00	0.00	0.02	0.00	16.09	2.00	0.00	0.00	0.02	0.00
16.11	2.00	0.00	0.00	0.02	0.00	16.13	1.85	0.00	0.00	0.02	0.00
16.15	1.63	0.00	0.00	0.02	0.00	16.17	1.49	0.00	0.00	0.02	0.00
16.19	1.46	0.00	0.00	0.02	0.00	16.21	1.49	0.00	0.00	0.02	0.00
16.23	1.51	0.00	0.00	0.02	0.00	16.25	1.48	0.00	0.00	0.02	0.00
16.27	1.41	0.00	0.00	0.02	0.00	16.29	1.24	0.00	0.00	0.02	0.00
16.31	1.10	0.00	0.00	0.02	0.00	16.33	1.06	0.00	0.00	0.02	0.00
16.35	1.05	0.00	0.00	0.02	0.00	16.37	1.02	0.00	0.00	0.02	0.00
16.39	1.09	0.00	0.00	0.02	0.00	16.41	1.24	0.00	0.00	0.02	0.00
16.43	1.44	0.00	0.00	0.02	0.00	16.45	1.69	0.00	0.00	0.02	0.00
16.47	2.00	0.00	0.00	0.02	0.00	16.49	2.00	0.00	0.00	0.02	0.00
16.51	2.00	0.00	0.00	0.02	0.00	16.53	2.00	0.00	0.00	0.02	0.00
16.55	2.00	0.00	0.00	0.02	0.00	16.57	2.00	0.00	0.00	0.02	0.00
16.59	2.00	0.00	0.00	0.02	0.00	16.61	2.00	0.00	0.00	0.02	0.00
16.63	2.00	0.00	0.00	0.02	0.00	16.65	2.00	0.00	0.00	0.02	0.00
16.67	2.00	0.00	0.00	0.02	0.00	16.69	1.96	0.00	0.00	0.02	0.00
16.71	1.73	0.00	0.00	0.02	0.00	16.73	1.48	0.00	0.00	0.02	0.00
16.75	1.39	0.00	0.00	0.02	0.00	16.77	1.25	0.00	0.00	0.02	0.00
16.79	0.94	0.00	0.00	0.02	0.00	16.81	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.83	1.06	0.00	0.00	0.02	0.00	16.85	1.07	0.00	0.00	0.02	0.00
16.87	1.11	0.00	0.00	0.02	0.00	16.89	1.20	0.00	0.00	0.02	0.00
16.91	1.35	0.00	0.00	0.02	0.00	16.93	1.52	0.00	0.00	0.02	0.00
16.95	1.67	0.00	0.00	0.02	0.00	16.97	1.69	0.00	0.00	0.02	0.00
16.99	1.54	0.00	0.00	0.02	0.00	17.01	1.31	0.00	0.00	0.02	0.00
17.03	1.21	0.00	0.00	0.02	0.00	17.05	1.18	0.00	0.00	0.02	0.00
17.07	1.17	0.00	0.00	0.02	0.00	17.09	1.15	0.00	0.00	0.02	0.00
17.11	1.14	0.00	0.00	0.02	0.00	17.13	1.16	0.00	0.00	0.02	0.00
17.15	1.24	0.00	0.00	0.02	0.00	17.17	1.28	0.00	0.00	0.02	0.00
17.19	1.28	0.00	0.00	0.02	0.00	17.21	1.29	0.00	0.00	0.02	0.00
17.23	1.00	0.00	0.00	0.02	0.00	17.25	0.91	0.00	0.00	0.02	0.00
17.27	0.84	0.00	0.00	0.02	0.00	17.29	0.80	0.00	0.00	0.02	0.01
17.31	0.77	0.00	0.00	0.02	0.01	17.33	0.79	0.00	0.00	0.02	0.01
17.35	0.81	0.00	0.00	0.02	0.01	17.37	0.78	0.00	0.00	0.02	0.01
17.39	0.77	0.00	0.00	0.02	0.01	17.41	0.80	0.00	0.00	0.02	0.01
17.43	0.83	0.00	0.00	0.02	0.00	17.45	0.86	0.00	0.00	0.02	0.00
17.47	0.85	0.00	0.00	0.02	0.00	17.49	0.83	0.00	0.00	0.02	0.00
17.51	0.80	0.00	0.00	0.02	0.01	17.53	0.84	0.00	0.00	0.02	0.00
17.55	1.03	0.00	0.00	0.02	0.00	17.57	1.12	0.00	0.00	0.02	0.00
17.59	1.08	0.00	0.00	0.02	0.00	17.61	1.03	0.00	0.00	0.02	0.00
17.63	0.99	0.00	0.00	0.02	0.00	17.65	0.98	0.00	0.00	0.02	0.00
17.67	0.95	0.00	0.00	0.02	0.00	17.69	0.95	0.00	0.00	0.02	0.00
17.71	0.98	0.00	0.00	0.02	0.00	17.73	0.99	0.00	0.00	0.02	0.00
17.75	1.00	0.00	0.00	0.02	0.00	17.77	0.97	0.00	0.00	0.02	0.00
17.79	0.97	0.00	0.00	0.02	0.00	17.81	0.92	0.00	0.00	0.02	0.00
17.83	0.91	0.00	0.00	0.02	0.00	17.85	0.89	0.00	0.00	0.02	0.00
17.87	0.94	0.00	0.00	0.02	0.00	17.89	0.93	0.00	0.00	0.02	0.00
17.91	0.94	0.00	0.00	0.02	0.00	17.92	0.90	0.00	0.00	0.02	0.00
17.94	0.79	0.00	0.00	0.02	0.00	17.96	0.74	0.00	0.00	0.02	0.01
17.98	0.75	0.00	0.00	0.02	0.00	18.00	0.74	0.00	0.00	0.02	0.01
18.02	0.77	0.00	0.00	0.02	0.00	18.04	0.83	0.00	0.00	0.02	0.00
18.06	0.99	0.00	0.00	0.02	0.00	18.08	1.01	0.00	0.00	0.02	0.00
18.10	0.98	0.00	0.00	0.02	0.00	18.12	0.95	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	0.94	0.00	0.00	0.02	0.00	18.20	0.96	0.00	0.00	0.02	0.00
18.22	0.97	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.30	1.06	0.00	0.00	0.02	0.00	18.32	1.07	0.00	0.00	0.02	0.00
18.34	1.03	0.00	0.00	0.02	0.00	18.36	2.00	0.00	0.00	0.02	0.00
18.38	2.00	0.00	0.00	0.02	0.00	18.40	0.97	0.00	0.00	0.02	0.00
18.42	1.02	0.00	0.00	0.02	0.00	18.44	0.85	0.00	0.00	0.02	0.00
18.46	0.84	0.00	0.00	0.02	0.00	18.48	0.83	0.00	0.00	0.02	0.00
18.50	0.83	0.00	0.00	0.02	0.00	18.52	0.86	0.00	0.00	0.02	0.00
18.54	0.86	0.00	0.00	0.02	0.00	18.56	0.86	0.00	0.00	0.02	0.00
18.58	0.87	0.00	0.00	0.02	0.00	18.60	0.90	0.00	0.00	0.02	0.00
18.62	0.93	0.00	0.00	0.02	0.00	18.64	0.94	0.00	0.00	0.02	0.00
18.66	0.95	0.00	0.00	0.02	0.00	18.68	0.99	0.00	0.00	0.02	0.00
18.70	1.00	0.00	0.00	0.02	0.00	18.72	0.99	0.00	0.00	0.02	0.00
18.74	0.99	0.00	0.00	0.02	0.00	18.76	1.02	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.78	1.00	0.00	0.00	0.02	0.00	18.80	0.98	0.00	0.00	0.02	0.00
18.82	0.97	0.00	0.00	0.02	0.00	18.84	0.97	0.00	0.00	0.02	0.00
18.86	0.91	0.00	0.00	0.02	0.00	18.88	0.87	0.00	0.00	0.02	0.00
18.90	0.85	0.00	0.00	0.02	0.00	18.92	0.85	0.00	0.00	0.02	0.00
18.94	0.86	0.00	0.00	0.02	0.00	18.96	0.87	0.00	0.00	0.02	0.00
18.98	0.88	0.00	0.00	0.02	0.00	19.00	0.87	0.00	0.00	0.02	0.00
19.02	0.89	0.00	0.00	0.02	0.00	19.04	0.89	0.00	0.00	0.02	0.00
19.06	0.90	0.00	0.00	0.02	0.00	19.08	0.96	0.00	0.00	0.02	0.00
19.10	1.10	0.00	0.00	0.02	0.00	19.12	1.23	0.00	0.00	0.02	0.00
19.14	1.32	0.00	0.00	0.02	0.00	19.16	1.33	0.00	0.00	0.02	0.00
19.18	1.32	0.00	0.00	0.02	0.00	19.20	1.29	0.00	0.00	0.02	0.00
19.22	1.26	0.00	0.00	0.02	0.00	19.24	1.16	0.00	0.00	0.02	0.00
19.26	1.09	0.00	0.00	0.02	0.00	19.28	1.04	0.00	0.00	0.02	0.00
19.30	1.03	0.00	0.00	0.02	0.00	19.32	1.03	0.00	0.00	0.02	0.00
19.34	1.03	0.00	0.00	0.02	0.00	19.36	1.05	0.00	0.00	0.02	0.00
19.38	1.10	0.00	0.00	0.02	0.00	19.40	1.16	0.00	0.00	0.02	0.00
19.42	1.24	0.00	0.00	0.02	0.00	19.44	1.27	0.00	0.00	0.02	0.00
19.46	1.31	0.00	0.00	0.02	0.00	19.48	1.37	0.00	0.00	0.02	0.00
19.50	1.42	0.00	0.00	0.02	0.00	19.52	1.38	0.00	0.00	0.02	0.00
19.54	1.31	0.00	0.00	0.02	0.00	19.56	1.26	0.00	0.00	0.02	0.00
19.58	1.22	0.00	0.00	0.02	0.00	19.60	1.10	0.00	0.00	0.02	0.00
19.62	1.07	0.00	0.00	0.02	0.00	19.64	1.07	0.00	0.00	0.02	0.00
19.66	1.10	0.00	0.00	0.02	0.00	19.68	1.21	0.00	0.00	0.02	0.00
19.70	1.40	0.00	0.00	0.02	0.00	19.72	1.61	0.00	0.00	0.02	0.00
19.74	1.69	0.00	0.00	0.02	0.00	19.76	1.48	0.00	0.00	0.02	0.00
19.78	1.16	0.00	0.00	0.02	0.00	19.80	1.35	0.00	0.00	0.02	0.00
19.82	1.37	0.00	0.00	0.02	0.00	19.84	1.44	0.00	0.00	0.02	0.00
19.86	1.51	0.00	0.00	0.02	0.00	19.88	1.59	0.00	0.00	0.02	0.00
19.90	1.64	0.00	0.00	0.02	0.00	19.92	1.75	0.00	0.00	0.02	0.00
19.94	1.81	0.00	0.00	0.02	0.00	19.96	1.66	0.00	0.00	0.02	0.00
19.98	1.37	0.00	0.00	0.02	0.00						

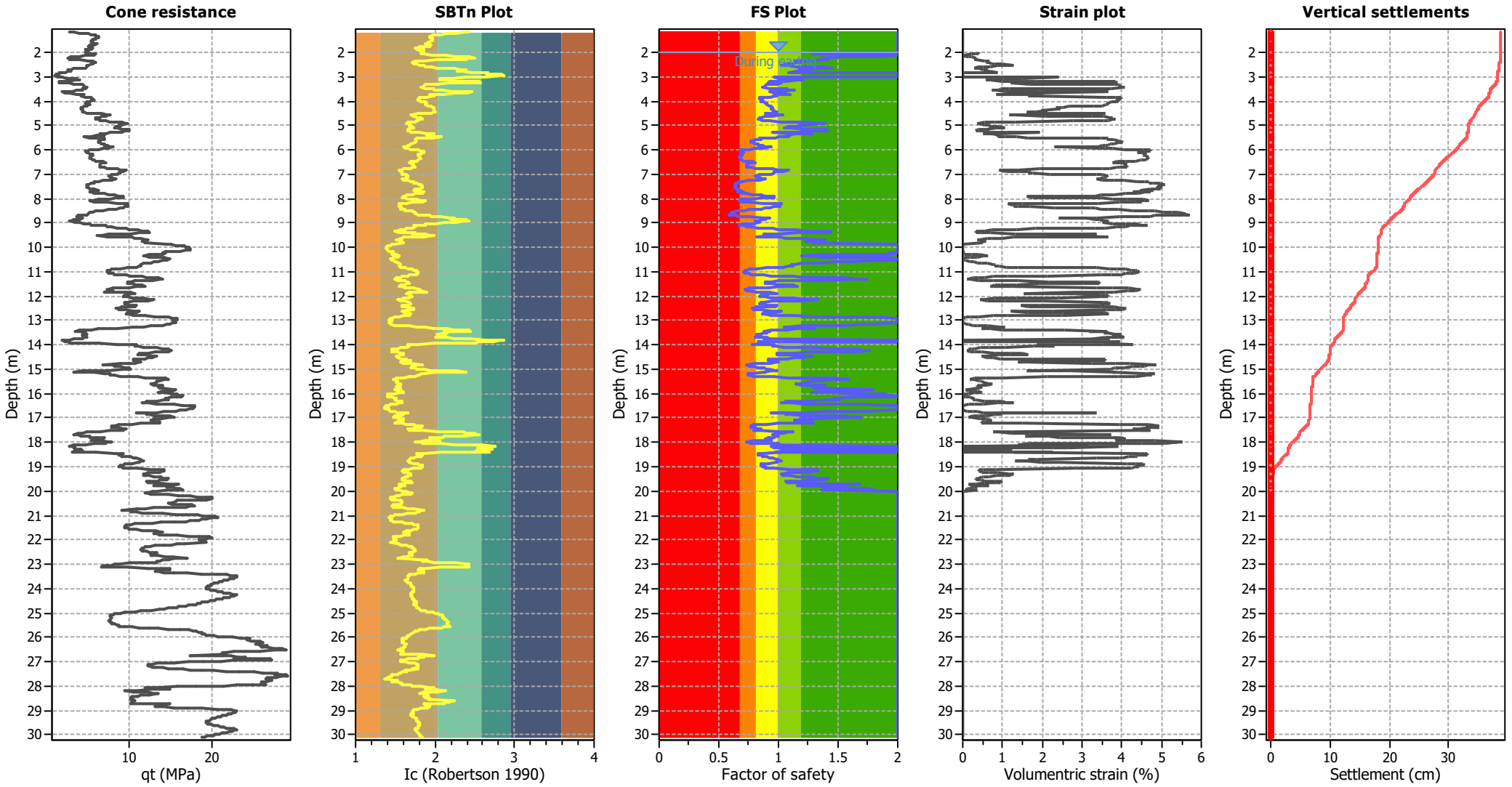
Overall liquefaction potential: 7.82

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.16	2.44	48.53	2.57	124.65	31	56864	0.10	0.004	0.00	3.58	0.00	0.000
1.18	2.37	56.62	2.23	126.46	31	61245	0.10	0.004	0.00	3.58	0.00	0.000
1.20	2.26	69.62	1.79	124.50	29	65427	0.09	0.004	0.00	3.58	0.00	0.000
1.22	2.18	80.50	1.57	126.56	28	68481	0.09	0.003	0.00	3.58	0.00	0.000
1.24	2.14	87.68	1.48	129.57	28	70334	0.08	0.003	0.00	3.58	0.00	0.000
1.26	2.07	93.82	1.38	129.83	28	69610	0.08	0.003	0.00	3.58	0.00	0.000
1.28	2.00	100.55	1.31	131.33	27	67779	0.08	0.004	0.00	3.58	0.00	0.000
1.30	1.97	101.38	1.29	130.35	27	66107	0.09	0.004	0.00	3.58	0.00	0.000
1.32	1.96	102.64	1.28	130.97	27	65771	0.09	0.004	0.00	3.58	0.00	0.000
1.34	1.95	105.50	1.27	133.72	27	66544	0.09	0.004	0.00	3.58	0.00	0.000
1.36	1.93	108.59	1.26	136.42	28	67050	0.09	0.004	0.00	3.58	0.00	0.000
1.38	1.94	107.60	1.26	135.97	28	67379	0.09	0.004	0.00	3.58	0.00	0.000
1.40	1.96	104.88	1.28	133.83	27	67218	0.09	0.004	0.00	3.58	0.00	0.000
1.42	1.97	102.32	1.28	131.30	27	66420	0.09	0.004	0.00	3.58	0.00	0.000
1.44	1.97	100.74	1.28	129.11	27	65207	0.09	0.004	0.00	3.58	0.00	0.000
1.46	1.98	98.35	1.29	126.82	26	64542	0.09	0.004	0.00	3.58	0.00	0.000
1.48	1.97	96.63	1.28	124.12	26	62867	0.09	0.005	0.00	3.58	0.00	0.000
1.50	1.97	94.36	1.28	121.17	25	61351	0.09	0.005	0.00	3.58	0.00	0.000
1.52	1.97	93.11	1.29	119.66	25	60642	0.09	0.005	0.00	3.58	0.00	0.000
1.54	1.96	92.29	1.27	117.55	24	58889	0.09	0.005	0.00	3.58	0.00	0.000
1.56	1.94	93.45	1.26	117.88	24	58275	0.09	0.005	0.00	3.58	0.00	0.000
1.58	1.92	95.51	1.25	119.53	24	58427	0.09	0.005	0.00	3.58	0.00	0.000
1.60	1.92	96.33	1.25	120.31	24	58637	0.09	0.005	0.00	3.58	0.00	0.000
1.62	1.90	98.96	1.24	122.32	25	58773	0.09	0.005	0.00	3.58	0.00	0.000
1.64	1.88	102.37	1.22	125.19	25	59334	0.09	0.005	0.00	3.58	0.00	0.000
1.66	1.87	102.78	1.22	125.26	25	59139	0.09	0.006	0.00	3.58	0.00	0.000
1.68	1.89	99.36	1.23	122.25	24	58389	0.09	0.006	0.00	3.58	0.00	0.000
1.70	1.93	92.67	1.26	116.38	24	57166	0.09	0.006	0.00	3.58	0.00	0.000
1.72	1.95	88.30	1.27	111.97	23	55764	0.09	0.006	0.01	3.58	0.00	0.000
1.74	1.93	87.54	1.25	109.86	22	53918	0.10	0.006	0.01	3.58	0.00	0.000
1.76	1.87	88.42	1.21	107.29	21	50408	0.10	0.007	0.01	3.58	0.00	0.000
1.78	1.81	91.03	1.17	106.24	21	48508	0.10	0.007	0.01	3.58	0.00	0.000
1.80	1.79	93.55	1.14	106.59	21	48321	0.10	0.008	0.01	3.58	0.00	0.000
1.82	1.76	96.11	1.10	105.95	20	47965	0.10	0.008	0.01	3.58	0.00	0.000
1.84	1.74	96.23	1.00	96.23	18	46896	0.10	0.008	0.01	3.58	0.00	0.000
1.86	1.77	91.80	1.11	101.87	19	46102	0.10	0.008	0.01	3.58	0.00	0.000
1.88	1.81	86.36	1.16	100.35	19	45742	0.10	0.008	0.01	3.58	0.00	0.000
1.90	1.85	79.44	1.20	95.64	19	44590	0.10	0.009	0.01	3.58	0.00	0.000
1.92	1.82	83.60	1.17	97.90	19	44774	0.10	0.009	0.01	3.58	0.00	0.000
1.94	1.80	85.30	1.15	98.17	19	44603	0.10	0.009	0.01	3.58	0.01	0.000
1.96	1.82	83.71	1.17	98.25	19	44981	0.10	0.009	0.01	3.58	0.00	0.000
1.98	1.84	81.99	1.19	97.81	19	45248	0.10	0.009	0.01	3.58	0.00	0.000
2.00	1.86	81.81	1.21	99.00	20	46387	0.10	0.009	0.01	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	94.86	1.28	0.40	1.00	0.01	2.04	96.05	1.29	0.39	1.00	0.01
2.06	99.78	1.34	0.35	1.00	0.01	2.08	109.39	1.52	0.22	1.00	0.00
2.10	123.66	1.91	0.03	1.00	0.00	2.12	125.40	1.96	0.01	1.00	0.00
2.14	126.65	2.00	0.00	1.00	0.00	2.16	122.01	1.83	0.07	1.00	0.00
2.18	116.31	1.65	0.15	1.00	0.00	2.20	111.47	1.53	0.22	1.00	0.00
2.22	104.04	1.37	0.34	1.00	0.01	2.24	106.04	1.40	0.31	1.00	0.01
2.26	106.69	1.41	0.31	1.00	0.01	2.28	104.13	1.36	0.35	1.00	0.01
2.30	107.81	1.42	0.30	1.00	0.01	2.32	107.33	1.40	0.31	1.00	0.01
2.34	95.31	1.20	0.55	1.00	0.01	2.36	91.15	1.14	0.67	1.00	0.01
2.38	92.34	1.15	0.65	1.00	0.01	2.40	95.44	1.19	0.57	1.00	0.01
2.42	94.43	1.17	0.61	1.00	0.01	2.44	93.22	1.15	0.66	1.00	0.01
2.46	91.73	1.13	0.72	1.00	0.01	2.48	90.31	1.10	0.79	1.00	0.02
2.50	87.02	1.06	0.99	1.00	0.02	2.52	84.35	1.03	1.26	1.00	0.03
2.54	85.29	1.04	1.20	1.00	0.02	2.56	90.04	1.09	0.87	1.00	0.02
2.58	94.74	1.14	0.69	1.00	0.01	2.60	101.61	1.24	0.51	1.00	0.01
2.62	109.03	1.36	0.36	1.00	0.01	2.64	113.43	1.45	0.29	1.00	0.01
2.66	113.54	1.45	0.29	1.00	0.01	2.68	108.56	1.34	0.38	1.00	0.01
2.70	103.55	1.25	0.50	1.00	0.01	2.72	99.67	1.18	0.60	1.00	0.01
2.74	99.12	1.17	0.63	1.00	0.01	2.76	100.05	1.18	0.61	1.00	0.01
2.78	101.94	1.21	0.56	1.00	0.01	2.80	98.39	1.15	0.68	1.00	0.01
2.82	94.04	1.09	0.87	1.00	0.02	2.84	29.66	2.00	0.00	1.00	0.00
2.86	26.86	2.00	0.00	1.00	0.00	2.88	27.15	2.00	0.00	1.00	0.00
2.90	24.16	2.00	0.00	1.00	0.00	2.92	20.59	2.00	0.00	1.00	0.00
2.94	18.39	2.00	0.00	1.00	0.00	2.96	18.79	2.00	0.00	1.00	0.00
2.98	22.78	2.00	0.00	1.00	0.00	3.00	22.76	2.00	0.00	1.00	0.00
3.02	85.50	0.97	2.42	1.00	0.05	3.04	89.29	1.00	1.51	1.00	0.03
3.06	94.05	1.06	1.04	1.00	0.02	3.08	99.67	1.13	0.76	1.00	0.02
3.10	104.43	1.20	0.60	1.00	0.01	3.12	105.02	1.20	0.59	1.00	0.01
3.14	102.02	1.15	0.69	1.00	0.01	3.16	95.78	1.07	0.99	1.00	0.02
3.18	88.93	0.98	1.83	1.00	0.04	3.20	83.50	0.93	3.85	1.00	0.08
3.22	82.45	0.92	3.89	1.00	0.08	3.24	89.56	0.98	1.81	1.00	0.04
3.26	93.80	1.03	1.23	1.00	0.02	3.28	90.58	0.99	1.67	1.00	0.03
3.30	84.72	0.93	3.79	1.00	0.08	3.32	81.72	0.90	3.93	1.00	0.08
3.34	80.84	0.89	3.97	1.00	0.08	3.36	80.99	0.89	3.96	1.00	0.08
3.38	81.21	0.89	3.95	1.00	0.08	3.40	80.65	0.88	3.98	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.42	78.81	0.86	4.07	1.00	0.08	3.44	78.64	0.86	4.08	1.00	0.08
3.46	85.96	0.93	3.74	1.00	0.07	3.48	96.15	1.03	1.18	1.00	0.02
3.50	99.73	1.08	0.94	1.00	0.02	3.52	100.63	1.09	0.90	1.00	0.02
3.54	104.29	1.14	0.74	1.00	0.01	3.56	101.86	1.10	0.85	1.00	0.02
3.58	98.59	1.06	1.05	1.00	0.02	3.60	91.70	0.97	1.95	1.00	0.04
3.62	87.88	0.93	3.66	1.00	0.07	3.64	92.76	0.98	1.78	1.00	0.04
3.66	95.27	1.01	1.41	1.00	0.03	3.68	95.07	1.00	1.45	1.00	0.03
3.70	100.29	1.07	0.99	1.00	0.02	3.72	102.97	1.10	0.85	1.00	0.02
3.74	92.52	0.97	1.97	1.00	0.04	3.76	92.42	0.97	2.02	1.00	0.04
3.78	94.25	0.99	1.66	1.00	0.03	3.80	93.73	0.98	1.78	1.00	0.04
3.82	88.61	0.92	3.63	1.00	0.07	3.84	83.76	0.87	3.83	1.00	0.08
3.86	80.09	0.84	4.00	1.00	0.08	3.88	80.53	0.84	3.98	1.00	0.08
3.90	81.86	0.85	3.92	1.00	0.08	3.92	82.90	0.86	3.87	1.00	0.08
3.94	83.16	0.86	3.86	1.00	0.08	3.96	82.35	0.85	3.90	1.00	0.08
3.98	82.13	0.85	3.91	1.00	0.08	4.00	81.91	0.85	3.92	1.00	0.08
4.02	82.66	0.85	3.88	1.00	0.08	4.04	85.94	0.88	3.74	1.00	0.07
4.06	87.62	0.90	3.67	1.00	0.07	4.08	88.53	0.90	3.63	1.00	0.07
4.10	88.17	0.90	3.65	1.00	0.07	4.12	88.64	0.90	3.63	1.00	0.07
4.14	88.81	0.90	3.62	1.00	0.07	4.16	89.45	0.91	3.59	1.00	0.07
4.18	91.13	0.92	3.53	1.00	0.07	4.20	91.63	0.93	3.30	1.00	0.07
4.22	92.87	0.94	2.66	1.00	0.05	4.24	93.31	0.94	2.51	1.00	0.05
4.26	93.45	0.94	2.49	1.00	0.05	4.28	94.01	0.95	2.33	1.00	0.05
4.30	93.95	0.95	2.37	1.00	0.05	4.32	93.81	0.94	2.45	1.00	0.05
4.34	94.15	0.95	2.36	1.00	0.05	4.36	95.58	0.96	1.98	1.00	0.04
4.38	95.46	0.96	2.03	1.00	0.04	4.40	95.19	0.95	2.12	1.00	0.04
4.42	96.43	0.97	1.85	1.00	0.04	4.44	97.60	0.98	1.65	1.00	0.03
4.46	98.00	0.98	1.60	1.00	0.03	4.48	97.15	0.97	1.75	1.00	0.04
4.50	94.55	0.94	2.43	1.00	0.05	4.52	90.01	0.89	3.57	1.00	0.07
4.54	98.58	0.99	1.56	1.00	0.03	4.56	102.24	1.03	1.17	1.00	0.02
4.58	100.62	1.01	1.33	1.00	0.03	4.60	96.06	0.95	2.08	1.00	0.04
4.62	93.24	0.92	3.26	1.00	0.07	4.64	90.18	0.89	3.57	1.00	0.07
4.66	86.75	0.86	3.70	1.00	0.07	4.68	85.19	0.84	3.77	1.00	0.08
4.70	86.02	0.85	3.74	1.00	0.07	4.72	87.36	0.86	3.68	1.00	0.07
4.74	83.38	0.82	3.85	1.00	0.08	4.76	85.67	0.84	3.75	1.00	0.08
4.78	88.12	0.86	3.65	1.00	0.07	4.80	90.77	0.89	3.54	1.00	0.07
4.82	94.72	0.93	2.78	1.00	0.06	4.84	101.61	1.01	1.31	1.00	0.03
4.86	108.89	1.11	0.82	1.00	0.02	4.88	115.98	1.24	0.55	1.00	0.01
4.90	122.16	1.37	0.38	1.00	0.01	4.92	123.10	1.39	0.36	1.00	0.01
4.94	121.20	1.35	0.41	1.00	0.01	4.96	115.98	1.23	0.56	1.00	0.01
4.98	113.10	1.18	0.66	1.00	0.01	5.00	112.44	1.17	0.68	1.00	0.01
5.02	113.60	1.19	0.64	1.00	0.01	5.04	112.39	1.16	0.69	1.00	0.01
5.06	107.37	1.08	0.93	1.00	0.02	5.08	105.37	1.05	1.05	1.00	0.02
5.10	105.59	1.05	1.04	1.00	0.02	5.12	109.31	1.11	0.83	1.00	0.02
5.14	115.03	1.21	0.60	1.00	0.01	5.16	121.50	1.34	0.41	1.00	0.01
5.18	123.82	1.40	0.35	1.00	0.01	5.20	124.38	1.41	0.34	1.00	0.01
5.22	121.89	1.35	0.40	1.00	0.01	5.24	117.25	1.25	0.54	1.00	0.01
5.26	113.10	1.17	0.68	1.00	0.01	5.28	105.43	1.04	1.08	1.00	0.02
5.30	98.46	0.95	1.95	1.00	0.04	5.32	109.71	1.11	0.83	1.00	0.02
5.34	118.78	1.27	0.50	1.00	0.01	5.36	111.91	1.14	0.74	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.38	107.61	1.07	0.95	1.00	0.02	5.40	109.51	1.10	0.85	1.00	0.02
5.42	108.66	1.09	0.90	1.00	0.02	5.44	108.80	1.09	0.89	1.00	0.02
5.46	106.00	1.05	1.07	1.00	0.02	5.48	102.91	1.00	1.34	1.00	0.03
5.50	100.49	0.97	1.65	1.00	0.03	5.52	92.14	0.88	3.49	1.00	0.07
5.54	88.18	0.84	3.65	1.00	0.07	5.56	89.02	0.85	3.61	1.00	0.07
5.58	87.57	0.84	3.67	1.00	0.07	5.60	84.38	0.81	3.81	1.00	0.08
5.62	82.22	0.79	3.90	1.00	0.08	5.64	81.04	0.78	3.96	1.00	0.08
5.66	80.31	0.77	3.99	1.00	0.08	5.68	80.04	0.77	4.01	1.00	0.08
5.70	80.36	0.77	3.99	1.00	0.08	5.72	81.63	0.78	3.93	1.00	0.08
5.74	84.16	0.80	3.82	1.00	0.08	5.76	85.85	0.82	3.74	1.00	0.07
5.78	86.84	0.82	3.70	1.00	0.07	5.80	87.99	0.83	3.65	1.00	0.07
5.82	90.03	0.85	3.57	1.00	0.07	5.84	91.85	0.87	3.50	1.00	0.07
5.86	94.07	0.89	3.42	1.00	0.07	5.88	98.12	0.93	2.32	1.00	0.05
5.90	97.51	0.93	2.53	1.00	0.05	5.92	93.04	0.88	3.46	1.00	0.07
5.94	89.91	0.85	3.58	1.00	0.07	5.96	85.55	0.81	3.76	1.00	0.08
5.98	78.65	0.75	4.08	1.00	0.08	6.00	70.48	0.70	4.52	1.00	0.09
6.02	67.29	0.68	4.72	1.00	0.09	6.04	67.47	0.68	4.71	1.00	0.09
6.06	69.78	0.69	4.56	1.00	0.09	6.08	70.05	0.69	4.55	1.00	0.09
6.10	72.52	0.71	4.40	1.00	0.09	6.12	71.00	0.70	4.49	1.00	0.09
6.14	69.57	0.69	4.57	1.00	0.09	6.16	68.88	0.69	4.62	1.00	0.09
6.18	68.85	0.68	4.62	1.00	0.09	6.20	69.66	0.69	4.57	1.00	0.09
6.22	70.17	0.69	4.54	1.00	0.09	6.24	69.46	0.69	4.58	1.00	0.09
6.26	68.98	0.68	4.61	1.00	0.09	6.28	68.27	0.68	4.66	1.00	0.09
6.30	68.37	0.68	4.65	1.00	0.09	6.32	67.66	0.68	4.69	1.00	0.09
6.34	68.34	0.68	4.65	1.00	0.09	6.36	68.62	0.68	4.63	1.00	0.09
6.38	68.18	0.68	4.66	1.00	0.09	6.40	68.93	0.68	4.61	1.00	0.09
6.42	70.52	0.69	4.52	1.00	0.09	6.44	71.49	0.70	4.46	1.00	0.09
6.46	73.31	0.71	4.36	1.00	0.09	6.48	78.39	0.74	4.09	1.00	0.08
6.50	83.18	0.78	3.86	1.00	0.08	6.52	85.61	0.80	3.75	1.00	0.08
6.54	83.90	0.79	3.83	1.00	0.08	6.56	79.96	0.75	4.01	1.00	0.08
6.58	77.87	0.74	4.11	1.00	0.08	6.60	77.24	0.73	4.15	1.00	0.08
6.62	78.87	0.75	4.06	1.00	0.08	6.64	78.15	0.74	4.10	1.00	0.08
6.66	77.22	0.73	4.15	1.00	0.08	6.68	77.66	0.74	4.12	1.00	0.08
6.70	81.06	0.76	3.96	1.00	0.08	6.72	82.81	0.77	3.88	1.00	0.08
6.74	86.66	0.81	3.71	1.00	0.07	6.76	91.46	0.85	3.52	1.00	0.07
6.78	100.76	0.95	1.94	1.00	0.04	6.80	104.50	0.99	1.38	1.00	0.03
6.82	109.11	1.06	1.00	1.00	0.02	6.84	110.66	1.08	0.91	1.00	0.02
6.86	107.53	1.04	1.11	1.00	0.02	6.88	104.14	0.99	1.43	1.00	0.03
6.90	102.48	0.97	1.65	1.00	0.03	6.92	102.11	0.96	1.71	1.00	0.03
6.94	102.58	0.97	1.64	1.00	0.03	6.96	101.88	0.96	1.76	1.00	0.04
6.98	99.86	0.93	2.19	1.00	0.04	7.00	95.36	0.89	3.37	1.00	0.07
7.02	91.31	0.84	3.52	1.00	0.07	7.04	88.87	0.82	3.62	1.00	0.07
7.06	87.48	0.81	3.67	1.00	0.07	7.08	88.37	0.82	3.64	1.00	0.07
7.10	88.82	0.82	3.62	1.00	0.07	7.12	89.48	0.83	3.59	1.00	0.07
7.14	90.58	0.84	3.55	1.00	0.07	7.16	93.91	0.87	3.42	1.00	0.07
7.18	95.63	0.89	3.36	1.00	0.07	7.20	95.90	0.89	3.35	1.00	0.07
7.22	91.27	0.84	3.52	1.00	0.07	7.24	84.67	0.78	3.79	1.00	0.08
7.26	79.05	0.74	4.06	1.00	0.08	7.28	73.00	0.70	4.37	1.00	0.09
7.30	69.64	0.68	4.57	1.00	0.09	7.32	67.82	0.67	4.68	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.34	67.56	0.67	4.70	1.00	0.09	7.36	65.99	0.66	4.80	1.00	0.10
7.38	63.51	0.64	4.97	1.00	0.10	7.40	62.40	0.64	5.05	1.00	0.10
7.42	62.08	0.63	5.08	1.00	0.10	7.44	62.49	0.64	5.05	1.00	0.10
7.46	64.57	0.65	4.90	1.00	0.10	7.48	63.61	0.64	4.97	1.00	0.10
7.50	63.88	0.64	4.95	1.00	0.10	7.52	63.03	0.64	5.01	1.00	0.10
7.54	65.03	0.65	4.87	1.00	0.10	7.56	65.08	0.65	4.86	1.00	0.10
7.58	63.53	0.64	4.97	1.00	0.10	7.60	64.90	0.65	4.88	1.00	0.10
7.62	67.41	0.66	4.71	1.00	0.09	7.64	71.39	0.69	4.47	1.00	0.09
7.66	70.85	0.68	4.50	1.00	0.09	7.68	66.14	0.65	4.79	1.00	0.10
7.70	74.39	0.71	4.30	1.00	0.09	7.72	67.43	0.66	4.71	1.00	0.09
7.74	69.62	0.68	4.57	1.00	0.09	7.76	72.35	0.69	4.41	1.00	0.09
7.78	72.78	0.70	4.39	1.00	0.09	7.80	78.52	0.73	4.08	1.00	0.08
7.82	84.35	0.78	3.81	1.00	0.08	7.84	84.49	0.78	3.80	1.00	0.08
7.86	92.37	0.85	3.48	1.00	0.07	7.88	96.88	0.89	3.32	1.00	0.07
7.90	99.94	0.93	2.30	1.00	0.05	7.92	103.25	0.97	1.62	1.00	0.03
7.94	102.41	0.96	1.75	1.00	0.03	7.96	98.78	0.92	2.70	1.00	0.05
7.98	92.54	0.85	3.48	1.00	0.07	8.00	85.62	0.79	3.75	1.00	0.08
8.02	77.58	0.73	4.13	1.00	0.08	8.04	70.24	0.68	4.53	1.00	0.09
8.06	67.94	0.66	4.68	1.00	0.09	8.08	69.32	0.67	4.59	1.00	0.09
8.10	73.56	0.70	4.34	1.00	0.09	8.12	70.95	0.68	4.49	1.00	0.09
8.14	73.22	0.70	4.36	1.00	0.09	8.16	81.53	0.76	3.94	1.00	0.08
8.18	94.74	0.87	3.39	1.00	0.07	8.20	103.99	0.98	1.52	1.00	0.03
8.22	107.70	1.03	1.14	1.00	0.02	8.24	106.72	1.01	1.23	1.00	0.02
8.26	106.16	1.01	1.28	1.00	0.03	8.28	106.18	1.01	1.27	1.00	0.03
8.30	106.26	1.01	1.27	1.00	0.03	8.32	104.96	0.99	1.40	1.00	0.03
8.34	102.76	0.96	1.69	1.00	0.03	8.36	99.95	0.93	2.30	1.00	0.05
8.38	97.70	0.90	3.23	1.00	0.06	8.40	96.30	0.89	3.34	1.00	0.07
8.42	92.36	0.85	3.48	1.00	0.07	8.44	88.03	0.81	3.65	1.00	0.07
8.46	81.68	0.76	3.93	1.00	0.08	8.48	74.83	0.71	4.27	1.00	0.09
8.50	67.82	0.66	4.68	1.00	0.09	8.52	65.61	0.65	4.83	1.00	0.10
8.54	62.38	0.63	5.06	1.00	0.10	8.56	59.54	0.62	5.27	1.00	0.11
8.58	57.83	0.61	5.41	1.00	0.11	8.60	55.73	0.60	5.59	1.00	0.11
8.62	57.05	0.60	5.47	1.00	0.11	8.64	56.35	0.60	5.53	1.00	0.11
8.66	54.45	0.59	5.70	1.00	0.11	8.68	55.97	0.60	5.57	1.00	0.11
8.70	65.81	0.65	4.82	1.00	0.10	8.72	67.10	0.66	4.73	1.00	0.09
8.74	71.38	0.69	4.47	1.00	0.09	8.76	81.20	0.75	3.95	1.00	0.08
8.78	95.19	0.88	3.38	1.00	0.07	8.80	99.62	0.92	2.41	1.00	0.05
8.82	97.97	0.91	3.10	1.00	0.06	8.84	96.46	0.89	3.33	1.00	0.07
8.86	96.49	0.89	3.33	1.00	0.07	8.88	93.51	0.86	3.44	1.00	0.07
8.90	89.94	0.83	3.58	1.00	0.07	8.92	87.88	0.81	3.66	1.00	0.07
8.94	88.30	0.81	3.64	1.00	0.07	8.96	91.53	0.84	3.51	1.00	0.07
8.98	90.56	0.83	3.55	1.00	0.07	9.00	90.66	0.83	3.55	1.00	0.07
9.02	85.38	0.79	3.76	1.00	0.08	9.04	78.03	0.73	4.11	1.00	0.08
9.06	72.32	0.69	4.41	1.00	0.09	9.08	71.32	0.69	4.47	1.00	0.09
9.10	68.45	0.67	4.64	1.00	0.09	9.12	76.18	0.72	4.20	1.00	0.08
9.14	78.10	0.73	4.10	1.00	0.08	9.16	79.33	0.74	4.04	1.00	0.08
9.18	82.88	0.77	3.87	1.00	0.08	9.20	89.77	0.83	3.58	1.00	0.07
9.22	96.93	0.90	3.32	1.00	0.07	9.24	101.71	0.95	1.85	1.00	0.04
9.26	105.06	1.00	1.37	1.00	0.03	9.28	109.44	1.06	1.01	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.30	114.27	1.14	0.75	1.00	0.01	9.32	120.09	1.25	0.53	1.00	0.01
9.34	124.48	1.35	0.40	1.00	0.01	9.36	127.68	1.44	0.32	1.00	0.01
9.38	127.65	1.44	0.32	1.00	0.01	9.40	122.90	1.32	0.45	1.00	0.01
9.42	115.65	1.16	0.69	1.00	0.01	9.44	105.53	1.00	1.31	1.00	0.03
9.46	95.39	0.88	3.37	1.00	0.07	9.48	96.53	0.90	3.33	1.00	0.07
9.50	98.29	0.92	2.77	1.00	0.06	9.52	100.31	0.94	2.10	1.00	0.04
9.54	99.27	0.93	2.39	1.00	0.05	9.56	88.03	0.81	3.65	1.00	0.07
9.58	95.86	0.89	3.35	1.00	0.07	9.60	105.80	1.01	1.27	1.00	0.03
9.62	109.56	1.06	0.98	1.00	0.02	9.64	114.07	1.14	0.75	1.00	0.01
9.66	116.89	1.19	0.63	1.00	0.01	9.68	123.61	1.34	0.42	1.00	0.01
9.70	125.87	1.39	0.36	1.00	0.01	9.72	123.00	1.32	0.44	1.00	0.01
9.74	119.16	1.24	0.55	1.00	0.01	9.76	118.68	1.23	0.57	1.00	0.01
9.78	120.39	1.26	0.51	1.00	0.01	9.80	121.69	1.29	0.47	1.00	0.01
9.82	122.08	1.30	0.46	1.00	0.01	9.84	121.98	1.30	0.46	1.00	0.01
9.86	146.31	2.00	0.00	1.00	0.00	9.88	147.54	2.00	0.00	1.00	0.00
9.90	151.86	2.00	0.00	1.00	0.00	9.92	157.06	2.00	0.00	1.00	0.00
9.94	163.62	2.00	0.00	1.00	0.00	9.96	167.42	2.00	0.00	1.00	0.00
9.98	169.10	2.00	0.00	1.00	0.00	10.00	170.80	2.00	0.00	1.00	0.00
10.02	172.82	2.00	0.00	1.00	0.00	10.04	173.21	2.00	0.00	1.00	0.00
10.06	174.28	2.00	0.00	1.00	0.00	10.08	174.22	2.00	0.00	1.00	0.00
10.10	173.19	2.00	0.00	1.00	0.00	10.12	172.09	2.00	0.00	1.00	0.00
10.14	168.68	2.00	0.00	1.00	0.00	10.16	161.78	2.00	0.00	1.00	0.00
10.18	150.04	2.00	0.00	1.00	0.00	10.20	143.11	2.00	0.00	1.00	0.00
10.22	140.72	1.93	0.03	1.00	0.00	10.24	141.80	1.98	0.01	1.00	0.00
10.26	143.62	2.00	0.00	1.00	0.00	10.28	140.13	1.91	0.04	1.00	0.00
10.30	131.45	1.57	0.22	1.00	0.00	10.32	123.45	1.35	0.41	1.00	0.01
10.34	116.56	1.20	0.62	1.00	0.01	10.36	116.73	1.20	0.61	1.00	0.01
10.38	119.27	1.25	0.53	1.00	0.01	10.40	124.33	1.37	0.38	1.00	0.01
10.42	132.18	1.60	0.20	1.00	0.00	10.44	140.03	1.91	0.04	1.00	0.00
10.46	145.04	2.00	0.00	1.00	0.00	10.48	146.52	2.00	0.00	1.00	0.00
10.50	146.83	2.00	0.00	1.00	0.00	10.52	143.14	2.00	0.00	1.00	0.00
10.54	140.15	1.92	0.03	1.00	0.00	10.56	137.48	1.80	0.09	1.00	0.00
10.58	132.83	1.63	0.18	1.00	0.00	10.60	127.95	1.47	0.29	1.00	0.01
10.62	124.18	1.37	0.38	1.00	0.01	10.64	120.98	1.30	0.47	1.00	0.01
10.66	116.01	1.19	0.63	1.00	0.01	10.68	112.66	1.13	0.76	1.00	0.02
10.70	111.32	1.11	0.82	1.00	0.02	10.72	111.27	1.11	0.82	1.00	0.02
10.74	111.69	1.12	0.80	1.00	0.02	10.76	111.61	1.12	0.80	1.00	0.02
10.78	109.56	1.08	0.91	1.00	0.02	10.80	106.59	1.04	1.10	1.00	0.02
10.82	103.39	1.00	1.38	1.00	0.03	10.84	95.39	0.90	3.37	1.00	0.07
10.86	86.66	0.82	3.71	1.00	0.07	10.88	82.52	0.79	3.89	1.00	0.08
10.90	77.88	0.75	4.11	1.00	0.08	10.92	75.12	0.73	4.26	1.00	0.09
10.94	73.21	0.72	4.36	1.00	0.09	10.96	72.52	0.71	4.40	1.00	0.09
10.98	71.90	0.71	4.44	1.00	0.09	11.00	71.78	0.71	4.44	1.00	0.09
11.02	72.29	0.71	4.41	1.00	0.09	11.04	73.75	0.72	4.33	1.00	0.09
11.06	76.08	0.74	4.21	1.00	0.08	11.08	78.52	0.76	4.08	1.00	0.08
11.10	80.51	0.77	3.98	1.00	0.08	11.12	85.79	0.82	3.75	1.00	0.07
11.14	92.90	0.88	3.46	1.00	0.07	11.16	98.65	0.94	2.11	1.00	0.04
11.18	105.80	1.04	1.12	1.00	0.02	11.20	111.78	1.13	0.77	1.00	0.02
11.22	117.23	1.23	0.57	1.00	0.01	11.24	123.14	1.36	0.39	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.26	129.56	1.54	0.24	1.00	0.00	11.28	134.31	1.70	0.14	1.00	0.00
11.30	135.39	1.74	0.12	1.00	0.00	11.32	132.62	1.64	0.17	1.00	0.00
11.34	122.70	1.35	0.40	1.00	0.01	11.36	111.78	1.13	0.77	1.00	0.02
11.38	102.61	1.00	1.40	1.00	0.03	11.40	98.20	0.94	2.15	1.00	0.04
11.42	94.70	0.90	3.40	1.00	0.07	11.44	93.15	0.89	3.45	1.00	0.07
11.46	93.27	0.89	3.45	1.00	0.07	11.48	95.77	0.92	3.03	1.00	0.06
11.50	98.93	0.95	1.95	1.00	0.04	11.52	102.98	1.00	1.34	1.00	0.03
11.54	107.79	1.07	0.96	1.00	0.02	11.56	110.99	1.12	0.79	1.00	0.02
11.58	112.95	1.16	0.70	1.00	0.01	11.60	111.35	1.13	0.77	1.00	0.02
11.62	103.77	1.02	1.25	1.00	0.02	11.64	95.02	0.91	3.37	1.00	0.07
11.66	85.29	0.82	3.77	1.00	0.08	11.68	76.89	0.75	4.16	1.00	0.08
11.70	72.89	0.73	4.38	1.00	0.09	11.72	71.50	0.72	4.46	1.00	0.09
11.74	71.46	0.72	4.46	1.00	0.09	11.76	73.37	0.73	4.35	1.00	0.09
11.78	77.01	0.76	4.16	1.00	0.08	11.80	77.49	0.76	4.13	1.00	0.08
11.82	84.63	0.82	3.80	1.00	0.08	11.84	89.88	0.86	3.58	1.00	0.07
11.86	95.87	0.92	2.76	1.00	0.06	11.88	100.88	0.98	1.53	1.00	0.03
11.90	100.42	0.98	1.59	1.00	0.03	11.92	95.63	0.92	2.83	1.00	0.06
11.94	92.23	0.89	3.49	1.00	0.07	11.96	89.32	0.86	3.60	1.00	0.07
11.98	88.18	0.85	3.65	1.00	0.07	12.00	87.56	0.84	3.67	1.00	0.07
12.02	88.98	0.86	3.61	1.00	0.07	12.04	92.14	0.89	3.49	1.00	0.07
12.06	96.52	0.94	2.41	1.00	0.05	12.08	102.06	1.00	1.35	1.00	0.03
12.10	109.87	1.12	0.81	1.00	0.02	12.12	116.06	1.23	0.57	1.00	0.01
12.14	120.69	1.33	0.43	1.00	0.01	12.16	120.97	1.33	0.42	1.00	0.01
12.18	114.26	1.19	0.62	1.00	0.01	12.20	105.40	1.05	1.05	1.00	0.02
12.22	97.63	0.95	2.03	1.00	0.04	12.24	90.86	0.88	3.54	1.00	0.07
12.26	89.00	0.86	3.61	1.00	0.07	12.28	87.74	0.85	3.66	1.00	0.07
12.30	87.11	0.85	3.69	1.00	0.07	12.31	87.05	0.85	3.69	1.00	0.07
12.33	89.82	0.87	3.58	1.00	0.07	12.35	92.73	0.90	3.47	1.00	0.07
12.37	97.82	0.96	1.93	1.00	0.04	12.39	100.73	0.99	1.45	1.00	0.03
12.41	99.29	0.98	1.65	1.00	0.03	12.43	92.26	0.90	3.49	1.00	0.07
12.45	84.11	0.82	3.82	1.00	0.08	12.47	80.08	0.79	4.01	1.00	0.08
12.49	77.94	0.77	4.11	1.00	0.08	12.51	78.16	0.78	4.10	1.00	0.08
12.53	79.91	0.79	4.01	1.00	0.08	12.55	83.91	0.82	3.83	1.00	0.08
12.57	88.67	0.87	3.63	1.00	0.07	12.59	96.16	0.94	2.28	1.00	0.05
12.61	100.61	1.00	1.43	1.00	0.03	12.63	102.73	1.02	1.21	1.00	0.02
12.65	98.97	0.98	1.65	1.00	0.03	12.67	95.38	0.94	2.51	1.00	0.05
12.69	90.09	0.88	3.57	1.00	0.07	12.71	88.28	0.86	3.64	1.00	0.07
12.73	88.25	0.86	3.64	1.00	0.07	12.75	91.04	0.89	3.53	1.00	0.07
12.77	95.29	0.94	2.49	1.00	0.05	12.79	103.56	1.04	1.12	1.00	0.02
12.81	109.68	1.13	0.77	1.00	0.02	12.83	120.62	1.34	0.41	1.00	0.01
12.85	130.62	1.62	0.18	1.00	0.00	12.87	135.81	1.81	0.08	1.00	0.00
12.89	140.84	2.00	0.00	1.00	0.00	12.91	143.77	2.00	0.00	1.00	0.00
12.93	144.41	2.00	0.00	1.00	0.00	12.95	144.45	2.00	0.00	1.00	0.00
12.97	143.03	2.00	0.00	1.00	0.00	12.99	140.45	2.00	0.00	1.00	0.00
13.01	139.74	1.99	0.00	1.00	0.00	13.03	140.86	2.00	0.00	1.00	0.00
13.05	142.13	2.00	0.00	1.00	0.00	13.07	142.03	2.00	0.00	1.00	0.00
13.09	141.78	2.00	0.00	1.00	0.00	13.11	138.68	1.95	0.02	1.00	0.00
13.13	135.69	1.82	0.07	1.00	0.00	13.15	134.88	1.79	0.09	1.00	0.00
13.17	132.25	1.69	0.14	1.00	0.00	13.19	127.32	1.53	0.24	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.21	122.17	1.39	0.36	1.00	0.01	13.23	113.13	1.20	0.61	1.00	0.01
13.25	105.02	1.07	0.97	1.00	0.02	13.27	103.54	1.05	1.06	1.00	0.02
13.29	111.67	1.18	0.65	1.00	0.01	13.31	115.24	1.25	0.54	1.00	0.01
13.33	117.82	1.30	0.46	1.00	0.01	13.35	110.02	1.15	0.71	1.00	0.01
13.37	104.51	1.07	0.98	1.00	0.02	13.39	98.38	0.99	1.55	1.00	0.03
13.41	94.08	0.94	2.55	1.00	0.05	13.43	88.62	0.88	3.63	1.00	0.07
13.45	92.72	0.93	3.20	1.00	0.06	13.47	89.59	0.89	3.59	1.00	0.07
13.49	88.13	0.88	3.65	1.00	0.07	13.51	90.56	0.90	3.55	1.00	0.07
13.53	87.76	0.88	3.66	1.00	0.07	13.55	83.71	0.84	3.84	1.00	0.08
13.57	80.20	0.81	4.00	1.00	0.08	13.59	84.20	0.85	3.81	1.00	0.08
13.61	85.56	0.86	3.76	1.00	0.08	13.63	85.43	0.86	3.76	1.00	0.08
13.65	81.05	0.82	3.96	1.00	0.08	13.67	79.06	0.81	4.05	1.00	0.08
13.69	81.89	0.83	3.92	1.00	0.08	13.71	89.49	0.90	3.59	1.00	0.07
13.73	92.17	0.93	3.30	1.00	0.07	13.75	91.58	0.92	3.51	1.00	0.07
13.77	87.04	0.88	3.69	1.00	0.07	13.79	25.15	2.00	0.00	1.00	0.00
13.81	19.50	2.00	0.00	1.00	0.00	13.83	18.42	2.00	0.00	1.00	0.00
13.85	20.38	2.00	0.00	1.00	0.00	13.87	81.30	0.83	3.95	1.00	0.08
13.89	82.52	0.84	3.89	1.00	0.08	13.91	82.45	0.84	3.89	1.00	0.08
13.93	88.50	0.89	3.63	1.00	0.07	13.95	90.21	0.91	3.56	1.00	0.07
13.97	74.86	0.78	4.27	1.00	0.09	13.99	90.39	0.91	3.56	1.00	0.07
14.01	95.56	0.97	1.86	1.00	0.04	14.03	94.90	0.96	1.99	1.00	0.04
14.05	93.78	0.95	2.30	1.00	0.05	14.07	95.74	0.97	1.80	1.00	0.04
14.09	102.18	1.05	1.05	1.00	0.02	14.11	109.76	1.17	0.67	1.00	0.01
14.13	117.49	1.32	0.44	1.00	0.01	14.15	122.81	1.44	0.31	1.00	0.01
14.17	126.65	1.55	0.23	1.00	0.00	14.19	130.07	1.66	0.16	1.00	0.00
14.21	131.51	1.71	0.13	1.00	0.00	14.23	132.24	1.74	0.12	1.00	0.00
14.25	133.09	1.77	0.10	1.00	0.00	14.27	129.42	1.64	0.17	1.00	0.00
14.29	123.70	1.47	0.29	1.00	0.01	14.31	115.24	1.28	0.49	1.00	0.01
14.33	106.29	1.12	0.80	1.00	0.02	14.35	99.55	1.03	1.22	1.00	0.02
14.37	96.94	0.99	1.51	1.00	0.03	14.39	96.09	0.98	1.63	1.00	0.03
14.41	100.05	1.03	1.17	1.00	0.02	14.43	103.84	1.09	0.91	1.00	0.02
14.45	112.49	1.23	0.56	1.00	0.01	14.47	115.42	1.29	0.48	1.00	0.01
14.49	113.50	1.25	0.53	1.00	0.01	14.51	111.50	1.21	0.59	1.00	0.01
14.53	109.31	1.17	0.66	1.00	0.01	14.55	106.62	1.13	0.76	1.00	0.02
14.57	102.88	1.08	0.95	1.00	0.02	14.59	94.96	0.98	1.76	1.00	0.04
14.61	89.62	0.92	3.59	1.00	0.07	14.63	89.62	0.92	3.59	1.00	0.07
14.65	91.36	0.94	2.87	1.00	0.06	14.67	95.00	0.98	1.73	1.00	0.03
14.69	96.76	1.00	1.46	1.00	0.03	14.71	97.23	1.01	1.39	1.00	0.03
14.73	95.51	0.99	1.62	1.00	0.03	14.75	90.56	0.93	3.25	1.00	0.06
14.77	83.86	0.87	3.83	1.00	0.08	14.79	75.74	0.80	4.22	1.00	0.08
14.81	65.16	0.73	4.86	1.00	0.10	14.83	68.38	0.75	4.65	1.00	0.09
14.85	68.27	0.75	4.66	1.00	0.09	14.87	69.33	0.76	4.59	1.00	0.09
14.89	71.21	0.77	4.48	1.00	0.09	14.91	74.67	0.80	4.28	1.00	0.09
14.93	78.94	0.83	4.06	1.00	0.08	14.95	83.20	0.87	3.86	1.00	0.08
14.97	84.71	0.88	3.79	1.00	0.08	14.99	86.46	0.90	3.72	1.00	0.07
15.01	86.71	0.90	3.71	1.00	0.07	15.03	88.77	0.92	3.62	1.00	0.07
15.05	93.47	0.97	1.90	1.00	0.04	15.07	95.07	0.99	1.59	1.00	0.03
15.09	90.95	0.94	2.69	1.00	0.05	15.11	83.72	0.87	3.84	1.00	0.08
15.13	85.40	0.89	3.76	1.00	0.08	15.15	84.48	0.88	3.80	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.17	69.25	0.76	4.59	1.00	0.09	15.19	65.66	0.74	4.83	1.00	0.10
15.21	67.59	0.75	4.70	1.00	0.09	15.23	66.81	0.75	4.75	1.00	0.09
15.25	68.40	0.76	4.65	1.00	0.09	15.27	73.44	0.79	4.35	1.00	0.09
15.29	82.06	0.86	3.91	1.00	0.08	15.31	92.16	0.96	2.11	1.00	0.04
15.33	100.95	1.07	0.98	1.00	0.02	15.35	110.00	1.21	0.59	1.00	0.01
15.37	121.95	1.47	0.29	1.00	0.01	15.39	126.21	1.59	0.20	1.00	0.00
15.41	126.21	1.59	0.20	1.00	0.00	15.43	120.82	1.44	0.31	1.00	0.01
15.45	116.73	1.35	0.40	1.00	0.01	15.47	115.41	1.32	0.43	1.00	0.01
15.49	113.34	1.28	0.48	1.00	0.01	15.51	112.50	1.26	0.50	1.00	0.01
15.53	112.30	1.26	0.51	1.00	0.01	15.55	111.93	1.25	0.52	1.00	0.01
15.57	107.26	1.17	0.66	1.00	0.01	15.59	105.55	1.14	0.72	1.00	0.01
15.61	105.48	1.14	0.73	1.00	0.01	15.63	108.77	1.20	0.61	1.00	0.01
15.65	114.92	1.31	0.44	1.00	0.01	15.67	118.11	1.38	0.36	1.00	0.01
15.69	117.81	1.38	0.37	1.00	0.01	15.71	113.83	1.29	0.46	1.00	0.01
15.73	113.04	1.28	0.48	1.00	0.01	15.75	114.34	1.31	0.44	1.00	0.01
15.77	117.45	1.37	0.37	1.00	0.01	15.79	117.38	1.37	0.37	1.00	0.01
15.81	130.87	1.76	0.10	1.00	0.00	15.83	131.71	1.79	0.09	1.00	0.00
15.85	131.67	1.79	0.09	1.00	0.00	15.87	129.10	1.70	0.13	1.00	0.00
15.89	122.33	1.50	0.26	1.00	0.01	15.91	117.38	1.38	0.37	1.00	0.01
15.93	112.58	1.28	0.48	1.00	0.01	15.95	112.45	1.28	0.48	1.00	0.01
15.97	120.17	1.45	0.30	1.00	0.01	15.99	128.32	1.68	0.14	1.00	0.00
16.01	133.96	1.89	0.04	1.00	0.00	16.03	133.03	1.85	0.06	1.00	0.00
16.05	135.39	1.95	0.02	1.00	0.00	16.07	137.28	2.00	0.00	1.00	0.00
16.09	139.13	2.00	0.00	1.00	0.00	16.11	137.67	2.00	0.00	1.00	0.00
16.13	132.82	1.85	0.06	1.00	0.00	16.15	126.66	1.63	0.17	1.00	0.00
16.17	121.48	1.49	0.27	1.00	0.01	16.19	120.56	1.46	0.29	1.00	0.01
16.21	121.42	1.49	0.27	1.00	0.01	16.23	122.41	1.51	0.25	1.00	0.00
16.25	121.21	1.48	0.27	1.00	0.01	16.27	118.12	1.41	0.34	1.00	0.01
16.29	109.84	1.24	0.53	1.00	0.01	16.31	100.97	1.10	0.86	1.00	0.02
16.33	98.30	1.06	1.00	1.00	0.02	16.35	97.00	1.05	1.09	1.00	0.02
16.37	95.00	1.02	1.26	1.00	0.03	16.39	100.43	1.09	0.87	1.00	0.02
16.41	109.79	1.24	0.53	1.00	0.01	16.43	119.02	1.44	0.31	1.00	0.01
16.45	127.99	1.69	0.14	1.00	0.00	16.47	137.48	2.00	0.00	1.00	0.00
16.49	145.32	2.00	0.00	1.00	0.00	16.51	150.47	2.00	0.00	1.00	0.00
16.53	151.28	2.00	0.00	1.00	0.00	16.55	148.72	2.00	0.00	1.00	0.00
16.57	148.90	2.00	0.00	1.00	0.00	16.59	148.54	2.00	0.00	1.00	0.00
16.61	147.96	2.00	0.00	1.00	0.00	16.63	145.79	2.00	0.00	1.00	0.00
16.65	141.49	2.00	0.00	1.00	0.00	16.67	137.22	2.00	0.00	1.00	0.00
16.69	134.73	1.96	0.02	1.00	0.00	16.71	128.82	1.73	0.12	1.00	0.00
16.73	120.29	1.48	0.27	1.00	0.01	16.75	116.51	1.39	0.35	1.00	0.01
16.77	109.43	1.25	0.52	1.00	0.01	16.79	86.58	0.94	3.37	1.00	0.07
16.81	98.44	1.08	0.93	1.00	0.02	16.83	97.22	1.06	1.00	1.00	0.02
16.85	97.76	1.07	0.96	1.00	0.02	16.87	100.71	1.11	0.81	1.00	0.02
16.89	106.53	1.20	0.59	1.00	0.01	16.91	114.38	1.35	0.39	1.00	0.01
16.93	121.63	1.52	0.24	1.00	0.00	16.95	126.66	1.67	0.15	1.00	0.00
16.97	127.28	1.69	0.14	1.00	0.00	16.99	122.18	1.54	0.23	1.00	0.00
17.01	112.28	1.31	0.43	1.00	0.01	17.03	106.50	1.21	0.58	1.00	0.01
17.05	104.68	1.18	0.64	1.00	0.01	17.07	104.40	1.17	0.65	1.00	0.01
17.09	102.76	1.15	0.70	1.00	0.01	17.11	101.86	1.14	0.74	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.13	103.42	1.16	0.68	1.00	0.01	17.15	108.00	1.24	0.53	1.00	0.01
17.17	110.47	1.28	0.47	1.00	0.01	17.19	110.42	1.28	0.47	1.00	0.01
17.21	110.73	1.29	0.46	1.00	0.01	17.23	91.02	1.00	1.52	1.00	0.03
17.25	81.56	0.91	3.94	1.00	0.08	17.27	73.64	0.84	4.34	1.00	0.09
17.29	67.71	0.80	4.69	1.00	0.09	17.31	64.01	0.77	4.94	1.00	0.10
17.33	66.39	0.79	4.78	1.00	0.10	17.35	68.87	0.81	4.62	1.00	0.09
17.37	65.15	0.78	4.86	1.00	0.10	17.39	64.09	0.77	4.93	1.00	0.10
17.41	67.35	0.80	4.71	1.00	0.09	17.43	71.84	0.83	4.44	1.00	0.09
17.45	74.92	0.86	4.27	1.00	0.09	17.47	73.72	0.85	4.33	1.00	0.09
17.49	71.44	0.83	4.46	1.00	0.09	17.51	67.28	0.80	4.72	1.00	0.09
17.53	72.27	0.84	4.42	1.00	0.09	17.55	92.51	1.03	1.25	1.00	0.02
17.57	99.75	1.12	0.78	1.00	0.02	17.59	97.01	1.08	0.91	1.00	0.02
17.61	92.75	1.03	1.21	1.00	0.02	17.63	89.09	0.99	1.70	1.00	0.03
17.65	88.18	0.98	1.89	1.00	0.04	17.67	84.82	0.95	3.39	1.00	0.07
17.69	84.41	0.95	3.74	1.00	0.07	17.71	87.94	0.98	1.91	1.00	0.04
17.73	88.53	0.99	1.77	1.00	0.04	17.75	89.56	1.00	1.57	1.00	0.03
17.77	87.01	0.97	2.14	1.00	0.04	17.79	86.15	0.97	2.44	1.00	0.05
17.81	81.86	0.92	3.92	1.00	0.08	17.83	80.26	0.91	4.00	1.00	0.08
17.85	78.32	0.89	4.09	1.00	0.08	17.87	83.05	0.94	3.87	1.00	0.08
17.89	82.59	0.93	3.89	1.00	0.08	17.91	83.78	0.94	3.83	1.00	0.08
17.92	78.54	0.90	4.08	1.00	0.08	17.94	65.40	0.79	4.84	1.00	0.10
17.96	56.63	0.74	5.51	1.00	0.11	17.98	59.44	0.75	5.28	1.00	0.11
18.00	57.61	0.74	5.43	1.00	0.11	18.02	61.99	0.77	5.08	1.00	0.10
18.04	70.55	0.83	4.52	1.00	0.09	18.06	88.31	0.99	1.67	1.00	0.03
18.08	90.03	1.01	1.39	1.00	0.03	18.10	86.33	0.98	2.14	1.00	0.04
18.12	84.22	0.95	3.15	1.00	0.06	18.14	21.98	2.00	0.00	1.00	0.00
18.16	21.84	2.00	0.00	1.00	0.00	18.18	82.20	0.94	3.91	1.00	0.08
18.20	84.89	0.96	2.63	1.00	0.05	18.22	85.72	0.97	2.26	1.00	0.05
18.24	26.41	2.00	0.00	1.00	0.00	18.26	28.07	2.00	0.00	1.00	0.00
18.28	32.25	2.00	0.00	1.00	0.00	18.30	93.14	1.06	1.04	1.00	0.02
18.32	93.83	1.07	0.99	1.00	0.02	18.34	90.75	1.03	1.24	1.00	0.02
18.36	27.62	2.00	0.00	1.00	0.00	18.38	24.99	2.00	0.00	1.00	0.00
18.40	85.28	0.97	2.26	1.00	0.05	18.42	90.09	1.02	1.29	1.00	0.03
18.44	71.52	0.85	4.46	1.00	0.09	18.46	69.83	0.84	4.56	1.00	0.09
18.48	68.67	0.83	4.63	1.00	0.09	18.50	68.70	0.83	4.63	1.00	0.09
18.52	72.06	0.86	4.43	1.00	0.09	18.54	72.86	0.86	4.38	1.00	0.09
18.56	72.51	0.86	4.40	1.00	0.09	18.58	73.09	0.87	4.37	1.00	0.09
18.60	76.60	0.90	4.18	1.00	0.08	18.62	79.72	0.93	4.02	1.00	0.08
18.64	81.20	0.94	3.95	1.00	0.08	18.66	82.76	0.95	3.38	1.00	0.07
18.68	86.01	0.99	1.85	1.00	0.04	18.70	86.83	1.00	1.66	1.00	0.03
18.72	86.23	0.99	1.78	1.00	0.04	18.74	86.21	0.99	1.77	1.00	0.04
18.76	88.95	1.02	1.32	1.00	0.03	18.78	86.97	1.00	1.60	1.00	0.03
18.80	85.25	0.98	1.98	1.00	0.04	18.82	83.87	0.97	2.46	1.00	0.05
18.84	83.82	0.97	2.46	1.00	0.05	18.86	77.44	0.91	4.14	1.00	0.08
18.88	73.09	0.87	4.37	1.00	0.09	18.90	70.28	0.85	4.53	1.00	0.09
18.92	69.74	0.85	4.56	1.00	0.09	18.94	70.87	0.86	4.50	1.00	0.09
18.96	72.24	0.87	4.42	1.00	0.09	18.98	73.34	0.88	4.35	1.00	0.09
19.00	72.23	0.87	4.42	1.00	0.09	19.02	74.25	0.89	4.30	1.00	0.09
19.04	74.84	0.89	4.27	1.00	0.09	19.06	75.43	0.90	4.24	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.08	82.57	0.96	2.85	1.00	0.06	19.10	94.86	1.10	0.83	1.00	0.02
19.12	103.70	1.23	0.53	1.00	0.01	19.14	108.93	1.32	0.41	1.00	0.01
19.16	109.10	1.33	0.40	1.00	0.01	19.18	108.42	1.32	0.42	1.00	0.01
19.20	107.04	1.29	0.45	1.00	0.01	19.22	105.20	1.26	0.49	1.00	0.01
19.24	98.78	1.16	0.66	1.00	0.01	19.26	93.20	1.09	0.89	1.00	0.02
19.28	88.96	1.04	1.18	1.00	0.02	19.30	87.86	1.03	1.29	1.00	0.03
19.32	88.21	1.03	1.25	1.00	0.02	19.34	88.39	1.03	1.22	1.00	0.02
19.36	90.03	1.05	1.07	1.00	0.02	19.38	93.85	1.10	0.84	1.00	0.02
19.40	98.38	1.16	0.66	1.00	0.01	19.42	103.74	1.24	0.51	1.00	0.01
19.44	105.60	1.27	0.46	1.00	0.01	19.46	107.67	1.31	0.42	1.00	0.01
19.48	110.81	1.37	0.36	1.00	0.01	19.50	112.98	1.42	0.31	1.00	0.01
19.52	111.18	1.38	0.35	1.00	0.01	19.54	107.23	1.31	0.42	1.00	0.01
19.56	104.45	1.26	0.48	1.00	0.01	19.58	102.28	1.22	0.53	1.00	0.01
19.60	93.59	1.10	0.82	1.00	0.02	19.62	90.64	1.07	0.98	1.00	0.02
19.64	90.96	1.07	0.96	1.00	0.02	19.66	93.09	1.10	0.84	1.00	0.02
19.68	101.04	1.21	0.56	1.00	0.01	19.70	111.80	1.40	0.33	1.00	0.01
19.72	120.57	1.61	0.18	1.00	0.00	19.74	123.08	1.69	0.13	1.00	0.00
19.76	115.12	1.48	0.27	1.00	0.01	19.78	97.50	1.16	0.65	1.00	0.01
19.80	108.96	1.35	0.38	1.00	0.01	19.82	110.19	1.37	0.35	1.00	0.01
19.84	113.22	1.44	0.30	1.00	0.01	19.86	116.44	1.51	0.24	1.00	0.00
19.88	119.36	1.59	0.19	1.00	0.00	19.90	121.10	1.64	0.16	1.00	0.00
19.92	124.66	1.75	0.11	1.00	0.00	19.94	126.44	1.81	0.08	1.00	0.00
19.96	121.73	1.66	0.15	1.00	0.00	19.98	109.56	1.37	0.36	1.00	0.01

Total estimated settlement: 38.72

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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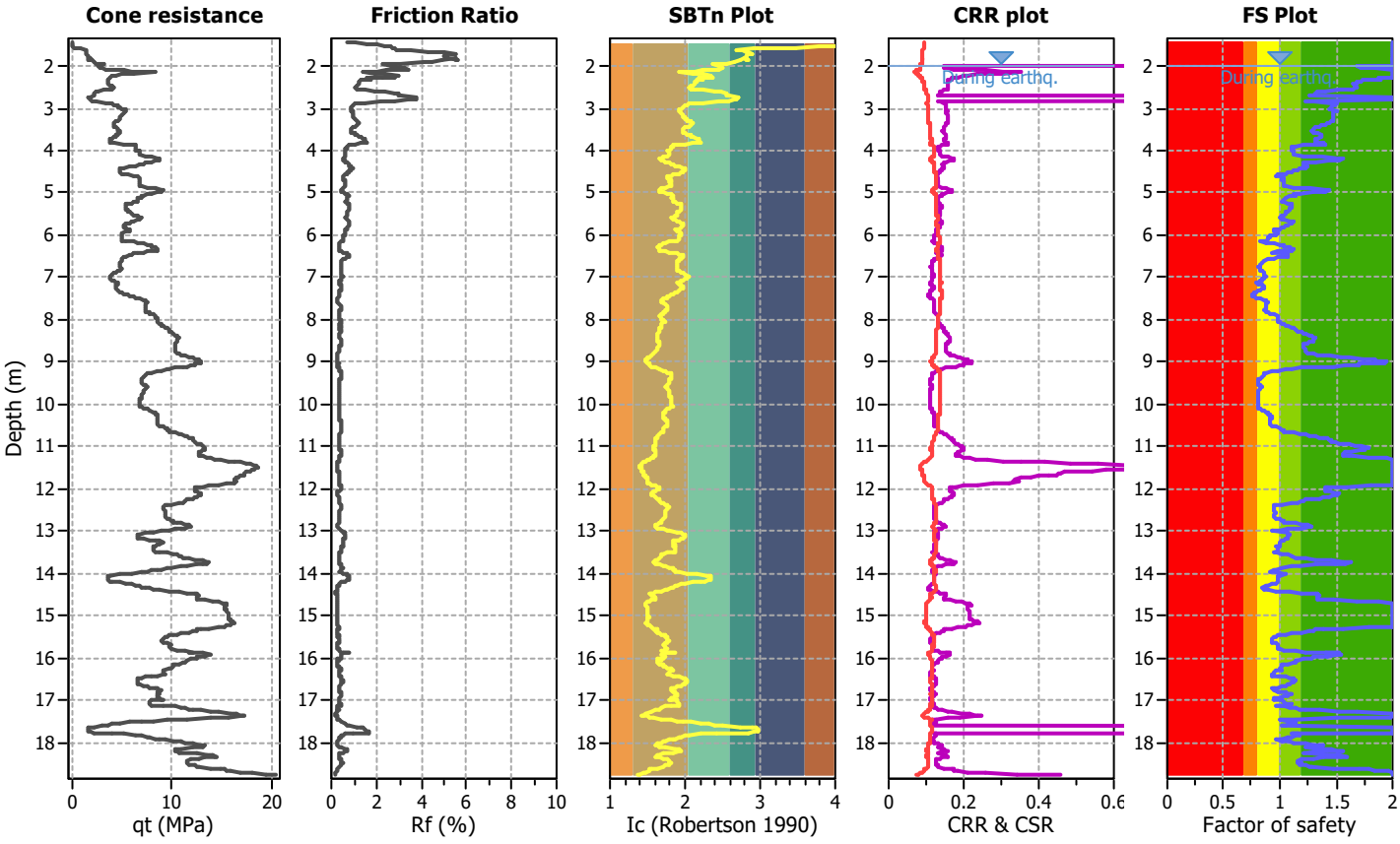
LIQUEFACTION ANALYSIS REPORT

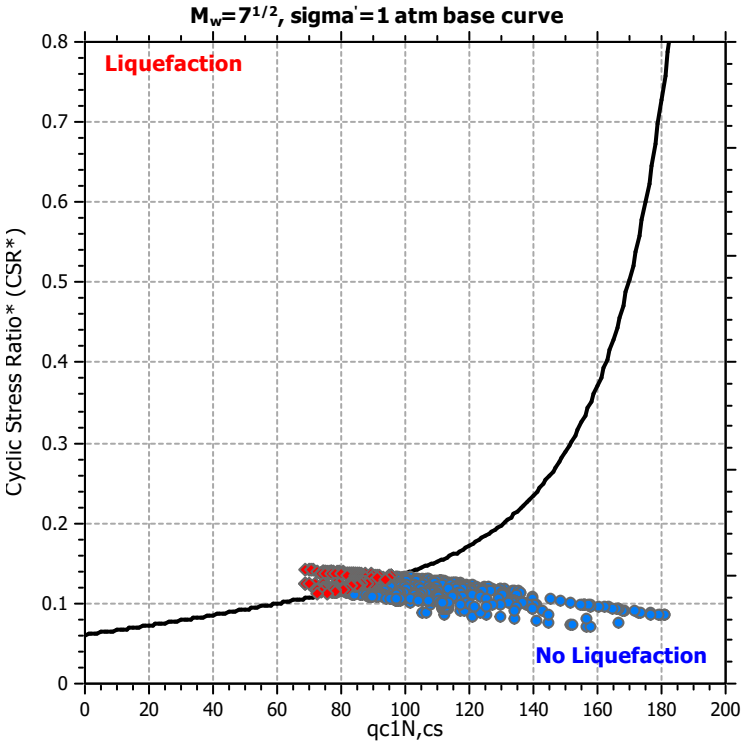
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

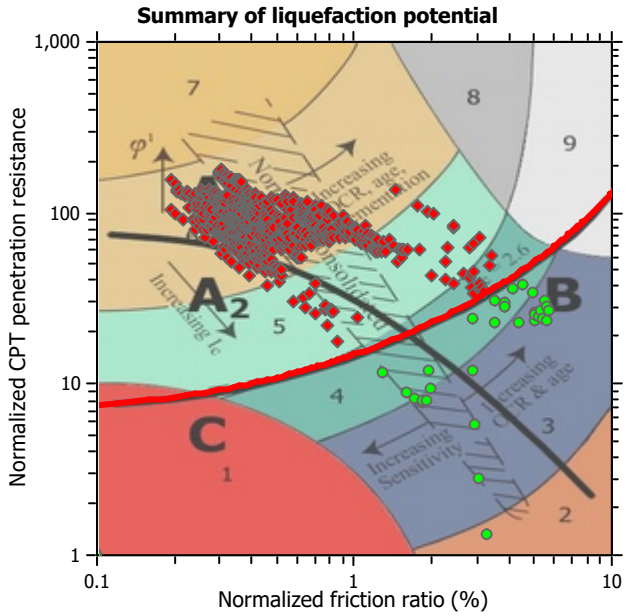
CPT file : P308 - CPTu-14

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

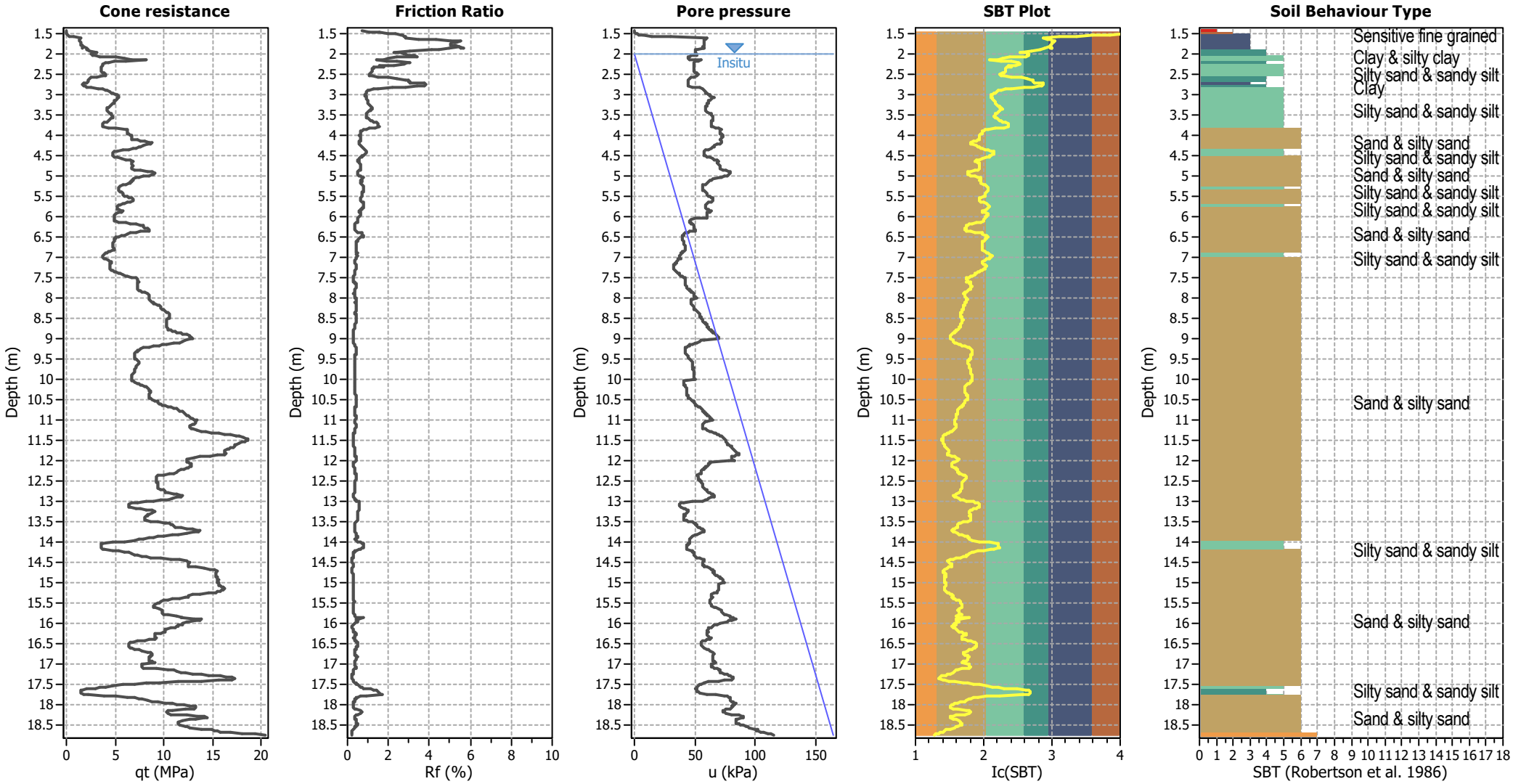






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



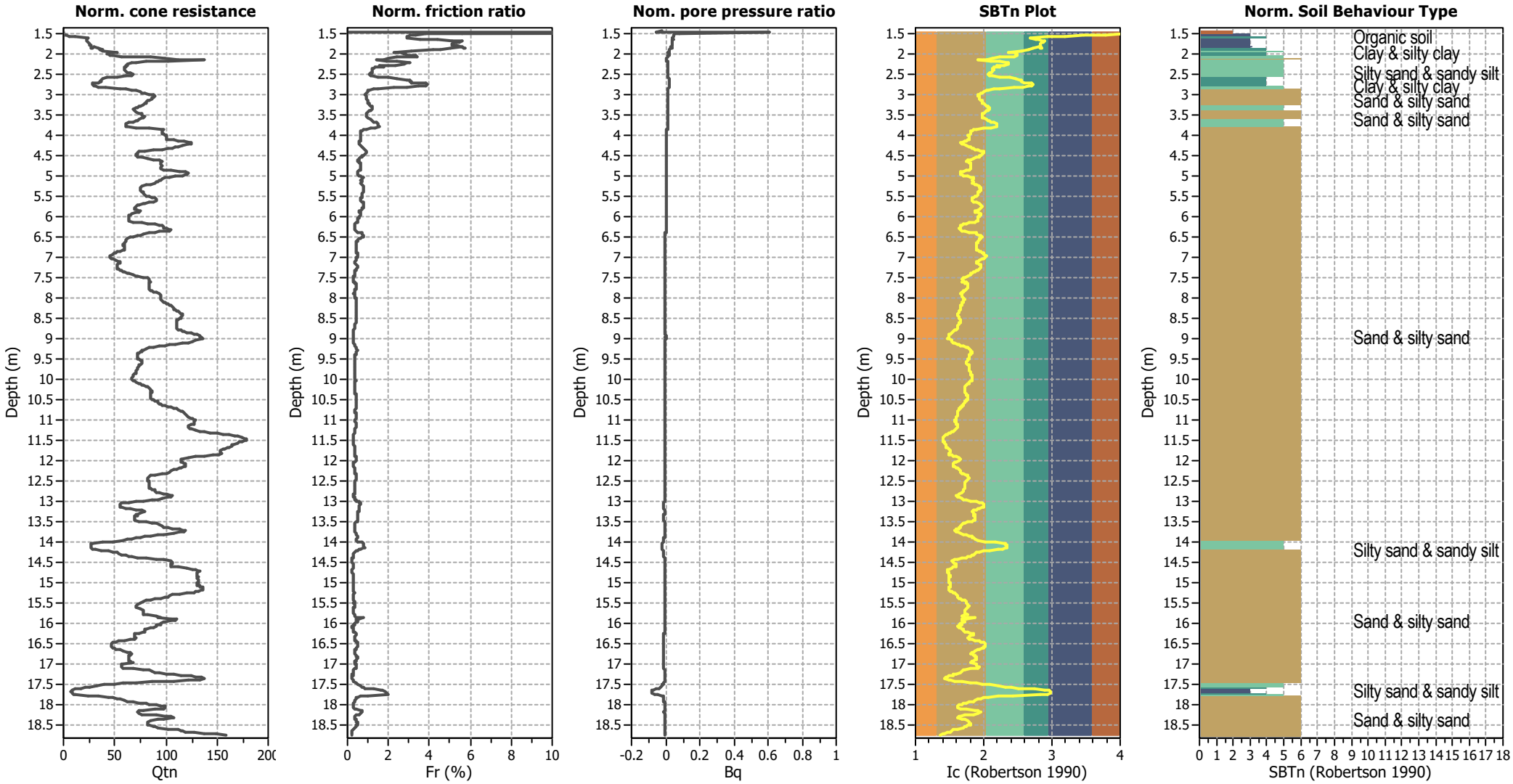
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



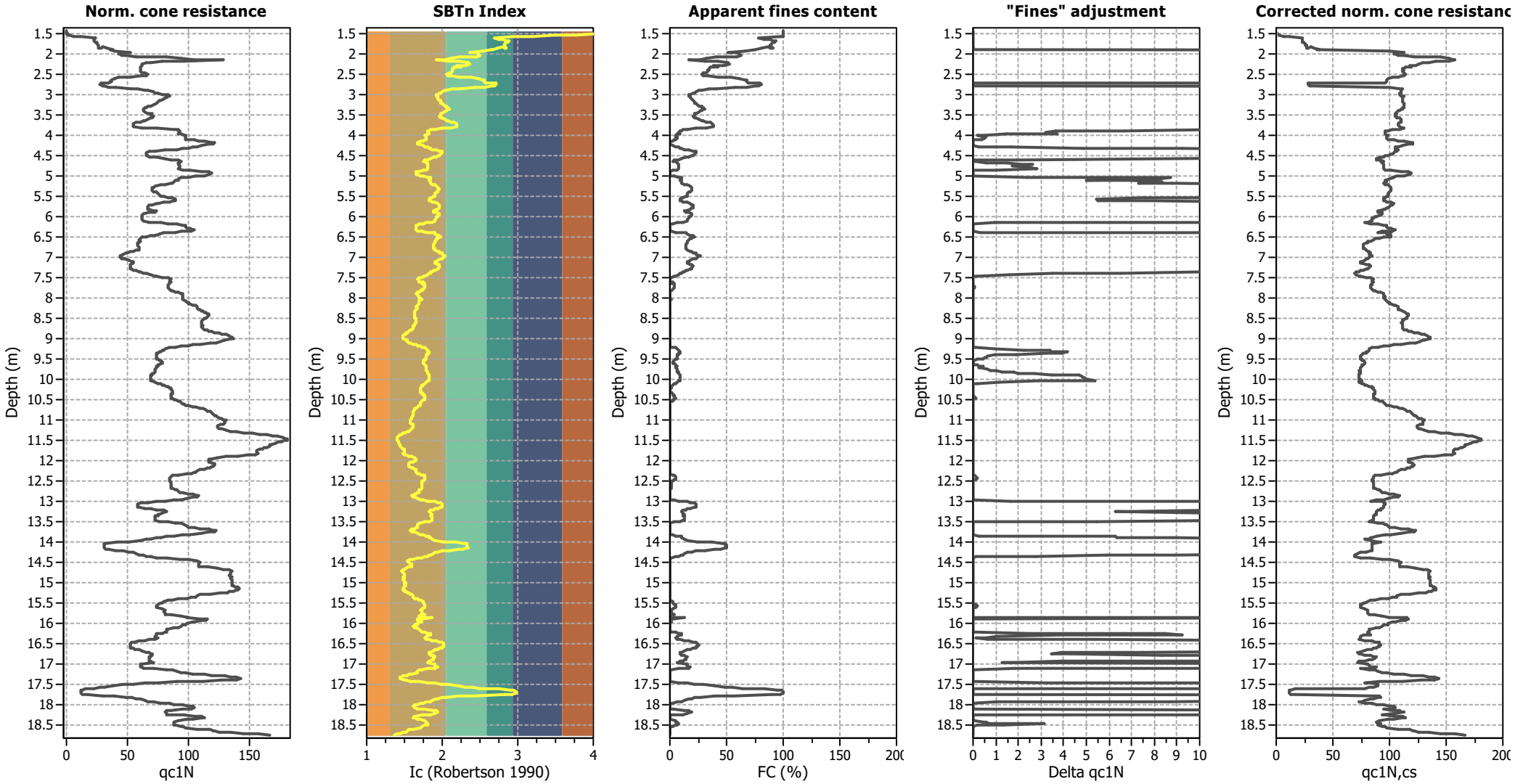
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

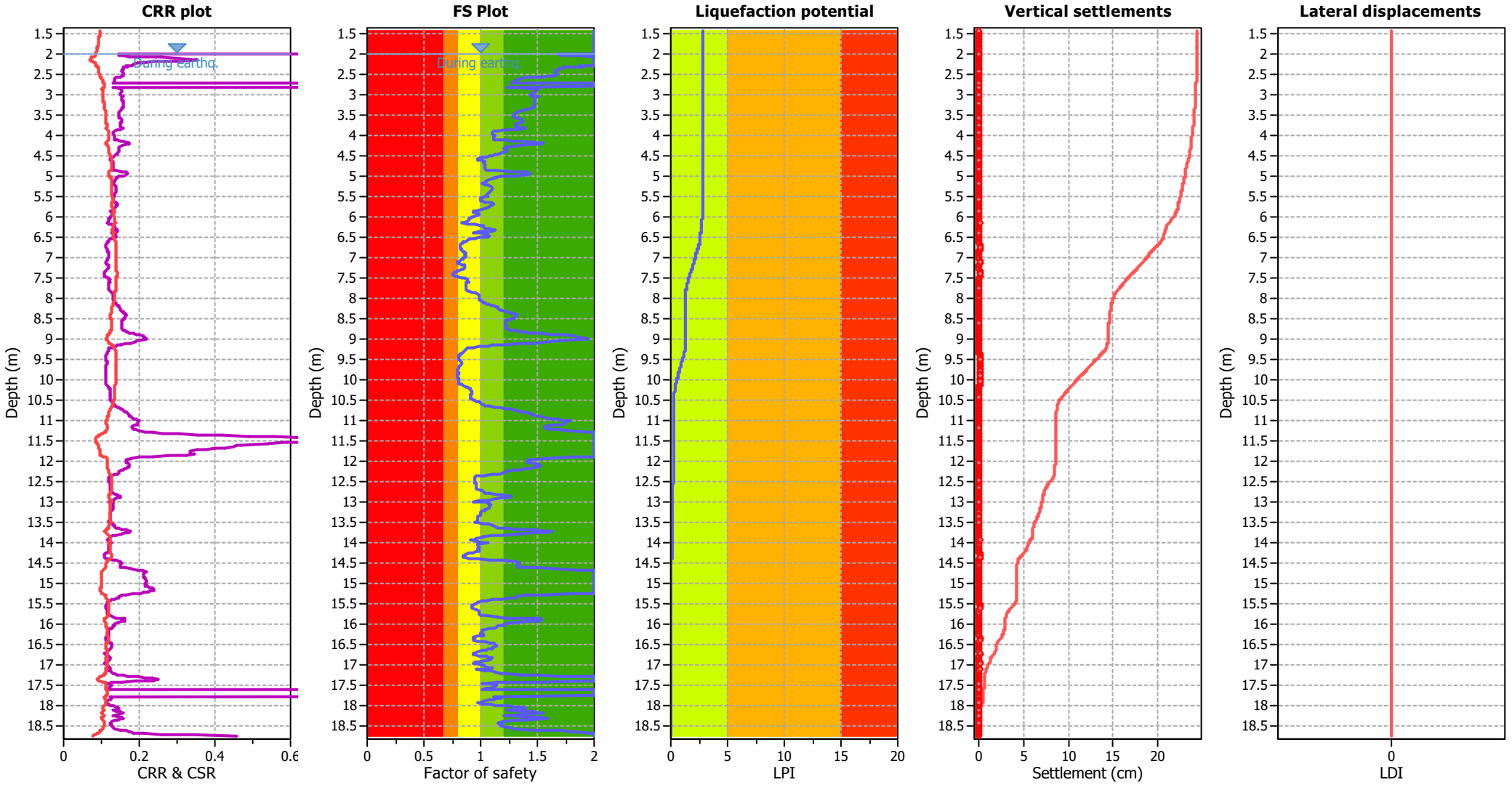
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

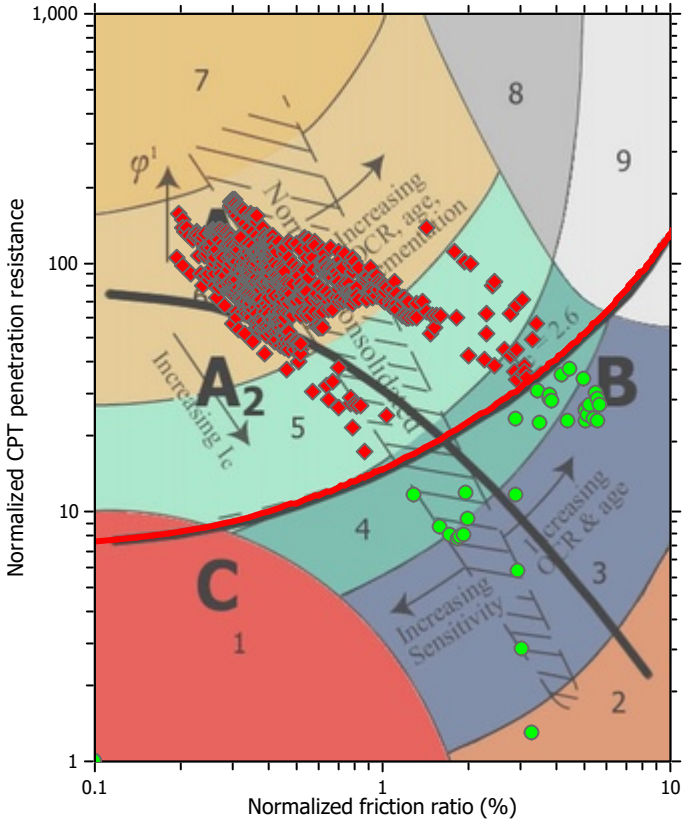
F.S. color scheme

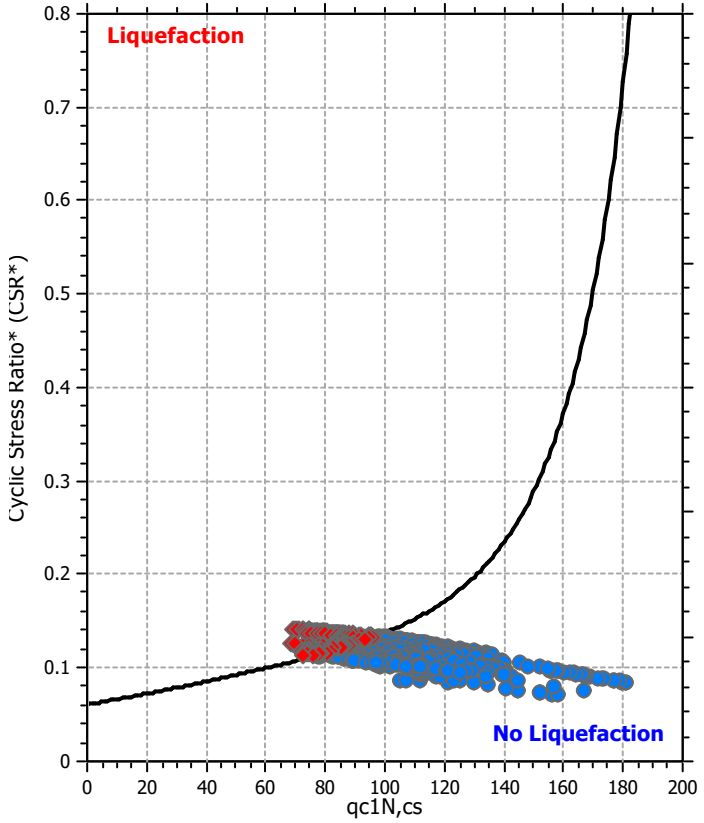
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

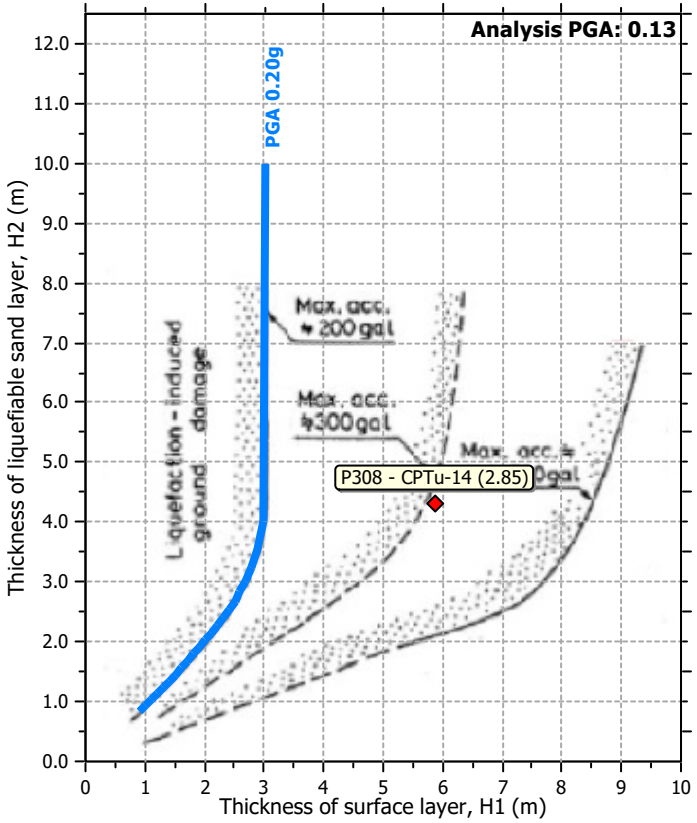
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



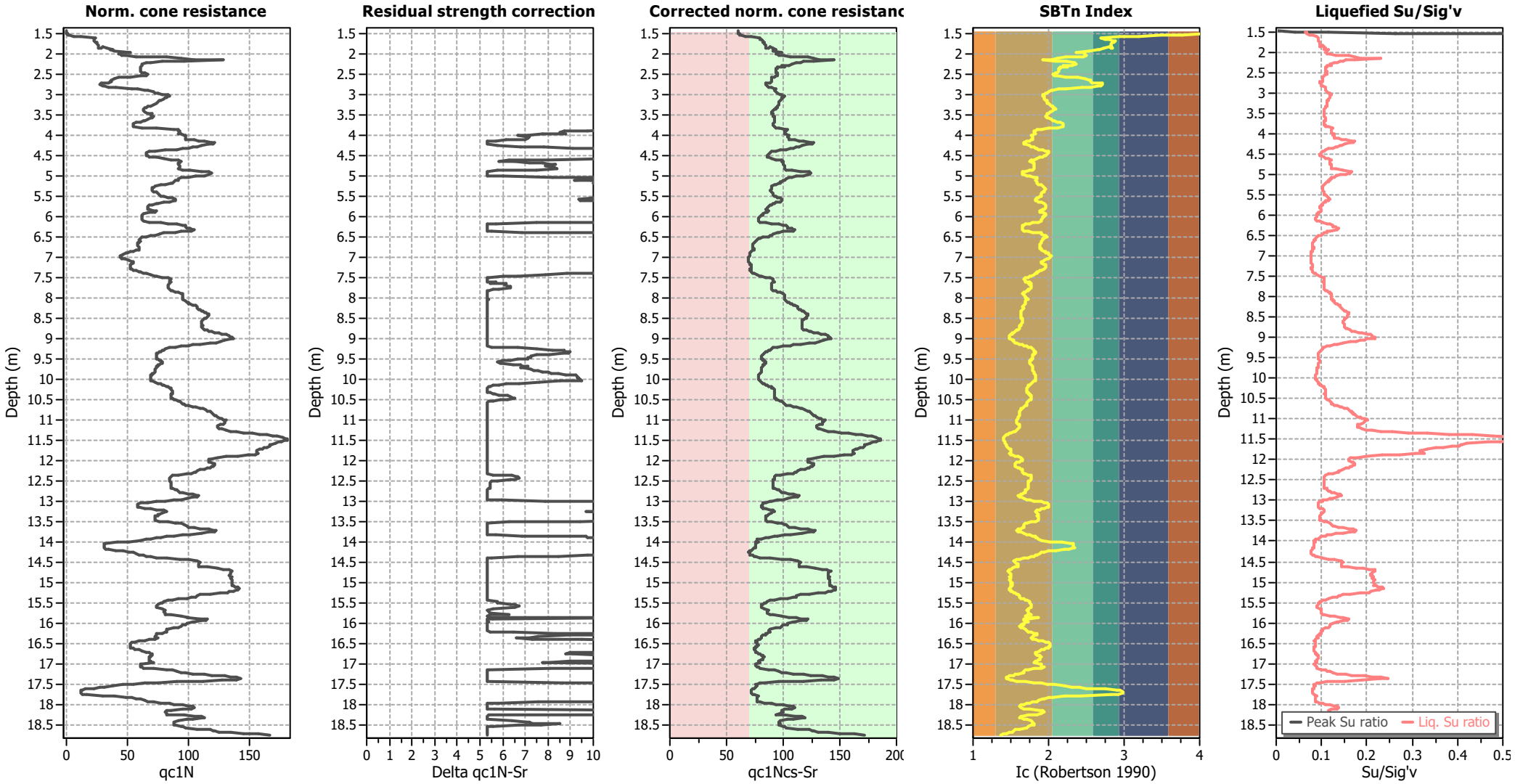




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	1.68	0.00	0.00	0.02	0.00
2.04	1.71	0.00	0.00	0.02	0.00	2.06	1.83	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	1.87	0.00	0.00	0.02	0.00
2.32	1.90	0.00	0.00	0.02	0.00	2.34	1.74	0.00	0.00	0.02	0.00
2.36	1.71	0.00	0.00	0.02	0.00	2.38	1.69	0.00	0.00	0.02	0.00
2.40	1.68	0.00	0.00	0.02	0.00	2.42	1.67	0.00	0.00	0.02	0.00
2.44	1.66	0.00	0.00	0.02	0.00	2.46	1.66	0.00	0.00	0.02	0.00
2.48	1.67	0.00	0.00	0.02	0.00	2.50	1.68	0.00	0.00	0.02	0.00
2.52	1.67	0.00	0.00	0.02	0.00	2.54	1.65	0.00	0.00	0.02	0.00
2.56	1.61	0.00	0.00	0.02	0.00	2.58	1.52	0.00	0.00	0.02	0.00
2.60	1.40	0.00	0.00	0.02	0.00	2.62	1.34	0.00	0.00	0.02	0.00
2.64	1.31	0.00	0.00	0.02	0.00	2.66	1.31	0.00	0.00	0.02	0.00
2.68	1.30	0.00	0.00	0.02	0.00	2.70	1.31	0.00	0.00	0.02	0.00
2.72	1.27	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	1.23	0.00	0.00	0.02	0.00
2.84	1.31	0.00	0.00	0.02	0.00	2.86	1.46	0.00	0.00	0.02	0.00
2.88	1.51	0.00	0.00	0.02	0.00	2.90	1.49	0.00	0.00	0.02	0.00
2.92	1.48	0.00	0.00	0.02	0.00	2.94	1.48	0.00	0.00	0.02	0.00
2.96	1.46	0.00	0.00	0.02	0.00	2.98	1.45	0.00	0.00	0.02	0.00
3.00	1.44	0.00	0.00	0.02	0.00	3.02	1.43	0.00	0.00	0.02	0.00
3.04	1.45	0.00	0.00	0.02	0.00	3.06	1.51	0.00	0.00	0.02	0.00
3.08	1.47	0.00	0.00	0.02	0.00	3.10	1.47	0.00	0.00	0.02	0.00
3.12	1.47	0.00	0.00	0.02	0.00	3.14	1.48	0.00	0.00	0.02	0.00
3.16	1.48	0.00	0.00	0.02	0.00	3.18	1.47	0.00	0.00	0.02	0.00
3.20	1.47	0.00	0.00	0.02	0.00	3.22	1.47	0.00	0.00	0.02	0.00
3.24	1.47	0.00	0.00	0.02	0.00	3.26	1.48	0.00	0.00	0.02	0.00
3.28	1.48	0.00	0.00	0.02	0.00	3.30	1.47	0.00	0.00	0.02	0.00
3.32	1.46	0.00	0.00	0.02	0.00	3.34	1.44	0.00	0.00	0.02	0.00
3.36	1.42	0.00	0.00	0.02	0.00	3.38	1.40	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.40	1.37	0.00	0.00	0.02	0.00	3.42	1.35	0.00	0.00	0.02	0.00
3.44	1.32	0.00	0.00	0.02	0.00	3.46	1.31	0.00	0.00	0.02	0.00
3.48	1.30	0.00	0.00	0.02	0.00	3.50	1.30	0.00	0.00	0.02	0.00
3.52	1.29	0.00	0.00	0.02	0.00	3.54	1.28	0.00	0.00	0.02	0.00
3.56	1.29	0.00	0.00	0.02	0.00	3.59	1.31	0.00	0.00	0.03	0.00
3.60	1.34	0.00	0.00	0.01	0.00	3.62	1.36	0.00	0.00	0.02	0.00
3.64	1.37	0.00	0.00	0.02	0.00	3.66	1.37	0.00	0.00	0.02	0.00
3.68	1.37	0.00	0.00	0.02	0.00	3.70	1.34	0.00	0.00	0.02	0.00
3.72	1.32	0.00	0.00	0.02	0.00	3.74	1.31	0.00	0.00	0.02	0.00
3.76	1.31	0.00	0.00	0.02	0.00	3.78	1.31	0.00	0.00	0.02	0.00
3.80	1.32	0.00	0.00	0.02	0.00	3.82	1.38	0.00	0.00	0.02	0.00
3.84	1.40	0.00	0.00	0.02	0.00	3.86	1.33	0.00	0.00	0.02	0.00
3.88	1.21	0.00	0.00	0.02	0.00	3.90	1.15	0.00	0.00	0.02	0.00
3.92	1.11	0.00	0.00	0.02	0.00	3.94	1.10	0.00	0.00	0.02	0.00
3.96	1.10	0.00	0.00	0.02	0.00	3.98	1.10	0.00	0.00	0.02	0.00
4.00	1.11	0.00	0.00	0.02	0.00	4.02	1.13	0.00	0.00	0.02	0.00
4.04	1.12	0.00	0.00	0.02	0.00	4.06	1.12	0.00	0.00	0.02	0.00
4.08	1.12	0.00	0.00	0.02	0.00	4.10	1.12	0.00	0.00	0.02	0.00
4.12	1.21	0.00	0.00	0.02	0.00	4.14	1.27	0.00	0.00	0.02	0.00
4.16	1.37	0.00	0.00	0.02	0.00	4.18	1.50	0.00	0.00	0.02	0.00
4.20	1.56	0.00	0.00	0.02	0.00	4.22	1.52	0.00	0.00	0.02	0.00
4.24	1.45	0.00	0.00	0.02	0.00	4.26	1.32	0.00	0.00	0.02	0.00
4.28	1.25	0.00	0.00	0.02	0.00	4.30	1.22	0.00	0.00	0.02	0.00
4.32	1.21	0.00	0.00	0.02	0.00	4.34	1.21	0.00	0.00	0.02	0.00
4.36	1.21	0.00	0.00	0.02	0.00	4.38	1.24	0.00	0.00	0.02	0.00
4.40	1.23	0.00	0.00	0.02	0.00	4.42	1.21	0.00	0.00	0.02	0.00
4.44	1.18	0.00	0.00	0.02	0.00	4.46	1.16	0.00	0.00	0.02	0.00
4.48	1.13	0.00	0.00	0.02	0.00	4.50	1.10	0.00	0.00	0.02	0.00
4.52	1.07	0.00	0.00	0.02	0.00	4.54	1.05	0.00	0.00	0.02	0.00
4.56	1.01	0.00	0.00	0.02	0.00	4.58	0.98	0.00	0.00	0.02	0.00
4.60	0.97	0.00	0.00	0.02	0.00	4.62	1.01	0.00	0.00	0.02	0.00
4.64	1.04	0.00	0.00	0.02	0.00	4.66	1.02	0.00	0.00	0.02	0.00
4.68	1.02	0.00	0.00	0.02	0.00	4.70	1.03	0.00	0.00	0.02	0.00
4.72	1.03	0.00	0.00	0.02	0.00	4.74	1.04	0.00	0.00	0.02	0.00
4.76	1.04	0.00	0.00	0.02	0.00	4.78	1.04	0.00	0.00	0.02	0.00
4.80	1.04	0.00	0.00	0.02	0.00	4.82	1.04	0.00	0.00	0.02	0.00
4.84	1.04	0.00	0.00	0.02	0.00	4.86	1.05	0.00	0.00	0.02	0.00
4.88	1.13	0.00	0.00	0.02	0.00	4.90	1.27	0.00	0.00	0.02	0.00
4.92	1.40	0.00	0.00	0.02	0.00	4.94	1.44	0.00	0.00	0.02	0.00
4.96	1.40	0.00	0.00	0.02	0.00	4.98	1.39	0.00	0.00	0.02	0.00
5.00	1.31	0.00	0.00	0.02	0.00	5.02	1.18	0.00	0.00	0.02	0.00
5.04	1.12	0.00	0.00	0.02	0.00	5.06	1.14	0.00	0.00	0.02	0.00
5.08	1.09	0.00	0.00	0.02	0.00	5.10	1.05	0.00	0.00	0.02	0.00
5.12	1.05	0.00	0.00	0.02	0.00	5.14	1.05	0.00	0.00	0.02	0.00
5.16	1.03	0.00	0.00	0.02	0.00	5.19	1.02	0.00	0.00	0.03	0.00
5.20	1.02	0.00	0.00	0.01	0.00	5.22	1.04	0.00	0.00	0.02	0.00
5.24	1.06	0.00	0.00	0.02	0.00	5.26	1.09	0.00	0.00	0.02	0.00
5.28	1.10	0.00	0.00	0.02	0.00	5.30	1.10	0.00	0.00	0.02	0.00
5.32	1.11	0.00	0.00	0.02	0.00	5.34	1.11	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.36	1.10	0.00	0.00	0.02	0.00	5.38	1.09	0.00	0.00	0.02	0.00
5.40	1.08	0.00	0.00	0.02	0.00	5.42	1.07	0.00	0.00	0.02	0.00
5.44	1.06	0.00	0.00	0.02	0.00	5.46	1.05	0.00	0.00	0.02	0.00
5.48	1.05	0.00	0.00	0.02	0.00	5.50	1.06	0.00	0.00	0.02	0.00
5.52	1.04	0.00	0.00	0.02	0.00	5.54	1.02	0.00	0.00	0.02	0.00
5.56	1.01	0.00	0.00	0.02	0.00	5.58	1.00	0.00	0.00	0.02	0.00
5.60	1.01	0.00	0.00	0.02	0.00	5.62	1.02	0.00	0.00	0.02	0.00
5.64	1.04	0.00	0.00	0.02	0.00	5.66	1.09	0.00	0.00	0.02	0.00
5.68	1.12	0.00	0.00	0.02	0.00	5.70	1.11	0.00	0.00	0.02	0.00
5.72	1.11	0.00	0.00	0.02	0.00	5.74	1.09	0.00	0.00	0.02	0.00
5.76	1.07	0.00	0.00	0.02	0.00	5.78	1.06	0.00	0.00	0.02	0.00
5.80	1.04	0.00	0.00	0.02	0.00	5.82	1.02	0.00	0.00	0.02	0.00
5.84	1.00	0.00	0.00	0.02	0.00	5.86	0.96	0.00	0.00	0.02	0.01
5.88	0.94	0.00	0.00	0.02	0.01	5.90	0.94	0.00	0.00	0.02	0.01
5.92	0.98	0.00	0.00	0.02	0.00	5.94	0.99	0.00	0.00	0.02	0.00
5.96	0.98	0.00	0.00	0.02	0.00	5.98	0.96	0.00	0.00	0.02	0.01
6.00	0.93	0.00	0.00	0.02	0.01	6.02	0.92	0.00	0.00	0.02	0.01
6.04	0.91	0.00	0.00	0.02	0.01	6.06	0.90	0.00	0.00	0.02	0.01
6.08	0.89	0.00	0.00	0.02	0.02	6.10	0.89	0.00	0.00	0.02	0.02
6.12	0.88	0.00	0.00	0.02	0.02	6.14	0.85	0.00	0.00	0.02	0.02
6.16	0.83	0.00	0.00	0.02	0.02	6.18	0.88	0.00	0.00	0.02	0.02
6.20	0.94	0.00	0.00	0.02	0.01	6.22	0.99	0.00	0.00	0.02	0.00
6.24	1.03	0.00	0.00	0.02	0.00	6.26	1.03	0.00	0.00	0.02	0.00
6.28	1.04	0.00	0.00	0.02	0.00	6.30	1.08	0.00	0.00	0.02	0.00
6.32	1.11	0.00	0.00	0.02	0.00	6.34	1.12	0.00	0.00	0.02	0.00
6.36	1.10	0.00	0.00	0.02	0.00	6.38	0.98	0.00	0.00	0.02	0.00
6.40	0.93	0.00	0.00	0.02	0.01	6.42	1.07	0.00	0.00	0.02	0.00
6.44	1.02	0.00	0.00	0.02	0.00	6.46	1.06	0.00	0.00	0.02	0.00
6.48	1.08	0.00	0.00	0.02	0.00	6.50	1.07	0.00	0.00	0.02	0.00
6.52	0.99	0.00	0.00	0.02	0.00	6.54	0.95	0.00	0.00	0.02	0.01
6.56	0.91	0.00	0.00	0.02	0.01	6.58	0.89	0.00	0.00	0.02	0.01
6.60	0.87	0.00	0.00	0.02	0.02	6.62	0.85	0.00	0.00	0.02	0.02
6.64	0.84	0.00	0.00	0.02	0.02	6.66	0.84	0.00	0.00	0.02	0.02
6.68	0.82	0.00	0.00	0.02	0.02	6.70	0.82	0.00	0.00	0.02	0.02
6.72	0.82	0.00	0.00	0.02	0.02	6.74	0.82	0.00	0.00	0.02	0.02
6.76	0.82	0.00	0.00	0.02	0.02	6.78	0.82	0.00	0.00	0.02	0.02
6.80	0.83	0.00	0.00	0.02	0.02	6.82	0.83	0.00	0.00	0.02	0.02
6.84	0.83	0.00	0.00	0.02	0.02	6.86	0.85	0.00	0.00	0.02	0.02
6.88	0.85	0.00	0.00	0.02	0.02	6.90	0.86	0.00	0.00	0.02	0.02
6.92	0.87	0.00	0.00	0.02	0.02	6.94	0.86	0.00	0.00	0.02	0.02
6.96	0.87	0.00	0.00	0.02	0.02	6.98	0.87	0.00	0.00	0.02	0.02
7.00	0.86	0.00	0.00	0.02	0.02	7.02	0.85	0.00	0.00	0.02	0.02
7.04	0.85	0.00	0.00	0.02	0.02	7.06	0.84	0.00	0.00	0.02	0.02
7.08	0.82	0.00	0.00	0.02	0.02	7.10	0.80	0.00	0.00	0.02	0.03
7.12	0.80	0.00	0.00	0.02	0.03	7.14	0.80	0.00	0.00	0.02	0.03
7.16	0.81	0.00	0.00	0.02	0.02	7.18	0.83	0.00	0.00	0.02	0.02
7.20	0.85	0.00	0.00	0.02	0.02	7.22	0.86	0.00	0.00	0.02	0.02
7.24	0.86	0.00	0.00	0.02	0.02	7.26	0.86	0.00	0.00	0.02	0.02
7.28	0.84	0.00	0.00	0.02	0.02	7.30	0.83	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.32	0.81	0.00	0.00	0.02	0.02	7.34	0.79	0.00	0.00	0.02	0.03
7.36	0.78	0.00	0.00	0.02	0.03	7.38	0.77	0.00	0.00	0.02	0.03
7.40	0.76	0.00	0.00	0.02	0.03	7.42	0.75	0.00	0.00	0.02	0.03
7.44	0.76	0.00	0.00	0.02	0.03	7.46	0.78	0.00	0.00	0.02	0.03
7.48	0.79	0.00	0.00	0.02	0.03	7.50	0.83	0.00	0.00	0.02	0.02
7.52	0.86	0.00	0.00	0.02	0.02	7.54	0.88	0.00	0.00	0.02	0.01
7.56	0.88	0.00	0.00	0.02	0.01	7.58	0.88	0.00	0.00	0.02	0.01
7.60	0.89	0.00	0.00	0.02	0.01	7.62	0.88	0.00	0.00	0.02	0.02
7.64	0.87	0.00	0.00	0.02	0.02	7.66	0.87	0.00	0.00	0.02	0.02
7.68	0.87	0.00	0.00	0.02	0.02	7.70	0.87	0.00	0.00	0.02	0.02
7.72	0.87	0.00	0.00	0.02	0.02	7.74	0.87	0.00	0.00	0.02	0.02
7.76	0.87	0.00	0.00	0.02	0.02	7.78	0.87	0.00	0.00	0.02	0.02
7.80	0.88	0.00	0.00	0.02	0.02	7.82	0.88	0.00	0.00	0.02	0.01
7.84	0.90	0.00	0.00	0.02	0.01	7.86	0.92	0.00	0.00	0.02	0.01
7.88	0.95	0.00	0.00	0.02	0.01	7.90	0.98	0.00	0.00	0.02	0.00
7.92	0.98	0.00	0.00	0.02	0.00	7.94	0.99	0.00	0.00	0.02	0.00
7.96	0.98	0.00	0.00	0.02	0.00	7.98	0.99	0.00	0.00	0.02	0.00
8.00	0.99	0.00	0.00	0.02	0.00	8.02	0.99	0.00	0.00	0.02	0.00
8.04	0.99	0.00	0.00	0.02	0.00	8.06	0.99	0.00	0.00	0.02	0.00
8.08	1.01	0.00	0.00	0.02	0.00	8.10	1.02	0.00	0.00	0.02	0.00
8.12	1.04	0.00	0.00	0.02	0.00	8.14	1.05	0.00	0.00	0.02	0.00
8.16	1.07	0.00	0.00	0.02	0.00	8.18	1.10	0.00	0.00	0.02	0.00
8.20	1.12	0.00	0.00	0.02	0.00	8.22	1.15	0.00	0.00	0.02	0.00
8.24	1.15	0.00	0.00	0.02	0.00	8.26	1.15	0.00	0.00	0.02	0.00
8.28	1.16	0.00	0.00	0.02	0.00	8.30	1.19	0.00	0.00	0.02	0.00
8.32	1.21	0.00	0.00	0.02	0.00	8.34	1.23	0.00	0.00	0.02	0.00
8.36	1.26	0.00	0.00	0.02	0.00	8.38	1.28	0.00	0.00	0.02	0.00
8.40	1.30	0.00	0.00	0.02	0.00	8.42	1.32	0.00	0.00	0.02	0.00
8.44	1.32	0.00	0.00	0.02	0.00	8.46	1.30	0.00	0.00	0.02	0.00
8.48	1.30	0.00	0.00	0.02	0.00	8.50	1.29	0.00	0.00	0.02	0.00
8.52	1.26	0.00	0.00	0.02	0.00	8.54	1.24	0.00	0.00	0.02	0.00
8.56	1.22	0.00	0.00	0.02	0.00	8.58	1.22	0.00	0.00	0.02	0.00
8.60	1.22	0.00	0.00	0.02	0.00	8.62	1.21	0.00	0.00	0.02	0.00
8.64	1.22	0.00	0.00	0.02	0.00	8.66	1.22	0.00	0.00	0.02	0.00
8.68	1.23	0.00	0.00	0.02	0.00	8.70	1.22	0.00	0.00	0.02	0.00
8.72	1.22	0.00	0.00	0.02	0.00	8.74	1.22	0.00	0.00	0.02	0.00
8.76	1.23	0.00	0.00	0.02	0.00	8.78	1.25	0.00	0.00	0.02	0.00
8.80	1.31	0.00	0.00	0.02	0.00	8.82	1.34	0.00	0.00	0.02	0.00
8.84	1.39	0.00	0.00	0.02	0.00	8.86	1.44	0.00	0.00	0.02	0.00
8.88	1.54	0.00	0.00	0.02	0.00	8.90	1.62	0.00	0.00	0.02	0.00
8.92	1.74	0.00	0.00	0.02	0.00	8.94	1.84	0.00	0.00	0.02	0.00
8.96	1.86	0.00	0.00	0.02	0.00	8.98	1.90	0.00	0.00	0.02	0.00
9.00	1.95	0.00	0.00	0.02	0.00	9.02	1.93	0.00	0.00	0.02	0.00
9.04	1.70	0.00	0.00	0.02	0.00	9.06	1.69	0.00	0.00	0.02	0.00
9.08	1.58	0.00	0.00	0.02	0.00	9.10	1.48	0.00	0.00	0.02	0.00
9.12	1.35	0.00	0.00	0.02	0.00	9.14	1.20	0.00	0.00	0.02	0.00
9.16	1.11	0.00	0.00	0.02	0.00	9.18	1.06	0.00	0.00	0.02	0.00
9.20	0.99	0.00	0.00	0.02	0.00	9.22	0.93	0.00	0.00	0.02	0.01
9.24	0.88	0.00	0.00	0.02	0.01	9.26	0.87	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.28	0.86	0.00	0.00	0.02	0.01	9.30	0.86	0.00	0.00	0.02	0.02
9.32	0.85	0.00	0.00	0.02	0.02	9.34	0.85	0.00	0.00	0.02	0.02
9.36	0.84	0.00	0.00	0.02	0.02	9.38	0.83	0.00	0.00	0.02	0.02
9.40	0.81	0.00	0.00	0.02	0.02	9.42	0.81	0.00	0.00	0.02	0.02
9.44	0.80	0.00	0.00	0.02	0.02	9.46	0.80	0.00	0.00	0.02	0.02
9.48	0.80	0.00	0.00	0.02	0.02	9.50	0.80	0.00	0.00	0.02	0.02
9.52	0.81	0.00	0.00	0.02	0.02	9.54	0.82	0.00	0.00	0.02	0.02
9.56	0.83	0.00	0.00	0.02	0.02	9.58	0.84	0.00	0.00	0.02	0.02
9.60	0.83	0.00	0.00	0.02	0.02	9.62	0.83	0.00	0.00	0.02	0.02
9.64	0.82	0.00	0.00	0.02	0.02	9.66	0.82	0.00	0.00	0.02	0.02
9.68	0.81	0.00	0.00	0.02	0.02	9.70	0.81	0.00	0.00	0.02	0.02
9.72	0.81	0.00	0.00	0.02	0.02	9.74	0.81	0.00	0.00	0.02	0.02
9.76	0.80	0.00	0.00	0.02	0.02	9.78	0.80	0.00	0.00	0.02	0.02
9.80	0.80	0.00	0.00	0.02	0.02	9.82	0.80	0.00	0.00	0.02	0.02
9.84	0.80	0.00	0.00	0.02	0.02	9.86	0.80	0.00	0.00	0.02	0.02
9.88	0.80	0.00	0.00	0.02	0.02	9.90	0.80	0.00	0.00	0.02	0.02
9.92	0.80	0.00	0.00	0.02	0.02	9.94	0.80	0.00	0.00	0.02	0.02
9.96	0.80	0.00	0.00	0.02	0.02	9.98	0.80	0.00	0.00	0.02	0.02
10.00	0.80	0.00	0.00	0.02	0.02	10.02	0.80	0.00	0.00	0.02	0.02
10.04	0.81	0.00	0.00	0.02	0.02	10.06	0.80	0.00	0.00	0.02	0.02
10.08	0.80	0.00	0.00	0.02	0.02	10.10	0.81	0.00	0.00	0.02	0.02
10.12	0.83	0.00	0.00	0.02	0.02	10.14	0.84	0.00	0.00	0.02	0.02
10.16	0.85	0.00	0.00	0.02	0.01	10.18	0.87	0.00	0.00	0.02	0.01
10.20	0.89	0.00	0.00	0.02	0.01	10.22	0.90	0.00	0.00	0.02	0.01
10.24	0.91	0.00	0.00	0.02	0.01	10.26	0.91	0.00	0.00	0.02	0.01
10.28	0.92	0.00	0.00	0.02	0.01	10.30	0.92	0.00	0.00	0.02	0.01
10.32	0.92	0.00	0.00	0.02	0.01	10.34	0.92	0.00	0.00	0.02	0.01
10.36	0.92	0.00	0.00	0.02	0.01	10.38	0.91	0.00	0.00	0.02	0.01
10.40	0.91	0.00	0.00	0.02	0.01	10.42	0.91	0.00	0.00	0.02	0.01
10.44	0.91	0.00	0.00	0.02	0.01	10.46	0.92	0.00	0.00	0.02	0.01
10.48	0.92	0.00	0.00	0.02	0.01	10.50	0.93	0.00	0.00	0.02	0.01
10.52	0.94	0.00	0.00	0.02	0.01	10.54	0.97	0.00	0.00	0.02	0.00
10.56	0.99	0.00	0.00	0.02	0.00	10.58	1.00	0.00	0.00	0.02	0.00
10.60	1.02	0.00	0.00	0.02	0.00	10.62	1.03	0.00	0.00	0.02	0.00
10.64	1.04	0.00	0.00	0.02	0.00	10.66	1.08	0.00	0.00	0.02	0.00
10.68	1.12	0.00	0.00	0.02	0.00	10.70	1.17	0.00	0.00	0.02	0.00
10.72	1.22	0.00	0.00	0.02	0.00	10.74	1.27	0.00	0.00	0.02	0.00
10.76	1.31	0.00	0.00	0.02	0.00	10.78	1.35	0.00	0.00	0.02	0.00
10.80	1.39	0.00	0.00	0.02	0.00	10.82	1.42	0.00	0.00	0.02	0.00
10.84	1.43	0.00	0.00	0.02	0.00	10.86	1.45	0.00	0.00	0.02	0.00
10.88	1.46	0.00	0.00	0.02	0.00	10.90	1.48	0.00	0.00	0.02	0.00
10.92	1.52	0.00	0.00	0.02	0.00	10.94	1.56	0.00	0.00	0.02	0.00
10.96	1.62	0.00	0.00	0.02	0.00	10.98	1.67	0.00	0.00	0.02	0.00
11.00	1.72	0.00	0.00	0.02	0.00	11.02	1.79	0.00	0.00	0.02	0.00
11.04	1.74	0.00	0.00	0.02	0.00	11.06	1.75	0.00	0.00	0.02	0.00
11.08	1.74	0.00	0.00	0.02	0.00	11.10	1.72	0.00	0.00	0.02	0.00
11.12	1.63	0.00	0.00	0.02	0.00	11.14	1.57	0.00	0.00	0.02	0.00
11.16	1.57	0.00	0.00	0.02	0.00	11.18	1.57	0.00	0.00	0.02	0.00
11.20	1.56	0.00	0.00	0.02	0.00	11.22	1.61	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.24	1.65	0.00	0.00	0.02	0.00	11.26	1.78	0.00	0.00	0.02	0.00
11.28	1.94	0.00	0.00	0.02	0.00	11.30	2.00	0.00	0.00	0.02	0.00
11.32	2.00	0.00	0.00	0.02	0.00	11.34	2.00	0.00	0.00	0.02	0.00
11.36	2.00	0.00	0.00	0.02	0.00	11.38	2.00	0.00	0.00	0.02	0.00
11.40	2.00	0.00	0.00	0.02	0.00	11.42	2.00	0.00	0.00	0.02	0.00
11.44	2.00	0.00	0.00	0.02	0.00	11.46	2.00	0.00	0.00	0.02	0.00
11.48	2.00	0.00	0.00	0.02	0.00	11.50	2.00	0.00	0.00	0.02	0.00
11.52	2.00	0.00	0.00	0.02	0.00	11.54	2.00	0.00	0.00	0.02	0.00
11.56	2.00	0.00	0.00	0.02	0.00	11.58	2.00	0.00	0.00	0.02	0.00
11.60	2.00	0.00	0.00	0.02	0.00	11.62	2.00	0.00	0.00	0.02	0.00
11.64	2.00	0.00	0.00	0.02	0.00	11.66	2.00	0.00	0.00	0.02	0.00
11.68	2.00	0.00	0.00	0.02	0.00	11.70	2.00	0.00	0.00	0.02	0.00
11.72	2.00	0.00	0.00	0.02	0.00	11.74	2.00	0.00	0.00	0.02	0.00
11.76	2.00	0.00	0.00	0.02	0.00	11.78	2.00	0.00	0.00	0.02	0.00
11.80	2.00	0.00	0.00	0.02	0.00	11.82	2.00	0.00	0.00	0.02	0.00
11.84	2.00	0.00	0.00	0.02	0.00	11.86	2.00	0.00	0.00	0.02	0.00
11.88	2.00	0.00	0.00	0.02	0.00	11.90	2.00	0.00	0.00	0.02	0.00
11.92	1.82	0.00	0.00	0.02	0.00	11.94	1.60	0.00	0.00	0.02	0.00
11.96	1.43	0.00	0.00	0.02	0.00	11.98	1.41	0.00	0.00	0.02	0.00
12.00	1.41	0.00	0.00	0.02	0.00	12.02	1.41	0.00	0.00	0.02	0.00
12.04	1.41	0.00	0.00	0.02	0.00	12.06	1.45	0.00	0.00	0.02	0.00
12.08	1.49	0.00	0.00	0.02	0.00	12.10	1.52	0.00	0.00	0.02	0.00
12.12	1.52	0.00	0.00	0.02	0.00	12.14	1.51	0.00	0.00	0.02	0.00
12.16	1.48	0.00	0.00	0.02	0.00	12.18	1.44	0.00	0.00	0.02	0.00
12.20	1.39	0.00	0.00	0.02	0.00	12.22	1.34	0.00	0.00	0.02	0.00
12.24	1.28	0.00	0.00	0.02	0.00	12.26	1.23	0.00	0.00	0.02	0.00
12.28	1.21	0.00	0.00	0.02	0.00	12.30	1.20	0.00	0.00	0.02	0.00
12.32	1.16	0.00	0.00	0.02	0.00	12.34	1.10	0.00	0.00	0.02	0.00
12.36	1.02	0.00	0.00	0.02	0.00	12.38	0.97	0.00	0.00	0.02	0.00
12.40	0.95	0.00	0.00	0.02	0.00	12.42	0.95	0.00	0.00	0.02	0.00
12.44	0.95	0.00	0.00	0.02	0.00	12.46	0.95	0.00	0.00	0.02	0.00
12.48	0.95	0.00	0.00	0.02	0.00	12.50	0.95	0.00	0.00	0.02	0.00
12.52	0.95	0.00	0.00	0.02	0.00	12.54	0.95	0.00	0.00	0.02	0.00
12.56	0.96	0.00	0.00	0.02	0.00	12.58	0.96	0.00	0.00	0.02	0.00
12.60	0.96	0.00	0.00	0.02	0.00	12.62	0.96	0.00	0.00	0.02	0.00
12.64	0.96	0.00	0.00	0.02	0.00	12.66	0.96	0.00	0.00	0.02	0.00
12.68	0.96	0.00	0.00	0.02	0.00	12.70	0.97	0.00	0.00	0.02	0.00
12.72	0.99	0.00	0.00	0.02	0.00	12.74	1.01	0.00	0.00	0.02	0.00
12.76	1.03	0.00	0.00	0.02	0.00	12.78	1.04	0.00	0.00	0.02	0.00
12.80	1.07	0.00	0.00	0.02	0.00	12.82	1.14	0.00	0.00	0.02	0.00
12.84	1.19	0.00	0.00	0.02	0.00	12.86	1.25	0.00	0.00	0.02	0.00
12.88	1.27	0.00	0.00	0.02	0.00	12.90	1.26	0.00	0.00	0.02	0.00
12.92	1.19	0.00	0.00	0.02	0.00	12.94	1.12	0.00	0.00	0.02	0.00
12.96	1.06	0.00	0.00	0.02	0.00	12.98	0.99	0.00	0.00	0.02	0.00
13.00	0.94	0.00	0.00	0.02	0.00	13.01	1.07	0.00	0.00	0.02	0.00
13.03	1.06	0.00	0.00	0.02	0.00	13.05	1.08	0.00	0.00	0.02	0.00
13.07	1.08	0.00	0.00	0.02	0.00	13.09	1.08	0.00	0.00	0.02	0.00
13.11	1.07	0.00	0.00	0.02	0.00	13.13	1.08	0.00	0.00	0.02	0.00
13.15	1.07	0.00	0.00	0.02	0.00	13.17	1.05	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.19	1.04	0.00	0.00	0.02	0.00	13.21	1.04	0.00	0.00	0.02	0.00
13.23	1.02	0.00	0.00	0.02	0.00	13.25	1.00	0.00	0.00	0.02	0.00
13.27	1.00	0.00	0.00	0.02	0.00	13.29	1.00	0.00	0.00	0.02	0.00
13.31	0.99	0.00	0.00	0.02	0.00	13.33	1.00	0.00	0.00	0.02	0.00
13.35	0.97	0.00	0.00	0.02	0.00	13.37	0.98	0.00	0.00	0.02	0.00
13.39	0.98	0.00	0.00	0.02	0.00	13.41	0.98	0.00	0.00	0.02	0.00
13.43	0.98	0.00	0.00	0.02	0.00	13.45	0.98	0.00	0.00	0.02	0.00
13.47	0.97	0.00	0.00	0.02	0.00	13.49	0.94	0.00	0.00	0.02	0.00
13.51	0.96	0.00	0.00	0.02	0.00	13.53	1.02	0.00	0.00	0.02	0.00
13.55	1.07	0.00	0.00	0.02	0.00	13.57	1.10	0.00	0.00	0.02	0.00
13.59	1.11	0.00	0.00	0.02	0.00	13.61	1.13	0.00	0.00	0.02	0.00
13.63	1.16	0.00	0.00	0.02	0.00	13.65	1.23	0.00	0.00	0.02	0.00
13.67	1.32	0.00	0.00	0.02	0.00	13.69	1.46	0.00	0.00	0.02	0.00
13.71	1.56	0.00	0.00	0.02	0.00	13.73	1.63	0.00	0.00	0.02	0.00
13.75	1.59	0.00	0.00	0.02	0.00	13.77	1.48	0.00	0.00	0.02	0.00
13.79	1.34	0.00	0.00	0.02	0.00	13.81	1.18	0.00	0.00	0.02	0.00
13.83	1.10	0.00	0.00	0.02	0.00	13.85	1.01	0.00	0.00	0.02	0.00
13.87	1.02	0.00	0.00	0.02	0.00	13.89	0.97	0.00	0.00	0.02	0.00
13.91	0.96	0.00	0.00	0.02	0.00	13.93	0.95	0.00	0.00	0.02	0.00
13.95	0.92	0.00	0.00	0.02	0.01	13.97	0.96	0.00	0.00	0.02	0.00
13.99	1.03	0.00	0.00	0.02	0.00	14.01	1.06	0.00	0.00	0.02	0.00
14.03	0.99	0.00	0.00	0.02	0.00	14.05	0.98	0.00	0.00	0.02	0.00
14.07	0.98	0.00	0.00	0.02	0.00	14.09	0.98	0.00	0.00	0.02	0.00
14.11	0.98	0.00	0.00	0.02	0.00	14.13	0.98	0.00	0.00	0.02	0.00
14.15	0.98	0.00	0.00	0.02	0.00	14.17	0.98	0.00	0.00	0.02	0.00
14.19	0.98	0.00	0.00	0.02	0.00	14.21	0.99	0.00	0.00	0.02	0.00
14.23	0.96	0.00	0.00	0.02	0.00	14.25	0.93	0.00	0.00	0.02	0.00
14.27	0.89	0.00	0.00	0.02	0.01	14.29	0.87	0.00	0.00	0.02	0.01
14.31	0.85	0.00	0.00	0.02	0.01	14.33	0.85	0.00	0.00	0.02	0.01
14.35	0.85	0.00	0.00	0.02	0.01	14.37	0.85	0.00	0.00	0.02	0.01
14.39	0.89	0.00	0.00	0.02	0.01	14.41	0.97	0.00	0.00	0.02	0.00
14.43	1.08	0.00	0.00	0.02	0.00	14.45	1.19	0.00	0.00	0.02	0.00
14.47	1.31	0.00	0.00	0.02	0.00	14.49	1.34	0.00	0.00	0.02	0.00
14.51	1.35	0.00	0.00	0.02	0.00	14.53	1.33	0.00	0.00	0.02	0.00
14.55	1.32	0.00	0.00	0.02	0.00	14.57	1.32	0.00	0.00	0.02	0.00
14.59	1.32	0.00	0.00	0.02	0.00	14.61	1.33	0.00	0.00	0.02	0.00
14.63	1.47	0.00	0.00	0.02	0.00	14.65	1.69	0.00	0.00	0.02	0.00
14.67	1.88	0.00	0.00	0.02	0.00	14.69	2.00	0.00	0.00	0.02	0.00
14.71	2.00	0.00	0.00	0.02	0.00	14.73	2.00	0.00	0.00	0.02	0.00
14.75	2.00	0.00	0.00	0.02	0.00	14.77	2.00	0.00	0.00	0.02	0.00
14.79	2.00	0.00	0.00	0.02	0.00	14.81	2.00	0.00	0.00	0.02	0.00
14.83	2.00	0.00	0.00	0.02	0.00	14.85	2.00	0.00	0.00	0.02	0.00
14.87	2.00	0.00	0.00	0.02	0.00	14.89	2.00	0.00	0.00	0.02	0.00
14.91	2.00	0.00	0.00	0.02	0.00	14.93	2.00	0.00	0.00	0.02	0.00
14.95	2.00	0.00	0.00	0.02	0.00	14.97	2.00	0.00	0.00	0.02	0.00
14.99	2.00	0.00	0.00	0.02	0.00	15.01	2.00	0.00	0.00	0.02	0.00
15.03	2.00	0.00	0.00	0.02	0.00	15.05	2.00	0.00	0.00	0.02	0.00
15.07	2.00	0.00	0.00	0.02	0.00	15.09	2.00	0.00	0.00	0.02	0.00
15.11	2.00	0.00	0.00	0.02	0.00	15.13	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.15	2.00	0.00	0.00	0.02	0.00	15.17	2.00	0.00	0.00	0.02	0.00
15.19	2.00	0.00	0.00	0.02	0.00	15.21	2.00	0.00	0.00	0.02	0.00
15.23	2.00	0.00	0.00	0.02	0.00	15.25	2.00	0.00	0.00	0.02	0.00
15.27	1.79	0.00	0.00	0.02	0.00	15.29	1.56	0.00	0.00	0.02	0.00
15.31	1.38	0.00	0.00	0.02	0.00	15.33	1.32	0.00	0.00	0.02	0.00
15.35	1.30	0.00	0.00	0.02	0.00	15.37	1.26	0.00	0.00	0.02	0.00
15.39	1.19	0.00	0.00	0.02	0.00	15.41	1.10	0.00	0.00	0.02	0.00
15.43	1.05	0.00	0.00	0.02	0.00	15.45	1.01	0.00	0.00	0.02	0.00
15.47	0.98	0.00	0.00	0.02	0.00	15.49	0.96	0.00	0.00	0.02	0.00
15.51	0.95	0.00	0.00	0.02	0.00	15.53	0.93	0.00	0.00	0.02	0.00
15.55	0.92	0.00	0.00	0.02	0.00	15.57	0.92	0.00	0.00	0.02	0.00
15.59	0.92	0.00	0.00	0.02	0.00	15.61	0.92	0.00	0.00	0.02	0.00
15.63	0.92	0.00	0.00	0.02	0.00	15.65	0.96	0.00	0.00	0.02	0.00
15.67	0.99	0.00	0.00	0.02	0.00	15.69	0.98	0.00	0.00	0.02	0.00
15.71	0.98	0.00	0.00	0.02	0.00	15.73	0.98	0.00	0.00	0.02	0.00
15.75	0.98	0.00	0.00	0.02	0.00	15.77	0.99	0.00	0.00	0.02	0.00
15.79	1.00	0.00	0.00	0.02	0.00	15.81	1.04	0.00	0.00	0.02	0.00
15.83	1.14	0.00	0.00	0.02	0.00	15.85	1.22	0.00	0.00	0.02	0.00
15.87	1.53	0.00	0.00	0.02	0.00	15.89	1.41	0.00	0.00	0.02	0.00
15.91	1.54	0.00	0.00	0.02	0.00	15.93	1.51	0.00	0.00	0.02	0.00
15.95	1.41	0.00	0.00	0.02	0.00	15.97	1.31	0.00	0.00	0.02	0.00
15.99	1.28	0.00	0.00	0.02	0.00	16.01	1.21	0.00	0.00	0.02	0.00
16.03	1.20	0.00	0.00	0.02	0.00	16.05	1.16	0.00	0.00	0.02	0.00
16.07	1.15	0.00	0.00	0.02	0.00	16.09	1.14	0.00	0.00	0.02	0.00
16.11	1.12	0.00	0.00	0.02	0.00	16.13	1.08	0.00	0.00	0.02	0.00
16.15	1.03	0.00	0.00	0.02	0.00	16.17	1.02	0.00	0.00	0.02	0.00
16.19	1.01	0.00	0.00	0.02	0.00	16.21	1.02	0.00	0.00	0.02	0.00
16.23	1.00	0.00	0.00	0.02	0.00	16.25	1.00	0.00	0.00	0.02	0.00
16.27	1.02	0.00	0.00	0.02	0.00	16.29	1.03	0.00	0.00	0.02	0.00
16.31	0.97	0.00	0.00	0.02	0.00	16.33	0.94	0.00	0.00	0.02	0.00
16.35	0.94	0.00	0.00	0.02	0.00	16.37	0.95	0.00	0.00	0.02	0.00
16.39	0.93	0.00	0.00	0.02	0.00	16.41	0.94	0.00	0.00	0.02	0.00
16.43	0.98	0.00	0.00	0.02	0.00	16.45	1.04	0.00	0.00	0.02	0.00
16.47	1.08	0.00	0.00	0.02	0.00	16.49	1.12	0.00	0.00	0.02	0.00
16.51	1.12	0.00	0.00	0.02	0.00	16.53	1.14	0.00	0.00	0.02	0.00
16.55	1.13	0.00	0.00	0.02	0.00	16.57	1.12	0.00	0.00	0.02	0.00
16.59	1.11	0.00	0.00	0.02	0.00	16.61	1.10	0.00	0.00	0.02	0.00
16.62	1.07	0.00	0.00	0.02	0.00	16.64	1.05	0.00	0.00	0.02	0.00
16.66	1.01	0.00	0.00	0.02	0.00	16.68	0.98	0.00	0.00	0.02	0.00
16.70	0.94	0.00	0.00	0.02	0.00	16.72	0.93	0.00	0.00	0.02	0.00
16.74	0.94	0.00	0.00	0.02	0.00	16.76	0.95	0.00	0.00	0.02	0.00
16.78	0.99	0.00	0.00	0.02	0.00	16.80	1.05	0.00	0.00	0.02	0.00
16.82	1.07	0.00	0.00	0.02	0.00	16.84	1.10	0.00	0.00	0.02	0.00
16.86	1.09	0.00	0.00	0.02	0.00	16.88	1.06	0.00	0.00	0.02	0.00
16.90	1.04	0.00	0.00	0.02	0.00	16.92	0.99	0.00	0.00	0.02	0.00
16.94	0.94	0.00	0.00	0.02	0.00	16.96	0.94	0.00	0.00	0.02	0.00
16.98	0.94	0.00	0.00	0.02	0.00	17.00	1.01	0.00	0.00	0.02	0.00
17.02	1.03	0.00	0.00	0.02	0.00	17.04	1.03	0.00	0.00	0.02	0.00
17.06	1.05	0.00	0.00	0.02	0.00	17.08	1.10	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.10	1.08	0.00	0.00	0.02	0.00	17.12	0.96	0.00	0.00	0.02	0.00
17.14	1.04	0.00	0.00	0.02	0.00	17.16	1.09	0.00	0.00	0.02	0.00
17.18	1.13	0.00	0.00	0.02	0.00	17.20	1.18	0.00	0.00	0.02	0.00
17.22	1.23	0.00	0.00	0.02	0.00	17.24	1.35	0.00	0.00	0.02	0.00
17.26	1.52	0.00	0.00	0.02	0.00	17.28	1.69	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	1.98	0.00	0.00	0.02	0.00
17.42	1.51	0.00	0.00	0.02	0.00	17.44	1.15	0.00	0.00	0.02	0.00
17.46	1.01	0.00	0.00	0.02	0.00	17.48	1.08	0.00	0.00	0.02	0.00
17.50	1.14	0.00	0.00	0.02	0.00	17.52	1.15	0.00	0.00	0.02	0.00
17.54	1.13	0.00	0.00	0.02	0.00	17.56	1.09	0.00	0.00	0.02	0.00
17.58	1.05	0.00	0.00	0.02	0.00	17.60	1.02	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.64	2.00	0.00	0.00	0.02	0.00
17.66	2.00	0.00	0.00	0.02	0.00	17.68	2.00	0.00	0.00	0.02	0.00
17.70	2.00	0.00	0.00	0.02	0.00	17.72	2.00	0.00	0.00	0.02	0.00
17.74	2.00	0.00	0.00	0.02	0.00	17.76	2.00	0.00	0.00	0.02	0.00
17.78	1.11	0.00	0.00	0.02	0.00	17.80	1.16	0.00	0.00	0.02	0.00
17.82	1.17	0.00	0.00	0.02	0.00	17.84	1.14	0.00	0.00	0.02	0.00
17.86	1.11	0.00	0.00	0.02	0.00	17.88	1.08	0.00	0.00	0.02	0.00
17.90	1.02	0.00	0.00	0.02	0.00	17.92	1.00	0.00	0.00	0.02	0.00
17.94	0.97	0.00	0.00	0.02	0.00	17.96	1.02	0.00	0.00	0.02	0.00
17.98	1.09	0.00	0.00	0.02	0.00	18.00	1.13	0.00	0.00	0.02	0.00
18.02	1.23	0.00	0.00	0.02	0.00	18.04	1.30	0.00	0.00	0.02	0.00
18.06	1.38	0.00	0.00	0.02	0.00	18.08	1.39	0.00	0.00	0.02	0.00
18.10	1.35	0.00	0.00	0.02	0.00	18.12	1.23	0.00	0.00	0.02	0.00
18.14	1.34	0.00	0.00	0.02	0.00	18.16	1.46	0.00	0.00	0.02	0.00
18.18	1.51	0.00	0.00	0.02	0.00	18.20	1.56	0.00	0.00	0.02	0.00
18.22	1.41	0.00	0.00	0.02	0.00	18.24	1.21	0.00	0.00	0.02	0.00
18.26	1.26	0.00	0.00	0.02	0.00	18.28	1.41	0.00	0.00	0.02	0.00
18.30	1.53	0.00	0.00	0.02	0.00	18.32	1.59	0.00	0.00	0.02	0.00
18.34	1.55	0.00	0.00	0.02	0.00	18.36	1.39	0.00	0.00	0.02	0.00
18.38	1.29	0.00	0.00	0.02	0.00	18.40	1.19	0.00	0.00	0.02	0.00
18.42	1.16	0.00	0.00	0.02	0.00	18.44	1.16	0.00	0.00	0.02	0.00
18.46	1.16	0.00	0.00	0.02	0.00	18.48	1.20	0.00	0.00	0.02	0.00
18.50	1.18	0.00	0.00	0.02	0.00	18.52	1.17	0.00	0.00	0.02	0.00
18.54	1.23	0.00	0.00	0.02	0.00	18.56	1.26	0.00	0.00	0.02	0.00
18.58	1.28	0.00	0.00	0.02	0.00	18.60	1.47	0.00	0.00	0.02	0.00
18.62	1.71	0.00	0.00	0.02	0.00	18.64	1.79	0.00	0.00	0.02	0.00
18.66	1.83	0.00	0.00	0.02	0.00	18.68	1.96	0.00	0.00	0.02	0.00
18.70	2.00	0.00	0.00	0.02	0.00	18.72	2.00	0.00	0.00	0.02	0.00
18.74	2.00	0.00	0.00	0.02	0.00	18.76	2.00	0.00	0.00	0.02	0.00

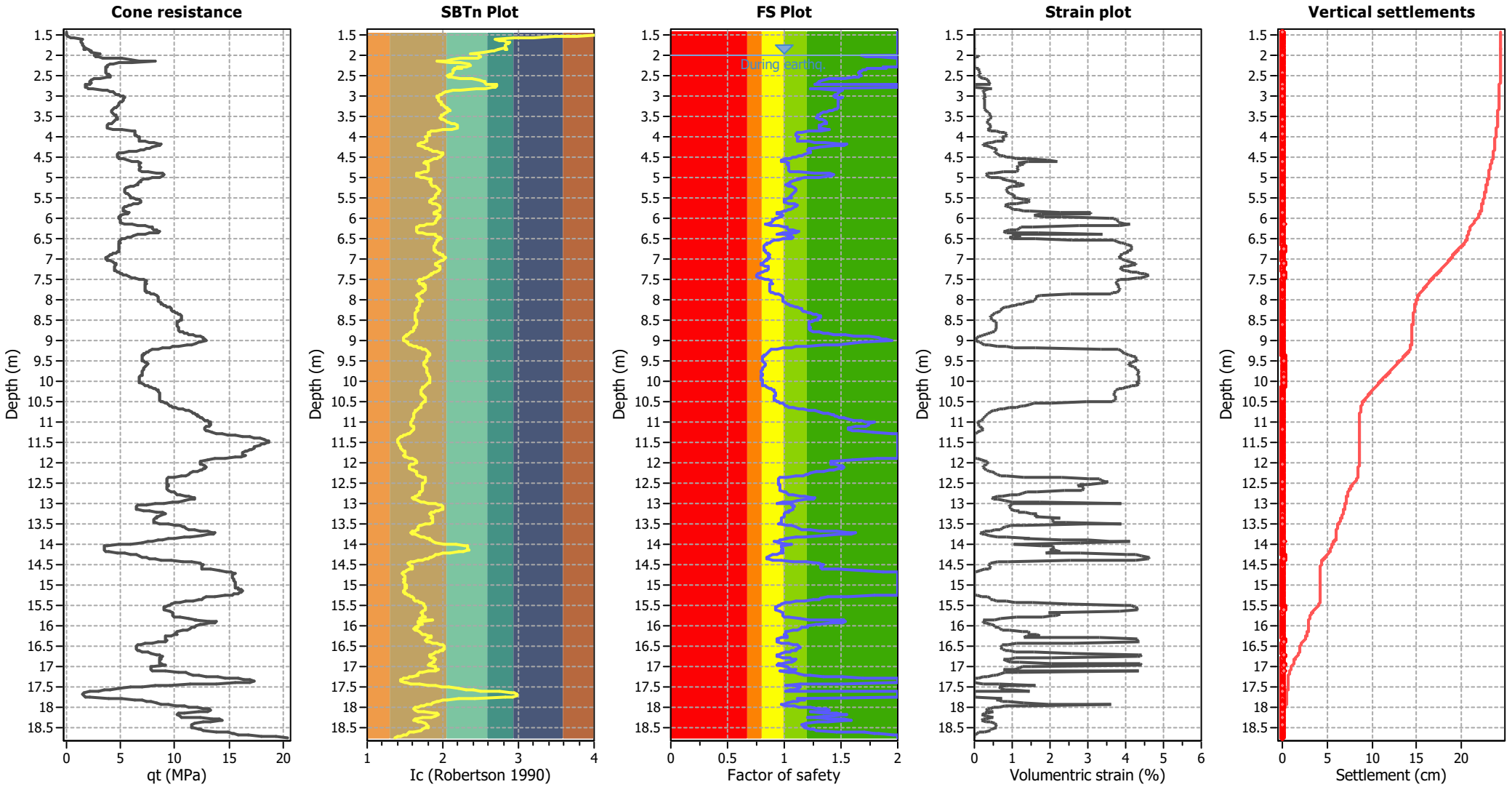
Overall liquefaction potential: 2.85

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.44	4.06	-1.00	54.25	-54.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.46	4.06	-1.00	54.25	-54.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.48	4.06	0.01	54.25	0.72	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.50	4.06	0.20	54.25	10.58	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.52	4.06	0.56	54.25	30.55	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.54	3.78	1.30	33.95	44.28	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.56	3.47	2.79	20.43	57.00	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.58	3.20	5.77	12.62	72.79	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.60	2.93	11.73	7.72	90.49	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.69	23.65	4.58	108.40	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.76	22.73	5.35	121.52	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.82	22.89	6.05	138.48	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.86	23.06	6.57	151.54	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.89	22.94	7.01	160.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	2.87	23.56	6.74	158.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.84	24.58	6.40	157.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.83	25.24	6.20	156.52	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.82	25.75	6.11	157.44	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.82	26.60	6.13	163.06	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.85	26.57	6.46	171.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.82	28.30	6.12	173.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.80	30.03	5.84	175.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.73	33.77	5.03	169.85	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.66	37.66	4.34	163.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.66	35.40	4.32	152.79	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.54	38.74	3.29	127.41	34	52018	0.09	0.005	0.00	3.58	0.00	0.000
1.96	2.36	52.15	2.17	113.07	27	55428	0.08	0.005	0.00	3.58	0.00	0.000
1.98	2.45	44.64	2.67	119.29	30	53476	0.09	0.005	0.00	3.58	0.00	0.000
2.00	2.48	42.41	2.87	121.79	31	52867	0.09	0.005	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	105.43	1.68	0.11	1.00	0.00	2.04	107.12	1.71	0.10	1.00	0.00
2.06	112.29	1.83	0.06	1.00	0.00	2.08	121.35	2.00	0.00	1.00	0.00
2.10	144.89	2.00	0.00	1.00	0.00	2.12	152.06	2.00	0.00	1.00	0.00
2.14	156.57	2.00	0.00	1.00	0.00	2.16	158.19	2.00	0.00	1.00	0.00
2.18	152.24	2.00	0.00	1.00	0.00	2.20	140.94	2.00	0.00	1.00	0.00
2.22	134.59	2.00	0.00	1.00	0.00	2.24	130.04	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.26	125.44	2.00	0.00	1.00	0.00	2.28	123.57	2.00	0.00	1.00	0.00
2.30	117.54	1.87	0.05	1.00	0.00	2.32	118.73	1.90	0.04	1.00	0.00
2.34	113.52	1.74	0.10	1.00	0.00	2.36	112.86	1.71	0.11	1.00	0.00
2.38	112.17	1.69	0.12	1.00	0.00	2.40	112.26	1.68	0.13	1.00	0.00
2.42	112.02	1.67	0.13	1.00	0.00	2.44	111.88	1.66	0.14	1.00	0.00
2.46	112.32	1.66	0.14	1.00	0.00	2.48	113.04	1.67	0.13	1.00	0.00
2.50	113.58	1.68	0.13	1.00	0.00	2.52	113.49	1.67	0.13	1.00	0.00
2.54	113.04	1.65	0.14	1.00	0.00	2.56	111.68	1.61	0.16	1.00	0.00
2.58	107.86	1.52	0.22	1.00	0.00	2.60	102.07	1.40	0.30	1.00	0.01
2.62	98.86	1.34	0.35	1.00	0.01	2.64	97.47	1.31	0.37	1.00	0.01
2.66	97.57	1.31	0.38	1.00	0.01	2.68	97.34	1.30	0.39	1.00	0.01
2.70	98.06	1.31	0.38	1.00	0.01	2.72	95.73	1.27	0.42	1.00	0.01
2.74	28.69	2.00	0.00	1.00	0.00	2.76	28.16	2.00	0.00	1.00	0.00
2.78	29.68	2.00	0.00	1.00	0.00	2.80	31.20	2.00	0.00	1.00	0.00
2.82	94.54	1.23	0.48	1.00	0.01	2.84	99.77	1.31	0.39	1.00	0.01
2.86	108.62	1.46	0.26	1.00	0.01	2.88	110.95	1.51	0.23	1.00	0.00
2.90	110.23	1.49	0.25	1.00	0.00	2.92	110.22	1.48	0.25	1.00	0.00
2.94	110.06	1.48	0.26	1.00	0.01	2.96	109.69	1.46	0.26	1.00	0.01
2.98	109.38	1.45	0.27	1.00	0.01	3.00	108.81	1.44	0.29	1.00	0.01
3.02	108.72	1.43	0.29	1.00	0.01	3.04	109.86	1.45	0.28	1.00	0.01
3.06	112.74	1.51	0.23	1.00	0.00	3.08	111.29	1.47	0.26	1.00	0.01
3.10	111.40	1.47	0.26	1.00	0.01	3.12	111.46	1.47	0.26	1.00	0.01
3.14	111.92	1.48	0.26	1.00	0.01	3.16	112.13	1.48	0.26	1.00	0.01
3.18	112.17	1.47	0.26	1.00	0.01	3.20	112.18	1.47	0.26	1.00	0.01
3.22	112.25	1.47	0.27	1.00	0.01	3.24	112.37	1.47	0.27	1.00	0.01
3.26	112.94	1.48	0.26	1.00	0.01	3.28	113.07	1.48	0.26	1.00	0.01
3.30	113.07	1.47	0.26	1.00	0.01	3.32	112.71	1.46	0.27	1.00	0.01
3.34	112.01	1.44	0.29	1.00	0.01	3.36	111.24	1.42	0.30	1.00	0.01
3.38	110.19	1.40	0.33	1.00	0.01	3.40	108.93	1.37	0.35	1.00	0.01
3.42	108.00	1.35	0.37	1.00	0.01	3.44	106.70	1.32	0.40	1.00	0.01
3.46	106.18	1.31	0.41	1.00	0.01	3.48	105.53	1.30	0.43	1.00	0.01
3.50	105.61	1.30	0.43	1.00	0.01	3.52	105.50	1.29	0.44	1.00	0.01
3.54	105.21	1.28	0.45	1.00	0.01	3.56	105.79	1.29	0.44	1.00	0.01
3.59	106.93	1.31	0.42	1.00	0.01	3.60	108.55	1.34	0.39	1.00	0.00
3.62	110.02	1.36	0.36	1.00	0.01	3.64	110.54	1.37	0.36	1.00	0.01
3.66	110.58	1.37	0.36	1.00	0.01	3.68	110.56	1.37	0.36	1.00	0.01
3.70	109.39	1.34	0.39	1.00	0.01	3.72	108.22	1.32	0.42	1.00	0.01
3.74	108.06	1.31	0.42	1.00	0.01	3.76	108.14	1.31	0.42	1.00	0.01
3.78	108.43	1.31	0.42	1.00	0.01	3.80	109.07	1.32	0.41	1.00	0.01
3.82	111.96	1.38	0.35	1.00	0.01	3.84	112.97	1.40	0.34	1.00	0.01
3.86	109.57	1.33	0.41	1.00	0.01	3.88	103.14	1.21	0.56	1.00	0.01
3.90	99.02	1.15	0.69	1.00	0.01	3.92	96.27	1.11	0.81	1.00	0.02
3.94	95.76	1.10	0.84	1.00	0.02	3.96	96.04	1.10	0.83	1.00	0.02
3.98	96.08	1.10	0.83	1.00	0.02	4.00	97.18	1.11	0.79	1.00	0.02
4.02	98.39	1.13	0.75	1.00	0.01	4.04	97.74	1.12	0.78	1.00	0.02
4.06	97.88	1.12	0.78	1.00	0.02	4.08	97.90	1.12	0.78	1.00	0.02
4.10	98.26	1.12	0.77	1.00	0.02	4.12	104.45	1.21	0.57	1.00	0.01
4.14	108.11	1.27	0.48	1.00	0.01	4.16	112.98	1.37	0.37	1.00	0.01
4.18	118.97	1.50	0.25	1.00	0.01	4.20	121.15	1.56	0.22	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.22	119.93	1.52	0.24	1.00	0.00	4.24	117.01	1.45	0.30	1.00	0.01
4.26	111.23	1.32	0.42	1.00	0.01	4.28	107.26	1.25	0.51	1.00	0.01
4.30	105.56	1.22	0.56	1.00	0.01	4.32	105.40	1.21	0.57	1.00	0.01
4.34	105.14	1.21	0.58	1.00	0.01	4.36	105.60	1.21	0.57	1.00	0.01
4.38	107.09	1.24	0.53	1.00	0.01	4.40	106.87	1.23	0.54	1.00	0.01
4.42	105.76	1.21	0.57	1.00	0.01	4.44	104.13	1.18	0.62	1.00	0.01
4.46	102.36	1.16	0.69	1.00	0.01	4.48	100.66	1.13	0.76	1.00	0.02
4.50	98.75	1.10	0.84	1.00	0.02	4.52	96.70	1.07	0.96	1.00	0.02
4.54	94.66	1.05	1.11	1.00	0.02	4.56	91.91	1.01	1.39	1.00	0.03
4.58	88.92	0.98	1.93	1.00	0.04	4.60	88.08	0.97	2.19	1.00	0.04
4.62	91.86	1.01	1.43	1.00	0.03	4.64	94.68	1.04	1.14	1.00	0.02
4.66	92.91	1.02	1.32	1.00	0.03	4.68	93.19	1.02	1.30	1.00	0.03
4.70	93.87	1.03	1.24	1.00	0.02	4.72	94.34	1.03	1.20	1.00	0.02
4.74	94.75	1.04	1.17	1.00	0.02	4.76	95.26	1.04	1.13	1.00	0.02
4.78	95.03	1.04	1.16	1.00	0.02	4.80	95.06	1.04	1.16	1.00	0.02
4.82	95.18	1.04	1.16	1.00	0.02	4.84	95.12	1.04	1.17	1.00	0.02
4.86	95.93	1.05	1.11	1.00	0.02	4.88	101.92	1.13	0.77	1.00	0.02
4.90	110.51	1.27	0.49	1.00	0.01	4.92	117.16	1.40	0.34	1.00	0.01
4.94	118.82	1.44	0.31	1.00	0.01	4.96	117.42	1.40	0.34	1.00	0.01
4.98	116.67	1.39	0.35	1.00	0.01	5.00	112.87	1.31	0.44	1.00	0.01
5.02	105.88	1.18	0.64	1.00	0.01	5.04	101.97	1.12	0.79	1.00	0.02
5.06	103.49	1.14	0.73	1.00	0.01	5.08	100.30	1.09	0.88	1.00	0.02
5.10	96.64	1.05	1.11	1.00	0.02	5.12	96.90	1.05	1.09	1.00	0.02
5.14	96.99	1.05	1.09	1.00	0.02	5.16	95.84	1.03	1.19	1.00	0.02
5.19	94.60	1.02	1.32	1.00	0.04	5.20	94.70	1.02	1.31	1.00	0.01
5.22	96.46	1.04	1.15	1.00	0.02	5.24	98.49	1.06	1.01	1.00	0.02
5.26	100.48	1.09	0.89	1.00	0.02	5.28	101.11	1.10	0.86	1.00	0.02
5.30	101.40	1.10	0.85	1.00	0.02	5.32	101.71	1.11	0.84	1.00	0.02
5.34	101.81	1.11	0.84	1.00	0.02	5.36	101.17	1.10	0.87	1.00	0.02
5.38	100.70	1.09	0.90	1.00	0.02	5.40	100.10	1.08	0.93	1.00	0.02
5.42	99.48	1.07	0.97	1.00	0.02	5.44	98.77	1.06	1.02	1.00	0.02
5.46	98.23	1.05	1.06	1.00	0.02	5.48	98.37	1.05	1.05	1.00	0.02
5.50	98.65	1.06	1.04	1.00	0.02	5.52	97.56	1.04	1.12	1.00	0.02
5.54	95.62	1.02	1.30	1.00	0.03	5.56	94.56	1.01	1.43	1.00	0.03
5.58	94.35	1.00	1.46	1.00	0.03	5.60	94.64	1.01	1.43	1.00	0.03
5.62	95.81	1.02	1.30	1.00	0.03	5.64	97.63	1.04	1.13	1.00	0.02
5.66	101.12	1.09	0.91	1.00	0.02	5.68	103.38	1.12	0.80	1.00	0.02
5.70	102.99	1.11	0.82	1.00	0.02	5.72	102.55	1.11	0.84	1.00	0.02
5.74	101.19	1.09	0.91	1.00	0.02	5.76	100.39	1.07	0.96	1.00	0.02
5.78	99.16	1.06	1.04	1.00	0.02	5.80	97.60	1.04	1.16	1.00	0.02
5.82	96.11	1.02	1.30	1.00	0.03	5.84	94.79	1.00	1.47	1.00	0.03
5.86	91.02	0.96	2.26	1.00	0.05	5.88	89.28	0.94	3.07	1.00	0.06
5.90	89.33	0.94	3.06	1.00	0.06	5.92	93.03	0.98	1.77	1.00	0.04
5.94	94.07	0.99	1.59	1.00	0.03	5.96	92.80	0.98	1.83	1.00	0.04
5.98	91.05	0.96	2.32	1.00	0.05	6.00	88.76	0.93	3.59	1.00	0.07
6.02	87.25	0.92	3.68	1.00	0.07	6.04	86.31	0.91	3.72	1.00	0.07
6.06	85.22	0.90	3.77	1.00	0.08	6.08	84.66	0.89	3.79	1.00	0.08
6.10	84.33	0.89	3.81	1.00	0.08	6.12	83.72	0.88	3.84	1.00	0.08
6.14	80.28	0.85	4.00	1.00	0.08	6.16	78.04	0.83	4.11	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.18	83.49	0.88	3.85	1.00	0.08	6.20	90.33	0.94	2.75	1.00	0.05
6.22	94.87	0.99	1.54	1.00	0.03	6.24	97.71	1.03	1.22	1.00	0.02
6.26	97.95	1.03	1.20	1.00	0.02	6.28	98.85	1.04	1.12	1.00	0.02
6.30	101.75	1.08	0.93	1.00	0.02	6.32	104.11	1.11	0.81	1.00	0.02
6.34	104.76	1.12	0.78	1.00	0.02	6.36	103.11	1.10	0.86	1.00	0.02
6.38	94.07	0.98	1.70	1.00	0.03	6.40	89.52	0.93	3.38	1.00	0.07
6.42	100.78	1.07	1.00	1.00	0.02	6.44	97.57	1.02	1.25	1.00	0.02
6.46	100.20	1.06	1.04	1.00	0.02	6.48	101.80	1.08	0.94	1.00	0.02
6.50	100.99	1.07	0.99	1.00	0.02	6.52	94.76	0.99	1.61	1.00	0.03
6.54	91.04	0.95	2.58	1.00	0.05	6.56	87.23	0.91	3.68	1.00	0.07
6.58	85.34	0.89	3.77	1.00	0.08	6.60	82.77	0.87	3.88	1.00	0.08
6.62	80.90	0.85	3.97	1.00	0.08	6.64	80.14	0.84	4.00	1.00	0.08
6.66	79.26	0.84	4.05	1.00	0.08	6.68	77.15	0.82	4.15	1.00	0.08
6.70	77.06	0.82	4.16	1.00	0.08	6.72	76.96	0.82	4.16	1.00	0.08
6.74	76.90	0.82	4.16	1.00	0.08	6.76	76.72	0.82	4.17	1.00	0.08
6.78	77.32	0.82	4.14	1.00	0.08	6.80	78.70	0.83	4.07	1.00	0.08
6.82	79.01	0.83	4.06	1.00	0.08	6.84	78.89	0.83	4.06	1.00	0.08
6.86	80.77	0.85	3.97	1.00	0.08	6.88	81.52	0.85	3.94	1.00	0.08
6.90	82.03	0.86	3.91	1.00	0.08	6.92	83.20	0.87	3.86	1.00	0.08
6.94	82.61	0.86	3.89	1.00	0.08	6.96	84.01	0.87	3.82	1.00	0.08
6.98	83.24	0.87	3.86	1.00	0.08	7.00	82.41	0.86	3.90	1.00	0.08
7.02	81.58	0.85	3.93	1.00	0.08	7.04	81.02	0.85	3.96	1.00	0.08
7.06	79.96	0.84	4.01	1.00	0.08	7.08	77.81	0.82	4.12	1.00	0.08
7.10	75.79	0.80	4.22	1.00	0.08	7.12	74.63	0.80	4.28	1.00	0.09
7.14	74.96	0.80	4.27	1.00	0.09	7.16	76.23	0.81	4.20	1.00	0.08
7.18	79.54	0.83	4.03	1.00	0.08	7.20	81.94	0.85	3.92	1.00	0.08
7.22	83.02	0.86	3.87	1.00	0.08	7.24	83.08	0.86	3.87	1.00	0.08
7.26	82.43	0.86	3.89	1.00	0.08	7.28	80.81	0.84	3.97	1.00	0.08
7.30	79.26	0.83	4.05	1.00	0.08	7.32	76.73	0.81	4.17	1.00	0.08
7.34	74.28	0.79	4.30	1.00	0.09	7.36	72.56	0.78	4.40	1.00	0.09
7.38	71.14	0.77	4.48	1.00	0.09	7.40	69.75	0.76	4.56	1.00	0.09
7.42	68.96	0.75	4.61	1.00	0.09	7.44	70.36	0.76	4.53	1.00	0.09
7.46	72.48	0.78	4.40	1.00	0.09	7.48	74.45	0.79	4.29	1.00	0.09
7.50	79.05	0.83	4.06	1.00	0.08	7.52	83.23	0.86	3.86	1.00	0.08
7.54	85.64	0.88	3.75	1.00	0.08	7.56	85.63	0.88	3.75	1.00	0.08
7.58	85.23	0.88	3.77	1.00	0.08	7.60	86.44	0.89	3.72	1.00	0.07
7.62	84.97	0.88	3.78	1.00	0.08	7.64	84.24	0.87	3.81	1.00	0.08
7.66	84.15	0.87	3.82	1.00	0.08	7.68	84.06	0.87	3.82	1.00	0.08
7.70	83.97	0.87	3.83	1.00	0.08	7.72	83.94	0.87	3.83	1.00	0.08
7.74	83.93	0.87	3.83	1.00	0.08	7.76	83.83	0.87	3.83	1.00	0.08
7.78	84.25	0.87	3.81	1.00	0.08	7.80	84.69	0.88	3.79	1.00	0.08
7.82	85.61	0.88	3.75	1.00	0.08	7.84	87.68	0.90	3.67	1.00	0.07
7.86	89.41	0.92	3.60	1.00	0.07	7.88	91.93	0.95	2.53	1.00	0.05
7.90	94.71	0.98	1.76	1.00	0.04	7.92	94.85	0.98	1.73	1.00	0.03
7.94	95.47	0.99	1.63	1.00	0.03	7.96	95.37	0.98	1.64	1.00	0.03
7.98	95.53	0.99	1.62	1.00	0.03	8.00	95.50	0.99	1.62	1.00	0.03
8.02	95.75	0.99	1.58	1.00	0.03	8.04	95.83	0.99	1.57	1.00	0.03
8.06	95.92	0.99	1.55	1.00	0.03	8.08	97.69	1.01	1.33	1.00	0.03
8.10	98.43	1.02	1.25	1.00	0.03	8.12	99.74	1.04	1.14	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.14	100.63	1.05	1.07	1.00	0.02	8.16	101.86	1.07	0.99	1.00	0.02
8.18	103.90	1.10	0.87	1.00	0.02	8.20	105.56	1.12	0.79	1.00	0.02
8.22	107.13	1.15	0.72	1.00	0.01	8.24	107.30	1.15	0.72	1.00	0.01
8.26	107.49	1.15	0.71	1.00	0.01	8.28	108.25	1.16	0.68	1.00	0.01
8.30	109.49	1.19	0.64	1.00	0.01	8.32	111.09	1.21	0.58	1.00	0.01
8.34	112.18	1.23	0.55	1.00	0.01	8.36	113.63	1.26	0.51	1.00	0.01
8.38	114.41	1.28	0.49	1.00	0.01	8.40	115.71	1.30	0.45	1.00	0.01
8.42	116.43	1.32	0.43	1.00	0.01	8.44	116.34	1.32	0.43	1.00	0.01
8.46	115.28	1.30	0.46	1.00	0.01	8.48	115.34	1.30	0.46	1.00	0.01
8.50	115.03	1.29	0.47	1.00	0.01	8.52	113.70	1.26	0.50	1.00	0.01
8.54	112.54	1.24	0.54	1.00	0.01	8.56	111.48	1.22	0.57	1.00	0.01
8.58	111.16	1.22	0.58	1.00	0.01	8.60	111.01	1.22	0.58	1.00	0.01
8.62	110.90	1.21	0.58	1.00	0.01	8.64	111.02	1.22	0.58	1.00	0.01
8.66	111.14	1.22	0.58	1.00	0.01	8.68	111.54	1.23	0.56	1.00	0.01
8.70	111.33	1.22	0.57	1.00	0.01	8.72	111.35	1.22	0.57	1.00	0.01
8.74	111.38	1.22	0.57	1.00	0.01	8.76	111.74	1.23	0.56	1.00	0.01
8.78	112.81	1.25	0.52	1.00	0.01	8.80	115.58	1.31	0.45	1.00	0.01
8.82	117.19	1.34	0.41	1.00	0.01	8.84	119.21	1.39	0.36	1.00	0.01
8.86	121.37	1.44	0.31	1.00	0.01	8.88	125.20	1.54	0.23	1.00	0.00
8.90	127.79	1.62	0.18	1.00	0.00	8.92	131.28	1.74	0.11	1.00	0.00
8.94	133.89	1.84	0.07	1.00	0.00	8.96	134.56	1.86	0.06	1.00	0.00
8.98	135.51	1.90	0.04	1.00	0.00	9.00	136.51	1.95	0.02	1.00	0.00
9.02	136.16	1.93	0.03	1.00	0.00	9.04	130.17	1.70	0.13	1.00	0.00
9.06	130.00	1.69	0.14	1.00	0.00	9.08	126.45	1.58	0.20	1.00	0.00
9.10	122.70	1.48	0.28	1.00	0.01	9.12	117.51	1.35	0.40	1.00	0.01
9.14	109.76	1.20	0.61	1.00	0.01	9.16	103.87	1.11	0.84	1.00	0.02
9.18	100.62	1.06	1.02	1.00	0.02	9.20	94.71	0.99	1.62	1.00	0.03
9.22	89.71	0.93	3.34	1.00	0.07	9.24	84.30	0.88	3.81	1.00	0.08
9.26	82.60	0.87	3.89	1.00	0.08	9.28	81.90	0.86	3.92	1.00	0.08
9.30	81.75	0.86	3.93	1.00	0.08	9.32	80.73	0.85	3.97	1.00	0.08
9.34	80.05	0.85	4.01	1.00	0.08	9.36	78.92	0.84	4.06	1.00	0.08
9.38	77.55	0.83	4.13	1.00	0.08	9.40	76.17	0.81	4.20	1.00	0.08
9.42	75.11	0.81	4.26	1.00	0.09	9.44	74.73	0.80	4.28	1.00	0.09
9.46	74.65	0.80	4.28	1.00	0.09	9.48	74.51	0.80	4.29	1.00	0.09
9.50	74.45	0.80	4.29	1.00	0.09	9.52	75.29	0.81	4.25	1.00	0.08
9.54	76.23	0.82	4.20	1.00	0.08	9.56	77.41	0.83	4.14	1.00	0.08
9.58	78.62	0.84	4.08	1.00	0.08	9.60	78.23	0.83	4.10	1.00	0.08
9.62	77.82	0.83	4.12	1.00	0.08	9.64	76.44	0.82	4.19	1.00	0.08
9.66	75.91	0.82	4.22	1.00	0.08	9.68	75.18	0.81	4.25	1.00	0.09
9.70	75.02	0.81	4.26	1.00	0.09	9.72	74.70	0.81	4.28	1.00	0.09
9.74	74.50	0.81	4.29	1.00	0.09	9.76	73.83	0.80	4.33	1.00	0.09
9.78	73.73	0.80	4.33	1.00	0.09	9.80	73.70	0.80	4.33	1.00	0.09
9.82	73.92	0.80	4.32	1.00	0.09	9.84	74.34	0.80	4.30	1.00	0.09
9.86	73.85	0.80	4.33	1.00	0.09	9.88	73.60	0.80	4.34	1.00	0.09
9.90	73.46	0.80	4.35	1.00	0.09	9.92	73.66	0.80	4.34	1.00	0.09
9.94	73.68	0.80	4.34	1.00	0.09	9.96	73.68	0.80	4.34	1.00	0.09
9.98	73.68	0.80	4.34	1.00	0.09	10.00	73.69	0.80	4.34	1.00	0.09
10.02	73.76	0.80	4.33	1.00	0.09	10.04	75.05	0.81	4.26	1.00	0.09
10.06	73.61	0.80	4.34	1.00	0.09	10.08	73.68	0.80	4.34	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.10	75.14	0.81	4.26	1.00	0.09	10.12	77.10	0.83	4.15	1.00	0.08
10.14	78.44	0.84	4.09	1.00	0.08	10.16	79.81	0.85	4.02	1.00	0.08
10.18	82.09	0.87	3.91	1.00	0.08	10.20	84.10	0.89	3.82	1.00	0.08
10.22	84.91	0.90	3.78	1.00	0.08	10.24	85.74	0.91	3.75	1.00	0.07
10.26	86.40	0.91	3.72	1.00	0.07	10.28	87.06	0.92	3.69	1.00	0.07
10.30	87.48	0.92	3.67	1.00	0.07	10.32	87.45	0.92	3.68	1.00	0.07
10.34	87.06	0.92	3.69	1.00	0.07	10.36	86.69	0.92	3.71	1.00	0.07
10.38	86.44	0.91	3.72	1.00	0.07	10.40	86.36	0.91	3.72	1.00	0.07
10.42	86.33	0.91	3.72	1.00	0.07	10.44	86.29	0.91	3.72	1.00	0.07
10.46	86.38	0.92	3.72	1.00	0.07	10.48	86.84	0.92	3.70	1.00	0.07
10.50	87.79	0.93	3.66	1.00	0.07	10.52	89.14	0.94	2.94	1.00	0.06
10.54	91.35	0.97	2.06	1.00	0.04	10.56	93.57	0.99	1.59	1.00	0.03
10.58	94.42	1.00	1.46	1.00	0.03	10.60	95.55	1.02	1.32	1.00	0.03
10.62	96.38	1.03	1.24	1.00	0.02	10.64	97.64	1.04	1.12	1.00	0.02
10.66	100.62	1.08	0.92	1.00	0.02	10.68	103.49	1.12	0.78	1.00	0.02
10.70	106.44	1.17	0.66	1.00	0.01	10.72	109.46	1.22	0.57	1.00	0.01
10.74	111.98	1.27	0.49	1.00	0.01	10.76	114.19	1.31	0.44	1.00	0.01
10.78	115.91	1.35	0.40	1.00	0.01	10.80	117.72	1.39	0.35	1.00	0.01
10.82	118.94	1.42	0.33	1.00	0.01	10.84	119.45	1.43	0.32	1.00	0.01
10.86	120.26	1.45	0.30	1.00	0.01	10.88	120.75	1.46	0.29	1.00	0.01
10.90	121.49	1.48	0.27	1.00	0.01	10.92	122.86	1.52	0.24	1.00	0.00
10.94	124.29	1.56	0.22	1.00	0.00	10.96	126.15	1.62	0.18	1.00	0.00
10.98	127.97	1.67	0.15	1.00	0.00	11.00	129.22	1.72	0.12	1.00	0.00
11.02	131.27	1.79	0.09	1.00	0.00	11.04	129.81	1.74	0.11	1.00	0.00
11.06	130.09	1.75	0.11	1.00	0.00	11.08	129.92	1.74	0.11	1.00	0.00
11.10	129.10	1.72	0.12	1.00	0.00	11.12	126.50	1.63	0.17	1.00	0.00
11.14	124.48	1.57	0.21	1.00	0.00	11.16	124.30	1.57	0.21	1.00	0.00
11.18	124.18	1.57	0.21	1.00	0.00	11.20	124.08	1.56	0.21	1.00	0.00
11.22	125.53	1.61	0.19	1.00	0.00	11.24	126.97	1.65	0.16	1.00	0.00
11.26	130.76	1.78	0.09	1.00	0.00	11.28	134.84	1.94	0.02	1.00	0.00
11.30	139.87	2.00	0.00	1.00	0.00	11.32	145.46	2.00	0.00	1.00	0.00
11.34	152.02	2.00	0.00	1.00	0.00	11.36	158.26	2.00	0.00	1.00	0.00
11.38	164.03	2.00	0.00	1.00	0.00	11.40	168.95	2.00	0.00	1.00	0.00
11.42	172.89	2.00	0.00	1.00	0.00	11.44	177.05	2.00	0.00	1.00	0.00
11.46	179.71	2.00	0.00	1.00	0.00	11.48	181.09	2.00	0.00	1.00	0.00
11.50	180.97	2.00	0.00	1.00	0.00	11.52	179.20	2.00	0.00	1.00	0.00
11.54	176.91	2.00	0.00	1.00	0.00	11.56	173.96	2.00	0.00	1.00	0.00
11.58	172.02	2.00	0.00	1.00	0.00	11.60	167.88	2.00	0.00	1.00	0.00
11.62	167.12	2.00	0.00	1.00	0.00	11.64	166.60	2.00	0.00	1.00	0.00
11.66	166.45	2.00	0.00	1.00	0.00	11.68	164.73	2.00	0.00	1.00	0.00
11.70	162.56	2.00	0.00	1.00	0.00	11.72	160.63	2.00	0.00	1.00	0.00
11.74	158.33	2.00	0.00	1.00	0.00	11.76	156.22	2.00	0.00	1.00	0.00
11.78	156.09	2.00	0.00	1.00	0.00	11.80	155.98	2.00	0.00	1.00	0.00
11.82	155.88	2.00	0.00	1.00	0.00	11.84	157.47	2.00	0.00	1.00	0.00
11.86	154.71	2.00	0.00	1.00	0.00	11.88	148.45	2.00	0.00	1.00	0.00
11.90	140.11	2.00	0.00	1.00	0.00	11.92	130.89	1.82	0.08	1.00	0.00
11.94	124.27	1.60	0.19	1.00	0.00	11.96	117.66	1.43	0.32	1.00	0.01
11.98	116.88	1.41	0.33	1.00	0.01	12.00	116.79	1.41	0.33	1.00	0.01
12.02	116.73	1.41	0.33	1.00	0.01	12.04	116.68	1.41	0.34	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.06	118.39	1.45	0.30	1.00	0.01	12.08	120.08	1.49	0.27	1.00	0.01
12.10	121.11	1.52	0.25	1.00	0.00	12.12	121.23	1.52	0.24	1.00	0.00
12.14	120.80	1.51	0.25	1.00	0.01	12.16	119.47	1.48	0.28	1.00	0.01
12.18	117.96	1.44	0.30	1.00	0.01	12.20	115.94	1.39	0.34	1.00	0.01
12.22	113.54	1.34	0.40	1.00	0.01	12.24	110.04	1.28	0.48	1.00	0.01
12.26	107.26	1.23	0.55	1.00	0.01	12.28	106.19	1.21	0.58	1.00	0.01
12.30	105.38	1.20	0.60	1.00	0.01	12.32	103.10	1.16	0.67	1.00	0.01
12.34	98.96	1.10	0.84	1.00	0.02	12.36	92.29	1.02	1.32	1.00	0.03
12.38	87.43	0.97	2.29	1.00	0.05	12.40	85.87	0.95	3.04	1.00	0.06
12.42	85.46	0.95	3.32	1.00	0.07	12.44	85.37	0.95	3.36	1.00	0.07
12.46	85.22	0.95	3.46	1.00	0.07	12.48	85.10	0.95	3.54	1.00	0.07
12.50	85.21	0.95	3.41	1.00	0.07	12.52	85.28	0.95	3.33	1.00	0.07
12.54	85.70	0.95	3.00	1.00	0.06	12.56	86.01	0.96	2.79	1.00	0.06
12.58	86.10	0.96	2.72	1.00	0.05	12.60	85.83	0.96	2.85	1.00	0.06
12.62	85.76	0.96	2.87	1.00	0.06	12.64	85.70	0.96	2.89	1.00	0.06
12.66	85.65	0.96	2.90	1.00	0.06	12.68	85.67	0.96	2.86	1.00	0.06
12.70	86.66	0.97	2.37	1.00	0.05	12.72	89.20	0.99	1.67	1.00	0.03
12.74	91.07	1.01	1.38	1.00	0.03	12.76	92.15	1.03	1.25	1.00	0.02
12.78	93.30	1.04	1.14	1.00	0.02	12.80	95.80	1.07	0.96	1.00	0.02
12.82	100.41	1.14	0.74	1.00	0.01	12.84	103.72	1.19	0.62	1.00	0.01
12.86	107.40	1.25	0.51	1.00	0.01	12.88	108.80	1.27	0.48	1.00	0.01
12.90	107.84	1.26	0.50	1.00	0.01	12.92	104.15	1.19	0.60	1.00	0.01
12.94	98.85	1.12	0.79	1.00	0.02	12.96	94.69	1.06	1.01	1.00	0.02
12.98	88.44	0.99	1.72	1.00	0.03	13.00	82.94	0.94	3.87	1.00	0.08
13.01	94.81	1.07	0.99	1.00	0.02	13.03	94.47	1.06	1.01	1.00	0.02
13.05	95.67	1.08	0.93	1.00	0.02	13.07	96.04	1.08	0.91	1.00	0.02
13.09	95.72	1.08	0.93	1.00	0.02	13.11	95.19	1.07	0.95	1.00	0.02
13.13	95.28	1.08	0.95	1.00	0.02	13.15	94.96	1.07	0.96	1.00	0.02
13.17	93.20	1.05	1.08	1.00	0.02	13.19	92.00	1.04	1.18	1.00	0.02
13.21	92.17	1.04	1.16	1.00	0.02	13.23	90.24	1.02	1.35	1.00	0.03
13.25	89.01	1.00	1.51	1.00	0.03	13.27	88.23	1.00	1.64	1.00	0.03
13.29	88.43	1.00	1.59	1.00	0.03	13.31	87.81	0.99	1.70	1.00	0.03
13.33	88.13	1.00	1.63	1.00	0.03	13.35	85.62	0.97	2.28	1.00	0.05
13.37	86.34	0.98	2.02	1.00	0.04	13.39	86.09	0.98	2.09	1.00	0.04
13.41	86.03	0.98	2.09	1.00	0.04	13.43	86.02	0.98	2.08	1.00	0.04
13.45	86.01	0.98	2.07	1.00	0.04	13.47	85.00	0.97	2.43	1.00	0.05
13.49	82.36	0.94	3.90	1.00	0.08	13.51	83.90	0.96	2.97	1.00	0.06
13.53	89.90	1.02	1.31	1.00	0.03	13.55	93.93	1.07	0.97	1.00	0.02
13.57	96.01	1.10	0.85	1.00	0.02	13.59	96.81	1.11	0.81	1.00	0.02
13.61	98.64	1.13	0.73	1.00	0.01	13.63	100.30	1.16	0.67	1.00	0.01
13.65	105.10	1.23	0.53	1.00	0.01	13.67	110.01	1.32	0.41	1.00	0.01
13.69	116.62	1.46	0.28	1.00	0.01	13.71	120.46	1.56	0.21	1.00	0.00
13.73	122.95	1.63	0.17	1.00	0.00	13.75	121.36	1.59	0.20	1.00	0.00
13.77	117.37	1.48	0.26	1.00	0.01	13.79	110.79	1.34	0.39	1.00	0.01
13.81	101.58	1.18	0.62	1.00	0.01	13.83	95.56	1.10	0.84	1.00	0.02
13.85	87.98	1.01	1.47	1.00	0.03	13.87	89.08	1.02	1.32	1.00	0.03
13.89	84.38	0.97	2.31	1.00	0.05	13.91	83.00	0.96	3.01	1.00	0.06
13.93	82.27	0.95	3.59	1.00	0.07	13.95	78.13	0.92	4.10	1.00	0.08
13.97	83.20	0.96	2.81	1.00	0.06	13.99	89.51	1.03	1.24	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.01	91.97	1.06	1.03	1.00	0.02	14.03	85.85	0.99	1.78	1.00	0.04
14.05	84.70	0.98	2.08	1.00	0.04	14.07	84.62	0.98	2.10	1.00	0.04
14.09	84.57	0.98	2.10	1.00	0.04	14.11	84.61	0.98	2.08	1.00	0.04
14.13	84.81	0.98	2.00	1.00	0.04	14.15	84.43	0.98	2.11	1.00	0.04
14.17	83.98	0.98	2.25	1.00	0.04	14.19	84.43	0.98	2.08	1.00	0.04
14.21	85.02	0.99	1.90	1.00	0.04	14.23	82.72	0.96	2.80	1.00	0.06
14.25	79.17	0.93	4.05	1.00	0.08	14.27	74.94	0.89	4.27	1.00	0.09
14.29	72.17	0.87	4.42	1.00	0.09	14.31	68.86	0.85	4.62	1.00	0.09
14.33	68.95	0.85	4.61	1.00	0.09	14.35	68.62	0.85	4.63	1.00	0.09
14.37	69.73	0.85	4.57	1.00	0.09	14.39	74.56	0.89	4.29	1.00	0.09
14.41	82.87	0.97	2.53	1.00	0.05	14.43	93.01	1.08	0.90	1.00	0.02
14.45	100.63	1.19	0.60	1.00	0.01	14.47	107.89	1.31	0.42	1.00	0.01
14.49	109.52	1.34	0.39	1.00	0.01	14.51	109.96	1.35	0.38	1.00	0.01
14.53	109.09	1.33	0.40	1.00	0.01	14.55	108.63	1.32	0.41	1.00	0.01
14.57	108.59	1.32	0.41	1.00	0.01	14.59	108.55	1.32	0.41	1.00	0.01
14.61	108.64	1.33	0.40	1.00	0.01	14.63	115.43	1.47	0.27	1.00	0.01
14.65	123.46	1.69	0.14	1.00	0.00	14.67	129.10	1.88	0.05	1.00	0.00
14.69	132.99	2.00	0.00	1.00	0.00	14.71	135.97	2.00	0.00	1.00	0.00
14.73	136.40	2.00	0.00	1.00	0.00	14.75	134.43	2.00	0.00	1.00	0.00
14.77	134.17	2.00	0.00	1.00	0.00	14.79	134.10	2.00	0.00	1.00	0.00
14.81	134.02	2.00	0.00	1.00	0.00	14.83	134.02	2.00	0.00	1.00	0.00
14.85	134.53	2.00	0.00	1.00	0.00	14.87	135.37	2.00	0.00	1.00	0.00
14.89	134.81	2.00	0.00	1.00	0.00	14.91	134.81	2.00	0.00	1.00	0.00
14.93	135.90	2.00	0.00	1.00	0.00	14.95	135.98	2.00	0.00	1.00	0.00
14.97	135.78	2.00	0.00	1.00	0.00	14.99	135.74	2.00	0.00	1.00	0.00
15.01	135.69	2.00	0.00	1.00	0.00	15.03	135.71	2.00	0.00	1.00	0.00
15.05	135.97	2.00	0.00	1.00	0.00	15.07	135.69	2.00	0.00	1.00	0.00
15.09	137.39	2.00	0.00	1.00	0.00	15.11	138.30	2.00	0.00	1.00	0.00
15.13	140.31	2.00	0.00	1.00	0.00	15.15	141.26	2.00	0.00	1.00	0.00
15.17	140.57	2.00	0.00	1.00	0.00	15.19	138.97	2.00	0.00	1.00	0.00
15.21	136.91	2.00	0.00	1.00	0.00	15.23	134.01	2.00	0.00	1.00	0.00
15.25	132.31	2.00	0.00	1.00	0.00	15.27	125.85	1.79	0.08	1.00	0.00
15.29	117.84	1.56	0.21	1.00	0.00	15.31	109.99	1.38	0.34	1.00	0.01
15.33	106.78	1.32	0.41	1.00	0.01	15.35	105.88	1.30	0.42	1.00	0.01
15.37	103.02	1.26	0.48	1.00	0.01	15.39	98.41	1.19	0.59	1.00	0.01
15.41	91.82	1.10	0.83	1.00	0.02	15.43	87.51	1.05	1.09	1.00	0.02
15.45	83.68	1.01	1.55	1.00	0.03	15.47	80.53	0.98	2.46	1.00	0.05
15.49	78.61	0.96	3.96	1.00	0.08	15.51	77.39	0.95	4.14	1.00	0.08
15.53	75.50	0.93	4.24	1.00	0.08	15.55	74.69	0.92	4.28	1.00	0.09
15.57	74.30	0.92	4.30	1.00	0.09	15.59	74.29	0.92	4.30	1.00	0.09
15.61	74.16	0.92	4.31	1.00	0.09	15.63	74.23	0.92	4.31	1.00	0.09
15.65	78.35	0.96	3.83	1.00	0.08	15.67	81.34	0.99	1.97	1.00	0.04
15.69	80.63	0.98	2.19	1.00	0.04	15.71	80.48	0.98	2.23	1.00	0.04
15.73	80.39	0.98	2.25	1.00	0.04	15.75	80.55	0.98	2.17	1.00	0.04
15.77	80.72	0.99	2.09	1.00	0.04	15.79	81.67	1.00	1.80	1.00	0.04
15.81	86.06	1.04	1.13	1.00	0.02	15.83	94.00	1.14	0.69	1.00	0.01
15.85	99.88	1.22	0.53	1.00	0.01	15.87	115.68	1.53	0.23	1.00	0.00
15.89	110.27	1.41	0.32	1.00	0.01	15.91	116.19	1.54	0.22	1.00	0.00
15.93	114.73	1.51	0.24	1.00	0.00	15.95	110.41	1.41	0.31	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.97	104.69	1.31	0.42	1.00	0.01	15.99	103.20	1.28	0.44	1.00	0.01
16.01	98.49	1.21	0.55	1.00	0.01	16.03	98.13	1.20	0.55	1.00	0.01
16.05	94.90	1.16	0.64	1.00	0.01	16.07	94.01	1.15	0.67	1.00	0.01
16.09	93.66	1.14	0.68	1.00	0.01	16.11	91.59	1.12	0.75	1.00	0.01
16.13	88.05	1.08	0.92	1.00	0.02	16.15	83.68	1.03	1.28	1.00	0.03
16.17	82.52	1.02	1.43	1.00	0.03	16.19	82.23	1.01	1.47	1.00	0.03
16.21	82.55	1.02	1.41	1.00	0.03	16.23	81.19	1.00	1.64	1.00	0.03
16.25	80.69	1.00	1.74	1.00	0.03	16.27	82.66	1.02	1.37	1.00	0.03
16.29	83.04	1.03	1.31	1.00	0.03	16.31	77.24	0.97	3.30	1.00	0.07
16.33	74.25	0.94	4.30	1.00	0.09	16.35	73.94	0.94	4.32	1.00	0.09
16.37	74.77	0.95	4.28	1.00	0.09	16.39	73.30	0.93	4.36	1.00	0.09
16.41	73.57	0.94	4.34	1.00	0.09	16.43	77.92	0.98	2.60	1.00	0.05
16.45	84.43	1.04	1.11	1.00	0.02	16.47	87.66	1.08	0.88	1.00	0.02
16.49	90.75	1.12	0.74	1.00	0.01	16.51	91.19	1.12	0.72	1.00	0.01
16.53	92.05	1.14	0.69	1.00	0.01	16.55	91.50	1.13	0.70	1.00	0.01
16.57	90.49	1.12	0.74	1.00	0.01	16.59	89.47	1.11	0.78	1.00	0.02
16.61	88.62	1.10	0.81	1.00	0.02	16.62	86.30	1.07	0.93	1.00	0.02
16.64	84.22	1.05	1.08	1.00	0.02	16.66	80.45	1.01	1.56	1.00	0.03
16.68	77.34	0.98	2.57	1.00	0.05	16.70	73.22	0.94	4.36	1.00	0.09
16.72	71.93	0.93	4.44	1.00	0.09	16.74	72.83	0.94	4.38	1.00	0.09
16.76	74.32	0.95	4.30	1.00	0.09	16.78	78.27	0.99	2.04	1.00	0.04
16.80	83.92	1.05	1.07	1.00	0.02	16.82	85.71	1.07	0.93	1.00	0.02
16.84	88.69	1.10	0.78	1.00	0.02	16.86	87.17	1.09	0.85	1.00	0.02
16.88	85.01	1.06	0.97	1.00	0.02	16.90	82.35	1.04	1.19	1.00	0.02
16.92	77.96	0.99	2.02	1.00	0.04	16.94	72.73	0.94	4.39	1.00	0.09
16.96	72.40	0.94	4.41	1.00	0.09	16.98	72.51	0.94	4.40	1.00	0.09
17.00	79.83	1.01	1.50	1.00	0.03	17.02	81.31	1.03	1.27	1.00	0.03
17.04	81.84	1.03	1.20	1.00	0.02	17.06	83.05	1.05	1.08	1.00	0.02
17.08	88.02	1.10	0.77	1.00	0.02	17.10	85.95	1.08	0.87	1.00	0.02
17.12	73.83	0.96	4.33	1.00	0.09	17.14	82.11	1.04	1.14	1.00	0.02
17.16	86.93	1.09	0.81	1.00	0.02	17.18	90.23	1.13	0.68	1.00	0.01
17.20	93.73	1.18	0.58	1.00	0.01	17.22	97.32	1.23	0.49	1.00	0.01
17.24	104.23	1.35	0.36	1.00	0.01	17.26	112.68	1.52	0.23	1.00	0.00
17.28	119.28	1.69	0.13	1.00	0.00	17.30	129.72	2.00	0.00	1.00	0.00
17.32	134.95	2.00	0.00	1.00	0.00	17.34	139.76	2.00	0.00	1.00	0.00
17.36	143.00	2.00	0.00	1.00	0.00	17.38	139.96	2.00	0.00	1.00	0.00
17.40	127.79	1.98	0.01	1.00	0.00	17.42	112.03	1.51	0.23	1.00	0.00
17.44	90.56	1.15	0.64	1.00	0.01	17.46	77.91	1.01	1.63	1.00	0.03
17.48	84.83	1.08	0.87	1.00	0.02	17.50	89.52	1.14	0.67	1.00	0.01
17.52	90.29	1.15	0.64	1.00	0.01	17.54	89.17	1.13	0.68	1.00	0.01
17.56	85.35	1.09	0.83	1.00	0.02	17.58	82.27	1.05	1.01	1.00	0.02
17.60	78.45	1.02	1.45	1.00	0.03	17.62	16.20	2.00	0.00	1.00	0.00
17.64	12.78	2.00	0.00	1.00	0.00	17.66	11.94	2.00	0.00	1.00	0.00
17.68	11.58	2.00	0.00	1.00	0.00	17.70	11.72	2.00	0.00	1.00	0.00
17.72	11.87	2.00	0.00	1.00	0.00	17.74	13.43	2.00	0.00	1.00	0.00
17.76	16.63	2.00	0.00	1.00	0.00	17.78	86.79	1.11	0.73	1.00	0.01
17.80	91.03	1.16	0.60	1.00	0.01	17.82	91.78	1.17	0.58	1.00	0.01
17.84	89.40	1.14	0.64	1.00	0.01	17.86	86.50	1.11	0.74	1.00	0.01
17.88	83.46	1.08	0.88	1.00	0.02	17.90	78.48	1.02	1.32	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.92	75.58	1.00	1.94	1.00	0.04	17.94	72.80	0.97	3.63	1.00	0.07
17.96	77.62	1.02	1.43	1.00	0.03	17.98	84.33	1.09	0.81	1.00	0.02
18.00	87.90	1.13	0.67	1.00	0.01	18.02	94.98	1.23	0.49	1.00	0.01
18.04	99.62	1.30	0.40	1.00	0.01	18.06	104.30	1.38	0.33	1.00	0.01
18.08	104.99	1.39	0.32	1.00	0.01	18.10	102.93	1.35	0.35	1.00	0.01
18.12	95.06	1.23	0.48	1.00	0.01	18.14	102.02	1.34	0.36	1.00	0.01
18.16	108.48	1.46	0.26	1.00	0.01	18.18	110.43	1.51	0.23	1.00	0.00
18.20	112.59	1.56	0.20	1.00	0.00	18.22	105.76	1.41	0.30	1.00	0.01
18.24	93.07	1.21	0.51	1.00	0.01	18.26	96.53	1.26	0.45	1.00	0.01
18.28	105.46	1.41	0.30	1.00	0.01	18.30	111.28	1.53	0.22	1.00	0.00
18.32	113.75	1.59	0.18	1.00	0.00	18.34	112.05	1.55	0.20	1.00	0.00
18.36	104.30	1.39	0.31	1.00	0.01	18.38	98.49	1.29	0.40	1.00	0.01
18.40	91.45	1.19	0.54	1.00	0.01	18.42	89.05	1.16	0.59	1.00	0.01
18.44	89.09	1.16	0.59	1.00	0.01	18.46	89.21	1.16	0.58	1.00	0.01
18.48	91.84	1.20	0.52	1.00	0.01	18.50	90.06	1.18	0.56	1.00	0.01
18.52	89.86	1.17	0.56	1.00	0.01	18.54	94.08	1.23	0.47	1.00	0.01
18.56	95.73	1.26	0.44	1.00	0.01	18.58	97.27	1.28	0.41	1.00	0.01
18.60	107.68	1.47	0.26	1.00	0.01	18.62	117.60	1.71	0.12	1.00	0.00
18.64	120.50	1.79	0.08	1.00	0.00	18.66	121.81	1.83	0.06	1.00	0.00
18.68	125.37	1.96	0.01	1.00	0.00	18.70	134.42	2.00	0.00	1.00	0.00
18.72	144.88	2.00	0.00	1.00	0.00	18.74	157.14	2.00	0.00	1.00	0.00
18.76	167.05	2.00	0.00	1.00	0.00						

Total estimated settlement: 24.36

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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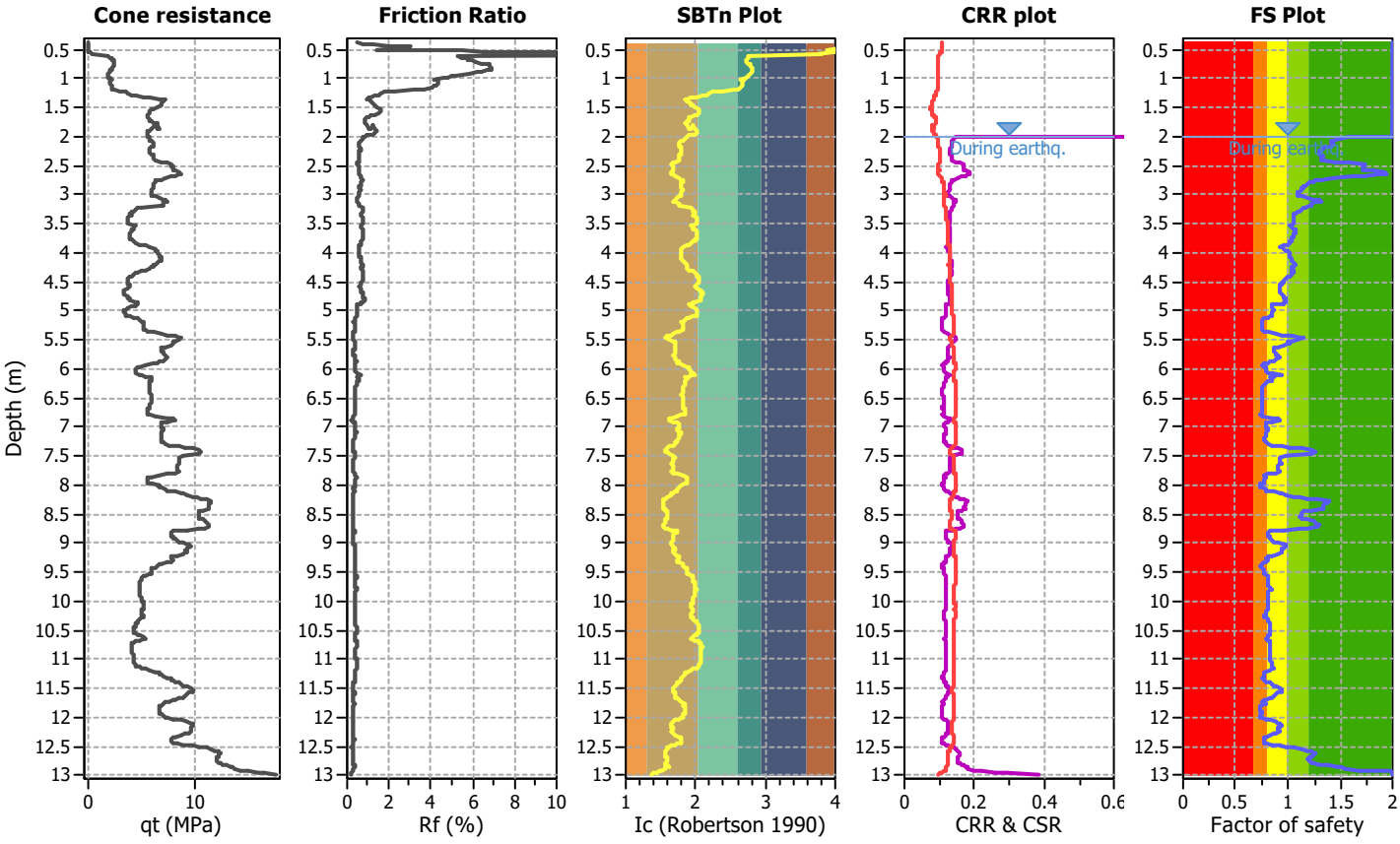
LIQUEFACTION ANALYSIS REPORT

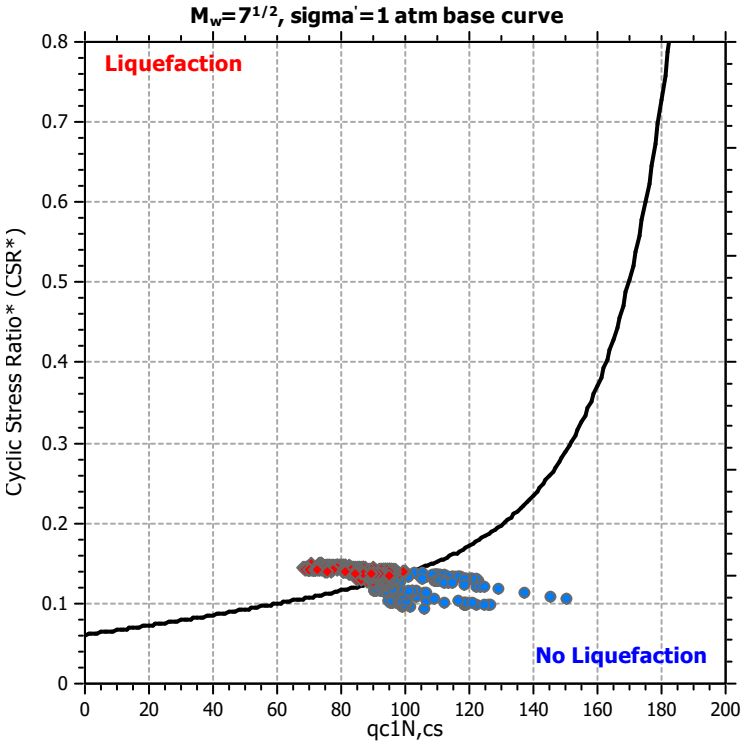
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

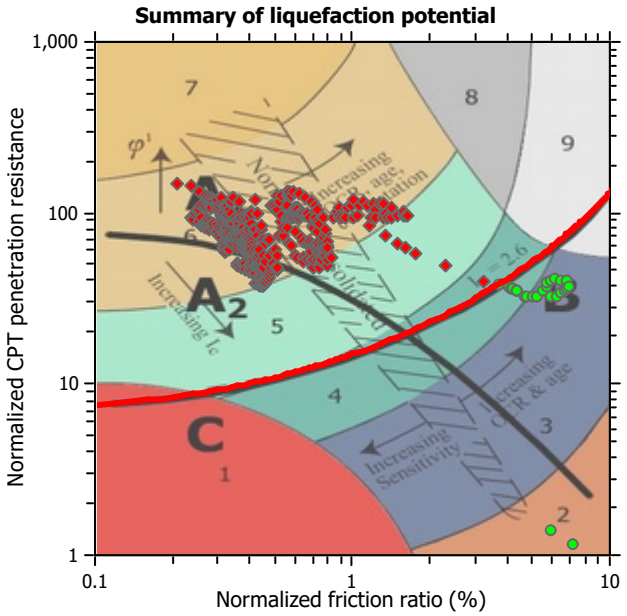
CPT file : P309 - cptu15

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

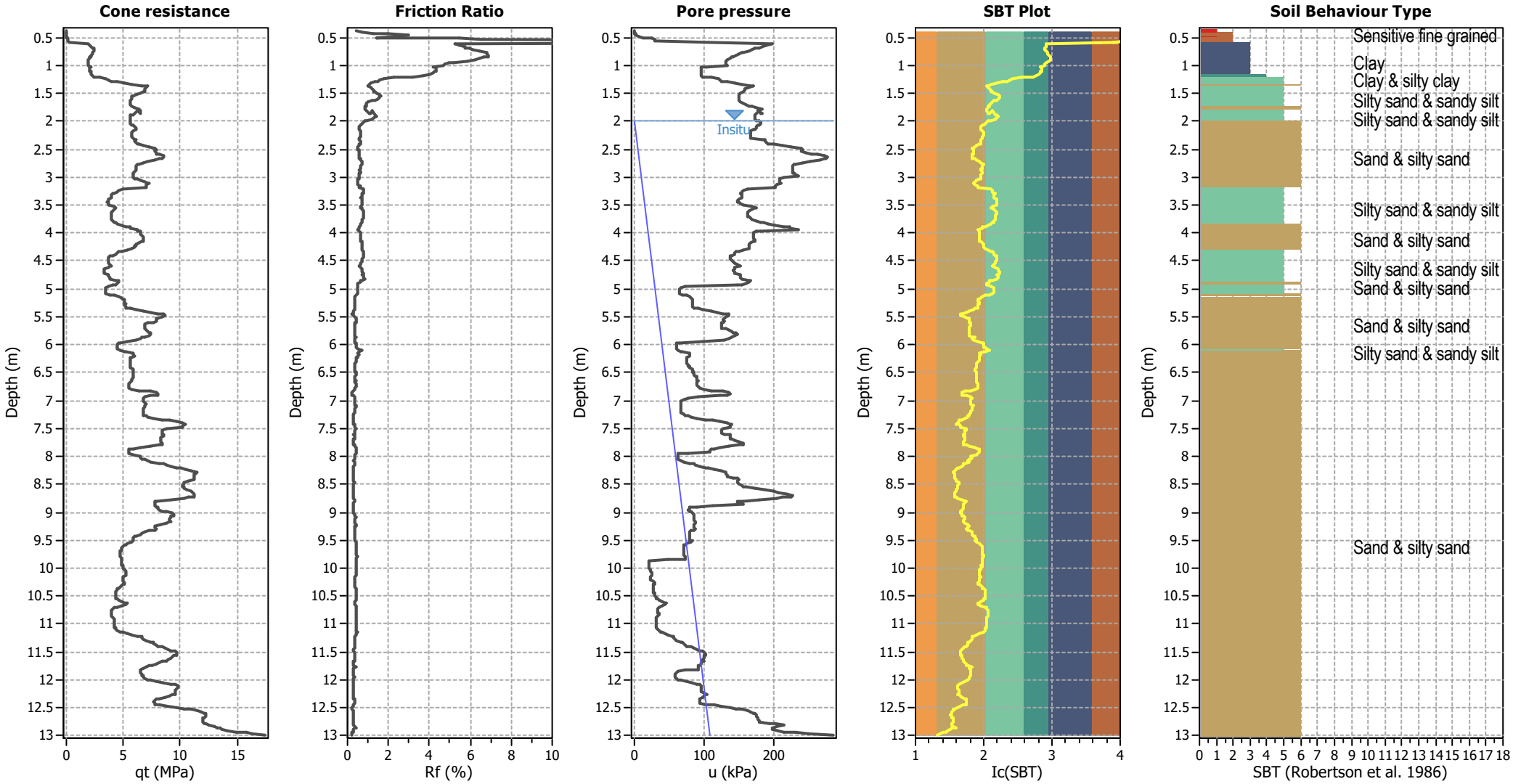






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



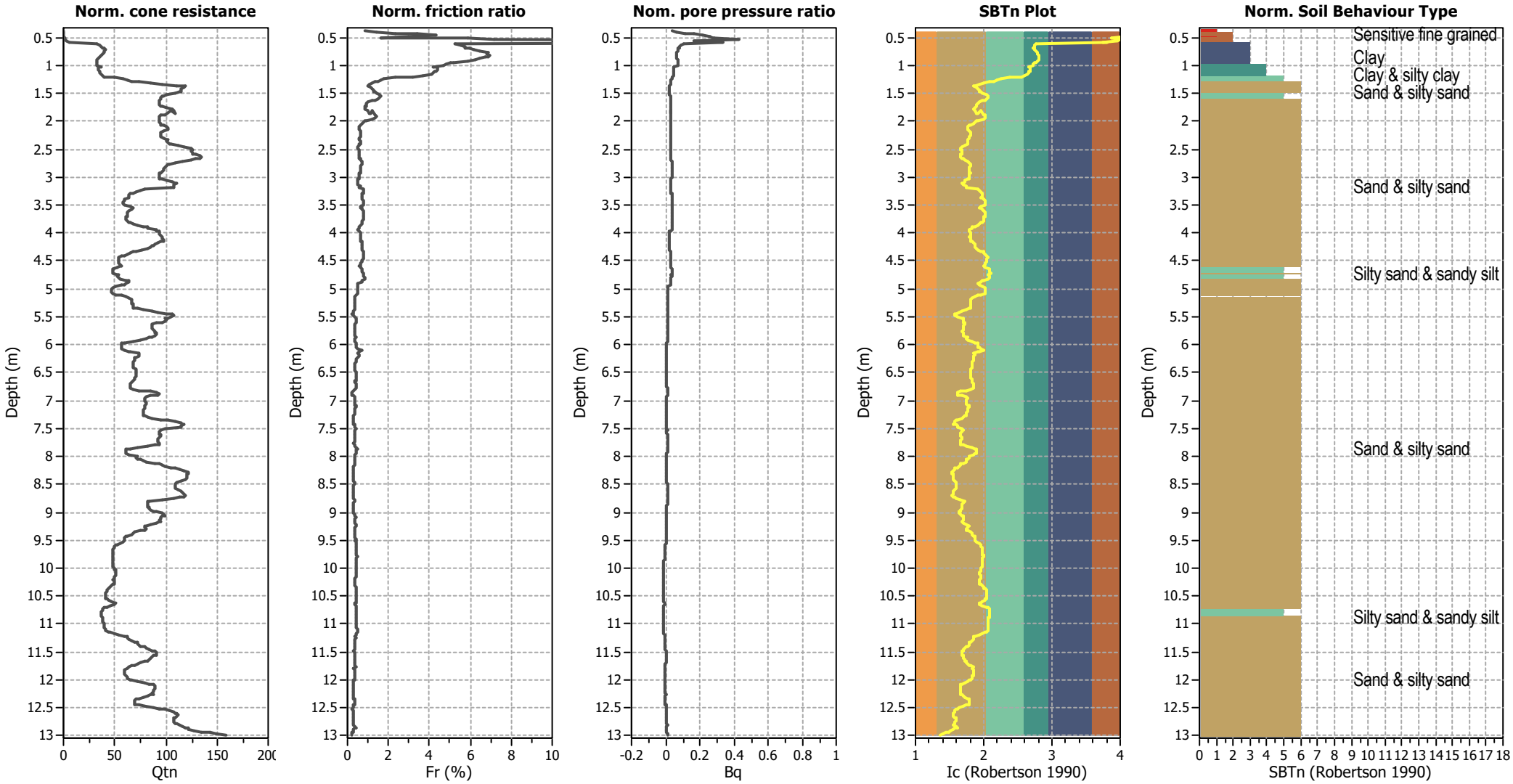
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



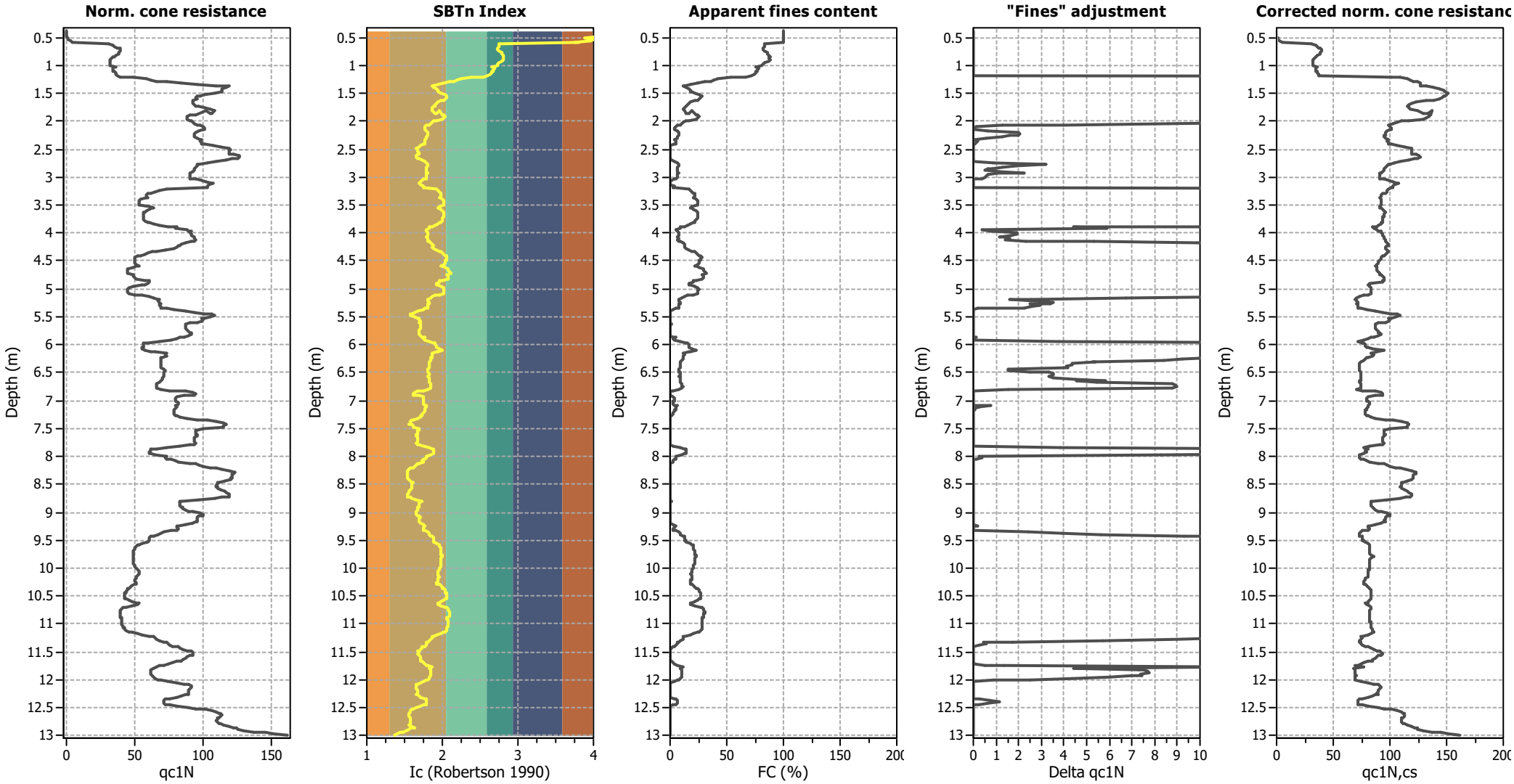
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

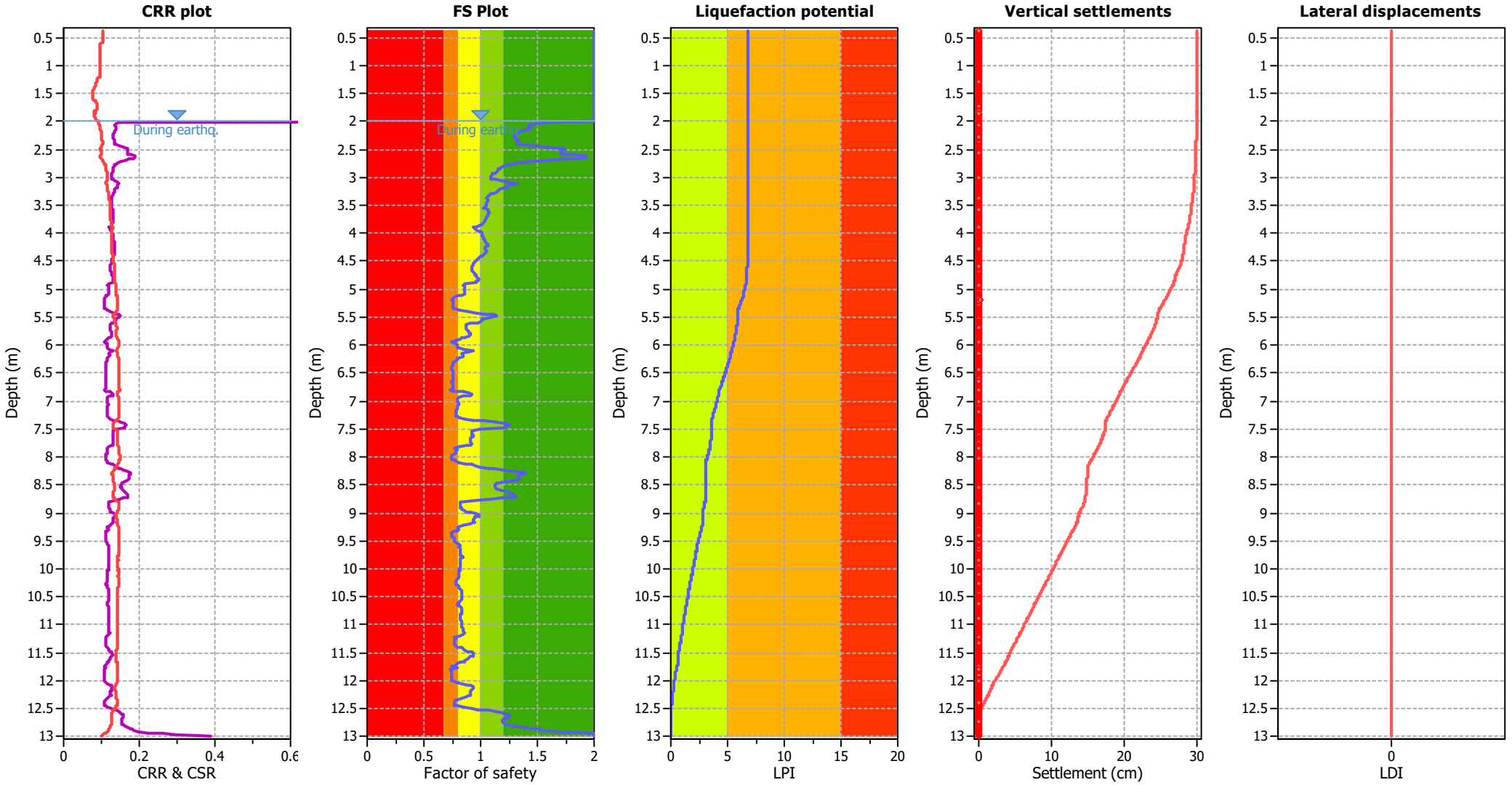
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

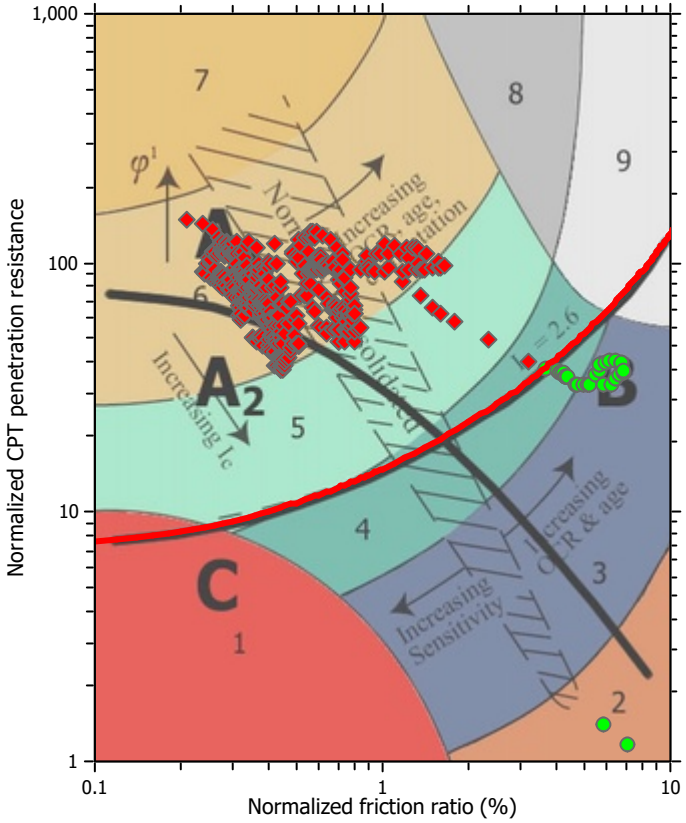
F.S. color scheme

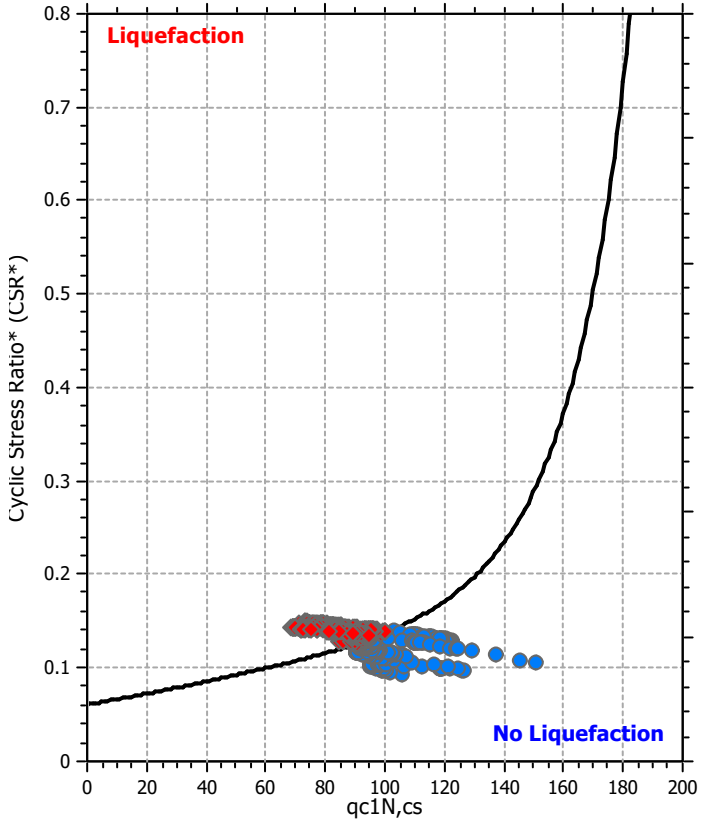
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

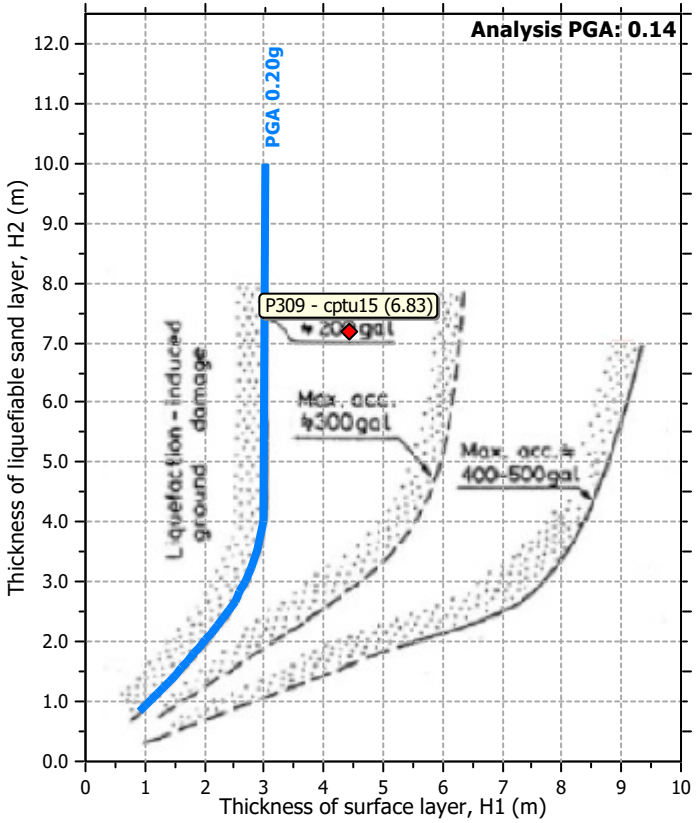
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



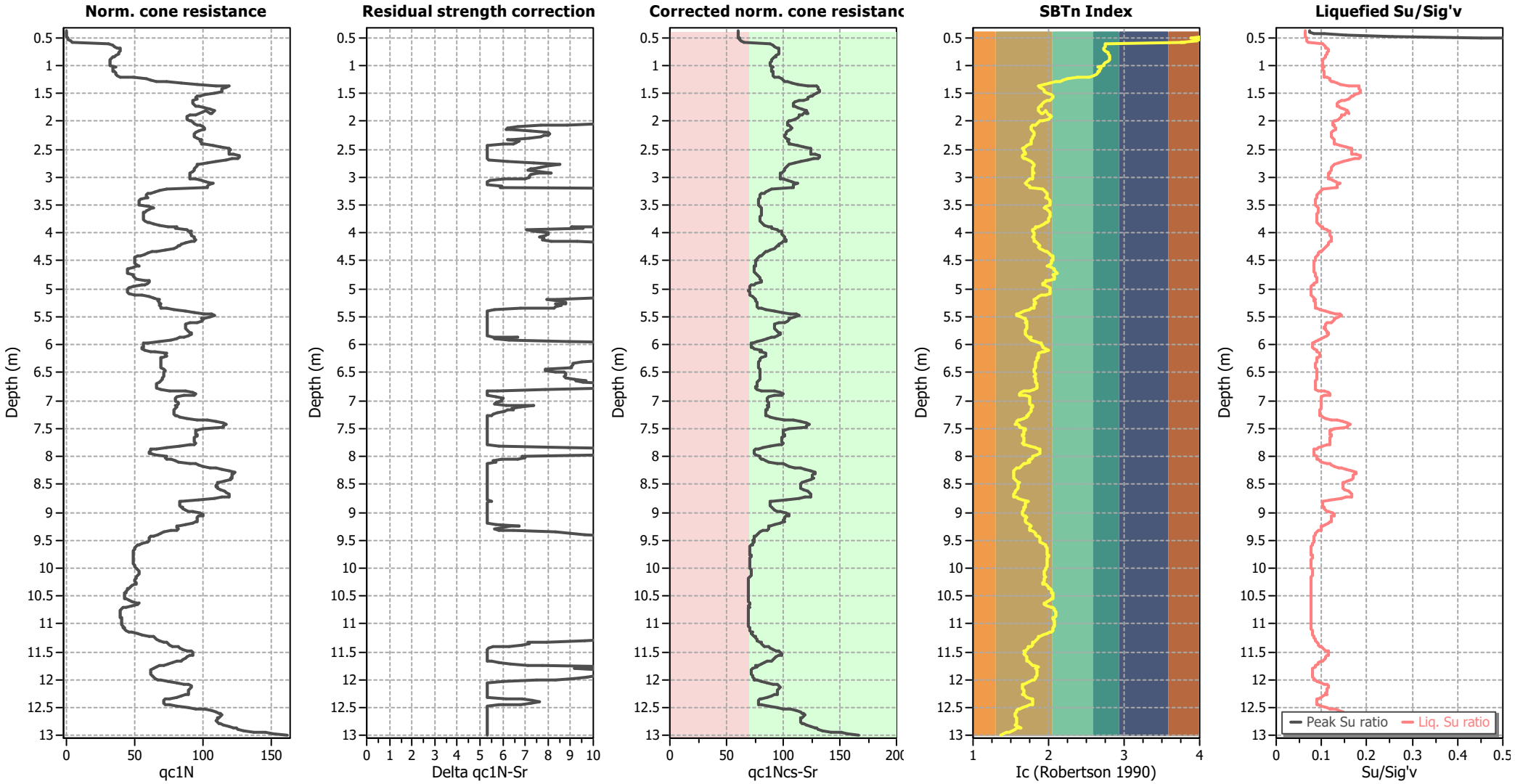




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.58	0.00	0.00	0.02	0.00	2.04	1.49	0.00	0.00	0.02	0.00
2.06	1.43	0.00	0.00	0.02	0.00	2.08	1.42	0.00	0.00	0.02	0.00
2.10	1.42	0.00	0.00	0.02	0.00	2.12	1.44	0.00	0.00	0.02	0.00
2.14	1.43	0.00	0.00	0.02	0.00	2.16	1.41	0.00	0.00	0.02	0.00
2.18	1.36	0.00	0.00	0.02	0.00	2.20	1.33	0.00	0.00	0.02	0.00
2.22	1.32	0.00	0.00	0.02	0.00	2.24	1.31	0.00	0.00	0.02	0.00
2.26	1.30	0.00	0.00	0.02	0.00	2.28	1.30	0.00	0.00	0.02	0.00
2.30	1.30	0.00	0.00	0.02	0.00	2.32	1.33	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.34	1.34	0.00	0.00	0.02	0.00	2.36	1.31	0.00	0.00	0.02	0.00
2.38	1.32	0.00	0.00	0.02	0.00	2.40	1.33	0.00	0.00	0.02	0.00
2.42	1.35	0.00	0.00	0.02	0.00	2.44	1.46	0.00	0.00	0.02	0.00
2.46	1.58	0.00	0.00	0.02	0.00	2.48	1.73	0.00	0.00	0.02	0.00
2.50	1.75	0.00	0.00	0.02	0.00	2.52	1.71	0.00	0.00	0.02	0.00
2.54	1.71	0.00	0.00	0.02	0.00	2.56	1.71	0.00	0.00	0.02	0.00
2.58	1.71	0.00	0.00	0.02	0.00	2.60	1.80	0.00	0.00	0.02	0.00
2.62	1.93	0.00	0.00	0.02	0.00	2.64	1.94	0.00	0.00	0.02	0.00
2.66	1.87	0.00	0.00	0.02	0.00	2.68	1.74	0.00	0.00	0.02	0.00
2.70	1.61	0.00	0.00	0.02	0.00	2.72	1.43	0.00	0.00	0.02	0.00
2.74	1.32	0.00	0.00	0.02	0.00	2.76	1.26	0.00	0.00	0.02	0.00
2.78	1.24	0.00	0.00	0.02	0.00	2.80	1.21	0.00	0.00	0.02	0.00
2.82	1.18	0.00	0.00	0.02	0.00	2.84	1.17	0.00	0.00	0.02	0.00
2.86	1.16	0.00	0.00	0.02	0.00	2.88	1.15	0.00	0.00	0.02	0.00
2.90	1.14	0.00	0.00	0.02	0.00	2.92	1.12	0.00	0.00	0.02	0.00
2.94	1.11	0.00	0.00	0.02	0.00	2.96	1.10	0.00	0.00	0.02	0.00
2.98	1.09	0.00	0.00	0.02	0.00	3.00	1.09	0.00	0.00	0.02	0.00
3.02	1.09	0.00	0.00	0.02	0.00	3.04	1.13	0.00	0.00	0.02	0.00
3.06	1.18	0.00	0.00	0.02	0.00	3.08	1.24	0.00	0.00	0.02	0.00
3.10	1.30	0.00	0.00	0.02	0.00	3.12	1.31	0.00	0.00	0.02	0.00
3.14	1.26	0.00	0.00	0.02	0.00	3.16	1.23	0.00	0.00	0.02	0.00
3.18	1.23	0.00	0.00	0.02	0.00	3.20	1.21	0.00	0.00	0.02	0.00
3.22	1.17	0.00	0.00	0.02	0.00	3.24	1.15	0.00	0.00	0.02	0.00
3.26	1.14	0.00	0.00	0.02	0.00	3.28	1.12	0.00	0.00	0.02	0.00
3.30	1.09	0.00	0.00	0.02	0.00	3.32	1.08	0.00	0.00	0.02	0.00
3.34	1.06	0.00	0.00	0.02	0.00	3.36	1.05	0.00	0.00	0.02	0.00
3.38	1.05	0.00	0.00	0.02	0.00	3.40	1.06	0.00	0.00	0.02	0.00
3.42	1.06	0.00	0.00	0.02	0.00	3.44	1.06	0.00	0.00	0.02	0.00
3.46	1.05	0.00	0.00	0.02	0.00	3.48	1.05	0.00	0.00	0.02	0.00
3.50	1.05	0.00	0.00	0.02	0.00	3.52	1.03	0.00	0.00	0.02	0.00
3.54	1.02	0.00	0.00	0.02	0.00	3.56	1.04	0.00	0.00	0.02	0.00
3.59	1.06	0.00	0.00	0.03	0.00	3.60	1.07	0.00	0.00	0.01	0.00
3.62	1.08	0.00	0.00	0.02	0.00	3.64	1.08	0.00	0.00	0.02	0.00
3.66	1.07	0.00	0.00	0.02	0.00	3.68	1.06	0.00	0.00	0.02	0.00
3.70	1.05	0.00	0.00	0.02	0.00	3.72	1.05	0.00	0.00	0.02	0.00
3.74	1.05	0.00	0.00	0.02	0.00	3.76	1.04	0.00	0.00	0.02	0.00
3.78	1.04	0.00	0.00	0.02	0.00	3.80	1.03	0.00	0.00	0.02	0.00
3.82	1.02	0.00	0.00	0.02	0.00	3.84	1.02	0.00	0.00	0.02	0.00
3.86	0.99	0.00	0.00	0.02	0.00	3.88	0.97	0.00	0.00	0.02	0.01
3.90	0.93	0.00	0.00	0.02	0.01	3.92	0.94	0.00	0.00	0.02	0.01
3.94	0.97	0.00	0.00	0.02	0.01	3.96	0.98	0.00	0.00	0.02	0.00
3.98	1.00	0.00	0.00	0.02	0.00	4.00	1.01	0.00	0.00	0.02	0.00
4.02	1.01	0.00	0.00	0.02	0.00	4.04	1.01	0.00	0.00	0.02	0.00
4.06	1.02	0.00	0.00	0.02	0.00	4.08	1.03	0.00	0.00	0.02	0.00
4.10	1.03	0.00	0.00	0.02	0.00	4.12	1.04	0.00	0.00	0.02	0.00
4.14	1.04	0.00	0.00	0.02	0.00	4.16	1.04	0.00	0.00	0.02	0.00
4.18	1.05	0.00	0.00	0.02	0.00	4.20	1.07	0.00	0.00	0.02	0.00
4.22	1.07	0.00	0.00	0.02	0.00	4.24	1.05	0.00	0.00	0.02	0.00
4.26	1.04	0.00	0.00	0.02	0.00	4.28	1.03	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.30	1.05	0.00	0.00	0.02	0.00	4.32	1.05	0.00	0.00	0.02	0.00
4.34	1.06	0.00	0.00	0.02	0.00	4.36	1.04	0.00	0.00	0.02	0.00
4.38	1.03	0.00	0.00	0.02	0.00	4.40	1.01	0.00	0.00	0.02	0.00
4.42	1.00	0.00	0.00	0.02	0.00	4.44	0.98	0.00	0.00	0.02	0.00
4.46	0.97	0.00	0.00	0.02	0.00	4.48	0.97	0.00	0.00	0.02	0.01
4.50	0.96	0.00	0.00	0.02	0.01	4.52	0.95	0.00	0.00	0.02	0.01
4.54	0.94	0.00	0.00	0.02	0.01	4.56	0.93	0.00	0.00	0.02	0.01
4.58	0.92	0.00	0.00	0.02	0.01	4.60	0.92	0.00	0.00	0.02	0.01
4.62	0.93	0.00	0.00	0.02	0.01	4.64	0.93	0.00	0.00	0.02	0.01
4.66	0.92	0.00	0.00	0.02	0.01	4.68	0.92	0.00	0.00	0.02	0.01
4.70	0.93	0.00	0.00	0.02	0.01	4.72	0.94	0.00	0.00	0.02	0.01
4.74	0.95	0.00	0.00	0.02	0.01	4.76	0.96	0.00	0.00	0.02	0.01
4.78	0.97	0.00	0.00	0.02	0.01	4.80	0.98	0.00	0.00	0.02	0.00
4.82	0.99	0.00	0.00	0.02	0.00	4.84	0.98	0.00	0.00	0.02	0.00
4.86	0.96	0.00	0.00	0.02	0.01	4.88	0.96	0.00	0.00	0.02	0.01
4.90	0.86	0.00	0.00	0.02	0.02	4.92	0.86	0.00	0.00	0.02	0.02
4.94	0.84	0.00	0.00	0.02	0.02	4.96	0.86	0.00	0.00	0.02	0.02
4.98	0.86	0.00	0.00	0.02	0.02	5.00	0.86	0.00	0.00	0.02	0.02
5.02	0.86	0.00	0.00	0.02	0.02	5.04	0.86	0.00	0.00	0.02	0.02
5.06	0.86	0.00	0.00	0.02	0.02	5.08	0.85	0.00	0.00	0.02	0.02
5.10	0.84	0.00	0.00	0.02	0.02	5.12	0.80	0.00	0.00	0.02	0.03
5.14	0.77	0.00	0.00	0.02	0.03	5.16	0.76	0.00	0.00	0.02	0.04
5.19	0.75	0.00	0.00	0.03	0.06	5.20	0.75	0.00	0.00	0.01	0.02
5.22	0.75	0.00	0.00	0.02	0.04	5.24	0.76	0.00	0.00	0.02	0.04
5.26	0.76	0.00	0.00	0.02	0.04	5.28	0.76	0.00	0.00	0.02	0.04
5.30	0.76	0.00	0.00	0.02	0.04	5.32	0.76	0.00	0.00	0.02	0.04
5.34	0.76	0.00	0.00	0.02	0.04	5.36	0.77	0.00	0.00	0.02	0.03
5.38	0.81	0.00	0.00	0.02	0.03	5.40	0.88	0.00	0.00	0.02	0.02
5.42	0.95	0.00	0.00	0.02	0.01	5.44	1.04	0.00	0.00	0.02	0.00
5.46	1.12	0.00	0.00	0.02	0.00	5.48	1.14	0.00	0.00	0.02	0.00
5.50	1.09	0.00	0.00	0.02	0.00	5.52	1.04	0.00	0.00	0.02	0.00
5.54	1.01	0.00	0.00	0.02	0.00	5.56	1.01	0.00	0.00	0.02	0.00
5.58	1.00	0.00	0.00	0.02	0.00	5.60	0.97	0.00	0.00	0.02	0.00
5.62	0.91	0.00	0.00	0.02	0.01	5.64	0.87	0.00	0.00	0.02	0.02
5.66	0.87	0.00	0.00	0.02	0.02	5.68	0.87	0.00	0.00	0.02	0.02
5.70	0.87	0.00	0.00	0.02	0.02	5.72	0.87	0.00	0.00	0.02	0.02
5.74	0.88	0.00	0.00	0.02	0.02	5.76	0.89	0.00	0.00	0.02	0.02
5.78	0.90	0.00	0.00	0.02	0.01	5.80	0.91	0.00	0.00	0.02	0.01
5.82	0.92	0.00	0.00	0.02	0.01	5.84	0.90	0.00	0.00	0.02	0.01
5.86	0.86	0.00	0.00	0.02	0.02	5.88	0.84	0.00	0.00	0.02	0.02
5.90	0.81	0.00	0.00	0.02	0.03	5.92	0.78	0.00	0.00	0.02	0.03
5.94	0.75	0.00	0.00	0.02	0.04	5.96	0.77	0.00	0.00	0.02	0.03
5.98	0.79	0.00	0.00	0.02	0.03	6.00	0.79	0.00	0.00	0.02	0.03
6.02	0.79	0.00	0.00	0.02	0.03	6.04	0.80	0.00	0.00	0.02	0.03
6.06	0.81	0.00	0.00	0.02	0.03	6.08	0.84	0.00	0.00	0.02	0.02
6.10	0.94	0.00	0.00	0.02	0.01	6.12	0.88	0.00	0.00	0.02	0.02
6.14	0.88	0.00	0.00	0.02	0.02	6.16	0.83	0.00	0.00	0.02	0.02
6.18	0.85	0.00	0.00	0.02	0.02	6.20	0.85	0.00	0.00	0.02	0.02
6.22	0.81	0.00	0.00	0.02	0.03	6.24	0.80	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.26	0.79	0.00	0.00	0.02	0.03	6.28	0.78	0.00	0.00	0.02	0.03
6.30	0.76	0.00	0.00	0.02	0.03	6.32	0.76	0.00	0.00	0.02	0.03
6.34	0.75	0.00	0.00	0.02	0.03	6.36	0.75	0.00	0.00	0.02	0.03
6.38	0.75	0.00	0.00	0.02	0.03	6.40	0.75	0.00	0.00	0.02	0.03
6.42	0.75	0.00	0.00	0.02	0.03	6.44	0.75	0.00	0.00	0.02	0.03
6.46	0.75	0.00	0.00	0.02	0.03	6.48	0.76	0.00	0.00	0.02	0.03
6.50	0.76	0.00	0.00	0.02	0.03	6.52	0.76	0.00	0.00	0.02	0.03
6.54	0.76	0.00	0.00	0.02	0.03	6.56	0.75	0.00	0.00	0.02	0.03
6.58	0.76	0.00	0.00	0.02	0.03	6.60	0.75	0.00	0.00	0.02	0.03
6.62	0.75	0.00	0.00	0.02	0.03	6.64	0.75	0.00	0.00	0.02	0.03
6.66	0.75	0.00	0.00	0.02	0.03	6.68	0.75	0.00	0.00	0.02	0.03
6.70	0.75	0.00	0.00	0.02	0.03	6.72	0.75	0.00	0.00	0.02	0.03
6.74	0.75	0.00	0.00	0.02	0.03	6.76	0.75	0.00	0.00	0.02	0.03
6.78	0.75	0.00	0.00	0.02	0.03	6.80	0.73	0.00	0.00	0.02	0.04
6.82	0.76	0.00	0.00	0.02	0.03	6.84	0.85	0.00	0.00	0.02	0.02
6.86	0.90	0.00	0.00	0.02	0.01	6.88	0.92	0.00	0.00	0.02	0.01
6.90	0.92	0.00	0.00	0.02	0.01	6.92	0.85	0.00	0.00	0.02	0.02
6.94	0.80	0.00	0.00	0.02	0.03	6.96	0.79	0.00	0.00	0.02	0.03
6.98	0.79	0.00	0.00	0.02	0.03	7.00	0.79	0.00	0.00	0.02	0.03
7.02	0.79	0.00	0.00	0.02	0.03	7.04	0.80	0.00	0.00	0.02	0.03
7.06	0.81	0.00	0.00	0.02	0.02	7.08	0.79	0.00	0.00	0.02	0.03
7.10	0.80	0.00	0.00	0.02	0.03	7.12	0.80	0.00	0.00	0.02	0.03
7.14	0.79	0.00	0.00	0.02	0.03	7.16	0.78	0.00	0.00	0.02	0.03
7.18	0.78	0.00	0.00	0.02	0.03	7.20	0.78	0.00	0.00	0.02	0.03
7.22	0.78	0.00	0.00	0.02	0.03	7.24	0.78	0.00	0.00	0.02	0.03
7.26	0.78	0.00	0.00	0.02	0.03	7.28	0.80	0.00	0.00	0.02	0.03
7.30	0.81	0.00	0.00	0.02	0.02	7.32	0.86	0.00	0.00	0.02	0.02
7.34	0.94	0.00	0.00	0.02	0.01	7.36	1.03	0.00	0.00	0.02	0.00
7.38	1.12	0.00	0.00	0.02	0.00	7.40	1.22	0.00	0.00	0.02	0.00
7.42	1.26	0.00	0.00	0.02	0.00	7.44	1.26	0.00	0.00	0.02	0.00
7.46	1.22	0.00	0.00	0.02	0.00	7.48	1.22	0.00	0.00	0.02	0.00
7.50	0.98	0.00	0.00	0.02	0.00	7.52	0.93	0.00	0.00	0.02	0.01
7.54	0.93	0.00	0.00	0.02	0.01	7.56	0.93	0.00	0.00	0.02	0.01
7.58	0.93	0.00	0.00	0.02	0.01	7.60	0.93	0.00	0.00	0.02	0.01
7.62	0.94	0.00	0.00	0.02	0.01	7.64	0.93	0.00	0.00	0.02	0.01
7.66	0.91	0.00	0.00	0.02	0.01	7.68	0.91	0.00	0.00	0.02	0.01
7.70	0.91	0.00	0.00	0.02	0.01	7.72	0.91	0.00	0.00	0.02	0.01
7.74	0.91	0.00	0.00	0.02	0.01	7.76	0.92	0.00	0.00	0.02	0.01
7.78	0.92	0.00	0.00	0.02	0.01	7.80	0.88	0.00	0.00	0.02	0.01
7.82	0.81	0.00	0.00	0.02	0.02	7.84	0.77	0.00	0.00	0.02	0.03
7.86	0.79	0.00	0.00	0.02	0.03	7.88	0.78	0.00	0.00	0.02	0.03
7.90	0.78	0.00	0.00	0.02	0.03	7.92	0.78	0.00	0.00	0.02	0.03
7.94	0.77	0.00	0.00	0.02	0.03	7.96	0.77	0.00	0.00	0.02	0.03
7.98	0.74	0.00	0.00	0.02	0.03	8.00	0.74	0.00	0.00	0.02	0.03
8.02	0.74	0.00	0.00	0.02	0.03	8.04	0.74	0.00	0.00	0.02	0.03
8.06	0.76	0.00	0.00	0.02	0.03	8.08	0.78	0.00	0.00	0.02	0.03
8.10	0.80	0.00	0.00	0.02	0.02	8.12	0.88	0.00	0.00	0.02	0.01
8.14	0.92	0.00	0.00	0.02	0.01	8.16	0.95	0.00	0.00	0.02	0.01
8.18	0.99	0.00	0.00	0.02	0.00	8.20	1.06	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.22	1.12	0.00	0.00	0.02	0.00	8.24	1.19	0.00	0.00	0.02	0.00
8.26	1.29	0.00	0.00	0.02	0.00	8.28	1.39	0.00	0.00	0.02	0.00
8.30	1.38	0.00	0.00	0.02	0.00	8.32	1.35	0.00	0.00	0.02	0.00
8.34	1.34	0.00	0.00	0.02	0.00	8.36	1.33	0.00	0.00	0.02	0.00
8.38	1.33	0.00	0.00	0.02	0.00	8.40	1.34	0.00	0.00	0.02	0.00
8.42	1.31	0.00	0.00	0.02	0.00	8.44	1.22	0.00	0.00	0.02	0.00
8.46	1.15	0.00	0.00	0.02	0.00	8.48	1.14	0.00	0.00	0.02	0.00
8.50	1.13	0.00	0.00	0.02	0.00	8.52	1.13	0.00	0.00	0.02	0.00
8.54	1.12	0.00	0.00	0.02	0.00	8.56	1.13	0.00	0.00	0.02	0.00
8.58	1.14	0.00	0.00	0.02	0.00	8.60	1.17	0.00	0.00	0.02	0.00
8.62	1.24	0.00	0.00	0.02	0.00	8.64	1.26	0.00	0.00	0.02	0.00
8.66	1.26	0.00	0.00	0.02	0.00	8.68	1.29	0.00	0.00	0.02	0.00
8.70	1.30	0.00	0.00	0.02	0.00	8.72	1.29	0.00	0.00	0.02	0.00
8.74	1.20	0.00	0.00	0.02	0.00	8.76	1.11	0.00	0.00	0.02	0.00
8.78	0.95	0.00	0.00	0.02	0.01	8.80	0.83	0.00	0.00	0.02	0.02
8.82	0.82	0.00	0.00	0.02	0.02	8.84	0.81	0.00	0.00	0.02	0.02
8.86	0.82	0.00	0.00	0.02	0.02	8.88	0.82	0.00	0.00	0.02	0.02
8.90	0.83	0.00	0.00	0.02	0.02	8.92	0.83	0.00	0.00	0.02	0.02
8.94	0.84	0.00	0.00	0.02	0.02	8.96	0.85	0.00	0.00	0.02	0.02
8.98	0.87	0.00	0.00	0.02	0.01	9.00	0.90	0.00	0.00	0.02	0.01
9.02	0.96	0.00	0.00	0.02	0.00	9.04	0.98	0.00	0.00	0.02	0.00
9.06	0.99	0.00	0.00	0.02	0.00	9.08	0.95	0.00	0.00	0.02	0.00
9.10	0.94	0.00	0.00	0.02	0.01	9.12	0.94	0.00	0.00	0.02	0.01
9.14	0.94	0.00	0.00	0.02	0.01	9.16	0.94	0.00	0.00	0.02	0.01
9.18	0.93	0.00	0.00	0.02	0.01	9.20	0.91	0.00	0.00	0.02	0.01
9.22	0.85	0.00	0.00	0.02	0.02	9.24	0.81	0.00	0.00	0.02	0.02
9.26	0.81	0.00	0.00	0.02	0.02	9.28	0.80	0.00	0.00	0.02	0.02
9.30	0.81	0.00	0.00	0.02	0.02	9.32	0.80	0.00	0.00	0.02	0.02
9.34	0.77	0.00	0.00	0.02	0.02	9.36	0.75	0.00	0.00	0.02	0.03
9.38	0.75	0.00	0.00	0.02	0.03	9.40	0.74	0.00	0.00	0.02	0.03
9.42	0.75	0.00	0.00	0.02	0.03	9.44	0.76	0.00	0.00	0.02	0.03
9.46	0.76	0.00	0.00	0.02	0.02	9.48	0.77	0.00	0.00	0.02	0.02
9.50	0.77	0.00	0.00	0.02	0.02	9.52	0.77	0.00	0.00	0.02	0.02
9.54	0.78	0.00	0.00	0.02	0.02	9.56	0.80	0.00	0.00	0.02	0.02
9.58	0.82	0.00	0.00	0.02	0.02	9.60	0.82	0.00	0.00	0.02	0.02
9.62	0.81	0.00	0.00	0.02	0.02	9.64	0.81	0.00	0.00	0.02	0.02
9.66	0.81	0.00	0.00	0.02	0.02	9.68	0.82	0.00	0.00	0.02	0.02
9.70	0.82	0.00	0.00	0.02	0.02	9.72	0.82	0.00	0.00	0.02	0.02
9.74	0.82	0.00	0.00	0.02	0.02	9.76	0.82	0.00	0.00	0.02	0.02
9.78	0.83	0.00	0.00	0.02	0.02	9.80	0.84	0.00	0.00	0.02	0.02
9.82	0.83	0.00	0.00	0.02	0.02	9.84	0.82	0.00	0.00	0.02	0.02
9.86	0.82	0.00	0.00	0.02	0.02	9.88	0.82	0.00	0.00	0.02	0.02
9.90	0.82	0.00	0.00	0.02	0.02	9.92	0.82	0.00	0.00	0.02	0.02
9.94	0.82	0.00	0.00	0.02	0.02	9.96	0.82	0.00	0.00	0.02	0.02
9.98	0.82	0.00	0.00	0.02	0.02	10.00	0.81	0.00	0.00	0.02	0.02
10.02	0.82	0.00	0.00	0.02	0.02	10.04	0.81	0.00	0.00	0.02	0.02
10.06	0.81	0.00	0.00	0.02	0.02	10.08	0.81	0.00	0.00	0.02	0.02
10.10	0.81	0.00	0.00	0.02	0.02	10.12	0.81	0.00	0.00	0.02	0.02
10.14	0.81	0.00	0.00	0.02	0.02	10.16	0.81	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.18	0.79	0.00	0.00	0.02	0.02	10.20	0.79	0.00	0.00	0.02	0.02
10.22	0.78	0.00	0.00	0.02	0.02	10.24	0.78	0.00	0.00	0.02	0.02
10.26	0.78	0.00	0.00	0.02	0.02	10.28	0.78	0.00	0.00	0.02	0.02
10.30	0.79	0.00	0.00	0.02	0.02	10.32	0.80	0.00	0.00	0.02	0.02
10.34	0.81	0.00	0.00	0.02	0.02	10.36	0.82	0.00	0.00	0.02	0.02
10.38	0.82	0.00	0.00	0.02	0.02	10.40	0.83	0.00	0.00	0.02	0.02
10.42	0.83	0.00	0.00	0.02	0.02	10.44	0.83	0.00	0.00	0.02	0.02
10.46	0.83	0.00	0.00	0.02	0.02	10.48	0.83	0.00	0.00	0.02	0.02
10.50	0.83	0.00	0.00	0.02	0.02	10.52	0.83	0.00	0.00	0.02	0.02
10.54	0.83	0.00	0.00	0.02	0.02	10.56	0.83	0.00	0.00	0.02	0.02
10.58	0.83	0.00	0.00	0.02	0.02	10.60	0.81	0.00	0.00	0.02	0.02
10.62	0.81	0.00	0.00	0.02	0.02	10.64	0.79	0.00	0.00	0.02	0.02
10.66	0.80	0.00	0.00	0.02	0.02	10.68	0.82	0.00	0.00	0.02	0.02
10.70	0.83	0.00	0.00	0.02	0.02	10.72	0.83	0.00	0.00	0.02	0.02
10.74	0.83	0.00	0.00	0.02	0.02	10.76	0.83	0.00	0.00	0.02	0.02
10.77	0.83	0.00	0.00	0.02	0.02	10.79	0.83	0.00	0.00	0.02	0.02
10.81	0.83	0.00	0.00	0.02	0.02	10.83	0.83	0.00	0.00	0.02	0.02
10.85	0.83	0.00	0.00	0.02	0.02	10.87	0.83	0.00	0.00	0.02	0.02
10.89	0.82	0.00	0.00	0.02	0.02	10.91	0.83	0.00	0.00	0.02	0.02
10.93	0.83	0.00	0.00	0.02	0.02	10.95	0.83	0.00	0.00	0.02	0.02
10.97	0.83	0.00	0.00	0.02	0.02	10.99	0.84	0.00	0.00	0.02	0.01
11.01	0.84	0.00	0.00	0.02	0.01	11.03	0.84	0.00	0.00	0.02	0.01
11.05	0.84	0.00	0.00	0.02	0.01	11.07	0.84	0.00	0.00	0.02	0.01
11.09	0.85	0.00	0.00	0.02	0.01	11.11	0.85	0.00	0.00	0.02	0.01
11.13	0.86	0.00	0.00	0.02	0.01	11.15	0.86	0.00	0.00	0.02	0.01
11.17	0.84	0.00	0.00	0.02	0.01	11.19	0.82	0.00	0.00	0.02	0.02
11.21	0.78	0.00	0.00	0.02	0.02	11.23	0.77	0.00	0.00	0.02	0.02
11.25	0.78	0.00	0.00	0.02	0.02	11.27	0.77	0.00	0.00	0.02	0.02
11.29	0.77	0.00	0.00	0.02	0.02	11.31	0.76	0.00	0.00	0.02	0.02
11.33	0.77	0.00	0.00	0.02	0.02	11.35	0.78	0.00	0.00	0.02	0.02
11.37	0.78	0.00	0.00	0.02	0.02	11.39	0.80	0.00	0.00	0.02	0.02
11.41	0.83	0.00	0.00	0.02	0.01	11.43	0.84	0.00	0.00	0.02	0.01
11.45	0.86	0.00	0.00	0.02	0.01	11.47	0.89	0.00	0.00	0.02	0.01
11.49	0.92	0.00	0.00	0.02	0.01	11.51	0.93	0.00	0.00	0.02	0.01
11.53	0.94	0.00	0.00	0.02	0.01	11.55	0.94	0.00	0.00	0.02	0.01
11.57	0.91	0.00	0.00	0.02	0.01	11.59	0.89	0.00	0.00	0.02	0.01
11.61	0.88	0.00	0.00	0.02	0.01	11.63	0.86	0.00	0.00	0.02	0.01
11.65	0.86	0.00	0.00	0.02	0.01	11.67	0.82	0.00	0.00	0.02	0.01
11.69	0.80	0.00	0.00	0.02	0.02	11.71	0.78	0.00	0.00	0.02	0.02
11.73	0.76	0.00	0.00	0.02	0.02	11.75	0.75	0.00	0.00	0.02	0.02
11.77	0.80	0.00	0.00	0.02	0.02	11.79	0.74	0.00	0.00	0.02	0.02
11.81	0.74	0.00	0.00	0.02	0.02	11.83	0.74	0.00	0.00	0.02	0.02
11.85	0.74	0.00	0.00	0.02	0.02	11.87	0.75	0.00	0.00	0.02	0.02
11.89	0.74	0.00	0.00	0.02	0.02	11.91	0.75	0.00	0.00	0.02	0.02
11.93	0.75	0.00	0.00	0.02	0.02	11.95	0.75	0.00	0.00	0.02	0.02
11.97	0.74	0.00	0.00	0.02	0.02	11.99	0.74	0.00	0.00	0.02	0.02
12.01	0.75	0.00	0.00	0.02	0.02	12.03	0.78	0.00	0.00	0.02	0.02
12.05	0.83	0.00	0.00	0.02	0.01	12.07	0.88	0.00	0.00	0.02	0.01
12.09	0.91	0.00	0.00	0.02	0.01	12.11	0.93	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.13	0.94	0.00	0.00	0.02	0.00	12.15	0.93	0.00	0.00	0.02	0.01
12.17	0.92	0.00	0.00	0.02	0.01	12.19	0.91	0.00	0.00	0.02	0.01
12.21	0.91	0.00	0.00	0.02	0.01	12.23	0.91	0.00	0.00	0.02	0.01
12.25	0.92	0.00	0.00	0.02	0.01	12.27	0.89	0.00	0.00	0.02	0.01
12.29	0.87	0.00	0.00	0.02	0.01	12.31	0.84	0.00	0.00	0.02	0.01
12.33	0.79	0.00	0.00	0.02	0.02	12.35	0.78	0.00	0.00	0.02	0.02
12.37	0.77	0.00	0.00	0.02	0.02	12.39	0.77	0.00	0.00	0.02	0.02
12.41	0.77	0.00	0.00	0.02	0.02	12.43	0.77	0.00	0.00	0.02	0.02
12.45	0.80	0.00	0.00	0.02	0.02	12.47	0.84	0.00	0.00	0.02	0.01
12.49	0.92	0.00	0.00	0.02	0.01	12.51	0.98	0.00	0.00	0.02	0.00
12.53	1.06	0.00	0.00	0.02	0.00	12.55	1.13	0.00	0.00	0.02	0.00
12.57	1.19	0.00	0.00	0.02	0.00	12.59	1.22	0.00	0.00	0.02	0.00
12.61	1.24	0.00	0.00	0.02	0.00	12.63	1.26	0.00	0.00	0.02	0.00
12.65	1.25	0.00	0.00	0.02	0.00	12.67	1.23	0.00	0.00	0.02	0.00
12.69	1.20	0.00	0.00	0.02	0.00	12.71	1.20	0.00	0.00	0.02	0.00
12.73	1.20	0.00	0.00	0.02	0.00	12.75	1.21	0.00	0.00	0.02	0.00
12.77	1.22	0.00	0.00	0.02	0.00	12.79	1.24	0.00	0.00	0.02	0.00
12.81	1.30	0.00	0.00	0.02	0.00	12.83	1.38	0.00	0.00	0.02	0.00
12.85	1.47	0.00	0.00	0.02	0.00	12.87	1.51	0.00	0.00	0.02	0.00
12.89	1.54	0.00	0.00	0.02	0.00	12.91	1.69	0.00	0.00	0.02	0.00
12.93	1.99	0.00	0.00	0.02	0.00	12.95	2.00	0.00	0.00	0.02	0.00
12.97	2.00	0.00	0.00	0.02	0.00	12.99	2.00	0.00	0.00	0.02	0.00

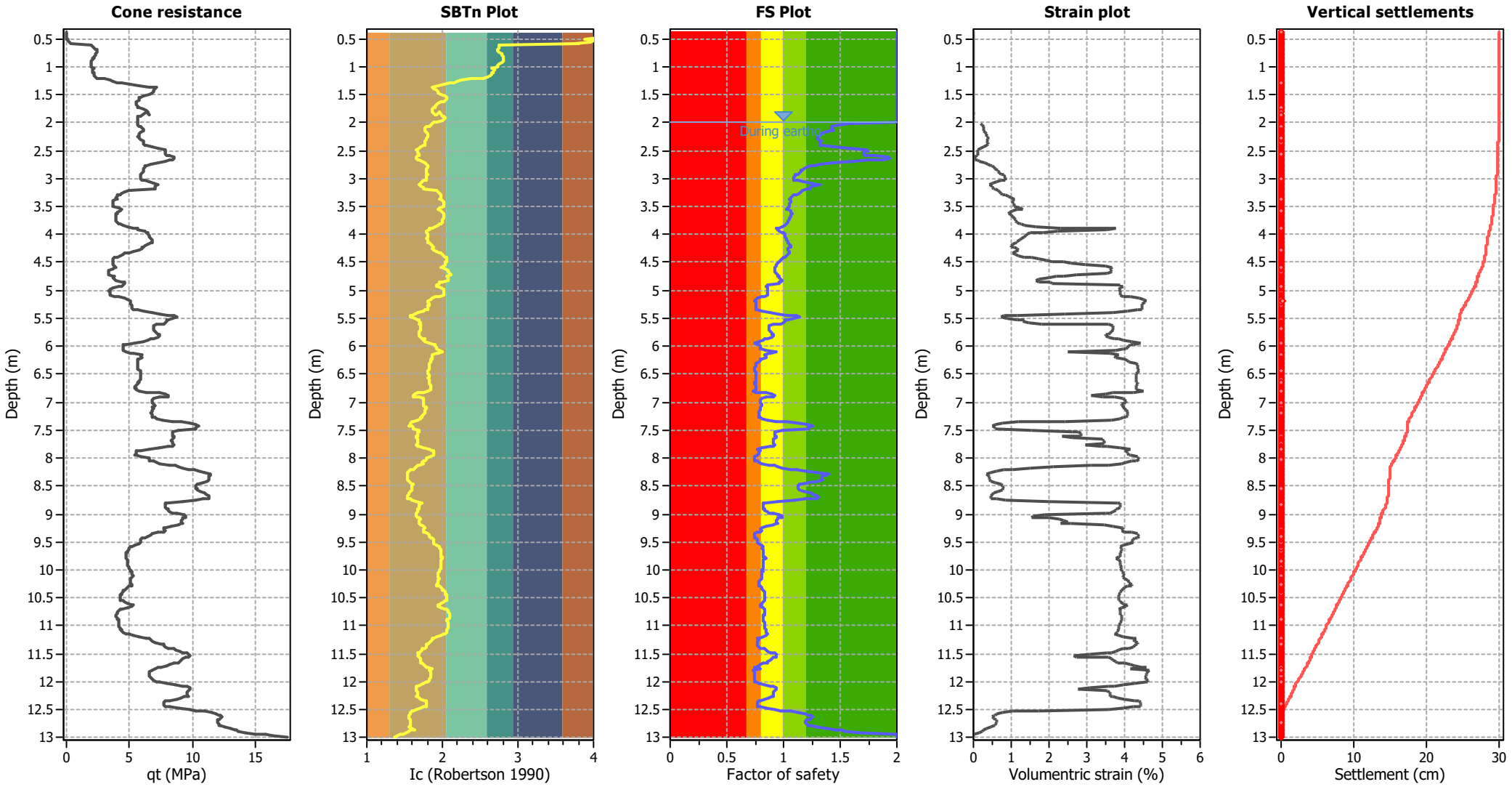
Overall liquefaction potential: 6.83

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.38	4.06	0.09	54.25	4.92	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.40	4.06	0.10	54.25	5.25	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.42	4.06	0.11	54.25	6.14	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.44	4.06	0.15	54.25	8.18	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.46	4.06	0.23	54.25	12.51	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.48	4.06	0.39	54.25	21.41	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.50	3.88	0.73	40.15	29.20	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.52	3.88	1.40	39.90	55.77	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.54	3.99	1.15	48.47	55.69	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	3.96	3.02	45.97	138.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.74	5.33	31.91	170.24	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.80	5.33	35.45	188.94	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.62	2.76	32.31	5.36	173.26	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.64	2.75	35.10	5.23	183.44	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.66	2.75	36.37	5.25	190.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.68	2.73	38.48	5.07	194.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.70	2.74	39.78	5.09	202.45	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.72	2.74	40.57	5.13	207.97	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.76	40.10	5.34	214.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.78	39.46	5.64	222.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.78	39.26	5.64	221.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.79	38.80	5.68	220.45	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.82	2.81	36.93	5.92	218.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.84	2.81	35.81	6.02	215.41	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.86	2.81	35.06	5.98	209.62	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.88	2.81	33.80	5.97	201.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.90	2.81	32.36	6.00	194.32	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.92	2.80	32.15	5.81	186.77	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.94	2.76	32.05	5.35	171.44	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	2.75	32.02	5.23	167.51	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	2.73	32.17	5.06	162.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	2.72	32.32	4.96	160.34	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.02	2.65	36.17	4.25	153.64	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.04	2.68	34.46	4.54	156.50	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	2.68	34.53	4.53	156.38	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.08	2.68	34.60	4.52	156.27	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.10	2.68	34.79	4.48	155.93	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.12	2.66	35.80	4.33	155.09	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.14	2.66	35.99	4.27	153.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.16	2.64	36.82	4.13	152.00	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.18	2.61	37.64	3.80	143.05	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.20	2.55	39.87	3.31	131.92	35	53711	0.09	0.004	0.00	3.58	0.00	0.000
1.22	2.38	49.42	2.27	112.38	27	54023	0.09	0.004	0.00	3.58	0.00	0.000
1.24	2.25	58.52	1.74	102.11	23	54042	0.09	0.004	0.00	3.58	0.00	0.000
1.26	2.20	62.41	1.61	100.39	23	54132	0.09	0.004	0.00	3.58	0.00	0.000
1.28	2.16	66.74	1.51	101.04	22	54847	0.09	0.004	0.00	3.58	0.00	0.000
1.30	2.09	73.67	1.41	103.95	22	56074	0.09	0.004	0.00	3.58	0.00	0.000
1.32	2.01	84.80	1.32	111.58	23	57993	0.09	0.004	0.00	3.58	0.00	0.000
1.34	1.94	95.99	1.26	121.00	25	59751	0.09	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.36	1.87	110.00	1.22	134.13	27	63363	0.09	0.003	0.00	3.58	0.00	0.000
1.38	1.86	119.37	1.21	143.91	28	67172	0.08	0.003	0.00	3.58	0.00	0.000
1.40	1.89	117.52	1.23	144.29	29	68722	0.08	0.003	0.00	3.58	0.00	0.000
1.42	1.92	114.64	1.25	143.44	29	70104	0.08	0.003	0.00	3.58	0.00	0.000
1.44	1.94	114.53	1.26	144.42	29	71357	0.08	0.003	0.00	3.58	0.00	0.000
1.46	1.94	114.43	1.27	144.88	30	71995	0.08	0.003	0.00	3.58	0.00	0.000
1.48	1.95	113.84	1.27	144.50	29	72052	0.08	0.003	0.00	3.58	0.00	0.000
1.50	1.99	108.68	1.30	140.92	29	72164	0.08	0.003	0.00	3.58	0.00	0.000
1.52	2.04	101.36	1.34	136.01	29	71785	0.08	0.003	0.00	3.58	0.00	0.000
1.54	2.06	97.77	1.37	133.54	28	71193	0.08	0.004	0.00	3.58	0.00	0.000
1.56	2.06	96.56	1.36	131.66	28	70135	0.08	0.004	0.00	3.58	0.00	0.000
1.58	2.06	95.35	1.36	129.78	28	69067	0.08	0.004	0.00	3.58	0.00	0.000
1.60	2.04	95.72	1.34	128.50	27	67838	0.08	0.004	0.00	3.58	0.00	0.000
1.62	2.02	93.17	1.33	123.59	26	64683	0.08	0.004	0.00	3.58	0.00	0.000
1.64	1.98	93.01	1.29	120.15	25	61265	0.08	0.004	0.00	3.58	0.00	0.000
1.66	1.94	93.00	1.26	117.37	24	58057	0.09	0.005	0.00	3.58	0.00	0.000
1.68	1.92	93.01	1.25	116.21	23	56673	0.09	0.005	0.00	3.58	0.00	0.000
1.70	1.90	93.99	1.24	116.42	23	56099	0.09	0.005	0.00	3.58	0.00	0.000
1.72	1.89	94.96	1.23	117.11	23	56095	0.09	0.005	0.00	3.58	0.00	0.000
1.74	1.89	96.90	1.23	119.19	24	56909	0.09	0.005	0.00	3.58	0.00	0.000
1.76	1.87	101.08	1.22	123.04	24	58012	0.09	0.005	0.00	3.58	0.00	0.000
1.78	1.86	106.11	1.21	128.00	25	59791	0.09	0.005	0.00	3.58	0.00	0.000
1.80	1.87	108.40	1.22	131.94	26	62207	0.09	0.005	0.00	3.58	0.00	0.000
1.87	1.89	109.76	1.23	135.39	27	64874	0.08	0.005	0.00	3.58	0.00	0.000
1.87	1.92	108.89	1.25	136.19	28	66515	0.08	0.005	0.00	3.58	0.00	0.000
1.82	1.96	104.86	1.27	133.54	27	66887	0.08	0.005	0.00	3.58	0.00	0.000
1.88	2.00	98.68	1.30	128.70	27	66324	0.08	0.005	0.00	3.58	0.00	0.000
1.90	2.02	94.45	1.33	125.15	26	65443	0.08	0.005	0.00	3.58	0.00	0.000
1.92	2.03	93.34	1.33	124.59	26	65513	0.08	0.005	0.00	3.58	0.00	0.000
1.94	2.01	93.32	1.32	122.89	26	63918	0.08	0.005	0.00	3.58	0.00	0.000
1.96	1.99	93.34	1.30	121.48	25	62463	0.08	0.005	0.00	3.58	0.00	0.000
1.98	1.91	93.37	1.25	116.38	23	56565	0.09	0.006	0.00	3.58	0.00	0.000
2.00	1.89	93.44	1.23	114.74	23	54664	0.09	0.006	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	106.00	1.58	0.17	1.00	0.00	2.04	102.09	1.49	0.22	1.00	0.00
2.06	99.20	1.43	0.26	1.00	0.01	2.08	98.99	1.42	0.27	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.10	99.71	1.42	0.26	1.00	0.01	2.12	100.90	1.44	0.26	1.00	0.01
2.14	100.90	1.43	0.26	1.00	0.01	2.16	100.03	1.41	0.28	1.00	0.01
2.18	97.63	1.36	0.32	1.00	0.01	2.20	96.21	1.33	0.34	1.00	0.01
2.22	96.03	1.32	0.35	1.00	0.01	2.24	95.77	1.31	0.36	1.00	0.01
2.26	95.39	1.30	0.37	1.00	0.01	2.28	95.31	1.30	0.38	1.00	0.01
2.30	96.11	1.30	0.38	1.00	0.01	2.32	98.18	1.33	0.35	1.00	0.01
2.34	98.97	1.34	0.35	1.00	0.01	2.36	97.96	1.31	0.37	1.00	0.01
2.38	98.61	1.32	0.37	1.00	0.01	2.40	99.26	1.33	0.37	1.00	0.01
2.42	100.75	1.35	0.35	1.00	0.01	2.44	106.98	1.46	0.26	1.00	0.01
2.46	112.76	1.58	0.19	1.00	0.00	2.48	118.82	1.73	0.11	1.00	0.00
2.50	119.57	1.75	0.10	1.00	0.00	2.52	118.71	1.71	0.12	1.00	0.00
2.54	118.82	1.71	0.12	1.00	0.00	2.56	118.93	1.71	0.12	1.00	0.00
2.58	119.36	1.71	0.12	1.00	0.00	2.60	122.45	1.80	0.08	1.00	0.00
2.62	126.27	1.93	0.03	1.00	0.00	2.64	126.72	1.94	0.02	1.00	0.00
2.66	125.00	1.87	0.05	1.00	0.00	2.68	121.18	1.74	0.11	1.00	0.00
2.70	116.92	1.61	0.17	1.00	0.00	2.72	109.11	1.43	0.29	1.00	0.01
2.74	103.68	1.32	0.39	1.00	0.01	2.76	100.38	1.26	0.46	1.00	0.01
2.78	99.13	1.24	0.49	1.00	0.01	2.80	97.17	1.21	0.54	1.00	0.01
2.82	95.61	1.18	0.59	1.00	0.01	2.84	94.77	1.17	0.62	1.00	0.01
2.86	94.32	1.16	0.64	1.00	0.01	2.88	94.35	1.15	0.65	1.00	0.01
2.90	93.34	1.14	0.69	1.00	0.01	2.92	92.60	1.12	0.73	1.00	0.01
2.94	91.34	1.11	0.79	1.00	0.02	2.96	90.87	1.10	0.83	1.00	0.02
2.98	90.70	1.09	0.85	1.00	0.02	3.00	90.67	1.09	0.86	1.00	0.02
3.02	91.00	1.09	0.86	1.00	0.02	3.04	94.33	1.13	0.73	1.00	0.01
3.06	98.53	1.18	0.60	1.00	0.01	3.08	102.53	1.24	0.50	1.00	0.01
3.10	106.09	1.30	0.43	1.00	0.01	3.12	107.09	1.31	0.41	1.00	0.01
3.14	104.03	1.26	0.48	1.00	0.01	3.16	102.81	1.23	0.52	1.00	0.01
3.18	102.65	1.23	0.53	1.00	0.01	3.20	101.29	1.21	0.57	1.00	0.01
3.22	98.79	1.17	0.65	1.00	0.01	3.24	97.91	1.15	0.68	1.00	0.01
3.26	97.14	1.14	0.72	1.00	0.01	3.28	96.15	1.12	0.76	1.00	0.02
3.30	94.15	1.09	0.86	1.00	0.02	3.32	92.92	1.08	0.94	1.00	0.02
3.34	92.27	1.06	0.99	1.00	0.02	3.36	91.45	1.05	1.07	1.00	0.02
3.38	91.61	1.05	1.07	1.00	0.02	3.40	92.32	1.06	1.03	1.00	0.02
3.42	92.46	1.06	1.03	1.00	0.02	3.44	92.46	1.06	1.05	1.00	0.02
3.46	92.44	1.05	1.06	1.00	0.02	3.48	92.50	1.05	1.07	1.00	0.02
3.50	92.53	1.05	1.08	1.00	0.02	3.52	91.17	1.03	1.22	1.00	0.02
3.54	90.62	1.02	1.29	1.00	0.03	3.56	92.33	1.04	1.14	1.00	0.02
3.59	94.10	1.06	1.02	1.00	0.03	3.60	94.91	1.07	0.98	1.00	0.01
3.62	95.85	1.08	0.93	1.00	0.02	3.64	95.69	1.08	0.95	1.00	0.02
3.66	95.31	1.07	0.98	1.00	0.02	3.68	94.71	1.06	1.03	1.00	0.02
3.70	94.48	1.05	1.06	1.00	0.02	3.72	94.18	1.05	1.09	1.00	0.02
3.74	94.05	1.05	1.12	1.00	0.02	3.76	93.95	1.04	1.13	1.00	0.02
3.78	93.71	1.04	1.17	1.00	0.02	3.80	93.33	1.03	1.22	1.00	0.02
3.82	92.85	1.02	1.28	1.00	0.03	3.84	92.43	1.02	1.34	1.00	0.03
3.86	90.34	0.99	1.66	1.00	0.03	3.88	87.90	0.97	2.32	1.00	0.05
3.90	84.86	0.93	3.79	1.00	0.08	3.92	86.03	0.94	3.53	1.00	0.07
3.94	88.53	0.97	2.22	1.00	0.04	3.96	89.97	0.98	1.86	1.00	0.04
3.98	92.01	1.00	1.50	1.00	0.03	4.00	92.82	1.01	1.41	1.00	0.03
4.02	93.08	1.01	1.39	1.00	0.03	4.04	93.46	1.01	1.36	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.06	94.44	1.02	1.27	1.00	0.03	4.08	94.68	1.03	1.25	1.00	0.03
4.10	95.00	1.03	1.23	1.00	0.02	4.12	95.80	1.04	1.17	1.00	0.02
4.14	96.15	1.04	1.15	1.00	0.02	4.16	96.50	1.04	1.13	1.00	0.02
4.18	97.56	1.05	1.06	1.00	0.02	4.20	98.77	1.07	0.98	1.00	0.02
4.22	98.66	1.07	1.00	1.00	0.02	4.24	97.77	1.05	1.06	1.00	0.02
4.26	96.55	1.04	1.16	1.00	0.02	4.28	96.40	1.03	1.19	1.00	0.02
4.30	97.45	1.05	1.11	1.00	0.02	4.32	98.29	1.05	1.05	1.00	0.02
4.34	98.45	1.06	1.05	1.00	0.02	4.36	97.56	1.04	1.12	1.00	0.02
4.38	96.72	1.03	1.20	1.00	0.02	4.40	95.32	1.01	1.35	1.00	0.03
4.42	94.05	1.00	1.53	1.00	0.03	4.44	92.92	0.98	1.73	1.00	0.03
4.46	92.05	0.97	1.93	1.00	0.04	4.48	91.50	0.97	2.09	1.00	0.04
4.50	90.72	0.96	2.37	1.00	0.05	4.52	90.30	0.95	2.57	1.00	0.05
4.54	89.58	0.94	2.97	1.00	0.06	4.56	88.92	0.93	3.49	1.00	0.07
4.58	87.79	0.92	3.66	1.00	0.07	4.60	87.92	0.92	3.66	1.00	0.07
4.62	88.35	0.93	3.64	1.00	0.07	4.64	88.46	0.93	3.63	1.00	0.07
4.66	88.45	0.92	3.64	1.00	0.07	4.68	88.45	0.92	3.63	1.00	0.07
4.70	89.35	0.93	3.56	1.00	0.07	4.72	90.68	0.94	2.75	1.00	0.05
4.74	91.66	0.95	2.37	1.00	0.05	4.76	92.25	0.96	2.19	1.00	0.04
4.78	93.08	0.97	1.99	1.00	0.04	4.80	94.25	0.98	1.75	1.00	0.03
4.82	94.94	0.99	1.64	1.00	0.03	4.84	94.46	0.98	1.74	1.00	0.03
4.86	93.15	0.96	2.04	1.00	0.04	4.88	93.05	0.96	2.08	1.00	0.04
4.90	82.44	0.86	3.89	1.00	0.08	4.92	82.38	0.86	3.90	1.00	0.08
4.94	81.07	0.84	3.96	1.00	0.08	4.96	82.66	0.86	3.88	1.00	0.08
4.98	83.11	0.86	3.86	1.00	0.08	5.00	82.99	0.86	3.87	1.00	0.08
5.02	82.98	0.86	3.87	1.00	0.08	5.04	82.90	0.86	3.87	1.00	0.08
5.06	83.01	0.86	3.87	1.00	0.08	5.08	82.71	0.85	3.88	1.00	0.08
5.10	80.87	0.84	3.97	1.00	0.08	5.12	76.90	0.80	4.16	1.00	0.08
5.14	72.83	0.77	4.38	1.00	0.09	5.16	70.67	0.76	4.51	1.00	0.09
5.19	69.75	0.75	4.56	1.00	0.14	5.20	69.87	0.75	4.56	1.00	0.05
5.22	70.24	0.75	4.53	1.00	0.09	5.24	71.18	0.76	4.48	1.00	0.09
5.26	71.28	0.76	4.47	1.00	0.09	5.28	71.15	0.76	4.48	1.00	0.09
5.30	71.26	0.76	4.47	1.00	0.09	5.32	71.37	0.76	4.47	1.00	0.09
5.34	71.66	0.76	4.45	1.00	0.09	5.36	73.78	0.77	4.33	1.00	0.09
5.38	78.94	0.81	4.06	1.00	0.08	5.40	87.28	0.88	3.68	1.00	0.07
5.42	93.52	0.95	2.42	1.00	0.05	5.44	101.32	1.04	1.14	1.00	0.02
5.46	106.75	1.12	0.81	1.00	0.02	5.48	108.54	1.14	0.74	1.00	0.01
5.50	105.19	1.09	0.89	1.00	0.02	5.52	101.48	1.04	1.14	1.00	0.02
5.54	99.17	1.01	1.36	1.00	0.03	5.56	99.51	1.01	1.32	1.00	0.03
5.58	98.41	1.00	1.46	1.00	0.03	5.60	96.12	0.97	1.83	1.00	0.04
5.62	90.36	0.91	3.56	1.00	0.07	5.64	87.04	0.87	3.69	1.00	0.07
5.66	86.96	0.87	3.70	1.00	0.07	5.68	86.88	0.87	3.70	1.00	0.07
5.70	86.89	0.87	3.70	1.00	0.07	5.72	87.00	0.87	3.69	1.00	0.07
5.74	88.15	0.88	3.65	1.00	0.07	5.76	89.41	0.89	3.60	1.00	0.07
5.78	90.27	0.90	3.56	1.00	0.07	5.80	91.49	0.91	3.51	1.00	0.07
5.82	91.68	0.92	3.51	1.00	0.07	5.84	89.81	0.90	3.58	1.00	0.07
5.86	86.22	0.86	3.73	1.00	0.07	5.88	83.57	0.84	3.84	1.00	0.08
5.90	80.88	0.81	3.97	1.00	0.08	5.92	76.39	0.78	4.19	1.00	0.08
5.94	72.13	0.75	4.42	1.00	0.09	5.96	75.35	0.77	4.25	1.00	0.08
5.98	77.39	0.79	4.14	1.00	0.08	6.00	78.22	0.79	4.10	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.02	78.58	0.79	4.08	1.00	0.08	6.04	79.31	0.80	4.04	1.00	0.08
6.06	80.74	0.81	3.97	1.00	0.08	6.08	84.85	0.84	3.79	1.00	0.08
6.10	94.53	0.94	2.50	1.00	0.05	6.12	88.86	0.88	3.62	1.00	0.07
6.14	88.53	0.88	3.63	1.00	0.07	6.16	83.84	0.83	3.83	1.00	0.08
6.18	85.70	0.85	3.75	1.00	0.07	6.20	85.14	0.85	3.77	1.00	0.08
6.22	80.53	0.81	3.98	1.00	0.08	6.24	79.87	0.80	4.02	1.00	0.08
6.26	78.49	0.79	4.08	1.00	0.08	6.28	77.55	0.78	4.13	1.00	0.08
6.30	74.54	0.76	4.29	1.00	0.09	6.32	74.54	0.76	4.29	1.00	0.09
6.34	73.57	0.75	4.34	1.00	0.09	6.36	73.54	0.75	4.34	1.00	0.09
6.38	73.20	0.75	4.36	1.00	0.09	6.40	73.16	0.75	4.36	1.00	0.09
6.42	73.16	0.75	4.37	1.00	0.09	6.44	73.12	0.75	4.37	1.00	0.09
6.46	73.50	0.75	4.35	1.00	0.09	6.48	74.27	0.76	4.30	1.00	0.09
6.50	74.53	0.76	4.29	1.00	0.09	6.52	74.52	0.76	4.29	1.00	0.09
6.54	74.49	0.76	4.29	1.00	0.09	6.56	74.31	0.75	4.30	1.00	0.09
6.58	74.44	0.76	4.29	1.00	0.09	6.60	74.25	0.75	4.30	1.00	0.09
6.62	74.26	0.75	4.30	1.00	0.09	6.64	74.46	0.75	4.29	1.00	0.09
6.66	73.34	0.75	4.36	1.00	0.09	6.68	73.38	0.75	4.35	1.00	0.09
6.70	74.50	0.75	4.29	1.00	0.09	6.72	74.51	0.75	4.29	1.00	0.09
6.74	74.49	0.75	4.29	1.00	0.09	6.76	74.47	0.75	4.29	1.00	0.09
6.78	74.23	0.75	4.31	1.00	0.09	6.80	70.82	0.73	4.50	1.00	0.09
6.82	75.35	0.76	4.25	1.00	0.08	6.84	86.65	0.85	3.71	1.00	0.07
6.86	92.19	0.90	3.49	1.00	0.07	6.88	94.10	0.92	3.10	1.00	0.06
6.90	93.46	0.92	3.44	1.00	0.07	6.92	86.55	0.85	3.71	1.00	0.07
6.94	81.12	0.80	3.96	1.00	0.08	6.96	79.79	0.79	4.02	1.00	0.08
6.98	79.74	0.79	4.02	1.00	0.08	7.00	79.70	0.79	4.02	1.00	0.08
7.02	80.24	0.79	4.00	1.00	0.08	7.04	81.46	0.80	3.94	1.00	0.08
7.06	82.08	0.81	3.91	1.00	0.08	7.08	80.32	0.79	3.99	1.00	0.08
7.10	80.75	0.80	3.97	1.00	0.08	7.12	80.51	0.80	3.98	1.00	0.08
7.14	79.78	0.79	4.02	1.00	0.08	7.16	78.99	0.78	4.06	1.00	0.08
7.18	78.61	0.78	4.08	1.00	0.08	7.20	78.48	0.78	4.08	1.00	0.08
7.22	78.63	0.78	4.08	1.00	0.08	7.24	78.80	0.78	4.07	1.00	0.08
7.26	79.22	0.78	4.05	1.00	0.08	7.28	81.16	0.80	3.95	1.00	0.08
7.30	82.79	0.81	3.88	1.00	0.08	7.32	87.79	0.86	3.66	1.00	0.07
7.34	95.83	0.94	2.43	1.00	0.05	7.36	103.10	1.03	1.19	1.00	0.02
7.38	109.76	1.12	0.79	1.00	0.02	7.40	115.13	1.22	0.58	1.00	0.01
7.42	117.30	1.26	0.51	1.00	0.01	7.44	117.23	1.26	0.51	1.00	0.01
7.46	115.13	1.22	0.58	1.00	0.01	7.48	115.03	1.22	0.58	1.00	0.01
7.50	99.83	0.98	1.56	1.00	0.03	7.52	95.37	0.93	2.62	1.00	0.05
7.54	95.03	0.93	2.76	1.00	0.06	7.56	94.84	0.93	2.85	1.00	0.06
7.58	94.85	0.93	2.85	1.00	0.06	7.60	94.85	0.93	2.86	1.00	0.06
7.62	96.15	0.94	2.34	1.00	0.05	7.64	95.44	0.93	2.60	1.00	0.05
7.66	93.74	0.91	3.43	1.00	0.07	7.68	93.52	0.91	3.44	1.00	0.07
7.70	93.40	0.91	3.44	1.00	0.07	7.72	93.38	0.91	3.44	1.00	0.07
7.74	93.35	0.91	3.44	1.00	0.07	7.76	94.65	0.92	2.97	1.00	0.06
7.78	93.97	0.92	3.38	1.00	0.07	7.80	90.50	0.88	3.55	1.00	0.07
7.82	82.53	0.81	3.89	1.00	0.08	7.84	77.32	0.77	4.14	1.00	0.08
7.86	80.43	0.79	3.99	1.00	0.08	7.88	79.26	0.78	4.05	1.00	0.08
7.90	78.79	0.78	4.07	1.00	0.08	7.92	78.89	0.78	4.06	1.00	0.08
7.94	77.56	0.77	4.13	1.00	0.08	7.96	76.85	0.77	4.17	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.98	73.51	0.74	4.35	1.00	0.09	8.00	73.45	0.74	4.35	1.00	0.09
8.02	73.10	0.74	4.37	1.00	0.09	8.04	73.91	0.74	4.32	1.00	0.09
8.06	76.53	0.76	4.18	1.00	0.08	8.08	79.21	0.78	4.05	1.00	0.08
8.10	81.51	0.80	3.94	1.00	0.08	8.12	90.09	0.88	3.57	1.00	0.07
8.14	94.38	0.92	3.12	1.00	0.06	8.16	96.97	0.95	2.11	1.00	0.04
8.18	100.28	0.99	1.50	1.00	0.03	8.20	105.46	1.06	1.02	1.00	0.02
8.22	109.45	1.12	0.80	1.00	0.02	8.24	113.63	1.19	0.63	1.00	0.01
8.26	118.60	1.29	0.48	1.00	0.01	8.28	123.04	1.39	0.36	1.00	0.01
8.30	122.47	1.38	0.37	1.00	0.01	8.32	121.36	1.35	0.40	1.00	0.01
8.34	120.81	1.34	0.42	1.00	0.01	8.36	120.63	1.33	0.42	1.00	0.01
8.38	120.45	1.33	0.42	1.00	0.01	8.40	120.99	1.34	0.41	1.00	0.01
8.42	119.66	1.31	0.45	1.00	0.01	8.44	115.35	1.22	0.57	1.00	0.01
8.46	111.46	1.15	0.71	1.00	0.01	8.48	110.74	1.14	0.74	1.00	0.01
8.50	110.11	1.13	0.77	1.00	0.02	8.52	109.75	1.13	0.78	1.00	0.02
8.54	109.60	1.12	0.79	1.00	0.02	8.56	110.01	1.13	0.77	1.00	0.02
8.58	110.43	1.14	0.75	1.00	0.02	8.60	112.59	1.17	0.67	1.00	0.01
8.62	116.01	1.24	0.55	1.00	0.01	8.64	117.14	1.26	0.51	1.00	0.01
8.66	117.14	1.26	0.51	1.00	0.01	8.68	118.61	1.29	0.47	1.00	0.01
8.70	119.18	1.30	0.46	1.00	0.01	8.72	118.46	1.29	0.47	1.00	0.01
8.74	113.73	1.20	0.62	1.00	0.01	8.76	108.62	1.11	0.83	1.00	0.02
8.78	97.11	0.95	2.02	1.00	0.04	8.80	84.50	0.83	3.80	1.00	0.08
8.82	82.96	0.82	3.87	1.00	0.08	8.84	82.77	0.81	3.88	1.00	0.08
8.86	82.87	0.82	3.87	1.00	0.08	8.88	82.97	0.82	3.87	1.00	0.08
8.90	84.00	0.83	3.82	1.00	0.08	8.92	84.94	0.83	3.78	1.00	0.08
8.94	85.55	0.84	3.76	1.00	0.08	8.96	87.09	0.85	3.69	1.00	0.07
8.98	89.25	0.87	3.60	1.00	0.07	9.00	92.37	0.90	3.48	1.00	0.07
9.02	97.58	0.96	1.89	1.00	0.04	9.04	99.47	0.98	1.56	1.00	0.03
9.06	99.67	0.99	1.53	1.00	0.03	9.08	96.97	0.95	2.02	1.00	0.04
9.10	96.03	0.94	2.27	1.00	0.05	9.12	95.67	0.94	2.38	1.00	0.05
9.14	95.31	0.94	2.50	1.00	0.05	9.16	95.85	0.94	2.31	1.00	0.05
9.18	95.11	0.93	2.57	1.00	0.05	9.20	92.39	0.91	3.48	1.00	0.07
9.22	86.80	0.85	3.70	1.00	0.07	9.24	81.87	0.81	3.92	1.00	0.08
9.26	81.24	0.81	3.95	1.00	0.08	9.28	80.71	0.80	3.97	1.00	0.08
9.30	82.01	0.81	3.91	1.00	0.08	9.32	80.55	0.80	3.98	1.00	0.08
9.34	76.19	0.77	4.20	1.00	0.08	9.36	73.73	0.75	4.33	1.00	0.09
9.38	73.36	0.75	4.35	1.00	0.09	9.40	72.90	0.74	4.38	1.00	0.09
9.42	73.50	0.75	4.35	1.00	0.09	9.44	75.20	0.76	4.25	1.00	0.08
9.46	75.74	0.76	4.22	1.00	0.08	9.48	76.04	0.77	4.21	1.00	0.08
9.50	76.34	0.77	4.19	1.00	0.08	9.52	75.85	0.77	4.22	1.00	0.08
9.54	77.83	0.78	4.12	1.00	0.08	9.56	80.83	0.80	3.97	1.00	0.08
9.58	82.66	0.82	3.88	1.00	0.08	9.60	82.65	0.82	3.88	1.00	0.08
9.62	81.99	0.81	3.91	1.00	0.08	9.64	82.05	0.81	3.91	1.00	0.08
9.66	82.04	0.81	3.91	1.00	0.08	9.68	82.26	0.82	3.90	1.00	0.08
9.70	82.47	0.82	3.89	1.00	0.08	9.72	82.52	0.82	3.89	1.00	0.08
9.74	82.56	0.82	3.89	1.00	0.08	9.76	82.72	0.82	3.88	1.00	0.08
9.78	83.58	0.83	3.84	1.00	0.08	9.80	85.36	0.84	3.76	1.00	0.08
9.82	83.21	0.83	3.86	1.00	0.08	9.84	82.23	0.82	3.90	1.00	0.08
9.86	82.36	0.82	3.90	1.00	0.08	9.88	82.48	0.82	3.89	1.00	0.08
9.90	82.48	0.82	3.89	1.00	0.08	9.92	82.34	0.82	3.90	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.94	82.12	0.82	3.91	1.00	0.08	9.96	82.02	0.82	3.91	1.00	0.08
9.98	82.37	0.82	3.90	1.00	0.08	10.00	81.56	0.81	3.94	1.00	0.08
10.02	81.91	0.82	3.92	1.00	0.08	10.04	81.27	0.81	3.95	1.00	0.08
10.06	80.80	0.81	3.97	1.00	0.08	10.08	80.71	0.81	3.98	1.00	0.08
10.10	80.50	0.81	3.98	1.00	0.08	10.12	80.59	0.81	3.98	1.00	0.08
10.14	80.98	0.81	3.96	1.00	0.08	10.16	80.50	0.81	3.98	1.00	0.08
10.18	78.66	0.79	4.07	1.00	0.08	10.20	77.86	0.79	4.11	1.00	0.08
10.22	77.65	0.78	4.13	1.00	0.08	10.24	77.56	0.78	4.13	1.00	0.08
10.26	76.57	0.78	4.18	1.00	0.08	10.28	76.66	0.78	4.18	1.00	0.08
10.30	78.23	0.79	4.10	1.00	0.08	10.32	79.80	0.80	4.02	1.00	0.08
10.34	80.91	0.81	3.97	1.00	0.08	10.36	81.65	0.82	3.93	1.00	0.08
10.38	82.13	0.82	3.91	1.00	0.08	10.40	83.03	0.83	3.87	1.00	0.08
10.42	82.88	0.83	3.87	1.00	0.08	10.44	83.15	0.83	3.86	1.00	0.08
10.46	83.19	0.83	3.86	1.00	0.08	10.48	83.20	0.83	3.86	1.00	0.08
10.50	83.20	0.83	3.86	1.00	0.08	10.52	83.23	0.83	3.86	1.00	0.08
10.54	83.22	0.83	3.86	1.00	0.08	10.56	82.79	0.83	3.88	1.00	0.08
10.58	82.28	0.83	3.90	1.00	0.08	10.60	80.91	0.81	3.97	1.00	0.08
10.62	80.66	0.81	3.98	1.00	0.08	10.64	78.32	0.79	4.09	1.00	0.08
10.66	79.03	0.80	4.06	1.00	0.08	10.68	81.58	0.82	3.93	1.00	0.08
10.70	83.30	0.83	3.86	1.00	0.08	10.72	82.96	0.83	3.87	1.00	0.08
10.74	82.96	0.83	3.87	1.00	0.08	10.76	82.56	0.83	3.89	1.00	0.08
10.77	82.49	0.83	3.89	1.00	0.08	10.79	82.40	0.83	3.90	1.00	0.08
10.81	82.12	0.83	3.91	1.00	0.08	10.83	82.09	0.83	3.91	1.00	0.08
10.85	82.09	0.83	3.91	1.00	0.08	10.87	82.02	0.83	3.91	1.00	0.08
10.89	81.86	0.82	3.92	1.00	0.08	10.91	82.05	0.83	3.91	1.00	0.08
10.93	82.58	0.83	3.89	1.00	0.08	10.95	82.58	0.83	3.89	1.00	0.08
10.97	82.77	0.83	3.88	1.00	0.08	10.99	83.12	0.84	3.86	1.00	0.08
11.01	83.14	0.84	3.86	1.00	0.08	11.03	83.21	0.84	3.86	1.00	0.08
11.05	83.41	0.84	3.85	1.00	0.08	11.07	83.67	0.84	3.84	1.00	0.08
11.09	84.14	0.85	3.82	1.00	0.08	11.11	84.74	0.85	3.79	1.00	0.08
11.13	85.36	0.86	3.76	1.00	0.08	11.15	85.86	0.86	3.74	1.00	0.07
11.17	83.77	0.84	3.83	1.00	0.08	11.19	80.96	0.82	3.96	1.00	0.08
11.21	75.94	0.78	4.21	1.00	0.08	11.23	74.26	0.77	4.30	1.00	0.09
11.25	75.69	0.78	4.23	1.00	0.08	11.27	74.54	0.77	4.29	1.00	0.09
11.29	73.57	0.77	4.34	1.00	0.09	11.31	73.19	0.76	4.36	1.00	0.09
11.33	74.22	0.77	4.31	1.00	0.09	11.35	74.70	0.78	4.28	1.00	0.09
11.37	75.66	0.78	4.23	1.00	0.08	11.39	77.65	0.80	4.13	1.00	0.08
11.41	81.34	0.83	3.95	1.00	0.08	11.43	83.14	0.84	3.86	1.00	0.08
11.45	85.40	0.86	3.76	1.00	0.08	11.47	88.28	0.89	3.64	1.00	0.07
11.49	91.27	0.92	3.52	1.00	0.07	11.51	92.17	0.93	3.07	1.00	0.06
11.53	92.96	0.94	2.65	1.00	0.05	11.55	92.77	0.94	2.73	1.00	0.05
11.57	90.22	0.91	3.56	1.00	0.07	11.59	88.21	0.89	3.64	1.00	0.07
11.61	87.00	0.88	3.69	1.00	0.07	11.63	85.08	0.86	3.78	1.00	0.08
11.65	84.23	0.86	3.81	1.00	0.08	11.67	80.48	0.82	3.99	1.00	0.08
11.69	77.35	0.80	4.14	1.00	0.08	11.71	74.66	0.78	4.28	1.00	0.09
11.73	71.59	0.76	4.45	1.00	0.09	11.75	69.68	0.75	4.57	1.00	0.09
11.77	77.20	0.80	4.15	1.00	0.08	11.79	68.18	0.74	4.66	1.00	0.09
11.81	69.03	0.74	4.61	1.00	0.09	11.83	69.15	0.74	4.60	1.00	0.09
11.85	69.29	0.74	4.59	1.00	0.09	11.87	69.36	0.75	4.59	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.89	69.25	0.74	4.59	1.00	0.09	11.91	69.89	0.75	4.56	1.00	0.09
11.93	69.87	0.75	4.56	1.00	0.09	11.95	69.80	0.75	4.56	1.00	0.09
11.97	69.08	0.74	4.61	1.00	0.09	11.99	69.06	0.74	4.61	1.00	0.09
12.01	69.78	0.75	4.56	1.00	0.09	12.03	74.56	0.78	4.29	1.00	0.09
12.05	80.61	0.83	3.98	1.00	0.08	12.07	86.09	0.88	3.73	1.00	0.07
12.09	89.53	0.91	3.59	1.00	0.07	12.11	91.40	0.93	3.07	1.00	0.06
12.13	91.89	0.94	2.78	1.00	0.06	12.15	90.61	0.93	3.55	1.00	0.07
12.17	89.56	0.92	3.59	1.00	0.07	12.19	89.28	0.91	3.60	1.00	0.07
12.21	89.11	0.91	3.61	1.00	0.07	12.23	88.94	0.91	3.62	1.00	0.07
12.25	89.36	0.92	3.60	1.00	0.07	12.27	87.09	0.89	3.69	1.00	0.07
12.29	84.30	0.87	3.81	1.00	0.08	12.31	80.51	0.84	3.98	1.00	0.08
12.33	75.01	0.79	4.26	1.00	0.09	12.35	72.90	0.78	4.38	1.00	0.09
12.37	72.13	0.77	4.42	1.00	0.09	12.39	72.04	0.77	4.43	1.00	0.09
12.41	72.06	0.77	4.43	1.00	0.09	12.43	72.20	0.77	4.42	1.00	0.09
12.45	75.34	0.80	4.25	1.00	0.08	12.47	81.24	0.84	3.95	1.00	0.08
12.49	89.59	0.92	3.59	1.00	0.07	12.51	94.86	0.98	1.73	1.00	0.03
12.53	101.28	1.06	1.03	1.00	0.02	12.55	105.84	1.13	0.78	1.00	0.02
12.57	109.66	1.19	0.63	1.00	0.01	12.59	111.58	1.22	0.57	1.00	0.01
12.61	112.73	1.24	0.53	1.00	0.01	12.63	113.46	1.26	0.51	1.00	0.01
12.65	112.74	1.25	0.53	1.00	0.01	12.67	111.72	1.23	0.56	1.00	0.01
12.69	110.19	1.20	0.61	1.00	0.01	12.71	109.99	1.20	0.61	1.00	0.01
12.73	109.91	1.20	0.61	1.00	0.01	12.75	110.48	1.21	0.59	1.00	0.01
12.77	111.05	1.22	0.58	1.00	0.01	12.79	112.26	1.24	0.54	1.00	0.01
12.81	115.19	1.30	0.46	1.00	0.01	12.83	119.01	1.38	0.36	1.00	0.01
12.85	122.36	1.47	0.29	1.00	0.01	12.87	124.01	1.51	0.25	1.00	0.01
12.89	124.99	1.54	0.23	1.00	0.00	12.91	129.67	1.69	0.14	1.00	0.00
12.93	137.38	1.99	0.00	1.00	0.00	12.95	145.33	2.00	0.00	1.00	0.00
12.97	150.73	2.00	0.00	1.00	0.00	12.99	161.42	2.00	0.00	1.00	0.00

Total estimated settlement: 30.07

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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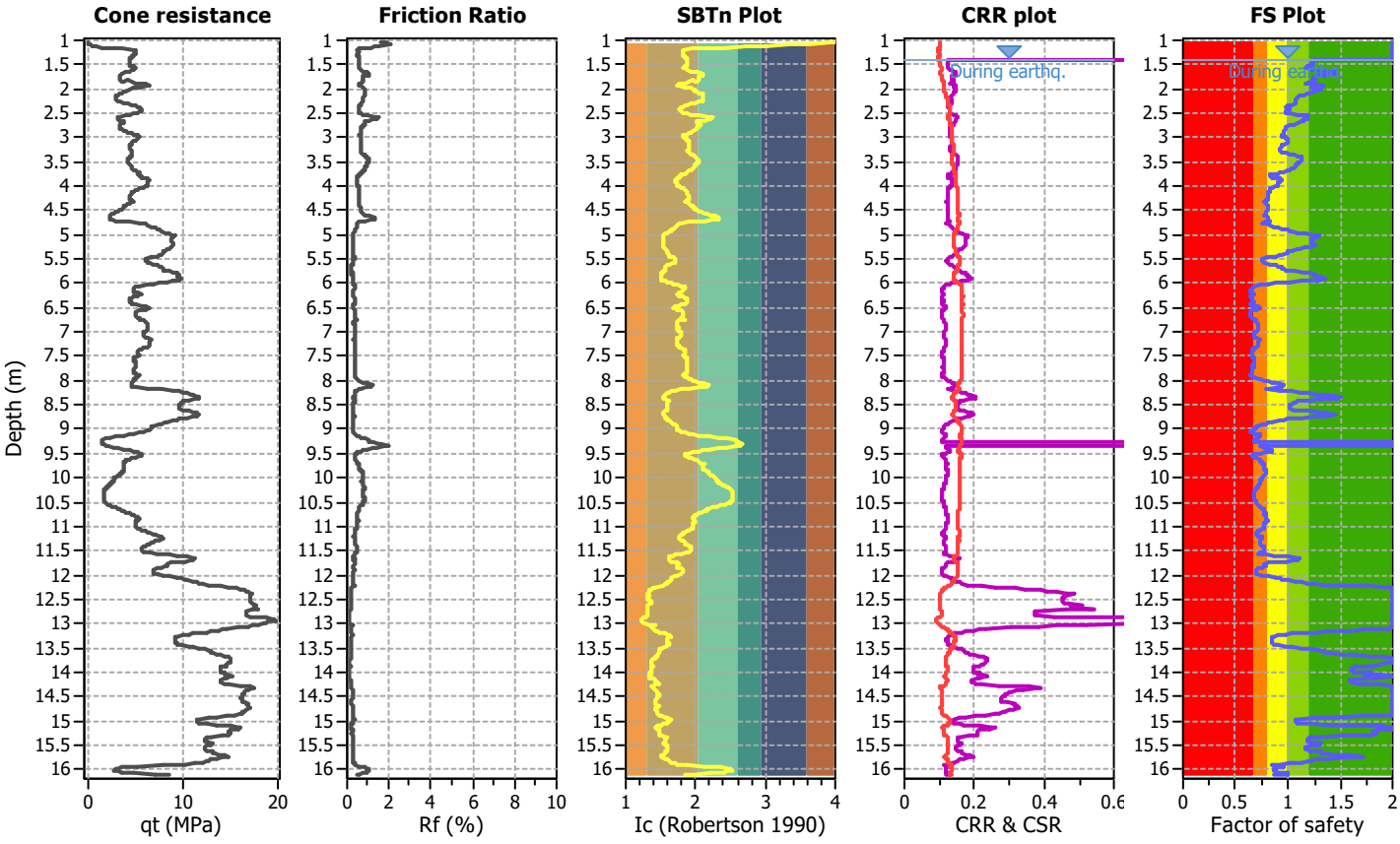
LIQUEFACTION ANALYSIS REPORT

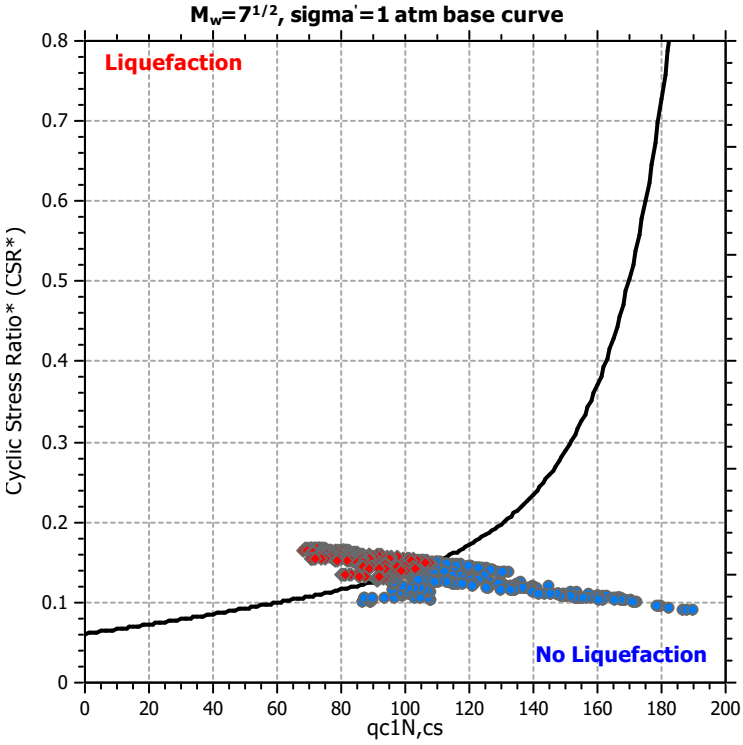
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

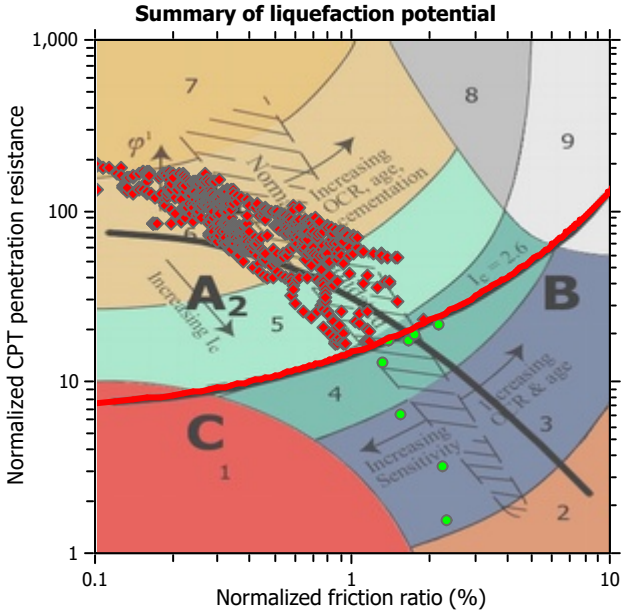
CPT file : P310 - CPTu-16

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.40 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.40 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

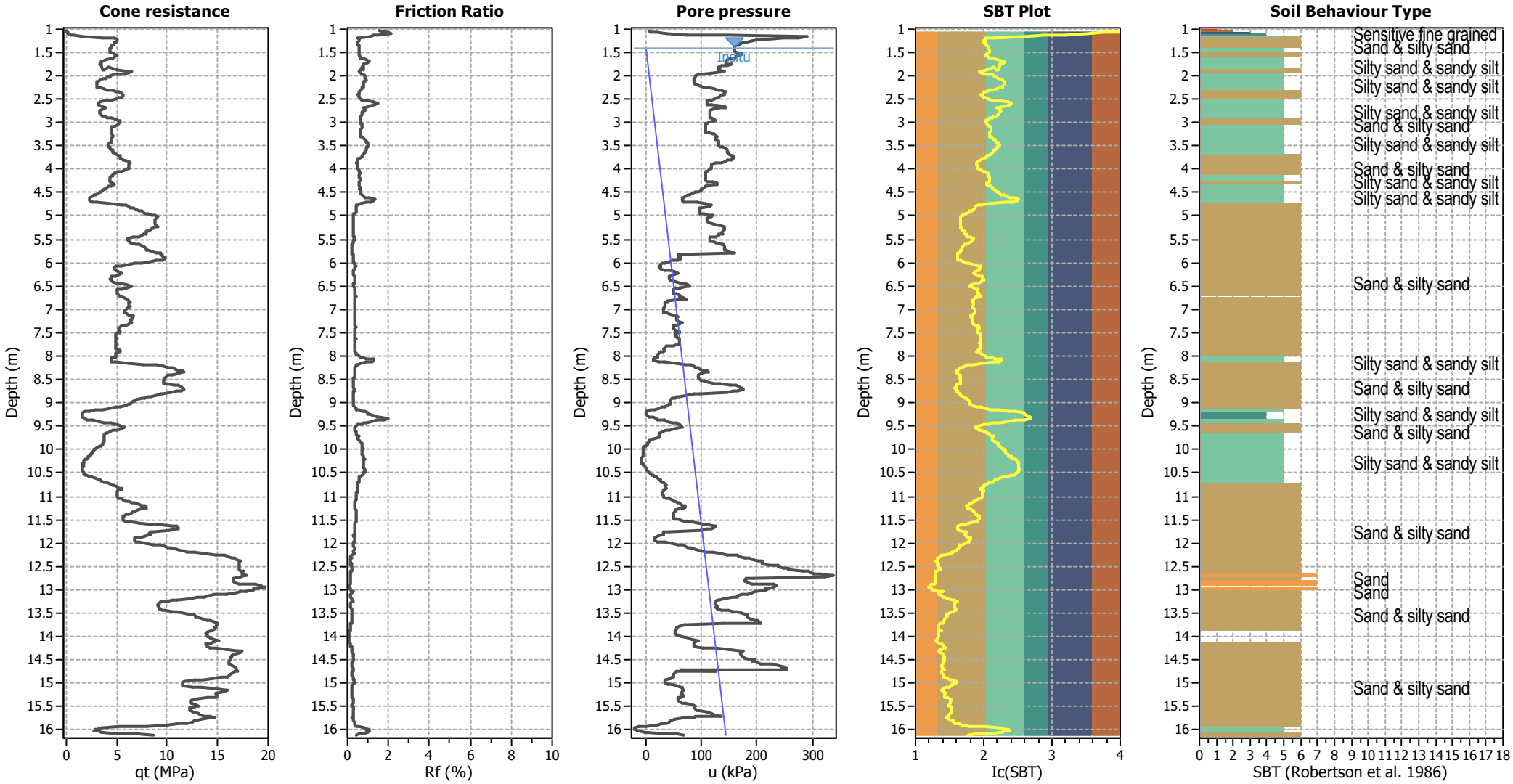






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



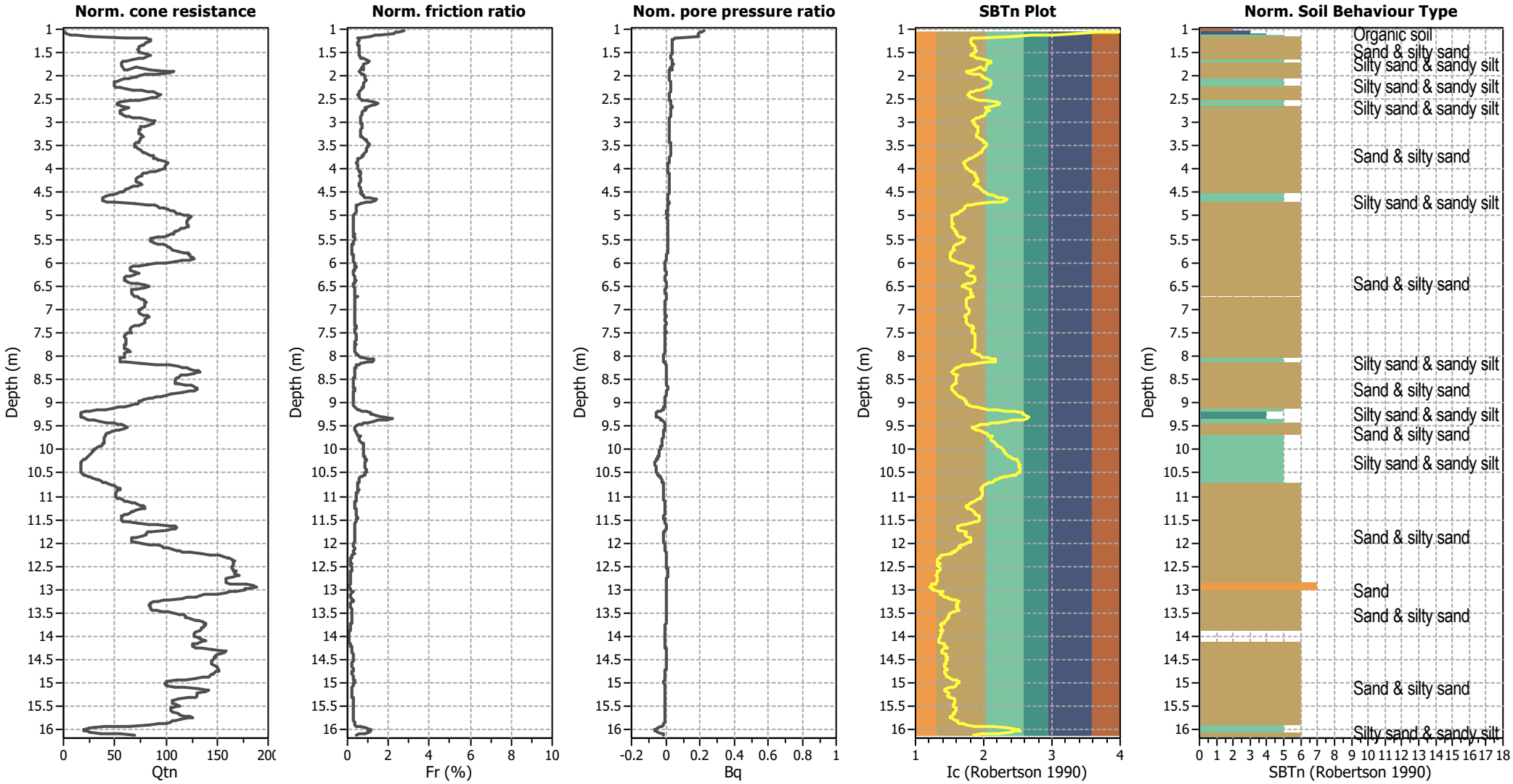
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



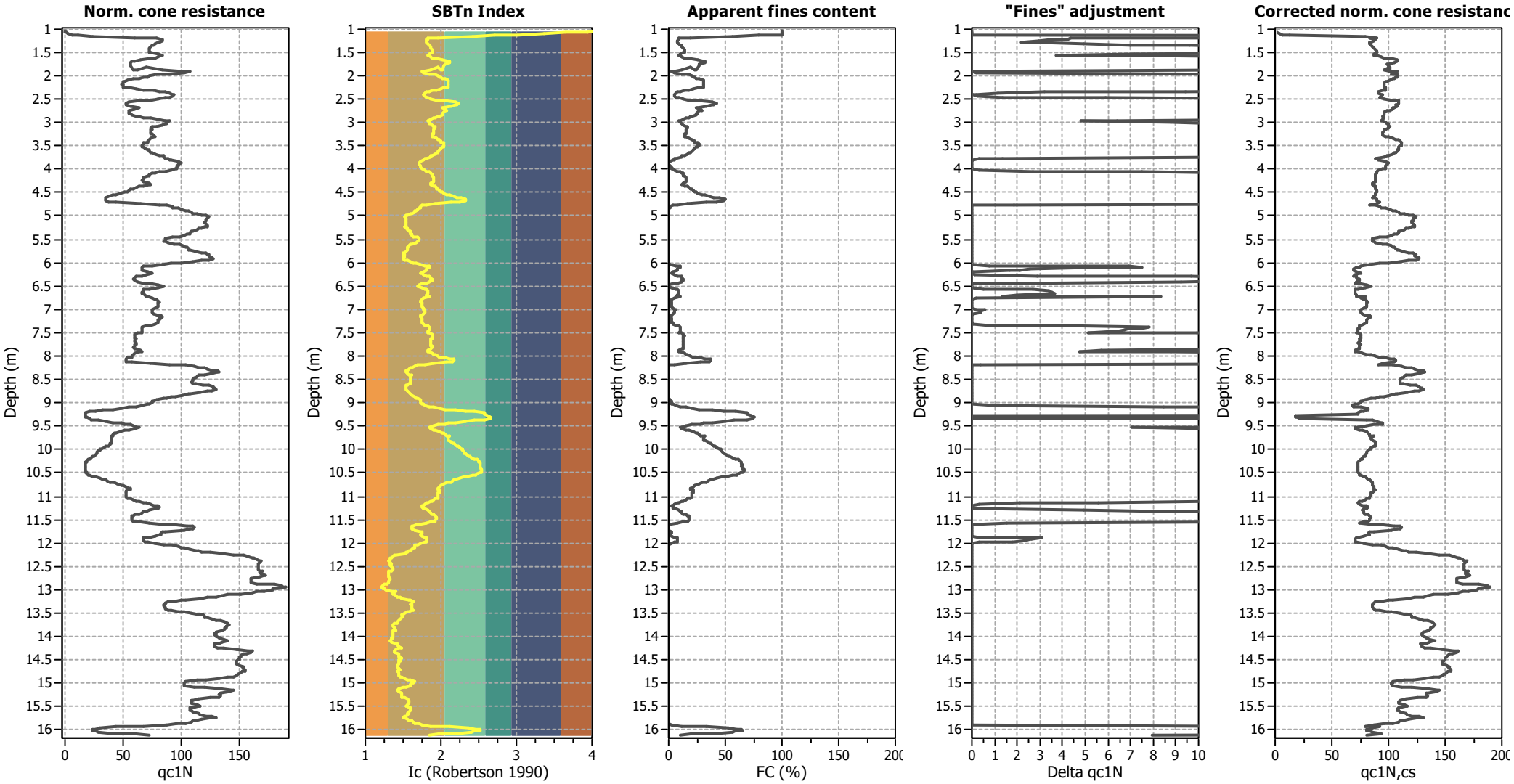
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

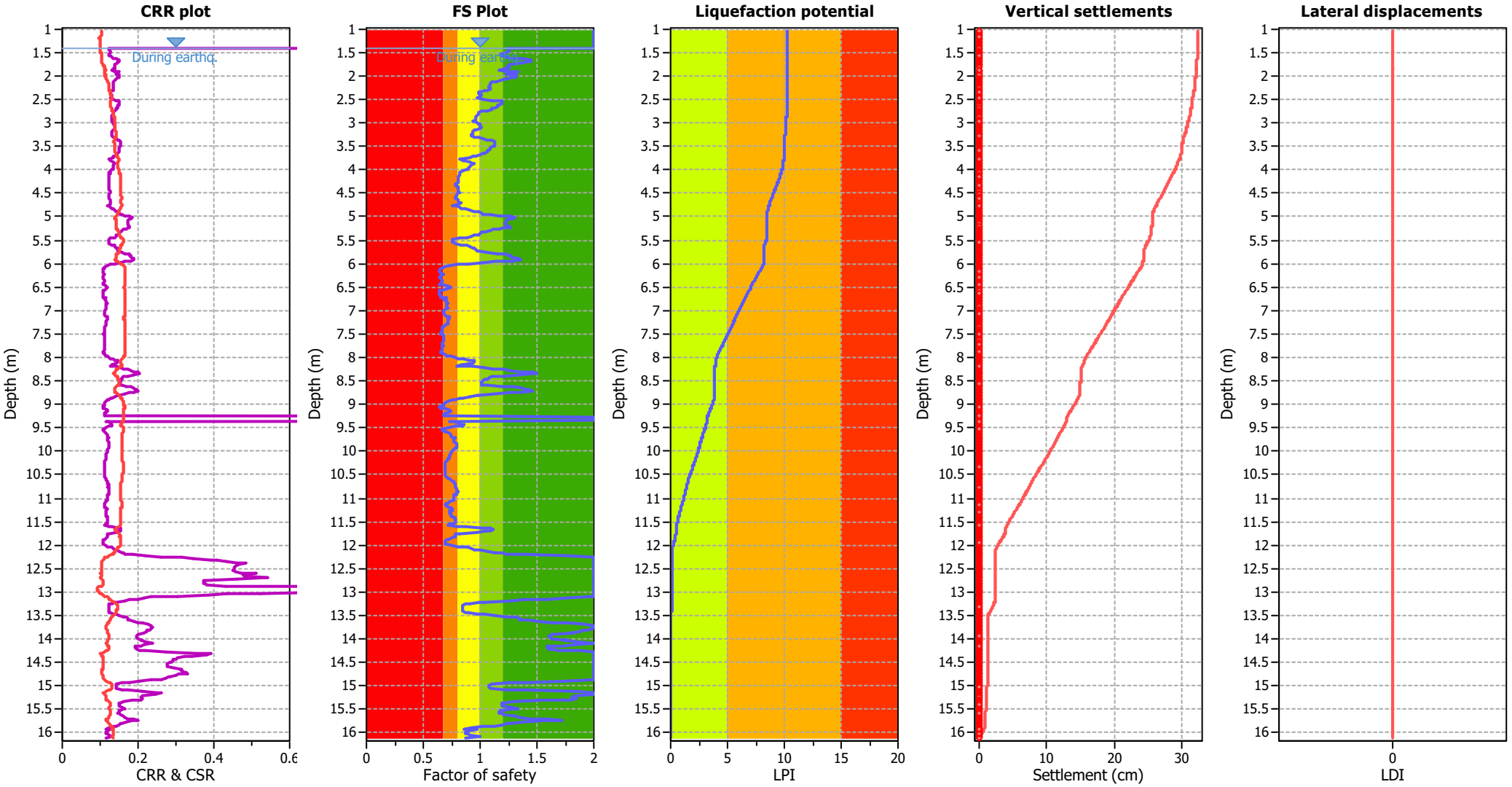
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

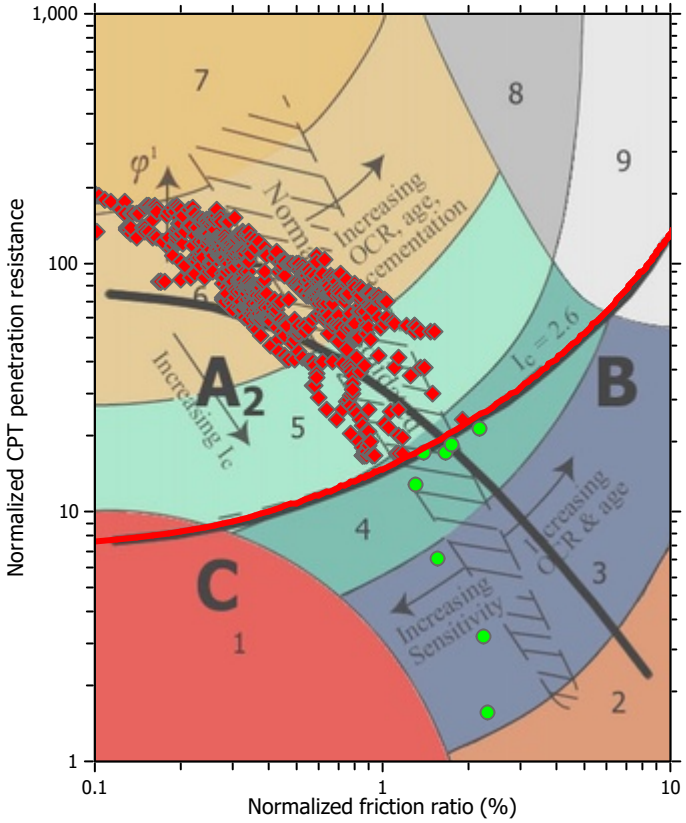
F.S. color scheme

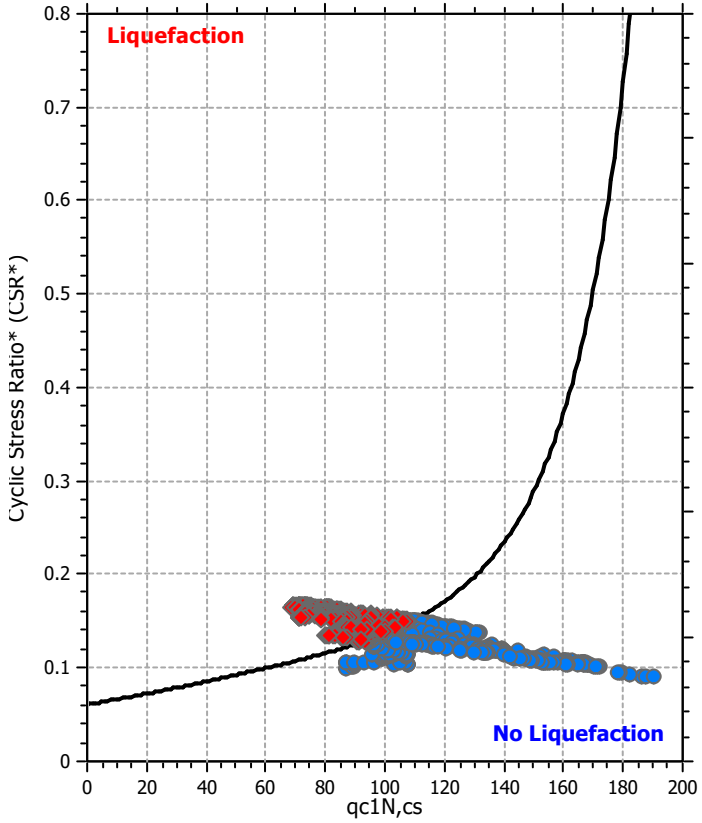
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

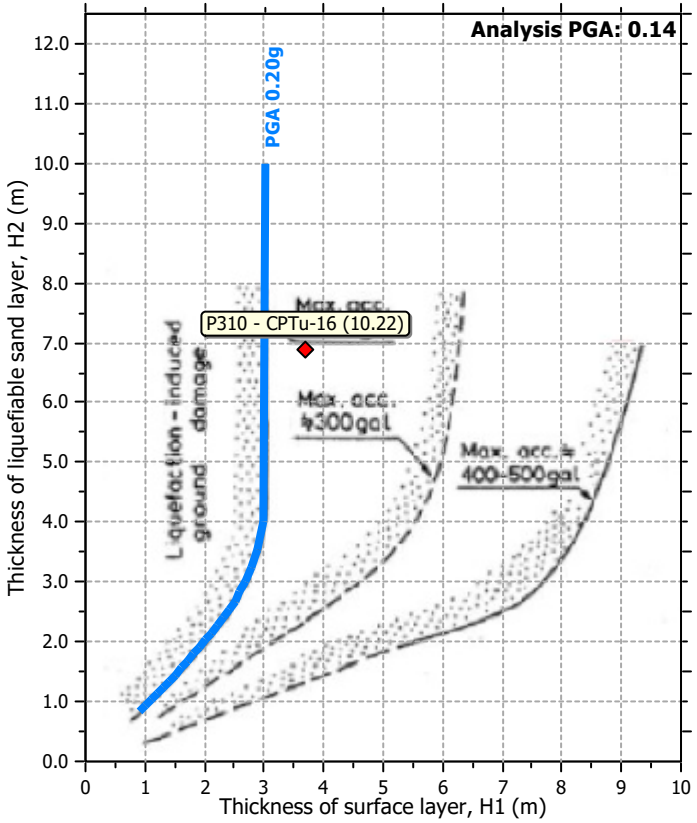
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



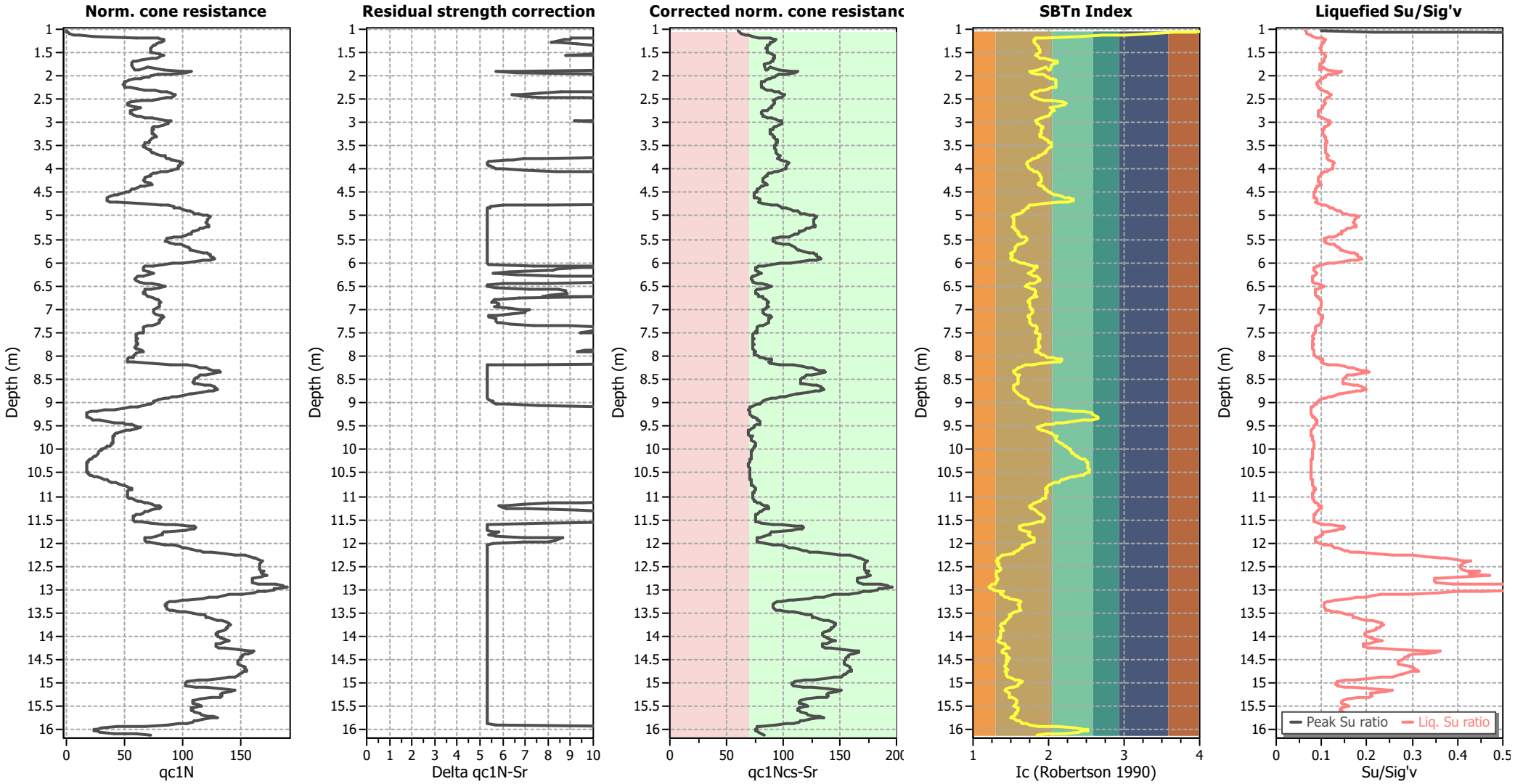




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.40 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.40 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	1.24	0.00	0.00	0.02	0.00
1.44	1.25	0.00	0.00	0.02	0.00	1.46	1.25	0.00	0.00	0.02	0.00
1.48	1.24	0.00	0.00	0.02	0.00	1.50	1.23	0.00	0.00	0.02	0.00
1.52	1.23	0.00	0.00	0.02	0.00	1.54	1.18	0.00	0.00	0.02	0.00
1.56	1.17	0.00	0.00	0.02	0.00	1.58	1.20	0.00	0.00	0.02	0.00
1.60	1.23	0.00	0.00	0.02	0.00	1.62	1.27	0.00	0.00	0.02	0.00
1.64	1.37	0.00	0.00	0.02	0.00	1.66	1.45	0.00	0.00	0.02	0.00
1.68	1.45	0.00	0.00	0.02	0.00	1.70	1.42	0.00	0.00	0.02	0.00
1.72	1.37	0.00	0.00	0.02	0.00	1.74	1.26	0.00	0.00	0.02	0.00
1.76	1.25	0.00	0.00	0.02	0.00	1.78	1.25	0.00	0.00	0.02	0.00
1.80	1.24	0.00	0.00	0.02	0.00	1.87	1.22	0.00	0.00	0.07	0.00
1.87	1.24	0.00	0.00	0.00	0.00	1.82	1.26	0.00	0.00	0.05	0.00
1.88	1.16	0.00	0.00	0.06	0.00	1.90	1.23	0.00	0.00	0.02	0.00
1.92	1.34	0.00	0.00	0.02	0.00	1.94	1.26	0.00	0.00	0.02	0.00
1.96	1.23	0.00	0.00	0.02	0.00	1.98	1.32	0.00	0.00	0.02	0.00
2.00	1.32	0.00	0.00	0.02	0.00	2.02	1.30	0.00	0.00	0.02	0.00
2.04	1.27	0.00	0.00	0.02	0.00	2.06	1.24	0.00	0.00	0.02	0.00
2.08	1.21	0.00	0.00	0.02	0.00	2.10	1.18	0.00	0.00	0.02	0.00
2.12	1.14	0.00	0.00	0.02	0.00	2.14	1.10	0.00	0.00	0.02	0.00
2.16	1.09	0.00	0.00	0.02	0.00	2.18	1.09	0.00	0.00	0.02	0.00
2.20	1.08	0.00	0.00	0.02	0.00	2.22	1.08	0.00	0.00	0.02	0.00
2.24	1.08	0.00	0.00	0.02	0.00	2.26	1.08	0.00	0.00	0.02	0.00
2.28	1.08	0.00	0.00	0.02	0.00	2.30	1.07	0.00	0.00	0.02	0.00
2.32	1.04	0.00	0.00	0.02	0.00	2.34	1.00	0.00	0.00	0.02	0.00
2.36	0.98	0.00	0.00	0.02	0.00	2.38	0.99	0.00	0.00	0.02	0.00
2.40	1.00	0.00	0.00	0.02	0.00	2.42	1.02	0.00	0.00	0.02	0.00
2.44	1.00	0.00	0.00	0.02	0.00	2.46	0.98	0.00	0.00	0.02	0.00
2.48	0.98	0.00	0.00	0.02	0.00	2.50	1.03	0.00	0.00	0.02	0.00
2.52	1.10	0.00	0.00	0.02	0.00	2.54	1.20	0.00	0.00	0.02	0.00
2.56	1.20	0.00	0.00	0.02	0.00	2.58	1.20	0.00	0.00	0.02	0.00
2.60	1.18	0.00	0.00	0.02	0.00	2.62	1.17	0.00	0.00	0.02	0.00
2.64	1.15	0.00	0.00	0.02	0.00	2.66	1.15	0.00	0.00	0.02	0.00
2.68	1.13	0.00	0.00	0.02	0.00	2.70	1.10	0.00	0.00	0.02	0.00
2.72	1.10	0.00	0.00	0.02	0.00	2.74	1.06	0.00	0.00	0.02	0.00
2.76	1.02	0.00	0.00	0.02	0.00	2.78	0.99	0.00	0.00	0.02	0.00
2.80	0.99	0.00	0.00	0.02	0.00	2.82	0.98	0.00	0.00	0.02	0.00
2.84	0.98	0.00	0.00	0.02	0.00	2.86	0.97	0.00	0.00	0.02	0.01
2.88	0.96	0.00	0.00	0.02	0.01	2.90	0.96	0.00	0.00	0.02	0.01
2.92	0.97	0.00	0.00	0.02	0.01	2.94	0.96	0.00	0.00	0.02	0.01
2.96	0.93	0.00	0.00	0.02	0.01	2.98	0.95	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.00	0.97	0.00	0.00	0.02	0.00	3.02	0.98	0.00	0.00	0.02	0.00
3.04	1.00	0.00	0.00	0.02	0.00	3.06	1.00	0.00	0.00	0.02	0.00
3.08	1.00	0.00	0.00	0.02	0.00	3.10	1.01	0.00	0.00	0.02	0.00
3.12	0.99	0.00	0.00	0.02	0.00	3.14	0.97	0.00	0.00	0.02	0.01
3.16	0.95	0.00	0.00	0.02	0.01	3.18	0.94	0.00	0.00	0.02	0.01
3.20	0.93	0.00	0.00	0.02	0.01	3.22	0.93	0.00	0.00	0.02	0.01
3.24	0.93	0.00	0.00	0.02	0.01	3.26	0.92	0.00	0.00	0.02	0.01
3.28	0.92	0.00	0.00	0.02	0.01	3.30	0.94	0.00	0.00	0.02	0.01
3.32	0.98	0.00	0.00	0.02	0.00	3.34	1.03	0.00	0.00	0.02	0.00
3.36	1.07	0.00	0.00	0.02	0.00	3.38	1.10	0.00	0.00	0.02	0.00
3.40	1.12	0.00	0.00	0.02	0.00	3.42	1.13	0.00	0.00	0.02	0.00
3.44	1.13	0.00	0.00	0.02	0.00	3.46	1.13	0.00	0.00	0.02	0.00
3.48	1.12	0.00	0.00	0.02	0.00	3.50	1.11	0.00	0.00	0.02	0.00
3.52	1.09	0.00	0.00	0.02	0.00	3.54	1.09	0.00	0.00	0.02	0.00
3.56	1.08	0.00	0.00	0.02	0.00	3.59	1.08	0.00	0.00	0.03	0.00
3.60	1.07	0.00	0.00	0.01	0.00	3.62	1.06	0.00	0.00	0.02	0.00
3.64	1.04	0.00	0.00	0.02	0.00	3.66	1.03	0.00	0.00	0.02	0.00
3.68	1.00	0.00	0.00	0.02	0.00	3.70	0.96	0.00	0.00	0.02	0.01
3.72	0.93	0.00	0.00	0.02	0.01	3.74	0.91	0.00	0.00	0.02	0.01
3.76	0.83	0.00	0.00	0.02	0.03	3.78	0.84	0.00	0.00	0.02	0.03
3.80	0.85	0.00	0.00	0.02	0.02	3.82	0.85	0.00	0.00	0.02	0.02
3.84	0.92	0.00	0.00	0.02	0.01	3.86	0.94	0.00	0.00	0.02	0.01
3.88	0.94	0.00	0.00	0.02	0.01	3.90	0.92	0.00	0.00	0.02	0.01
3.92	0.91	0.00	0.00	0.02	0.01	3.94	0.91	0.00	0.00	0.02	0.01
3.96	0.90	0.00	0.00	0.02	0.02	3.98	0.90	0.00	0.00	0.02	0.02
4.00	0.88	0.00	0.00	0.02	0.02	4.02	0.85	0.00	0.00	0.02	0.02
4.04	0.83	0.00	0.00	0.02	0.03	4.06	0.82	0.00	0.00	0.02	0.03
4.08	0.82	0.00	0.00	0.02	0.03	4.10	0.82	0.00	0.00	0.02	0.03
4.12	0.82	0.00	0.00	0.02	0.03	4.14	0.81	0.00	0.00	0.02	0.03
4.16	0.81	0.00	0.00	0.02	0.03	4.18	0.81	0.00	0.00	0.02	0.03
4.20	0.81	0.00	0.00	0.02	0.03	4.22	0.81	0.00	0.00	0.02	0.03
4.24	0.81	0.00	0.00	0.02	0.03	4.26	0.81	0.00	0.00	0.02	0.03
4.28	0.81	0.00	0.00	0.02	0.03	4.30	0.79	0.00	0.00	0.02	0.03
4.32	0.78	0.00	0.00	0.02	0.03	4.34	0.79	0.00	0.00	0.02	0.03
4.36	0.80	0.00	0.00	0.02	0.03	4.38	0.80	0.00	0.00	0.02	0.03
4.40	0.81	0.00	0.00	0.02	0.03	4.42	0.80	0.00	0.00	0.02	0.03
4.44	0.81	0.00	0.00	0.02	0.03	4.46	0.81	0.00	0.00	0.02	0.03
4.48	0.82	0.00	0.00	0.02	0.03	4.50	0.81	0.00	0.00	0.02	0.03
4.52	0.80	0.00	0.00	0.02	0.03	4.54	0.80	0.00	0.00	0.02	0.03
4.56	0.79	0.00	0.00	0.02	0.03	4.58	0.79	0.00	0.00	0.02	0.03
4.60	0.78	0.00	0.00	0.02	0.03	4.62	0.79	0.00	0.00	0.02	0.03
4.64	0.81	0.00	0.00	0.02	0.03	4.66	0.81	0.00	0.00	0.02	0.03
4.68	0.81	0.00	0.00	0.02	0.03	4.70	0.82	0.00	0.00	0.02	0.03
4.72	0.83	0.00	0.00	0.02	0.03	4.74	0.80	0.00	0.00	0.02	0.03
4.76	0.75	0.00	0.00	0.02	0.04	4.78	0.79	0.00	0.00	0.02	0.03
4.80	0.83	0.00	0.00	0.02	0.03	4.82	0.83	0.00	0.00	0.02	0.03
4.84	0.88	0.00	0.00	0.02	0.02	4.86	0.91	0.00	0.00	0.02	0.01
4.88	0.95	0.00	0.00	0.02	0.01	4.90	0.99	0.00	0.00	0.02	0.00
4.92	1.01	0.00	0.00	0.02	0.00	4.94	1.03	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.96	1.09	0.00	0.00	0.02	0.00	4.98	1.17	0.00	0.00	0.02	0.00
5.00	1.25	0.00	0.00	0.02	0.00	5.02	1.31	0.00	0.00	0.02	0.00
5.04	1.28	0.00	0.00	0.02	0.00	5.06	1.26	0.00	0.00	0.02	0.00
5.08	1.24	0.00	0.00	0.02	0.00	5.10	1.23	0.00	0.00	0.02	0.00
5.12	1.23	0.00	0.00	0.02	0.00	5.14	1.22	0.00	0.00	0.02	0.00
5.16	1.23	0.00	0.00	0.02	0.00	5.19	1.25	0.00	0.00	0.03	0.00
5.20	1.26	0.00	0.00	0.01	0.00	5.22	1.26	0.00	0.00	0.02	0.00
5.24	1.21	0.00	0.00	0.02	0.00	5.26	1.16	0.00	0.00	0.02	0.00
5.28	1.11	0.00	0.00	0.02	0.00	5.30	1.09	0.00	0.00	0.02	0.00
5.32	1.04	0.00	0.00	0.02	0.00	5.34	1.01	0.00	0.00	0.02	0.00
5.36	1.00	0.00	0.00	0.02	0.00	5.38	0.99	0.00	0.00	0.02	0.00
5.40	0.95	0.00	0.00	0.02	0.01	5.42	0.93	0.00	0.00	0.02	0.01
5.44	0.88	0.00	0.00	0.02	0.02	5.46	0.82	0.00	0.00	0.02	0.03
5.48	0.76	0.00	0.00	0.02	0.03	5.50	0.76	0.00	0.00	0.02	0.03
5.52	0.76	0.00	0.00	0.02	0.03	5.54	0.76	0.00	0.00	0.02	0.03
5.56	0.77	0.00	0.00	0.02	0.03	5.58	0.78	0.00	0.00	0.02	0.03
5.60	0.83	0.00	0.00	0.02	0.02	5.62	0.88	0.00	0.00	0.02	0.02
5.64	0.91	0.00	0.00	0.02	0.01	5.66	0.94	0.00	0.00	0.02	0.01
5.68	0.95	0.00	0.00	0.02	0.01	5.70	0.97	0.00	0.00	0.02	0.00
5.72	0.98	0.00	0.00	0.02	0.00	5.74	0.99	0.00	0.00	0.02	0.00
5.76	1.06	0.00	0.00	0.02	0.00	5.78	1.15	0.00	0.00	0.02	0.00
5.80	1.24	0.00	0.00	0.02	0.00	5.82	1.25	0.00	0.00	0.02	0.00
5.84	1.27	0.00	0.00	0.02	0.00	5.86	1.27	0.00	0.00	0.02	0.00
5.88	1.32	0.00	0.00	0.02	0.00	5.90	1.34	0.00	0.00	0.02	0.00
5.92	1.36	0.00	0.00	0.02	0.00	5.94	1.28	0.00	0.00	0.02	0.00
5.96	1.14	0.00	0.00	0.02	0.00	5.98	1.02	0.00	0.00	0.02	0.00
6.00	0.89	0.00	0.00	0.02	0.02	6.02	0.80	0.00	0.00	0.02	0.03
6.04	0.74	0.00	0.00	0.02	0.04	6.06	0.68	0.00	0.00	0.02	0.04
6.08	0.68	0.00	0.00	0.02	0.04	6.10	0.67	0.33	0.80	0.02	0.05
6.12	0.66	0.34	0.76	0.02	0.05	6.14	0.64	0.36	0.72	0.02	0.05
6.16	0.64	0.36	0.72	0.02	0.05	6.18	0.64	0.36	0.72	0.02	0.05
6.20	0.66	0.34	0.76	0.02	0.05	6.22	0.68	0.00	0.00	0.02	0.04
6.24	0.67	0.00	0.00	0.02	0.04	6.26	0.65	0.35	0.75	0.02	0.05
6.28	0.64	0.36	0.72	0.02	0.05	6.30	0.65	0.35	0.75	0.02	0.05
6.32	0.66	0.34	0.77	0.02	0.05	6.34	0.66	0.34	0.79	0.02	0.05
6.36	0.67	0.33	0.80	0.02	0.05	6.38	0.67	0.00	0.00	0.02	0.04
6.40	0.66	0.34	0.78	0.02	0.05	6.42	0.65	0.35	0.76	0.02	0.05
6.44	0.64	0.36	0.73	0.02	0.05	6.46	0.67	0.33	0.80	0.02	0.04
6.48	0.71	0.00	0.00	0.02	0.04	6.50	0.74	0.00	0.00	0.02	0.03
6.52	0.74	0.00	0.00	0.02	0.03	6.54	0.71	0.00	0.00	0.02	0.04
6.56	0.66	0.34	0.78	0.02	0.05	6.58	0.65	0.35	0.74	0.02	0.05
6.60	0.65	0.35	0.74	0.02	0.05	6.62	0.65	0.35	0.74	0.02	0.05
6.64	0.65	0.35	0.74	0.02	0.05	6.66	0.65	0.35	0.74	0.02	0.05
6.68	0.65	0.35	0.74	0.02	0.05	6.70	0.65	0.35	0.75	0.02	0.05
6.72	0.66	0.34	0.76	0.02	0.05	6.74	0.70	0.00	0.00	0.02	0.04
6.76	0.67	0.00	0.00	0.02	0.04	6.78	0.70	0.00	0.00	0.02	0.04
6.80	0.70	0.00	0.00	0.02	0.04	6.82	0.71	0.00	0.00	0.02	0.04
6.84	0.72	0.00	0.00	0.02	0.04	6.86	0.71	0.00	0.00	0.02	0.04
6.88	0.71	0.00	0.00	0.02	0.04	6.90	0.71	0.00	0.00	0.02	0.04

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.92	0.71	0.00	0.00	0.02	0.04	6.94	0.71	0.00	0.00	0.02	0.04
6.96	0.71	0.00	0.00	0.02	0.04	6.98	0.69	0.00	0.00	0.02	0.04
7.00	0.68	0.00	0.00	0.02	0.04	7.02	0.68	0.00	0.00	0.02	0.04
7.04	0.68	0.00	0.00	0.02	0.04	7.06	0.68	0.00	0.00	0.02	0.04
7.08	0.68	0.00	0.00	0.02	0.04	7.10	0.69	0.00	0.00	0.02	0.04
7.12	0.70	0.00	0.00	0.02	0.04	7.14	0.73	0.00	0.00	0.02	0.03
7.16	0.74	0.00	0.00	0.02	0.03	7.18	0.72	0.00	0.00	0.02	0.04
7.20	0.72	0.00	0.00	0.02	0.04	7.22	0.71	0.00	0.00	0.02	0.04
7.24	0.71	0.00	0.00	0.02	0.04	7.26	0.71	0.00	0.00	0.02	0.04
7.28	0.71	0.00	0.00	0.02	0.04	7.30	0.71	0.00	0.00	0.02	0.04
7.32	0.69	0.00	0.00	0.02	0.04	7.34	0.67	0.00	0.00	0.02	0.04
7.36	0.67	0.33	0.80	0.02	0.04	7.38	0.67	0.00	0.00	0.02	0.04
7.40	0.67	0.33	0.80	0.02	0.04	7.42	0.66	0.34	0.79	0.02	0.04
7.44	0.66	0.34	0.78	0.02	0.04	7.46	0.66	0.34	0.78	0.02	0.04
7.48	0.66	0.34	0.78	0.02	0.04	7.50	0.66	0.34	0.76	0.02	0.04
7.52	0.66	0.34	0.79	0.02	0.04	7.54	0.68	0.00	0.00	0.02	0.04
7.56	0.68	0.00	0.00	0.02	0.04	7.58	0.68	0.00	0.00	0.02	0.04
7.60	0.68	0.00	0.00	0.02	0.04	7.62	0.68	0.00	0.00	0.02	0.04
7.64	0.67	0.00	0.00	0.02	0.04	7.66	0.67	0.00	0.00	0.02	0.04
7.68	0.67	0.33	0.80	0.02	0.04	7.70	0.67	0.33	0.81	0.02	0.04
7.72	0.66	0.34	0.79	0.02	0.04	7.74	0.67	0.00	0.00	0.02	0.04
7.76	0.67	0.33	0.81	0.02	0.04	7.78	0.67	0.33	0.81	0.02	0.04
7.80	0.67	0.33	0.81	0.02	0.04	7.82	0.67	0.33	0.81	0.02	0.04
7.84	0.67	0.33	0.81	0.02	0.04	7.86	0.66	0.34	0.78	0.02	0.04
7.88	0.65	0.35	0.74	0.02	0.04	7.90	0.65	0.35	0.75	0.02	0.04
7.92	0.66	0.34	0.78	0.02	0.04	7.94	0.69	0.00	0.00	0.02	0.04
7.96	0.71	0.00	0.00	0.02	0.03	7.98	0.74	0.00	0.00	0.02	0.03
8.00	0.78	0.00	0.00	0.02	0.03	8.02	0.81	0.00	0.00	0.02	0.02
8.04	0.86	0.00	0.00	0.02	0.02	8.06	0.90	0.00	0.00	0.02	0.01
8.08	0.95	0.00	0.00	0.02	0.01	8.10	0.95	0.00	0.00	0.02	0.01
8.12	0.94	0.00	0.00	0.02	0.01	8.14	0.93	0.00	0.00	0.02	0.01
8.16	0.84	0.00	0.00	0.02	0.02	8.18	0.80	0.00	0.00	0.02	0.02
8.20	0.93	0.00	0.00	0.02	0.01	8.22	1.04	0.00	0.00	0.02	0.00
8.24	1.11	0.00	0.00	0.02	0.00	8.26	1.20	0.00	0.00	0.02	0.00
8.28	1.26	0.00	0.00	0.02	0.00	8.30	1.36	0.00	0.00	0.02	0.00
8.32	1.47	0.00	0.00	0.02	0.00	8.34	1.50	0.00	0.00	0.02	0.00
8.36	1.48	0.00	0.00	0.02	0.00	8.38	1.35	0.00	0.00	0.02	0.00
8.40	1.20	0.00	0.00	0.02	0.00	8.42	1.10	0.00	0.00	0.02	0.00
8.44	1.07	0.00	0.00	0.02	0.00	8.46	1.06	0.00	0.00	0.02	0.00
8.48	1.04	0.00	0.00	0.02	0.00	8.50	1.03	0.00	0.00	0.02	0.00
8.52	1.02	0.00	0.00	0.02	0.00	8.54	1.02	0.00	0.00	0.02	0.00
8.56	1.02	0.00	0.00	0.02	0.00	8.58	1.02	0.00	0.00	0.02	0.00
8.60	1.07	0.00	0.00	0.02	0.00	8.62	1.19	0.00	0.00	0.02	0.00
8.64	1.30	0.00	0.00	0.02	0.00	8.66	1.37	0.00	0.00	0.02	0.00
8.68	1.40	0.00	0.00	0.02	0.00	8.70	1.43	0.00	0.00	0.02	0.00
8.72	1.46	0.00	0.00	0.02	0.00	8.74	1.35	0.00	0.00	0.02	0.00
8.76	1.27	0.00	0.00	0.02	0.00	8.78	1.13	0.00	0.00	0.02	0.00
8.80	0.99	0.00	0.00	0.02	0.00	8.82	0.97	0.00	0.00	0.02	0.00
8.84	0.92	0.00	0.00	0.02	0.01	8.86	0.85	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.88	0.82	0.00	0.00	0.02	0.02	8.90	0.78	0.00	0.00	0.02	0.02
8.92	0.76	0.00	0.00	0.02	0.03	8.94	0.72	0.00	0.00	0.02	0.03
8.96	0.70	0.00	0.00	0.02	0.03	8.98	0.69	0.00	0.00	0.02	0.03
9.00	0.69	0.00	0.00	0.02	0.03	9.02	0.68	0.00	0.00	0.02	0.04
9.04	0.66	0.34	0.78	0.02	0.04	9.06	0.64	0.36	0.73	0.02	0.04
9.08	0.65	0.35	0.76	0.02	0.04	9.10	0.69	0.00	0.00	0.02	0.03
9.12	0.73	0.00	0.00	0.02	0.03	9.14	0.74	0.00	0.00	0.02	0.03
9.16	0.73	0.00	0.00	0.02	0.03	9.18	0.71	0.00	0.00	0.02	0.03
9.20	0.69	0.00	0.00	0.02	0.03	9.22	0.68	0.00	0.00	0.02	0.03
9.24	0.68	0.00	0.00	0.02	0.03	9.26	0.68	0.00	0.00	0.02	0.03
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	0.73	0.00	0.00	0.02	0.03	9.38	0.77	0.00	0.00	0.02	0.02
9.40	0.80	0.00	0.00	0.02	0.02	9.42	0.84	0.00	0.00	0.02	0.02
9.44	0.85	0.00	0.00	0.02	0.02	9.46	0.85	0.00	0.00	0.02	0.02
9.48	0.78	0.00	0.00	0.02	0.02	9.50	0.73	0.00	0.00	0.02	0.03
9.52	0.68	0.00	0.00	0.02	0.03	9.54	0.66	0.34	0.79	0.02	0.04
9.56	0.67	0.33	0.80	0.02	0.03	9.58	0.69	0.00	0.00	0.02	0.03
9.60	0.71	0.00	0.00	0.02	0.03	9.62	0.73	0.00	0.00	0.02	0.03
9.64	0.74	0.00	0.00	0.02	0.03	9.66	0.74	0.00	0.00	0.02	0.03
9.68	0.75	0.00	0.00	0.02	0.03	9.70	0.75	0.00	0.00	0.02	0.03
9.72	0.78	0.00	0.00	0.02	0.02	9.74	0.77	0.00	0.00	0.02	0.02
9.76	0.77	0.00	0.00	0.02	0.02	9.78	0.77	0.00	0.00	0.02	0.02
9.80	0.77	0.00	0.00	0.02	0.02	9.82	0.77	0.00	0.00	0.02	0.02
9.84	0.79	0.00	0.00	0.02	0.02	9.85	0.80	0.00	0.00	0.02	0.02
9.87	0.80	0.00	0.00	0.02	0.02	9.89	0.80	0.00	0.00	0.02	0.02
9.91	0.79	0.00	0.00	0.02	0.02	9.93	0.78	0.00	0.00	0.02	0.02
9.95	0.77	0.00	0.00	0.02	0.02	9.97	0.76	0.00	0.00	0.02	0.02
9.99	0.75	0.00	0.00	0.02	0.02	10.01	0.75	0.00	0.00	0.02	0.03
10.03	0.74	0.00	0.00	0.02	0.03	10.05	0.74	0.00	0.00	0.02	0.03
10.07	0.74	0.00	0.00	0.02	0.03	10.09	0.73	0.00	0.00	0.02	0.03
10.11	0.73	0.00	0.00	0.02	0.03	10.13	0.73	0.00	0.00	0.02	0.03
10.15	0.72	0.00	0.00	0.02	0.03	10.17	0.71	0.00	0.00	0.02	0.03
10.19	0.71	0.00	0.00	0.02	0.03	10.21	0.70	0.00	0.00	0.02	0.03
10.23	0.69	0.00	0.00	0.02	0.03	10.25	0.69	0.00	0.00	0.02	0.03
10.27	0.69	0.00	0.00	0.02	0.03	10.29	0.69	0.00	0.00	0.02	0.03
10.31	0.69	0.00	0.00	0.02	0.03	10.33	0.69	0.00	0.00	0.02	0.03
10.35	0.69	0.00	0.00	0.02	0.03	10.37	0.69	0.00	0.00	0.02	0.03
10.39	0.69	0.00	0.00	0.02	0.03	10.41	0.69	0.00	0.00	0.02	0.03
10.43	0.69	0.00	0.00	0.02	0.03	10.45	0.69	0.00	0.00	0.02	0.03
10.47	0.69	0.00	0.00	0.02	0.03	10.49	0.69	0.00	0.00	0.02	0.03
10.51	0.70	0.00	0.00	0.02	0.03	10.53	0.70	0.00	0.00	0.02	0.03
10.55	0.71	0.00	0.00	0.02	0.03	10.57	0.72	0.00	0.00	0.02	0.03
10.59	0.73	0.00	0.00	0.02	0.03	10.61	0.74	0.00	0.00	0.02	0.02
10.63	0.75	0.00	0.00	0.02	0.02	10.65	0.77	0.00	0.00	0.02	0.02
10.67	0.77	0.00	0.00	0.02	0.02	10.69	0.78	0.00	0.00	0.02	0.02
10.71	0.78	0.00	0.00	0.02	0.02	10.73	0.78	0.00	0.00	0.02	0.02
10.75	0.78	0.00	0.00	0.02	0.02	10.77	0.79	0.00	0.00	0.02	0.02
10.79	0.79	0.00	0.00	0.02	0.02	10.81	0.80	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.83	0.80	0.00	0.00	0.02	0.02	10.85	0.80	0.00	0.00	0.02	0.02
10.87	0.81	0.00	0.00	0.02	0.02	10.89	0.80	0.00	0.00	0.02	0.02
10.91	0.79	0.00	0.00	0.02	0.02	10.93	0.77	0.00	0.00	0.02	0.02
10.95	0.77	0.00	0.00	0.02	0.02	10.97	0.77	0.00	0.00	0.02	0.02
10.99	0.77	0.00	0.00	0.02	0.02	11.01	0.77	0.00	0.00	0.02	0.02
11.03	0.77	0.00	0.00	0.02	0.02	11.05	0.75	0.00	0.00	0.02	0.02
11.07	0.74	0.00	0.00	0.02	0.02	11.09	0.72	0.00	0.00	0.02	0.02
11.11	0.71	0.00	0.00	0.02	0.03	11.13	0.70	0.00	0.00	0.02	0.03
11.15	0.70	0.00	0.00	0.02	0.03	11.17	0.71	0.00	0.00	0.02	0.03
11.19	0.72	0.00	0.00	0.02	0.02	11.21	0.75	0.00	0.00	0.02	0.02
11.23	0.76	0.00	0.00	0.02	0.02	11.25	0.75	0.00	0.00	0.02	0.02
11.27	0.73	0.00	0.00	0.02	0.02	11.29	0.73	0.00	0.00	0.02	0.02
11.31	0.74	0.00	0.00	0.02	0.02	11.33	0.73	0.00	0.00	0.02	0.02
11.35	0.74	0.00	0.00	0.02	0.02	11.37	0.74	0.00	0.00	0.02	0.02
11.39	0.76	0.00	0.00	0.02	0.02	11.41	0.77	0.00	0.00	0.02	0.02
11.43	0.78	0.00	0.00	0.02	0.02	11.45	0.78	0.00	0.00	0.02	0.02
11.47	0.78	0.00	0.00	0.02	0.02	11.49	0.78	0.00	0.00	0.02	0.02
11.51	0.78	0.00	0.00	0.02	0.02	11.53	0.77	0.00	0.00	0.02	0.02
11.55	0.74	0.00	0.00	0.02	0.02	11.57	0.72	0.00	0.00	0.02	0.02
11.59	0.80	0.00	0.00	0.02	0.02	11.61	0.87	0.00	0.00	0.02	0.01
11.63	1.01	0.00	0.00	0.02	0.00	11.65	1.09	0.00	0.00	0.02	0.00
11.67	1.11	0.00	0.00	0.02	0.00	11.69	1.09	0.00	0.00	0.02	0.00
11.71	1.05	0.00	0.00	0.02	0.00	11.73	0.98	0.00	0.00	0.02	0.00
11.75	0.81	0.00	0.00	0.02	0.02	11.77	0.79	0.00	0.00	0.02	0.02
11.79	0.78	0.00	0.00	0.02	0.02	11.81	0.78	0.00	0.00	0.02	0.02
11.83	0.78	0.00	0.00	0.02	0.02	11.85	0.75	0.00	0.00	0.02	0.02
11.87	0.71	0.00	0.00	0.02	0.02	11.89	0.70	0.00	0.00	0.02	0.02
11.91	0.70	0.00	0.00	0.02	0.02	11.93	0.70	0.00	0.00	0.02	0.02
11.95	0.70	0.00	0.00	0.02	0.02	11.97	0.70	0.00	0.00	0.02	0.02
11.99	0.71	0.00	0.00	0.02	0.02	12.01	0.75	0.00	0.00	0.02	0.02
12.03	0.80	0.00	0.00	0.02	0.02	12.05	0.88	0.00	0.00	0.02	0.01
12.07	0.93	0.00	0.00	0.02	0.01	12.09	0.95	0.00	0.00	0.02	0.00
12.11	1.00	0.00	0.00	0.02	0.00	12.13	1.07	0.00	0.00	0.02	0.00
12.15	1.13	0.00	0.00	0.02	0.00	12.17	1.19	0.00	0.00	0.02	0.00
12.19	1.24	0.00	0.00	0.02	0.00	12.21	1.40	0.00	0.00	0.02	0.00
12.23	1.76	0.00	0.00	0.02	0.00	12.25	2.00	0.00	0.00	0.02	0.00
12.27	2.00	0.00	0.00	0.02	0.00	12.29	2.00	0.00	0.00	0.02	0.00
12.31	2.00	0.00	0.00	0.02	0.00	12.33	2.00	0.00	0.00	0.02	0.00
12.35	2.00	0.00	0.00	0.02	0.00	12.37	2.00	0.00	0.00	0.02	0.00
12.39	2.00	0.00	0.00	0.02	0.00	12.41	2.00	0.00	0.00	0.02	0.00
12.43	2.00	0.00	0.00	0.02	0.00	12.45	2.00	0.00	0.00	0.02	0.00
12.47	2.00	0.00	0.00	0.02	0.00	12.49	2.00	0.00	0.00	0.02	0.00
12.51	2.00	0.00	0.00	0.02	0.00	12.53	2.00	0.00	0.00	0.02	0.00
12.55	2.00	0.00	0.00	0.02	0.00	12.57	2.00	0.00	0.00	0.02	0.00
12.59	2.00	0.00	0.00	0.02	0.00	12.61	2.00	0.00	0.00	0.02	0.00
12.63	2.00	0.00	0.00	0.02	0.00	12.65	2.00	0.00	0.00	0.02	0.00
12.67	2.00	0.00	0.00	0.02	0.00	12.69	2.00	0.00	0.00	0.02	0.00
12.71	2.00	0.00	0.00	0.02	0.00	12.73	2.00	0.00	0.00	0.02	0.00
12.75	2.00	0.00	0.00	0.02	0.00	12.77	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.79	2.00	0.00	0.00	0.02	0.00	12.81	2.00	0.00	0.00	0.02	0.00
12.83	2.00	0.00	0.00	0.02	0.00	12.85	2.00	0.00	0.00	0.02	0.00
12.87	2.00	0.00	0.00	0.02	0.00	12.89	2.00	0.00	0.00	0.02	0.00
12.91	2.00	0.00	0.00	0.02	0.00	12.93	2.00	0.00	0.00	0.02	0.00
12.95	2.00	0.00	0.00	0.02	0.00	12.97	2.00	0.00	0.00	0.02	0.00
12.99	2.00	0.00	0.00	0.02	0.00	13.01	2.00	0.00	0.00	0.02	0.00
13.03	2.00	0.00	0.00	0.02	0.00	13.05	2.00	0.00	0.00	0.02	0.00
13.07	2.00	0.00	0.00	0.02	0.00	13.09	2.00	0.00	0.00	0.02	0.00
13.11	1.96	0.00	0.00	0.02	0.00	13.13	1.76	0.00	0.00	0.02	0.00
13.15	1.59	0.00	0.00	0.02	0.00	13.17	1.38	0.00	0.00	0.02	0.00
13.19	1.27	0.00	0.00	0.02	0.00	13.21	1.03	0.00	0.00	0.02	0.00
13.23	0.98	0.00	0.00	0.02	0.00	13.24	0.91	0.00	0.00	0.02	0.01
13.26	0.87	0.00	0.00	0.02	0.01	13.28	0.85	0.00	0.00	0.02	0.01
13.30	0.84	0.00	0.00	0.02	0.01	13.32	0.84	0.00	0.00	0.02	0.01
13.34	0.84	0.00	0.00	0.02	0.01	13.36	0.84	0.00	0.00	0.02	0.01
13.38	0.85	0.00	0.00	0.02	0.01	13.40	0.85	0.00	0.00	0.02	0.01
13.42	0.87	0.00	0.00	0.02	0.01	13.44	0.90	0.00	0.00	0.02	0.01
13.46	0.97	0.00	0.00	0.02	0.00	13.48	1.03	0.00	0.00	0.02	0.00
13.50	1.13	0.00	0.00	0.02	0.00	13.52	1.23	0.00	0.00	0.02	0.00
13.54	1.32	0.00	0.00	0.02	0.00	13.56	1.34	0.00	0.00	0.02	0.00
13.58	1.35	0.00	0.00	0.02	0.00	13.60	1.40	0.00	0.00	0.02	0.00
13.62	1.51	0.00	0.00	0.02	0.00	13.64	1.62	0.00	0.00	0.02	0.00
13.66	1.77	0.00	0.00	0.02	0.00	13.68	1.93	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	1.99	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	1.99	0.00	0.00	0.02	0.00	13.80	1.95	0.00	0.00	0.02	0.00
13.82	1.89	0.00	0.00	0.02	0.00	13.84	1.89	0.00	0.00	0.02	0.00
13.86	1.80	0.00	0.00	0.02	0.00	13.88	1.82	0.00	0.00	0.02	0.00
13.90	1.63	0.00	0.00	0.02	0.00	13.92	1.62	0.00	0.00	0.02	0.00
13.94	1.61	0.00	0.00	0.02	0.00	13.96	1.61	0.00	0.00	0.02	0.00
13.98	1.62	0.00	0.00	0.02	0.00	14.00	1.63	0.00	0.00	0.02	0.00
14.02	1.78	0.00	0.00	0.02	0.00	14.04	1.74	0.00	0.00	0.02	0.00
14.06	1.85	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	1.84	0.00	0.00	0.02	0.00
14.14	1.73	0.00	0.00	0.02	0.00	14.16	1.59	0.00	0.00	0.02	0.00
14.18	1.59	0.00	0.00	0.02	0.00	14.20	1.60	0.00	0.00	0.02	0.00
14.22	1.61	0.00	0.00	0.02	0.00	14.24	1.69	0.00	0.00	0.02	0.00
14.26	1.89	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	2.00	0.00	0.00	0.02	0.00	14.44	2.00	0.00	0.00	0.02	0.00
14.46	2.00	0.00	0.00	0.02	0.00	14.48	2.00	0.00	0.00	0.02	0.00
14.50	2.00	0.00	0.00	0.02	0.00	14.52	2.00	0.00	0.00	0.02	0.00
14.54	2.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	1.76	0.00	0.00	0.02	0.00	14.92	1.43	0.00	0.00	0.02	0.00
14.94	1.26	0.00	0.00	0.02	0.00	14.96	1.10	0.00	0.00	0.02	0.00
14.98	1.08	0.00	0.00	0.02	0.00	15.00	1.07	0.00	0.00	0.02	0.00
15.02	1.07	0.00	0.00	0.02	0.00	15.04	1.08	0.00	0.00	0.02	0.00
15.06	1.09	0.00	0.00	0.02	0.00	15.08	1.23	0.00	0.00	0.02	0.00
15.10	1.41	0.00	0.00	0.02	0.00	15.12	1.85	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	1.85	0.00	0.00	0.02	0.00
15.22	1.83	0.00	0.00	0.02	0.00	15.24	1.82	0.00	0.00	0.02	0.00
15.26	1.81	0.00	0.00	0.02	0.00	15.28	1.85	0.00	0.00	0.02	0.00
15.30	1.80	0.00	0.00	0.02	0.00	15.31	1.55	0.00	0.00	0.02	0.00
15.33	1.30	0.00	0.00	0.02	0.00	15.35	1.21	0.00	0.00	0.02	0.00
15.37	1.20	0.00	0.00	0.02	0.00	15.39	1.19	0.00	0.00	0.02	0.00
15.41	1.19	0.00	0.00	0.02	0.00	15.43	1.20	0.00	0.00	0.02	0.00
15.45	1.28	0.00	0.00	0.02	0.00	15.47	1.33	0.00	0.00	0.02	0.00
15.49	1.30	0.00	0.00	0.02	0.00	15.51	1.21	0.00	0.00	0.02	0.00
15.53	1.18	0.00	0.00	0.02	0.00	15.55	1.17	0.00	0.00	0.02	0.00
15.57	1.17	0.00	0.00	0.02	0.00	15.59	1.19	0.00	0.00	0.02	0.00
15.61	1.21	0.00	0.00	0.02	0.00	15.63	1.31	0.00	0.00	0.02	0.00
15.65	1.33	0.00	0.00	0.02	0.00	15.67	1.34	0.00	0.00	0.02	0.00
15.69	1.45	0.00	0.00	0.02	0.00	15.71	1.59	0.00	0.00	0.02	0.00
15.73	1.72	0.00	0.00	0.02	0.00	15.75	1.58	0.00	0.00	0.02	0.00
15.77	1.38	0.00	0.00	0.02	0.00	15.79	1.27	0.00	0.00	0.02	0.00
15.81	1.23	0.00	0.00	0.02	0.00	15.83	1.21	0.00	0.00	0.02	0.00
15.85	1.13	0.00	0.00	0.02	0.00	15.87	1.03	0.00	0.00	0.02	0.00
15.89	0.92	0.00	0.00	0.02	0.00	15.91	0.86	0.00	0.00	0.02	0.01
15.93	0.97	0.00	0.00	0.02	0.00	15.95	0.91	0.00	0.00	0.02	0.00
15.97	0.88	0.00	0.00	0.02	0.00	15.99	0.87	0.00	0.00	0.02	0.01
16.01	0.87	0.00	0.00	0.02	0.01	16.03	0.89	0.00	0.00	0.02	0.00
16.05	0.91	0.00	0.00	0.02	0.00	16.07	1.00	0.00	0.00	0.02	0.00
16.09	1.00	0.00	0.00	0.02	0.00	16.11	0.87	0.00	0.00	0.02	0.00

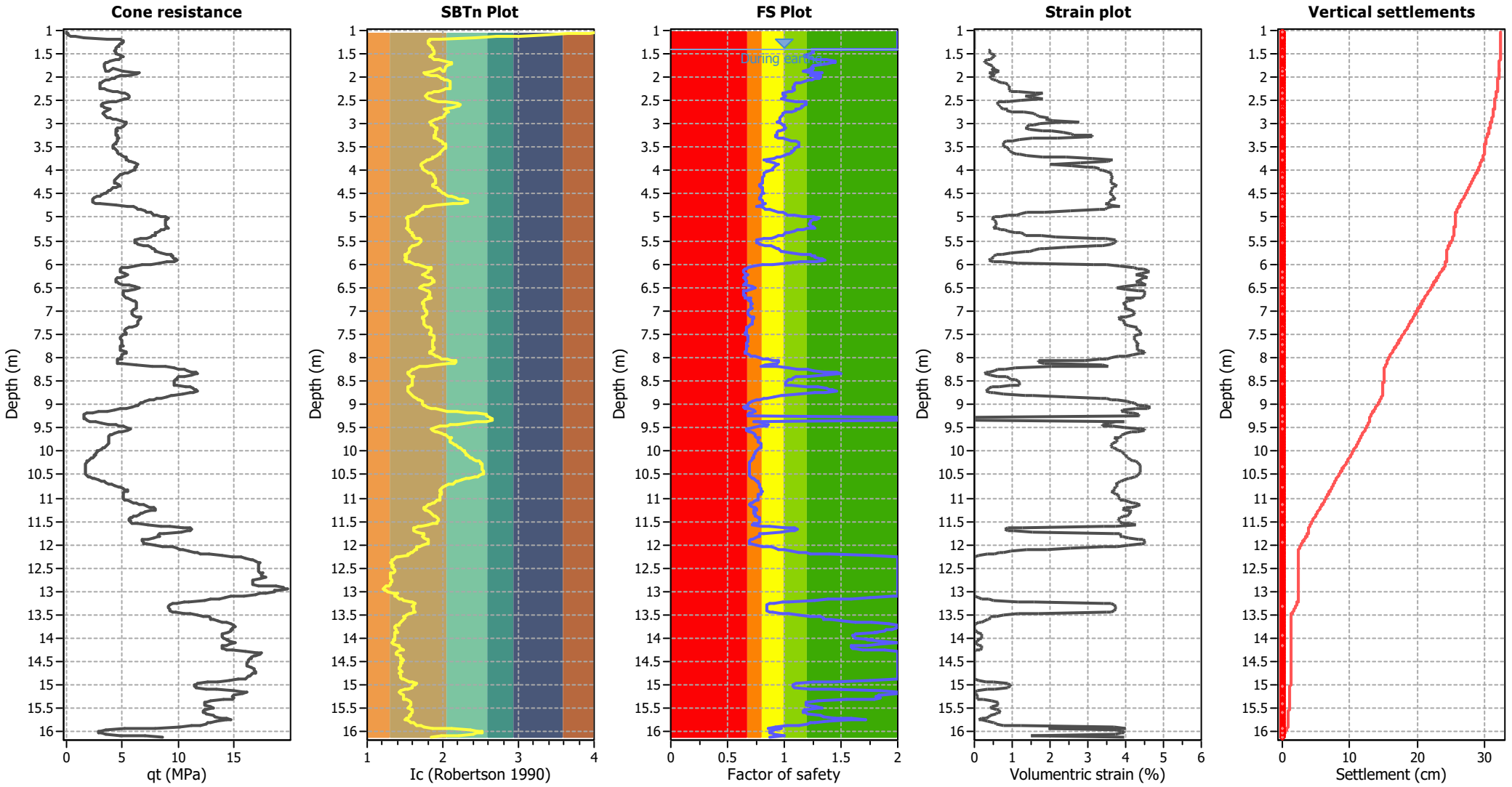
Overall liquefaction potential: 10.22

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.04	4.06	0.33	54.25	18.15	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	3.95	0.74	44.92	33.07	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.08	3.65	1.54	27.22	42.04	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.10	3.36	3.16	16.91	53.51	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.12	3.01	6.41	9.04	57.94	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.14	2.71	12.91	4.84	62.42	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.16	2.42	25.90	2.49	64.48	16	29820	0.10	0.006	0.01	3.58	0.00	0.000
1.18	1.95	61.13	1.27	77.76	16	38882	0.10	0.004	0.01	3.58	0.00	0.000
1.20	1.82	80.17	1.18	94.31	18	43230	0.10	0.004	0.00	3.58	0.00	0.000
1.22	1.82	83.70	1.18	98.38	19	45078	0.10	0.004	0.00	3.58	0.00	0.000
1.24	1.82	85.25	1.17	99.80	19	45637	0.10	0.004	0.00	3.58	0.00	0.000
1.26	1.81	84.44	1.17	98.53	19	44984	0.10	0.004	0.00	3.58	0.00	0.000
1.28	1.81	82.78	1.16	96.09	19	43778	0.10	0.004	0.00	3.58	0.00	0.000
1.30	1.81	81.03	1.17	94.54	18	43165	0.10	0.004	0.00	3.58	0.00	0.000
1.32	1.83	79.22	1.18	93.46	18	42915	0.10	0.004	0.00	3.58	0.00	0.000
1.34	1.84	77.77	1.19	92.53	18	42720	0.10	0.005	0.01	3.58	0.00	0.000
1.36	1.85	76.09	1.20	91.36	18	42491	0.10	0.005	0.01	3.58	0.00	0.000
1.38	1.86	74.38	1.21	90.09	18	42253	0.10	0.005	0.01	3.58	0.00	0.000
1.40	1.87	74.10	1.21	89.88	18	42216	0.10	0.005	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.42	87.16	1.24	0.41	1.00	0.01	1.44	89.09	1.25	0.40	1.00	0.01
1.46	89.65	1.25	0.41	1.00	0.01	1.48	89.53	1.24	0.43	1.00	0.01
1.50	90.07	1.23	0.44	1.00	0.01	1.52	90.23	1.23	0.45	1.00	0.01
1.54	87.35	1.18	0.53	1.00	0.01	1.56	87.58	1.17	0.54	1.00	0.01
1.58	90.06	1.20	0.51	1.00	0.01	1.60	93.46	1.23	0.47	1.00	0.01
1.62	96.64	1.27	0.42	1.00	0.01	1.64	103.17	1.37	0.33	1.00	0.01
1.66	107.82	1.45	0.27	1.00	0.01	1.68	108.16	1.45	0.28	1.00	0.01
1.70	107.21	1.42	0.30	1.00	0.01	1.72	105.03	1.37	0.34	1.00	0.01
1.74	99.45	1.26	0.45	1.00	0.01	1.76	99.31	1.25	0.47	1.00	0.01
1.78	99.39	1.25	0.48	1.00	0.01	1.80	99.50	1.24	0.49	1.00	0.01
1.87	99.54	1.22	0.53	1.00	0.04	1.87	101.06	1.24	0.50	1.00	0.00
1.82	101.17	1.26	0.47	1.00	0.02	1.88	96.01	1.16	0.64	1.00	0.04
1.90	100.95	1.23	0.52	1.00	0.01	1.92	107.57	1.34	0.39	1.00	0.01
1.94	103.38	1.26	0.49	1.00	0.01	1.96	102.34	1.23	0.52	1.00	0.01
1.98	107.67	1.32	0.41	1.00	0.01	2.00	108.12	1.32	0.41	1.00	0.01
2.02	107.48	1.30	0.43	1.00	0.01	2.04	106.01	1.27	0.47	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.06	104.69	1.24	0.51	1.00	0.01	2.08	103.40	1.21	0.56	1.00	0.01
2.10	101.54	1.18	0.62	1.00	0.01	2.12	99.27	1.14	0.71	1.00	0.01
2.14	96.93	1.10	0.83	1.00	0.02	2.16	96.42	1.09	0.87	1.00	0.02
2.18	96.35	1.09	0.89	1.00	0.02	2.20	96.45	1.08	0.91	1.00	0.02
2.22	96.53	1.08	0.92	1.00	0.02	2.24	96.75	1.08	0.93	1.00	0.02
2.26	97.33	1.08	0.91	1.00	0.02	2.28	97.74	1.08	0.91	1.00	0.02
2.30	96.93	1.07	0.98	1.00	0.02	2.32	94.73	1.04	1.16	1.00	0.02
2.34	91.30	1.00	1.60	1.00	0.03	2.36	90.45	0.98	1.81	1.00	0.04
2.38	91.53	0.99	1.65	1.00	0.03	2.40	93.07	1.00	1.46	1.00	0.03
2.42	94.33	1.02	1.33	1.00	0.03	2.44	92.98	1.00	1.54	1.00	0.03
2.46	91.72	0.98	1.81	1.00	0.04	2.48	92.09	0.98	1.79	1.00	0.04
2.50	96.19	1.03	1.25	1.00	0.02	2.52	102.34	1.10	0.85	1.00	0.02
2.54	108.46	1.20	0.61	1.00	0.01	2.56	108.83	1.20	0.61	1.00	0.01
2.58	108.95	1.20	0.61	1.00	0.01	2.60	108.40	1.18	0.64	1.00	0.01
2.62	107.63	1.17	0.67	1.00	0.01	2.64	106.94	1.15	0.70	1.00	0.01
2.66	107.23	1.15	0.70	1.00	0.01	2.68	105.77	1.13	0.77	1.00	0.02
2.70	103.88	1.10	0.87	1.00	0.02	2.72	104.36	1.10	0.85	1.00	0.02
2.74	101.79	1.06	1.01	1.00	0.02	2.76	98.43	1.02	1.30	1.00	0.03
2.78	96.49	0.99	1.56	1.00	0.03	2.80	96.30	0.99	1.62	1.00	0.03
2.82	96.29	0.98	1.65	1.00	0.03	2.84	96.15	0.98	1.70	1.00	0.03
2.86	95.20	0.97	1.92	1.00	0.04	2.88	95.12	0.96	1.98	1.00	0.04
2.90	95.55	0.96	1.91	1.00	0.04	2.92	95.78	0.97	1.90	1.00	0.04
2.94	95.20	0.96	2.07	1.00	0.04	2.96	93.34	0.93	2.77	1.00	0.06
2.98	94.70	0.95	2.30	1.00	0.05	3.00	97.13	0.97	1.75	1.00	0.03
3.02	98.28	0.98	1.58	1.00	0.03	3.04	99.43	1.00	1.45	1.00	0.03
3.06	99.97	1.00	1.40	1.00	0.03	3.08	100.33	1.00	1.37	1.00	0.03
3.10	100.87	1.01	1.33	1.00	0.03	3.12	99.95	0.99	1.45	1.00	0.03
3.14	97.77	0.97	1.81	1.00	0.04	3.16	96.74	0.95	2.06	1.00	0.04
3.18	95.88	0.94	2.34	1.00	0.05	3.20	95.44	0.93	2.53	1.00	0.05
3.22	95.46	0.93	2.57	1.00	0.05	3.24	95.45	0.93	2.62	1.00	0.05
3.26	94.54	0.92	3.12	1.00	0.06	3.28	94.62	0.92	3.13	1.00	0.06
3.30	97.07	0.94	2.19	1.00	0.04	3.32	100.57	0.98	1.53	1.00	0.03
3.34	103.84	1.03	1.19	1.00	0.02	3.36	106.81	1.07	0.98	1.00	0.02
3.38	109.11	1.10	0.86	1.00	0.02	3.40	110.80	1.12	0.78	1.00	0.02
3.42	111.05	1.13	0.78	1.00	0.02	3.44	111.33	1.13	0.77	1.00	0.02
3.46	111.50	1.13	0.77	1.00	0.02	3.48	111.11	1.12	0.79	1.00	0.02
3.50	110.36	1.11	0.83	1.00	0.02	3.52	109.44	1.09	0.88	1.00	0.02
3.54	109.28	1.09	0.89	1.00	0.02	3.56	109.02	1.08	0.91	1.00	0.02
3.59	108.66	1.08	0.94	1.00	0.03	3.60	108.22	1.07	0.97	1.00	0.01
3.62	107.64	1.06	1.01	1.00	0.02	3.64	106.33	1.04	1.11	1.00	0.02
3.66	105.56	1.03	1.18	1.00	0.02	3.68	103.61	1.00	1.37	1.00	0.03
3.70	100.53	0.96	1.82	1.00	0.04	3.72	98.19	0.93	2.41	1.00	0.05
3.74	96.64	0.91	3.11	1.00	0.06	3.76	88.14	0.83	3.65	1.00	0.07
3.78	89.30	0.84	3.60	1.00	0.07	3.80	90.68	0.85	3.55	1.00	0.07
3.82	91.50	0.85	3.51	1.00	0.07	3.84	97.60	0.92	2.81	1.00	0.06
3.86	99.80	0.94	2.10	1.00	0.04	3.88	100.27	0.94	2.01	1.00	0.04
3.90	98.41	0.92	2.56	1.00	0.05	3.92	97.50	0.91	2.98	1.00	0.06
3.94	97.22	0.91	3.17	1.00	0.06	3.96	96.94	0.90	3.32	1.00	0.07
3.98	96.83	0.90	3.32	1.00	0.07	4.00	94.93	0.88	3.39	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.02	91.59	0.85	3.51	1.00	0.07	4.04	89.39	0.83	3.60	1.00	0.07
4.06	89.11	0.82	3.61	1.00	0.07	4.08	89.40	0.82	3.60	1.00	0.07
4.10	89.26	0.82	3.60	1.00	0.07	4.12	88.74	0.82	3.62	1.00	0.07
4.14	88.10	0.81	3.65	1.00	0.07	4.16	88.03	0.81	3.65	1.00	0.07
4.18	88.71	0.81	3.62	1.00	0.07	4.20	88.83	0.81	3.62	1.00	0.07
4.22	88.79	0.81	3.62	1.00	0.07	4.24	88.77	0.81	3.62	1.00	0.07
4.26	88.71	0.81	3.62	1.00	0.07	4.28	88.60	0.81	3.63	1.00	0.07
4.30	86.23	0.79	3.73	1.00	0.07	4.32	85.61	0.78	3.75	1.00	0.08
4.34	86.65	0.79	3.71	1.00	0.07	4.36	87.42	0.80	3.68	1.00	0.07
4.38	88.16	0.80	3.65	1.00	0.07	4.40	88.79	0.81	3.62	1.00	0.07
4.42	88.36	0.80	3.64	1.00	0.07	4.44	89.00	0.81	3.61	1.00	0.07
4.46	89.39	0.81	3.60	1.00	0.07	4.48	90.21	0.82	3.56	1.00	0.07
4.50	89.49	0.81	3.59	1.00	0.07	4.52	87.97	0.80	3.65	1.00	0.07
4.54	88.23	0.80	3.64	1.00	0.07	4.56	88.02	0.79	3.65	1.00	0.07
4.58	87.37	0.79	3.68	1.00	0.07	4.60	86.53	0.78	3.71	1.00	0.07
4.62	88.25	0.79	3.64	1.00	0.07	4.64	90.13	0.81	3.57	1.00	0.07
4.66	90.15	0.81	3.57	1.00	0.07	4.68	89.89	0.81	3.58	1.00	0.07
4.70	90.94	0.82	3.54	1.00	0.07	4.72	92.48	0.83	3.48	1.00	0.07
4.74	89.43	0.80	3.60	1.00	0.07	4.76	83.38	0.75	3.85	1.00	0.08
4.78	88.26	0.79	3.64	1.00	0.07	4.80	92.30	0.83	3.48	1.00	0.07
4.82	93.19	0.83	3.45	1.00	0.07	4.84	97.43	0.88	3.30	1.00	0.07
4.86	100.82	0.91	2.55	1.00	0.05	4.88	103.65	0.95	1.84	1.00	0.04
4.90	107.04	0.99	1.37	1.00	0.03	4.92	108.63	1.01	1.22	1.00	0.02
4.94	109.90	1.03	1.12	1.00	0.02	4.96	113.76	1.09	0.88	1.00	0.02
4.98	117.89	1.17	0.69	1.00	0.01	5.00	122.13	1.25	0.53	1.00	0.01
5.02	124.72	1.31	0.45	1.00	0.01	5.04	123.39	1.28	0.49	1.00	0.01
5.06	122.41	1.26	0.53	1.00	0.01	5.08	121.54	1.24	0.56	1.00	0.01
5.10	121.27	1.23	0.57	1.00	0.01	5.12	121.13	1.23	0.57	1.00	0.01
5.14	120.99	1.22	0.58	1.00	0.01	5.16	121.16	1.23	0.57	1.00	0.01
5.19	122.28	1.25	0.54	1.00	0.02	5.20	122.64	1.26	0.52	1.00	0.01
5.22	122.90	1.26	0.52	1.00	0.01	5.24	120.31	1.21	0.61	1.00	0.01
5.26	118.12	1.16	0.69	1.00	0.01	5.28	115.39	1.11	0.81	1.00	0.02
5.30	113.87	1.09	0.89	1.00	0.02	5.32	110.85	1.04	1.09	1.00	0.02
5.34	108.96	1.01	1.24	1.00	0.02	5.36	108.46	1.00	1.29	1.00	0.03
5.38	107.93	0.99	1.34	1.00	0.03	5.40	104.81	0.95	1.75	1.00	0.04
5.42	102.90	0.93	2.14	1.00	0.04	5.44	99.30	0.88	3.24	1.00	0.06
5.46	92.68	0.82	3.47	1.00	0.07	5.48	86.29	0.76	3.72	1.00	0.07
5.50	86.15	0.76	3.73	1.00	0.07	5.52	86.09	0.76	3.73	1.00	0.07
5.54	86.03	0.76	3.74	1.00	0.07	5.56	86.94	0.77	3.70	1.00	0.07
5.58	88.86	0.78	3.62	1.00	0.07	5.60	94.57	0.83	3.40	1.00	0.07
5.62	99.34	0.88	3.23	1.00	0.06	5.64	102.19	0.91	2.40	1.00	0.05
5.66	104.46	0.94	1.86	1.00	0.04	5.68	105.32	0.95	1.72	1.00	0.03
5.70	106.38	0.97	1.57	1.00	0.03	5.72	107.15	0.98	1.47	1.00	0.03
5.74	108.37	0.99	1.34	1.00	0.03	5.76	112.89	1.06	0.98	1.00	0.02
5.78	117.93	1.15	0.72	1.00	0.01	5.80	122.21	1.24	0.56	1.00	0.01
5.82	122.68	1.25	0.54	1.00	0.01	5.84	123.85	1.27	0.51	1.00	0.01
5.86	123.62	1.27	0.51	1.00	0.01	5.88	125.76	1.32	0.45	1.00	0.01
5.90	126.51	1.34	0.42	1.00	0.01	5.92	127.45	1.36	0.40	1.00	0.01
5.94	124.21	1.28	0.49	1.00	0.01	5.96	117.58	1.14	0.74	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.98	110.38	1.02	1.17	1.00	0.02	6.00	100.58	0.89	3.15	1.00	0.06
6.02	91.83	0.80	3.50	1.00	0.07	6.04	83.73	0.74	3.84	1.00	0.08
6.06	76.22	0.68	4.20	1.00	0.08	6.08	75.47	0.68	4.24	1.00	0.08
6.10	73.87	0.67	4.33	1.00	0.09	6.12	71.71	0.66	4.45	1.00	0.09
6.14	69.31	0.64	4.59	1.00	0.09	6.16	69.06	0.64	4.61	1.00	0.09
6.18	68.97	0.64	4.61	1.00	0.09	6.20	71.84	0.66	4.44	1.00	0.09
6.22	75.18	0.68	4.25	1.00	0.09	6.24	74.84	0.67	4.27	1.00	0.09
6.26	70.90	0.65	4.50	1.00	0.09	6.28	69.24	0.64	4.60	1.00	0.09
6.30	71.34	0.65	4.47	1.00	0.09	6.32	72.20	0.66	4.42	1.00	0.09
6.34	73.19	0.66	4.36	1.00	0.09	6.36	73.79	0.67	4.33	1.00	0.09
6.38	74.87	0.67	4.27	1.00	0.09	6.40	72.93	0.66	4.38	1.00	0.09
6.42	71.78	0.65	4.44	1.00	0.09	6.44	70.09	0.64	4.54	1.00	0.09
6.46	74.24	0.67	4.31	1.00	0.09	6.48	80.99	0.71	3.96	1.00	0.08
6.50	84.99	0.74	3.78	1.00	0.08	6.52	84.83	0.74	3.79	1.00	0.08
6.54	80.10	0.71	4.00	1.00	0.08	6.56	73.30	0.66	4.36	1.00	0.09
6.58	70.82	0.65	4.50	1.00	0.09	6.60	70.82	0.65	4.50	1.00	0.09
6.62	70.82	0.65	4.50	1.00	0.09	6.64	70.81	0.65	4.50	1.00	0.09
6.66	70.89	0.65	4.50	1.00	0.09	6.68	70.97	0.65	4.49	1.00	0.09
6.70	71.72	0.65	4.45	1.00	0.09	6.72	72.20	0.66	4.42	1.00	0.09
6.74	79.87	0.70	4.02	1.00	0.08	6.76	75.29	0.67	4.25	1.00	0.08
6.78	78.51	0.70	4.08	1.00	0.08	6.80	79.55	0.70	4.03	1.00	0.08
6.82	80.58	0.71	3.98	1.00	0.08	6.84	81.60	0.72	3.93	1.00	0.08
6.86	80.77	0.71	3.97	1.00	0.08	6.88	80.56	0.71	3.98	1.00	0.08
6.90	80.47	0.71	3.99	1.00	0.08	6.92	80.38	0.71	3.99	1.00	0.08
6.94	80.55	0.71	3.98	1.00	0.08	6.96	81.03	0.71	3.96	1.00	0.08
6.98	77.81	0.69	4.12	1.00	0.08	7.00	76.20	0.68	4.20	1.00	0.08
7.02	76.05	0.68	4.21	1.00	0.08	7.04	75.63	0.68	4.23	1.00	0.08
7.06	75.55	0.68	4.23	1.00	0.08	7.08	75.48	0.68	4.24	1.00	0.08
7.10	77.18	0.69	4.15	1.00	0.08	7.12	79.89	0.70	4.01	1.00	0.08
7.14	83.29	0.73	3.86	1.00	0.08	7.16	84.17	0.74	3.82	1.00	0.08
7.18	82.58	0.72	3.89	1.00	0.08	7.20	81.63	0.72	3.93	1.00	0.08
7.22	81.16	0.71	3.95	1.00	0.08	7.24	81.05	0.71	3.96	1.00	0.08
7.26	80.93	0.71	3.96	1.00	0.08	7.28	80.95	0.71	3.96	1.00	0.08
7.30	80.66	0.71	3.98	1.00	0.08	7.32	78.27	0.69	4.09	1.00	0.08
7.34	75.14	0.67	4.26	1.00	0.09	7.36	74.12	0.67	4.31	1.00	0.09
7.38	74.85	0.67	4.27	1.00	0.09	7.40	73.85	0.67	4.33	1.00	0.09
7.42	73.29	0.66	4.36	1.00	0.09	7.44	73.05	0.66	4.37	1.00	0.09
7.46	72.77	0.66	4.39	1.00	0.09	7.48	72.99	0.66	4.37	1.00	0.09
7.50	72.10	0.66	4.43	1.00	0.09	7.52	73.46	0.66	4.35	1.00	0.09
7.54	75.44	0.68	4.24	1.00	0.08	7.56	75.93	0.68	4.21	1.00	0.08
7.58	75.89	0.68	4.22	1.00	0.08	7.60	75.91	0.68	4.22	1.00	0.08
7.62	75.89	0.68	4.22	1.00	0.08	7.64	74.98	0.67	4.26	1.00	0.09
7.66	75.09	0.67	4.26	1.00	0.09	7.68	74.07	0.67	4.31	1.00	0.09
7.70	74.39	0.67	4.30	1.00	0.09	7.72	73.51	0.66	4.35	1.00	0.09
7.74	75.09	0.67	4.26	1.00	0.09	7.76	74.22	0.67	4.31	1.00	0.09
7.78	74.15	0.67	4.31	1.00	0.09	7.80	74.17	0.67	4.31	1.00	0.09
7.82	74.20	0.67	4.31	1.00	0.09	7.84	74.15	0.67	4.31	1.00	0.09
7.86	72.99	0.66	4.37	1.00	0.09	7.88	70.62	0.65	4.51	1.00	0.09
7.90	70.98	0.65	4.49	1.00	0.09	7.92	72.77	0.66	4.39	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.94	76.71	0.69	4.17	1.00	0.08	7.96	80.16	0.71	4.00	1.00	0.08
7.98	84.07	0.74	3.82	1.00	0.08	8.00	88.91	0.78	3.62	1.00	0.07
8.02	92.20	0.81	3.49	1.00	0.07	8.04	97.25	0.86	3.31	1.00	0.07
8.06	101.11	0.90	2.92	1.00	0.06	8.08	105.72	0.95	1.70	1.00	0.03
8.10	105.77	0.95	1.69	1.00	0.03	8.12	104.76	0.94	1.85	1.00	0.04
8.14	103.99	0.93	2.00	1.00	0.04	8.16	95.34	0.84	3.37	1.00	0.07
8.18	91.23	0.80	3.52	1.00	0.07	8.20	103.80	0.93	2.03	1.00	0.04
8.22	111.37	1.04	1.09	1.00	0.02	8.24	115.95	1.11	0.81	1.00	0.02
8.26	120.59	1.20	0.62	1.00	0.01	8.28	123.30	1.26	0.52	1.00	0.01
8.30	127.20	1.36	0.40	1.00	0.01	8.32	131.10	1.47	0.30	1.00	0.01
8.34	132.33	1.50	0.27	1.00	0.01	8.36	131.45	1.48	0.29	1.00	0.01
8.38	126.79	1.35	0.41	1.00	0.01	8.40	120.52	1.20	0.61	1.00	0.01
8.42	114.90	1.10	0.86	1.00	0.02	8.44	113.58	1.07	0.93	1.00	0.02
8.46	112.96	1.06	0.97	1.00	0.02	8.48	111.44	1.04	1.06	1.00	0.02
8.50	110.44	1.03	1.14	1.00	0.02	8.52	109.88	1.02	1.18	1.00	0.02
8.54	109.79	1.02	1.19	1.00	0.02	8.56	109.70	1.02	1.19	1.00	0.02
8.58	109.84	1.02	1.18	1.00	0.02	8.60	112.87	1.07	0.96	1.00	0.02
8.62	119.74	1.19	0.64	1.00	0.01	8.64	124.55	1.30	0.47	1.00	0.01
8.66	127.50	1.37	0.39	1.00	0.01	8.68	128.50	1.40	0.36	1.00	0.01
8.70	129.50	1.43	0.33	1.00	0.01	8.72	130.56	1.46	0.30	1.00	0.01
8.74	126.74	1.35	0.40	1.00	0.01	8.76	123.16	1.27	0.51	1.00	0.01
8.78	116.32	1.13	0.77	1.00	0.02	8.80	107.71	0.99	1.36	1.00	0.03
8.82	106.09	0.97	1.54	1.00	0.03	8.84	101.70	0.92	2.43	1.00	0.05
8.86	95.61	0.85	3.36	1.00	0.07	8.88	91.98	0.82	3.50	1.00	0.07
8.90	88.52	0.78	3.63	1.00	0.07	8.92	84.95	0.76	3.78	1.00	0.08
8.94	79.57	0.72	4.03	1.00	0.08	8.96	76.91	0.70	4.16	1.00	0.08
8.98	75.87	0.69	4.22	1.00	0.08	9.00	75.01	0.69	4.26	1.00	0.09
9.02	73.41	0.68	4.35	1.00	0.09	9.04	71.13	0.66	4.48	1.00	0.09
9.06	68.20	0.64	4.66	1.00	0.09	9.08	69.68	0.65	4.57	1.00	0.09
9.10	75.18	0.69	4.25	1.00	0.08	9.12	81.54	0.73	3.94	1.00	0.08
9.14	82.33	0.74	3.90	1.00	0.08	9.16	81.32	0.73	3.95	1.00	0.08
9.18	78.70	0.71	4.07	1.00	0.08	9.20	75.99	0.69	4.21	1.00	0.08
9.22	73.25	0.68	4.36	1.00	0.09	9.24	73.21	0.68	4.36	1.00	0.09
9.26	73.28	0.68	4.36	1.00	0.09	9.28	17.58	2.00	0.00	1.00	0.00
9.30	17.60	2.00	0.00	1.00	0.00	9.32	18.87	2.00	0.00	1.00	0.00
9.34	21.38	2.00	0.00	1.00	0.00	9.36	80.72	0.73	3.97	1.00	0.08
9.38	85.97	0.77	3.74	1.00	0.07	9.40	89.92	0.80	3.58	1.00	0.07
9.42	93.59	0.84	3.44	1.00	0.07	9.44	95.31	0.85	3.37	1.00	0.07
9.46	95.12	0.85	3.38	1.00	0.07	9.48	87.80	0.78	3.66	1.00	0.07
9.50	80.99	0.73	3.96	1.00	0.08	9.52	73.09	0.68	4.37	1.00	0.09
9.54	70.85	0.66	4.50	1.00	0.09	9.56	70.97	0.67	4.49	1.00	0.09
9.58	74.38	0.69	4.30	1.00	0.09	9.60	77.19	0.71	4.15	1.00	0.08
9.62	80.48	0.73	3.99	1.00	0.08	9.64	81.92	0.74	3.92	1.00	0.08
9.66	82.47	0.74	3.89	1.00	0.08	9.68	82.81	0.75	3.88	1.00	0.08
9.70	83.49	0.75	3.85	1.00	0.08	9.72	86.92	0.78	3.70	1.00	0.07
9.74	85.23	0.77	3.77	1.00	0.08	9.76	85.21	0.77	3.77	1.00	0.08
9.78	85.25	0.77	3.77	1.00	0.08	9.80	85.63	0.77	3.75	1.00	0.07
9.82	86.00	0.77	3.74	1.00	0.07	9.84	88.19	0.79	3.65	1.00	0.07
9.85	88.96	0.80	3.61	1.00	0.07	9.87	88.93	0.80	3.62	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.89	88.70	0.80	3.62	1.00	0.07	9.91	87.88	0.79	3.66	1.00	0.07
9.93	86.73	0.78	3.71	1.00	0.07	9.95	85.25	0.77	3.77	1.00	0.08
9.97	83.98	0.76	3.82	1.00	0.08	9.99	82.92	0.75	3.87	1.00	0.08
10.01	82.33	0.75	3.90	1.00	0.08	10.03	81.78	0.74	3.92	1.00	0.08
10.05	81.12	0.74	3.96	1.00	0.08	10.07	80.69	0.74	3.98	1.00	0.08
10.09	80.39	0.73	3.99	1.00	0.08	10.11	79.76	0.73	4.02	1.00	0.08
10.13	79.21	0.73	4.05	1.00	0.08	10.15	78.30	0.72	4.09	1.00	0.08
10.17	77.49	0.71	4.13	1.00	0.08	10.19	76.50	0.71	4.18	1.00	0.08
10.21	75.24	0.70	4.25	1.00	0.08	10.23	74.30	0.69	4.30	1.00	0.09
10.25	73.56	0.69	4.34	1.00	0.09	10.27	73.21	0.69	4.36	1.00	0.09
10.29	73.05	0.69	4.37	1.00	0.09	10.31	72.98	0.69	4.37	1.00	0.09
10.33	72.93	0.69	4.38	1.00	0.09	10.35	73.03	0.69	4.37	1.00	0.09
10.37	72.96	0.69	4.38	1.00	0.09	10.39	72.99	0.69	4.37	1.00	0.09
10.41	73.09	0.69	4.37	1.00	0.09	10.43	73.15	0.69	4.37	1.00	0.09
10.45	73.14	0.69	4.37	1.00	0.09	10.47	73.31	0.69	4.36	1.00	0.09
10.49	73.70	0.69	4.33	1.00	0.09	10.51	74.15	0.70	4.31	1.00	0.09
10.53	74.92	0.70	4.27	1.00	0.09	10.55	75.92	0.71	4.21	1.00	0.08
10.57	77.57	0.72	4.13	1.00	0.08	10.59	78.88	0.73	4.06	1.00	0.08
10.61	80.63	0.74	3.98	1.00	0.08	10.63	82.31	0.75	3.90	1.00	0.08
10.65	83.76	0.77	3.83	1.00	0.08	10.67	84.71	0.77	3.79	1.00	0.08
10.69	85.76	0.78	3.75	1.00	0.07	10.71	85.50	0.78	3.76	1.00	0.08
10.73	85.69	0.78	3.75	1.00	0.07	10.75	85.26	0.78	3.77	1.00	0.08
10.77	86.20	0.79	3.73	1.00	0.07	10.79	86.65	0.79	3.71	1.00	0.07
10.81	87.19	0.80	3.69	1.00	0.07	10.83	87.42	0.80	3.68	1.00	0.07
10.85	87.38	0.80	3.68	1.00	0.07	10.87	88.84	0.81	3.62	1.00	0.07
10.89	87.14	0.80	3.69	1.00	0.07	10.91	86.20	0.79	3.73	1.00	0.07
10.93	84.14	0.77	3.82	1.00	0.08	10.95	84.06	0.77	3.82	1.00	0.08
10.97	84.04	0.77	3.82	1.00	0.08	10.99	84.08	0.77	3.82	1.00	0.08
11.01	83.90	0.77	3.83	1.00	0.08	11.03	83.60	0.77	3.84	1.00	0.08
11.05	81.18	0.75	3.95	1.00	0.08	11.07	78.85	0.74	4.07	1.00	0.08
11.09	76.42	0.72	4.19	1.00	0.08	11.11	74.67	0.71	4.28	1.00	0.09
11.13	73.22	0.70	4.36	1.00	0.09	11.15	72.99	0.70	4.37	1.00	0.09
11.17	74.43	0.71	4.29	1.00	0.09	11.19	76.91	0.72	4.16	1.00	0.08
11.21	80.17	0.75	4.00	1.00	0.08	11.23	81.66	0.76	3.93	1.00	0.08
11.25	80.97	0.75	3.96	1.00	0.08	11.27	78.11	0.73	4.10	1.00	0.08
11.29	77.34	0.73	4.14	1.00	0.08	11.31	78.49	0.74	4.08	1.00	0.08
11.33	77.95	0.73	4.11	1.00	0.08	11.35	78.44	0.74	4.09	1.00	0.08
11.37	79.11	0.74	4.05	1.00	0.08	11.39	81.54	0.76	3.94	1.00	0.08
11.41	83.02	0.77	3.87	1.00	0.08	11.43	83.81	0.78	3.83	1.00	0.08
11.45	83.98	0.78	3.82	1.00	0.08	11.47	83.94	0.78	3.83	1.00	0.08
11.49	83.88	0.78	3.83	1.00	0.08	11.51	83.59	0.78	3.84	1.00	0.08
11.53	82.15	0.77	3.91	1.00	0.08	11.55	77.70	0.74	4.12	1.00	0.08
11.57	74.80	0.72	4.27	1.00	0.09	11.59	85.73	0.80	3.75	1.00	0.07
11.61	93.68	0.87	3.43	1.00	0.07	11.63	105.24	1.01	1.28	1.00	0.03
11.65	110.77	1.09	0.89	1.00	0.02	11.67	112.08	1.11	0.82	1.00	0.02
11.69	110.77	1.09	0.88	1.00	0.02	11.71	107.88	1.05	1.05	1.00	0.02
11.73	102.67	0.98	1.56	1.00	0.03	11.75	87.15	0.81	3.69	1.00	0.07
11.77	83.68	0.79	3.84	1.00	0.08	11.79	82.68	0.78	3.88	1.00	0.08
11.81	83.30	0.78	3.86	1.00	0.08	11.83	82.16	0.78	3.91	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.85	78.23	0.75	4.10	1.00	0.08	11.87	73.48	0.71	4.35	1.00	0.09
11.89	71.44	0.70	4.46	1.00	0.09	11.91	70.96	0.70	4.49	1.00	0.09
11.93	70.86	0.70	4.50	1.00	0.09	11.95	70.84	0.70	4.50	1.00	0.09
11.97	70.85	0.70	4.50	1.00	0.09	11.99	71.99	0.71	4.43	1.00	0.09
12.01	78.51	0.75	4.08	1.00	0.08	12.03	85.30	0.80	3.77	1.00	0.08
12.05	93.52	0.88	3.44	1.00	0.07	12.07	97.69	0.93	2.54	1.00	0.05
12.09	99.96	0.95	1.91	1.00	0.04	12.11	103.31	1.00	1.40	1.00	0.03
12.13	108.48	1.07	0.97	1.00	0.02	12.15	112.43	1.13	0.76	1.00	0.02
12.17	115.50	1.19	0.64	1.00	0.01	12.19	117.90	1.24	0.55	1.00	0.01
12.21	124.98	1.40	0.35	1.00	0.01	12.23	136.25	1.76	0.10	1.00	0.00
12.25	145.27	2.00	0.00	1.00	0.00	12.27	153.67	2.00	0.00	1.00	0.00
12.29	157.32	2.00	0.00	1.00	0.00	12.31	161.76	2.00	0.00	1.00	0.00
12.33	163.26	2.00	0.00	1.00	0.00	12.35	165.42	2.00	0.00	1.00	0.00
12.37	167.31	2.00	0.00	1.00	0.00	12.39	168.80	2.00	0.00	1.00	0.00
12.41	167.45	2.00	0.00	1.00	0.00	12.43	167.05	2.00	0.00	1.00	0.00
12.45	166.91	2.00	0.00	1.00	0.00	12.47	166.83	2.00	0.00	1.00	0.00
12.49	166.75	2.00	0.00	1.00	0.00	12.51	166.65	2.00	0.00	1.00	0.00
12.53	166.55	2.00	0.00	1.00	0.00	12.55	166.52	2.00	0.00	1.00	0.00
12.57	166.94	2.00	0.00	1.00	0.00	12.59	167.99	2.00	0.00	1.00	0.00
12.61	170.42	2.00	0.00	1.00	0.00	12.63	168.40	2.00	0.00	1.00	0.00
12.65	168.57	2.00	0.00	1.00	0.00	12.67	168.75	2.00	0.00	1.00	0.00
12.69	172.24	2.00	0.00	1.00	0.00	12.71	171.75	2.00	0.00	1.00	0.00
12.73	167.37	2.00	0.00	1.00	0.00	12.75	160.51	2.00	0.00	1.00	0.00
12.77	160.17	2.00	0.00	1.00	0.00	12.79	160.18	2.00	0.00	1.00	0.00
12.81	160.19	2.00	0.00	1.00	0.00	12.83	160.35	2.00	0.00	1.00	0.00
12.85	160.78	2.00	0.00	1.00	0.00	12.87	164.94	2.00	0.00	1.00	0.00
12.89	180.06	2.00	0.00	1.00	0.00	12.91	186.81	2.00	0.00	1.00	0.00
12.93	188.14	2.00	0.00	1.00	0.00	12.95	190.29	2.00	0.00	1.00	0.00
12.97	182.58	2.00	0.00	1.00	0.00	12.99	179.07	2.00	0.00	1.00	0.00
13.01	178.61	2.00	0.00	1.00	0.00	13.03	171.09	2.00	0.00	1.00	0.00
13.05	165.43	2.00	0.00	1.00	0.00	13.07	161.34	2.00	0.00	1.00	0.00
13.09	152.04	2.00	0.00	1.00	0.00	13.11	139.76	1.96	0.01	1.00	0.00
13.13	134.94	1.76	0.11	1.00	0.00	13.15	130.31	1.59	0.20	1.00	0.00
13.17	122.81	1.38	0.37	1.00	0.01	13.19	117.62	1.27	0.51	1.00	0.01
13.21	103.72	1.03	1.15	1.00	0.02	13.23	99.84	0.98	1.56	1.00	0.03
13.24	93.81	0.91	3.43	1.00	0.07	13.26	89.10	0.87	3.61	1.00	0.07
13.28	86.60	0.85	3.71	1.00	0.07	13.30	86.26	0.84	3.73	1.00	0.07
13.32	85.93	0.84	3.74	1.00	0.07	13.34	86.02	0.84	3.74	1.00	0.07
13.36	86.18	0.84	3.73	1.00	0.07	13.38	86.33	0.85	3.72	1.00	0.07
13.40	87.02	0.85	3.69	1.00	0.07	13.42	88.63	0.87	3.63	1.00	0.07
13.44	91.95	0.90	3.50	1.00	0.07	13.46	98.53	0.97	1.70	1.00	0.03
13.48	103.12	1.03	1.16	1.00	0.02	13.50	109.64	1.13	0.77	1.00	0.02
13.52	115.22	1.23	0.56	1.00	0.01	13.54	119.55	1.32	0.44	1.00	0.01
13.56	120.47	1.34	0.41	1.00	0.01	13.58	120.78	1.35	0.40	1.00	0.01
13.60	122.97	1.40	0.35	1.00	0.01	13.62	126.86	1.51	0.26	1.00	0.01
13.64	130.55	1.62	0.18	1.00	0.00	13.66	134.51	1.77	0.10	1.00	0.00
13.68	138.29	1.93	0.03	1.00	0.00	13.70	140.35	2.00	0.00	1.00	0.00
13.72	139.75	1.99	0.00	1.00	0.00	13.74	140.41	2.00	0.00	1.00	0.00
13.76	141.06	2.00	0.00	1.00	0.00	13.78	139.59	1.99	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.80	138.79	1.95	0.02	1.00	0.00	13.82	137.40	1.89	0.04	1.00	0.00
13.84	137.30	1.89	0.04	1.00	0.00	13.86	135.06	1.80	0.09	1.00	0.00
13.88	135.46	1.82	0.08	1.00	0.00	13.90	130.45	1.63	0.17	1.00	0.00
13.92	129.90	1.62	0.18	1.00	0.00	13.94	129.62	1.61	0.19	1.00	0.00
13.96	129.74	1.61	0.19	1.00	0.00	13.98	129.87	1.62	0.18	1.00	0.00
14.00	130.21	1.63	0.18	1.00	0.00	14.02	134.50	1.78	0.09	1.00	0.00
14.04	133.18	1.74	0.12	1.00	0.00	14.06	136.01	1.85	0.06	1.00	0.00
14.08	140.49	2.00	0.00	1.00	0.00	14.10	139.94	2.00	0.00	1.00	0.00
14.12	135.76	1.84	0.07	1.00	0.00	14.14	132.98	1.73	0.12	1.00	0.00
14.16	128.77	1.59	0.20	1.00	0.00	14.18	128.87	1.59	0.20	1.00	0.00
14.20	128.96	1.60	0.20	1.00	0.00	14.22	129.31	1.61	0.19	1.00	0.00
14.24	131.71	1.69	0.14	1.00	0.00	14.26	136.75	1.89	0.04	1.00	0.00
14.28	147.52	2.00	0.00	1.00	0.00	14.30	158.19	2.00	0.00	1.00	0.00
14.32	161.91	2.00	0.00	1.00	0.00	14.34	160.83	2.00	0.00	1.00	0.00
14.36	156.79	2.00	0.00	1.00	0.00	14.38	154.46	2.00	0.00	1.00	0.00
14.40	152.07	2.00	0.00	1.00	0.00	14.42	151.87	2.00	0.00	1.00	0.00
14.44	150.71	2.00	0.00	1.00	0.00	14.46	150.26	2.00	0.00	1.00	0.00
14.48	149.81	2.00	0.00	1.00	0.00	14.50	149.43	2.00	0.00	1.00	0.00
14.52	148.21	2.00	0.00	1.00	0.00	14.54	147.91	2.00	0.00	1.00	0.00
14.56	147.91	2.00	0.00	1.00	0.00	14.58	147.92	2.00	0.00	1.00	0.00
14.60	148.06	2.00	0.00	1.00	0.00	14.62	150.94	2.00	0.00	1.00	0.00
14.64	153.63	2.00	0.00	1.00	0.00	14.66	153.03	2.00	0.00	1.00	0.00
14.68	153.83	2.00	0.00	1.00	0.00	14.70	154.62	2.00	0.00	1.00	0.00
14.72	155.02	2.00	0.00	1.00	0.00	14.74	155.41	2.00	0.00	1.00	0.00
14.76	152.90	2.00	0.00	1.00	0.00	14.78	151.64	2.00	0.00	1.00	0.00
14.80	149.59	2.00	0.00	1.00	0.00	14.82	148.90	2.00	0.00	1.00	0.00
14.84	147.23	2.00	0.00	1.00	0.00	14.86	145.34	2.00	0.00	1.00	0.00
14.88	139.98	2.00	0.00	1.00	0.00	14.90	132.49	1.76	0.10	1.00	0.00
14.92	121.92	1.43	0.32	1.00	0.01	14.94	113.90	1.26	0.51	1.00	0.01
14.96	104.32	1.10	0.87	1.00	0.02	14.98	103.21	1.08	0.93	1.00	0.02
15.00	102.65	1.07	0.96	1.00	0.02	15.02	102.57	1.07	0.96	1.00	0.02
15.04	103.01	1.08	0.93	1.00	0.02	15.06	103.44	1.09	0.90	1.00	0.02
15.08	112.13	1.23	0.56	1.00	0.01	15.10	120.45	1.41	0.34	1.00	0.01
15.12	134.57	1.85	0.06	1.00	0.00	15.14	143.56	2.00	0.00	1.00	0.00
15.16	145.34	2.00	0.00	1.00	0.00	15.18	142.18	2.00	0.00	1.00	0.00
15.20	134.51	1.85	0.06	1.00	0.00	15.22	133.84	1.83	0.07	1.00	0.00
15.24	133.60	1.82	0.08	1.00	0.00	15.26	133.36	1.81	0.08	1.00	0.00
15.28	134.21	1.85	0.06	1.00	0.00	15.30	132.91	1.80	0.09	1.00	0.00
15.31	125.58	1.55	0.22	1.00	0.00	15.33	115.00	1.30	0.46	1.00	0.01
15.35	110.18	1.21	0.60	1.00	0.01	15.37	109.67	1.20	0.61	1.00	0.01
15.39	109.40	1.19	0.62	1.00	0.01	15.41	109.42	1.19	0.62	1.00	0.01
15.43	109.44	1.20	0.62	1.00	0.01	15.45	114.00	1.28	0.48	1.00	0.01
15.47	116.30	1.33	0.42	1.00	0.01	15.49	114.90	1.30	0.45	1.00	0.01
15.51	110.02	1.21	0.59	1.00	0.01	15.53	108.42	1.18	0.64	1.00	0.01
15.55	107.62	1.17	0.67	1.00	0.01	15.57	107.39	1.17	0.67	1.00	0.01
15.59	108.67	1.19	0.63	1.00	0.01	15.61	109.95	1.21	0.59	1.00	0.01
15.63	115.31	1.31	0.44	1.00	0.01	15.65	115.78	1.33	0.42	1.00	0.01
15.67	116.57	1.34	0.40	1.00	0.01	15.69	121.09	1.45	0.30	1.00	0.01
15.71	126.32	1.59	0.20	1.00	0.00	15.73	130.25	1.72	0.12	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.75	125.70	1.58	0.21	1.00	0.00	15.77	118.13	1.38	0.36	1.00	0.01
15.79	112.91	1.27	0.49	1.00	0.01	15.81	110.67	1.23	0.55	1.00	0.01
15.83	109.18	1.21	0.59	1.00	0.01	15.85	104.27	1.13	0.77	1.00	0.02
15.87	96.66	1.03	1.24	1.00	0.02	15.89	87.35	0.92	3.68	1.00	0.07
15.91	80.03	0.86	4.01	1.00	0.08	15.93	91.80	0.97	1.96	1.00	0.04
15.95	85.28	0.91	3.77	1.00	0.07	15.97	82.34	0.88	3.90	1.00	0.08
15.99	80.98	0.87	3.96	1.00	0.08	16.01	80.86	0.87	3.97	1.00	0.08
16.03	82.94	0.89	3.87	1.00	0.08	16.05	85.77	0.91	3.75	1.00	0.07
16.07	94.12	1.00	1.48	1.00	0.03	16.09	94.03	1.00	1.49	1.00	0.03
16.11	81.21	0.87	3.95	1.00	0.08						

Total estimated settlement: 32.33

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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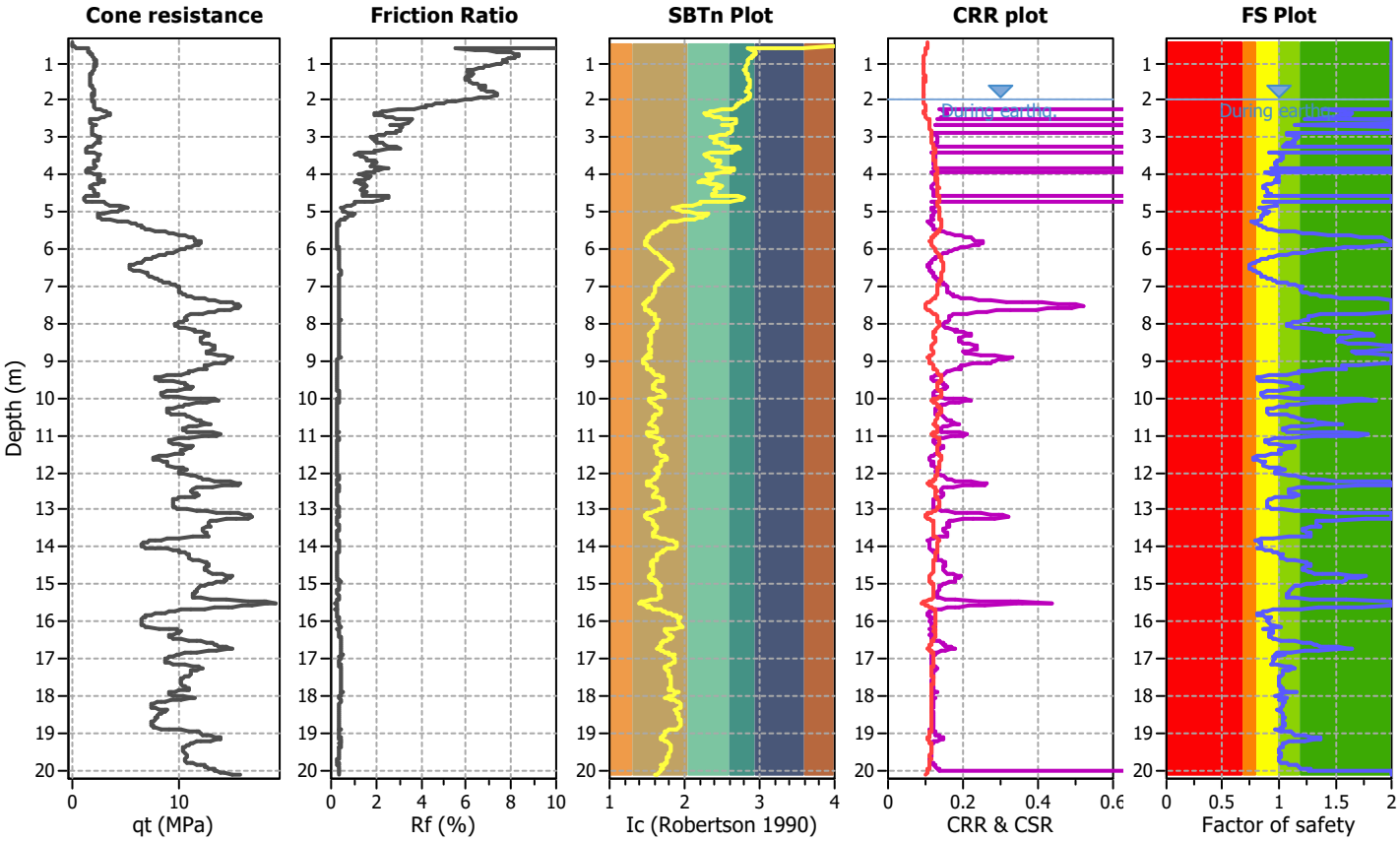
LIQUEFACTION ANALYSIS REPORT

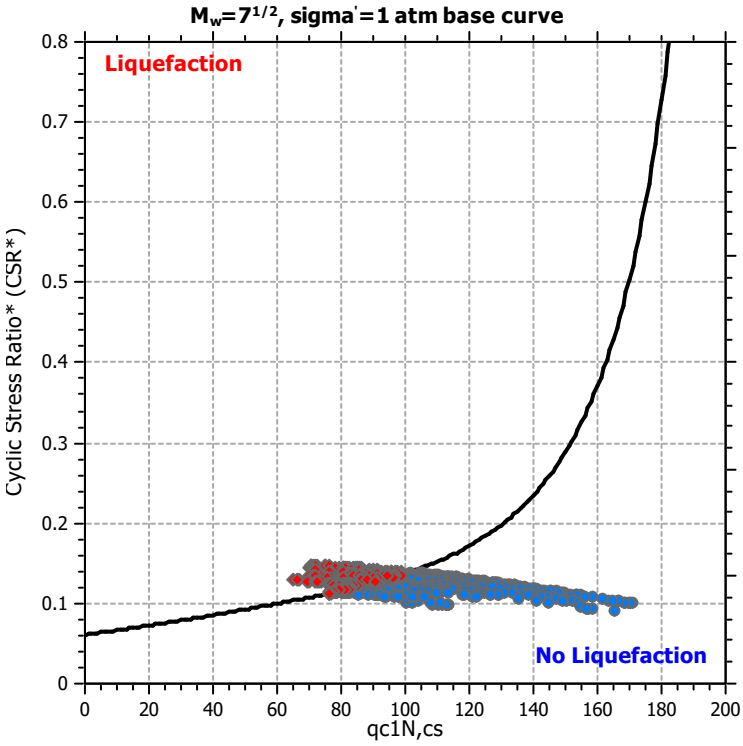
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

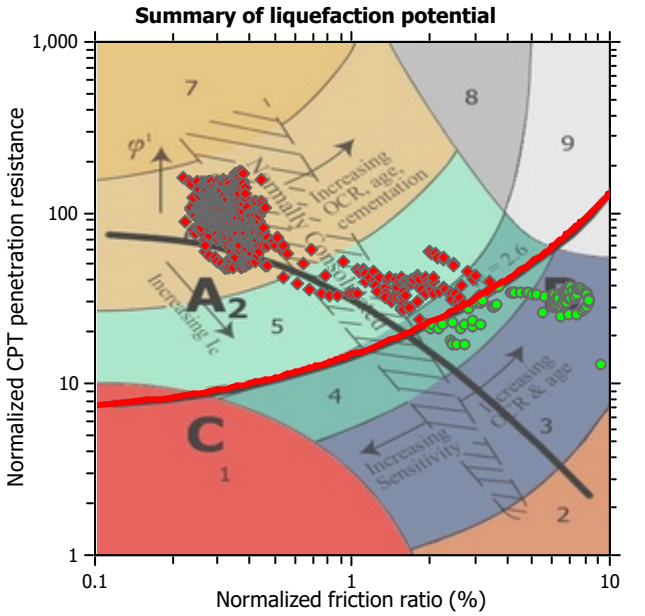
CPT file : P311 - CPTu-17

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.14	Unit weight calculation:	Based on SBT	K_σ applied:	No		

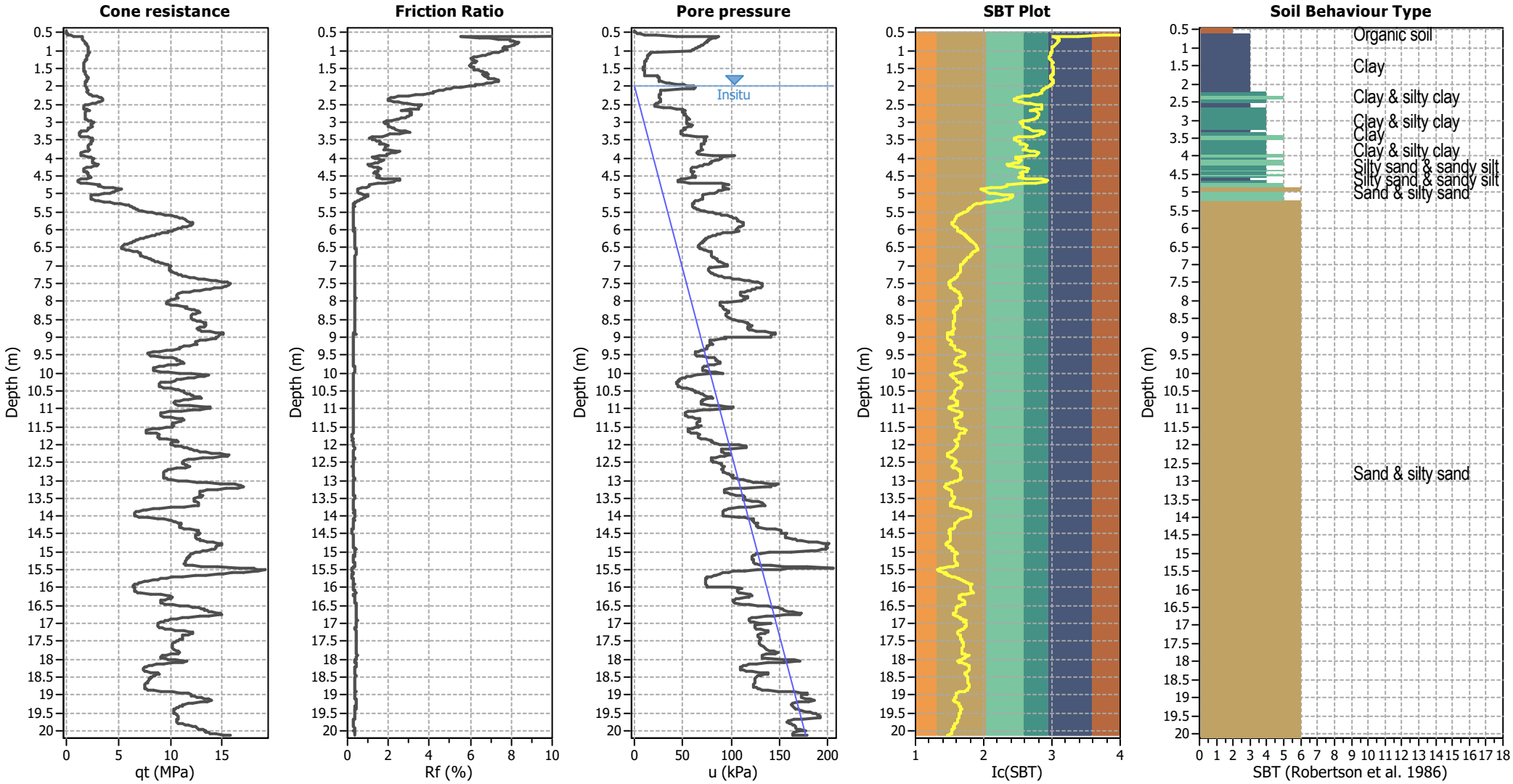






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



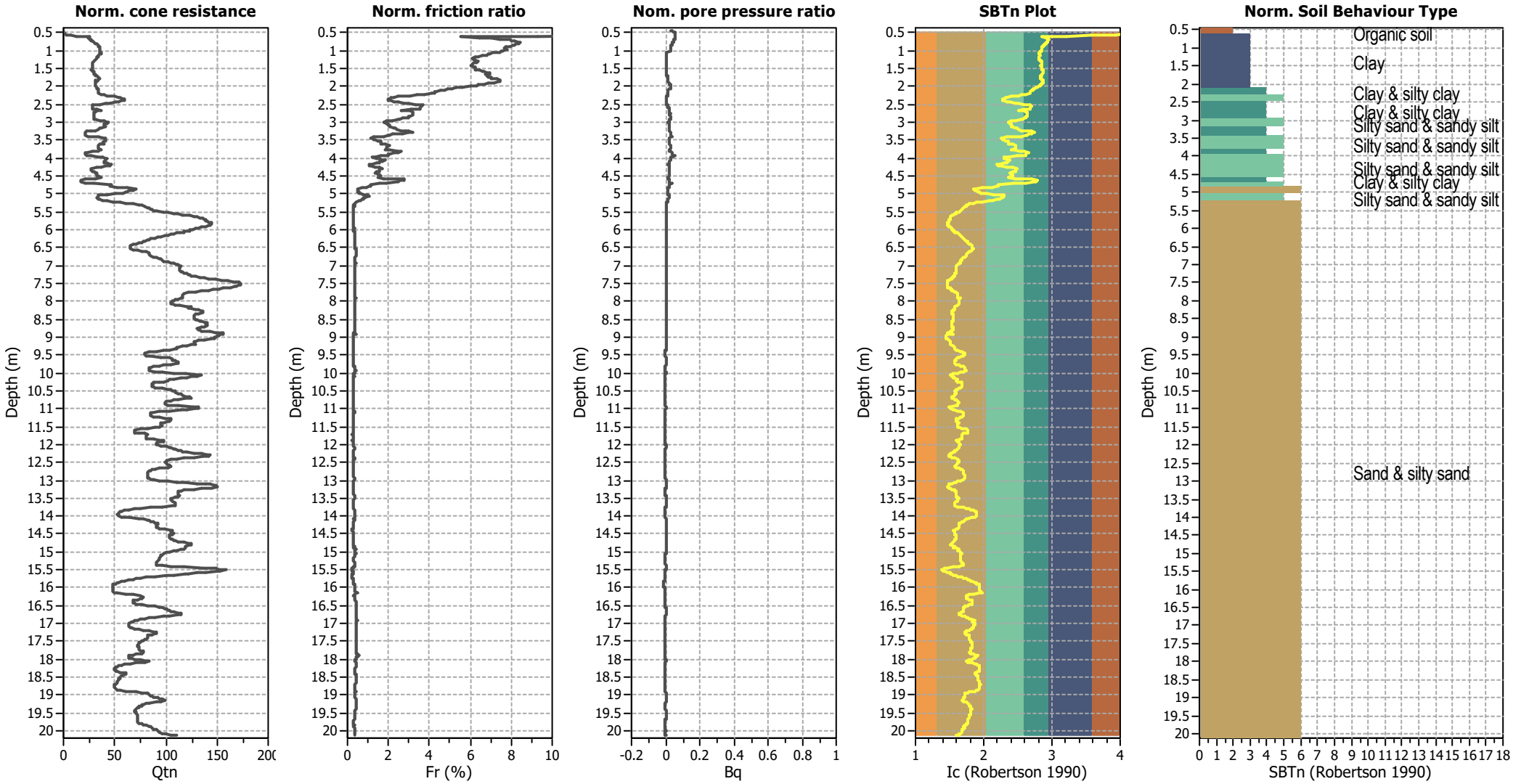
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



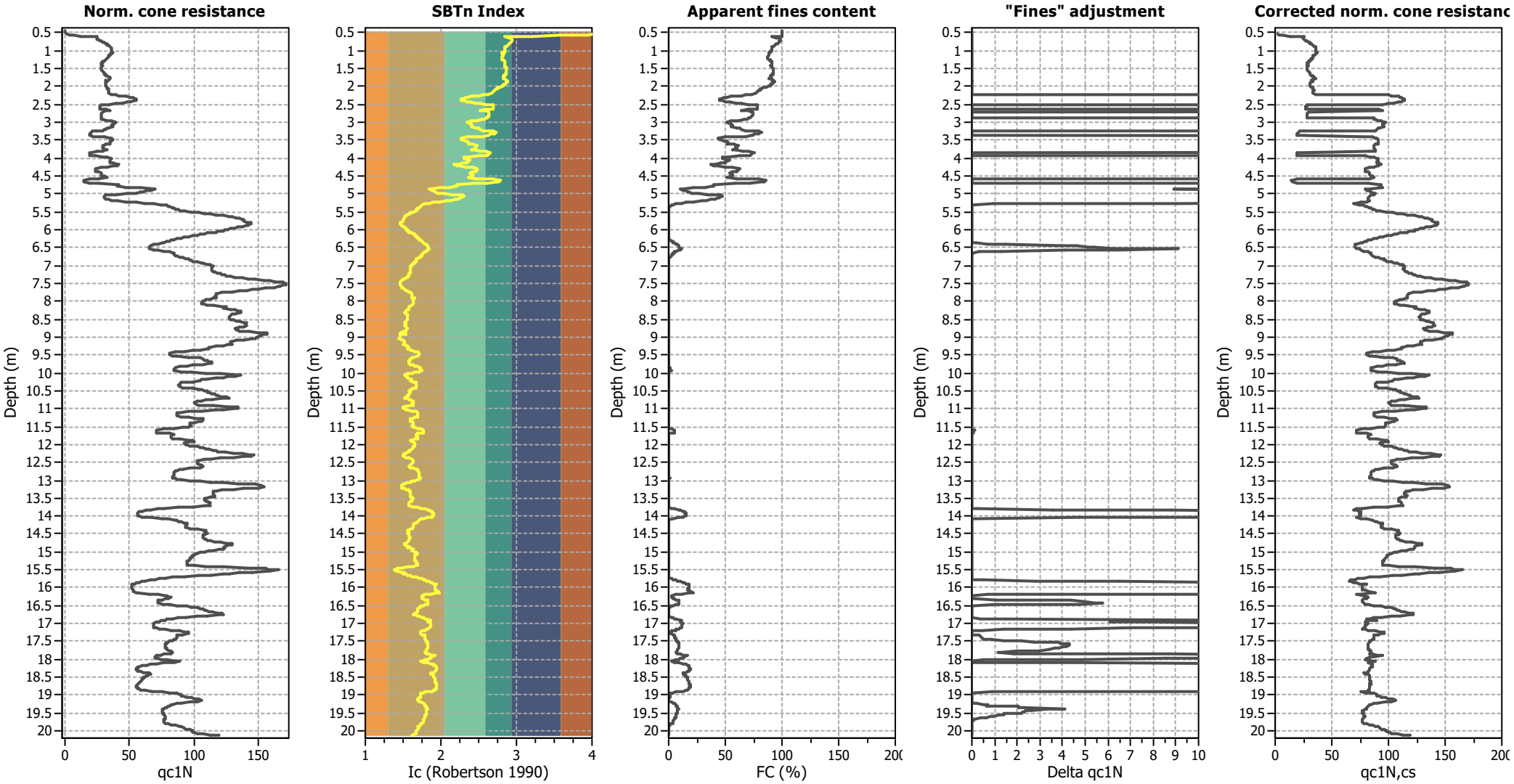
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

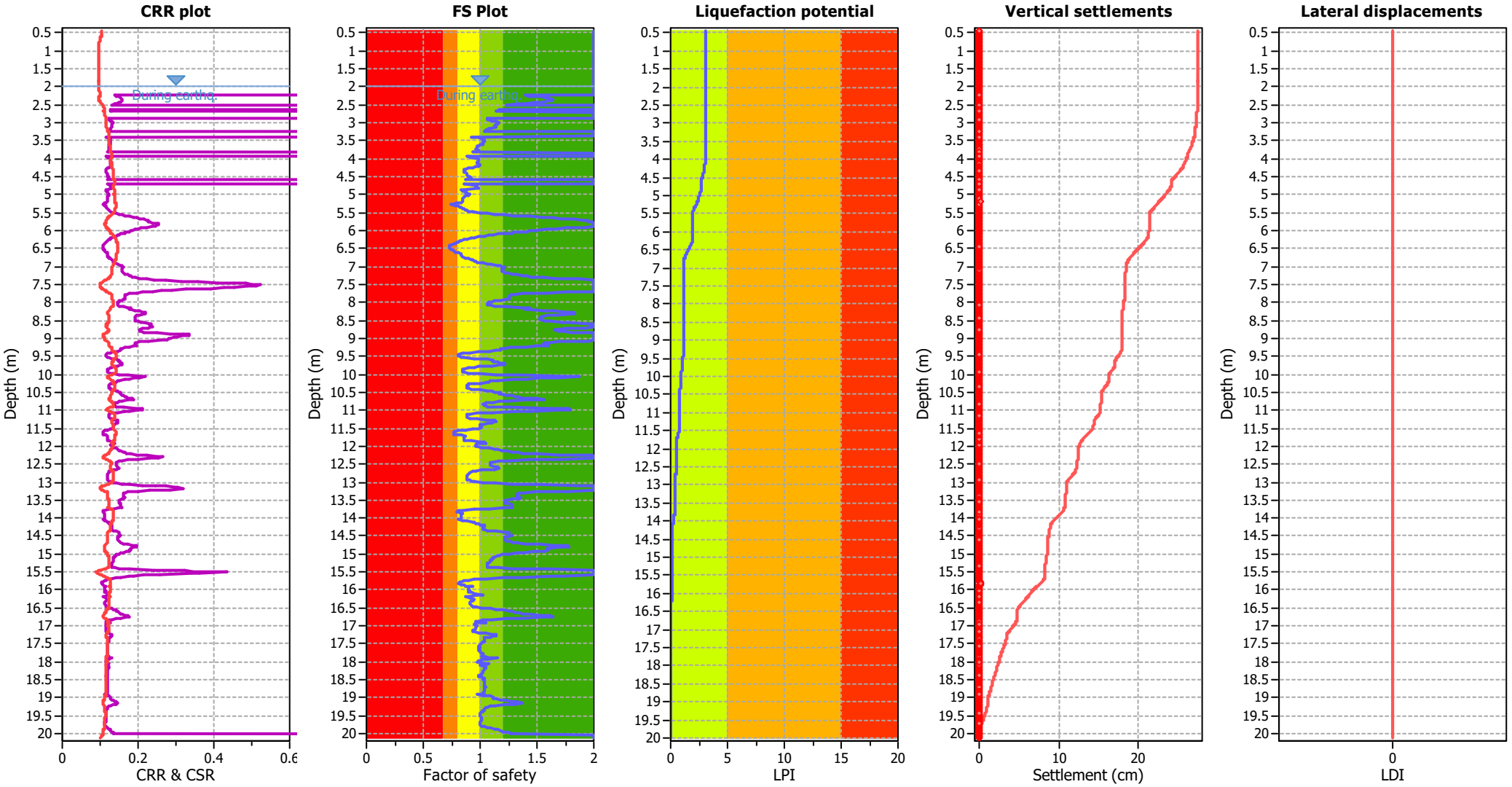
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

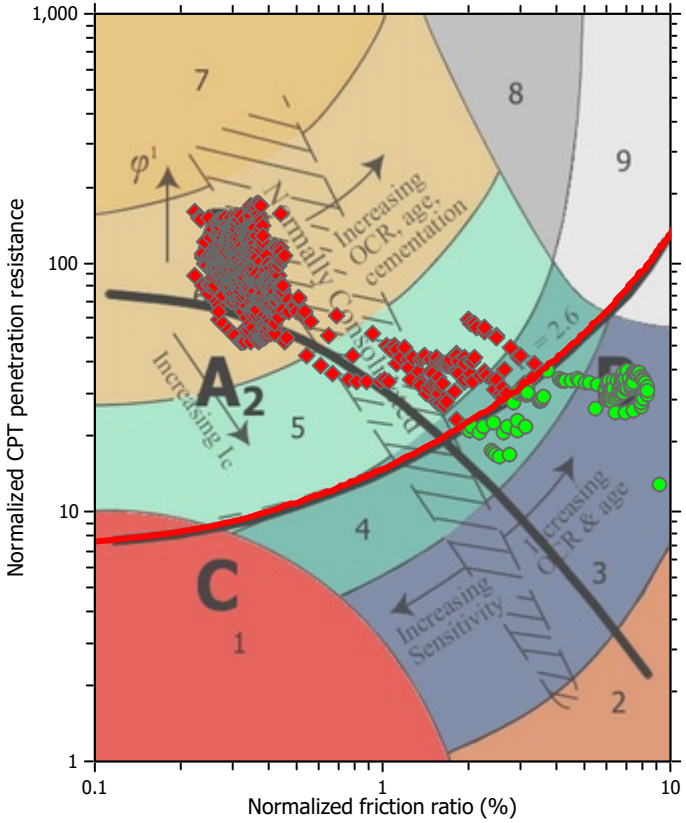
F.S. color scheme

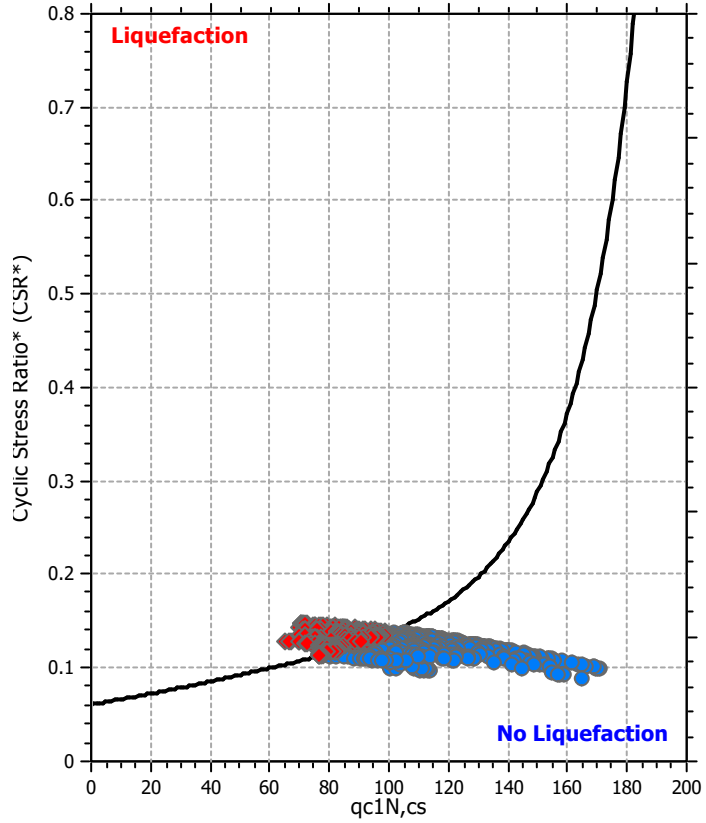
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

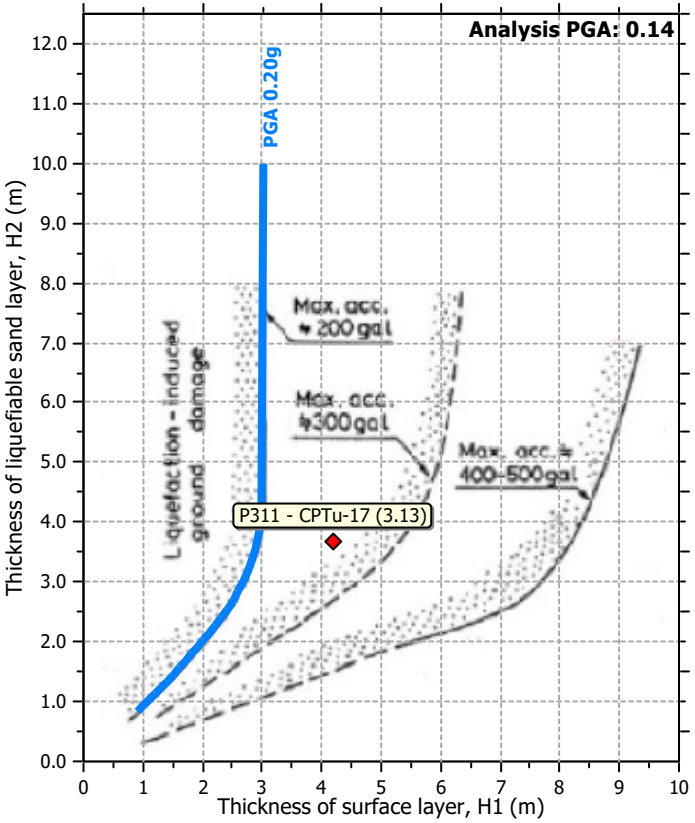
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



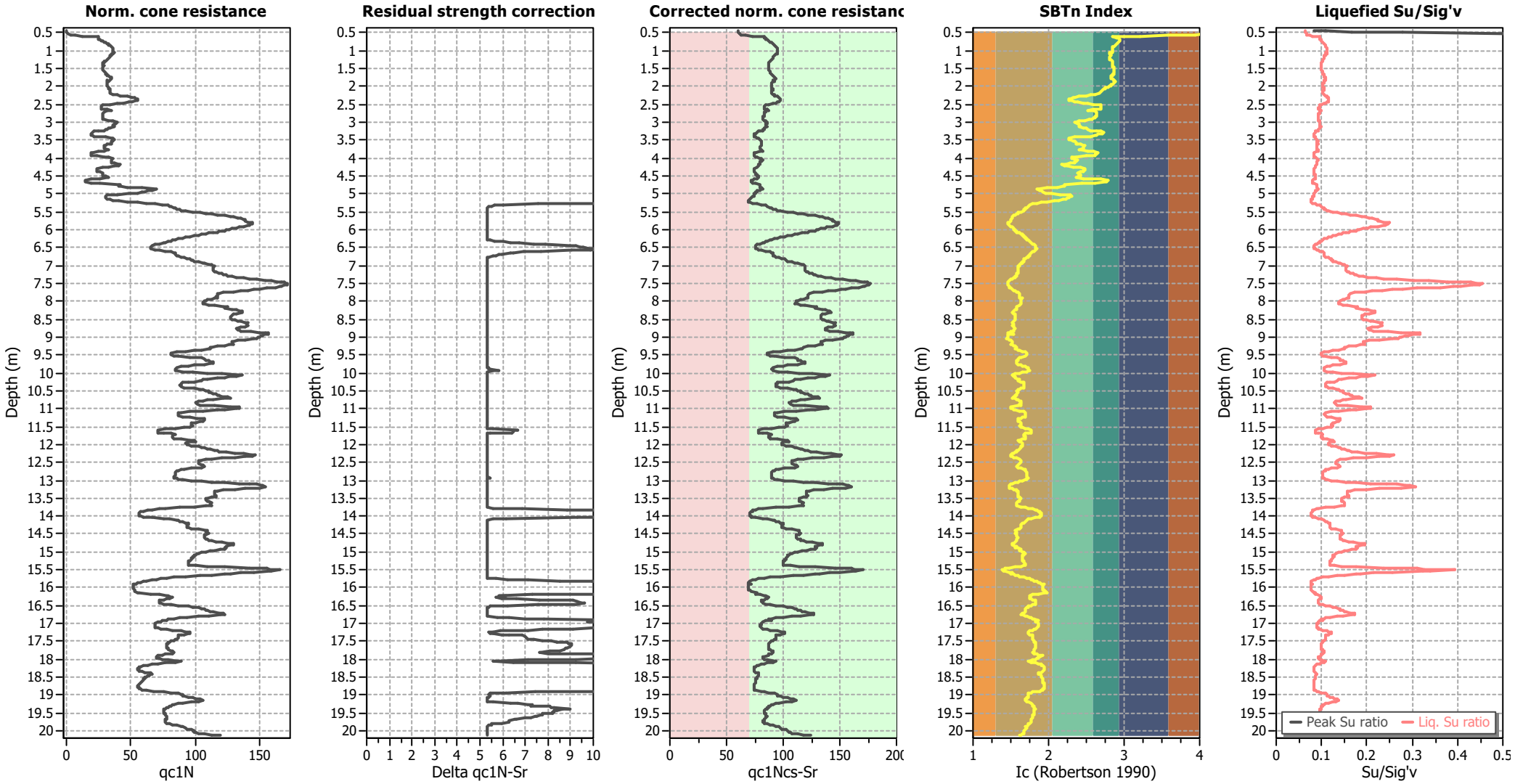




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.14	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.44	2.00	0.00	0.00	0.02	0.00	0.46	2.00	0.00	0.00	0.02	0.00
0.48	2.00	0.00	0.00	0.02	0.00	0.50	2.00	0.00	0.00	0.02	0.00
0.52	2.00	0.00	0.00	0.02	0.00	0.54	2.00	0.00	0.00	0.02	0.00
0.56	2.00	0.00	0.00	0.02	0.00	0.58	2.00	0.00	0.00	0.02	0.00
0.60	2.00	0.00	0.00	0.02	0.00	0.62	2.00	0.00	0.00	0.02	0.00
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	1.39	0.00	0.00	0.02	0.00	2.26	1.43	0.00	0.00	0.02	0.00
2.28	1.54	0.00	0.00	0.02	0.00	2.30	1.58	0.00	0.00	0.02	0.00
2.32	1.60	0.00	0.00	0.02	0.00	2.34	1.63	0.00	0.00	0.02	0.00
2.36	1.64	0.00	0.00	0.02	0.00	2.38	1.63	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.40	1.60	0.00	0.00	0.02	0.00	2.42	1.55	0.00	0.00	0.02	0.00
2.44	1.49	0.00	0.00	0.02	0.00	2.46	1.40	0.00	0.00	0.02	0.00
2.48	1.33	0.00	0.00	0.02	0.00	2.50	1.23	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	1.16	0.00	0.00	0.02	0.00	2.66	1.21	0.00	0.00	0.02	0.00
2.68	1.15	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	1.07	0.00	0.00	0.02	0.00	2.90	1.06	0.00	0.00	0.02	0.00
2.92	1.07	0.00	0.00	0.02	0.00	2.94	1.10	0.00	0.00	0.02	0.00
2.96	1.14	0.00	0.00	0.02	0.00	2.98	1.17	0.00	0.00	0.02	0.00
3.00	1.17	0.00	0.00	0.02	0.00	3.02	1.16	0.00	0.00	0.02	0.00
3.04	1.14	0.00	0.00	0.02	0.00	3.06	1.13	0.00	0.00	0.02	0.00
3.08	1.13	0.00	0.00	0.02	0.00	3.10	1.13	0.00	0.00	0.02	0.00
3.12	1.14	0.00	0.00	0.02	0.00	3.14	1.09	0.00	0.00	0.02	0.00
3.16	1.07	0.00	0.00	0.02	0.00	3.18	1.06	0.00	0.00	0.02	0.00
3.20	1.05	0.00	0.00	0.02	0.00	3.22	1.03	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	0.92	0.00	0.00	0.02	0.01	3.42	0.98	0.00	0.00	0.02	0.00
3.44	1.01	0.00	0.00	0.02	0.00	3.46	1.03	0.00	0.00	0.02	0.00
3.48	1.03	0.00	0.00	0.02	0.00	3.50	1.03	0.00	0.00	0.02	0.00
3.52	1.04	0.00	0.00	0.02	0.00	3.54	1.03	0.00	0.00	0.02	0.00
3.56	1.02	0.00	0.00	0.02	0.00	3.59	1.03	0.00	0.00	0.03	0.00
3.60	1.02	0.00	0.00	0.01	0.00	3.62	1.00	0.00	0.00	0.02	0.00
3.64	0.99	0.00	0.00	0.02	0.00	3.66	0.98	0.00	0.00	0.02	0.00
3.68	0.97	0.00	0.00	0.02	0.00	3.70	0.97	0.00	0.00	0.02	0.00
3.72	0.97	0.00	0.00	0.02	0.00	3.74	0.97	0.00	0.00	0.02	0.01
3.76	0.99	0.00	0.00	0.02	0.00	3.78	0.99	0.00	0.00	0.02	0.00
3.80	0.98	0.00	0.00	0.02	0.00	3.82	0.93	0.00	0.00	0.02	0.01
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	0.89	0.00	0.00	0.02	0.02
3.96	0.92	0.00	0.00	0.02	0.01	3.98	0.95	0.00	0.00	0.02	0.01
4.00	0.98	0.00	0.00	0.02	0.00	4.02	0.99	0.00	0.00	0.02	0.00
4.04	0.99	0.00	0.00	0.02	0.00	4.06	0.99	0.00	0.00	0.02	0.00
4.08	0.98	0.00	0.00	0.02	0.00	4.10	0.97	0.00	0.00	0.02	0.00
4.12	0.97	0.00	0.00	0.02	0.00	4.14	0.98	0.00	0.00	0.02	0.00
4.16	1.00	0.00	0.00	0.02	0.00	4.18	1.00	0.00	0.00	0.02	0.00
4.20	0.98	0.00	0.00	0.02	0.00	4.22	0.96	0.00	0.00	0.02	0.01
4.24	0.93	0.00	0.00	0.02	0.01	4.26	0.90	0.00	0.00	0.02	0.02
4.28	0.87	0.00	0.00	0.02	0.02	4.30	0.86	0.00	0.00	0.02	0.02
4.32	0.86	0.00	0.00	0.02	0.02	4.34	0.86	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.36	0.86	0.00	0.00	0.02	0.02	4.38	0.87	0.00	0.00	0.02	0.02
4.40	0.89	0.00	0.00	0.02	0.02	4.42	0.89	0.00	0.00	0.02	0.02
4.44	0.89	0.00	0.00	0.02	0.02	4.46	0.89	0.00	0.00	0.02	0.02
4.48	0.89	0.00	0.00	0.02	0.02	4.50	0.91	0.00	0.00	0.02	0.01
4.52	0.92	0.00	0.00	0.02	0.01	4.54	0.92	0.00	0.00	0.02	0.01
4.56	0.88	0.00	0.00	0.02	0.02	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	0.86	0.00	0.00	0.02	0.02	4.74	0.96	0.00	0.00	0.02	0.01
4.76	0.97	0.00	0.00	0.02	0.00	4.78	0.96	0.00	0.00	0.02	0.01
4.80	0.96	0.00	0.00	0.02	0.01	4.82	0.99	0.00	0.00	0.02	0.00
4.84	0.97	0.00	0.00	0.02	0.00	4.86	0.86	0.00	0.00	0.02	0.02
4.88	0.83	0.00	0.00	0.02	0.03	4.90	0.85	0.00	0.00	0.02	0.02
4.92	0.86	0.00	0.00	0.02	0.02	4.94	0.88	0.00	0.00	0.02	0.02
4.96	0.88	0.00	0.00	0.02	0.02	4.98	0.89	0.00	0.00	0.02	0.02
5.00	0.91	0.00	0.00	0.02	0.01	5.02	0.90	0.00	0.00	0.02	0.01
5.04	0.87	0.00	0.00	0.02	0.02	5.06	0.86	0.00	0.00	0.02	0.02
5.08	0.86	0.00	0.00	0.02	0.02	5.10	0.85	0.00	0.00	0.02	0.02
5.12	0.85	0.00	0.00	0.02	0.02	5.14	0.85	0.00	0.00	0.02	0.02
5.16	0.85	0.00	0.00	0.02	0.02	5.19	0.85	0.00	0.00	0.03	0.03
5.20	0.85	0.00	0.00	0.01	0.01	5.22	0.83	0.00	0.00	0.02	0.02
5.24	0.79	0.00	0.00	0.02	0.03	5.26	0.76	0.00	0.00	0.02	0.04
5.28	0.75	0.00	0.00	0.02	0.04	5.30	0.78	0.00	0.00	0.02	0.03
5.32	0.81	0.00	0.00	0.02	0.03	5.34	0.82	0.00	0.00	0.02	0.03
5.36	0.83	0.00	0.00	0.02	0.02	5.38	0.85	0.00	0.00	0.02	0.02
5.40	0.86	0.00	0.00	0.02	0.02	5.42	0.87	0.00	0.00	0.02	0.02
5.44	0.89	0.00	0.00	0.02	0.02	5.46	0.90	0.00	0.00	0.02	0.01
5.48	0.93	0.00	0.00	0.02	0.01	5.50	1.00	0.00	0.00	0.02	0.00
5.52	1.07	0.00	0.00	0.02	0.00	5.54	1.13	0.00	0.00	0.02	0.00
5.56	1.22	0.00	0.00	0.02	0.00	5.58	1.30	0.00	0.00	0.02	0.00
5.60	1.43	0.00	0.00	0.02	0.00	5.62	1.55	0.00	0.00	0.02	0.00
5.64	1.63	0.00	0.00	0.02	0.00	5.66	1.72	0.00	0.00	0.02	0.00
5.68	1.82	0.00	0.00	0.02	0.00	5.70	1.91	0.00	0.00	0.02	0.00
5.72	1.94	0.00	0.00	0.02	0.00	5.74	1.95	0.00	0.00	0.02	0.00
5.76	1.99	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	1.92	0.00	0.00	0.02	0.00
5.92	1.76	0.00	0.00	0.02	0.00	5.94	1.67	0.00	0.00	0.02	0.00
5.96	1.58	0.00	0.00	0.02	0.00	5.98	1.49	0.00	0.00	0.02	0.00
6.00	1.44	0.00	0.00	0.02	0.00	6.02	1.41	0.00	0.00	0.02	0.00
6.04	1.30	0.00	0.00	0.02	0.00	6.06	1.28	0.00	0.00	0.02	0.00
6.08	1.22	0.00	0.00	0.02	0.00	6.10	1.16	0.00	0.00	0.02	0.00
6.12	1.12	0.00	0.00	0.02	0.00	6.14	1.07	0.00	0.00	0.02	0.00
6.16	1.04	0.00	0.00	0.02	0.00	6.18	0.99	0.00	0.00	0.02	0.00
6.20	0.95	0.00	0.00	0.02	0.01	6.22	0.92	0.00	0.00	0.02	0.01
6.24	0.89	0.00	0.00	0.02	0.02	6.26	0.86	0.00	0.00	0.02	0.02
6.28	0.84	0.00	0.00	0.02	0.02	6.30	0.82	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.32	0.81	0.00	0.00	0.02	0.03	6.34	0.80	0.00	0.00	0.02	0.03
6.36	0.78	0.00	0.00	0.02	0.03	6.38	0.77	0.00	0.00	0.02	0.03
6.40	0.75	0.00	0.00	0.02	0.03	6.42	0.73	0.00	0.00	0.02	0.04
6.44	0.73	0.00	0.00	0.02	0.04	6.46	0.73	0.00	0.00	0.02	0.04
6.48	0.73	0.00	0.00	0.02	0.04	6.50	0.73	0.00	0.00	0.02	0.04
6.52	0.74	0.00	0.00	0.02	0.04	6.54	0.76	0.00	0.00	0.02	0.03
6.56	0.76	0.00	0.00	0.02	0.03	6.58	0.77	0.00	0.00	0.02	0.03
6.60	0.78	0.00	0.00	0.02	0.03	6.62	0.81	0.00	0.00	0.02	0.03
6.64	0.83	0.00	0.00	0.02	0.02	6.66	0.83	0.00	0.00	0.02	0.02
6.68	0.84	0.00	0.00	0.02	0.02	6.70	0.84	0.00	0.00	0.02	0.02
6.72	0.84	0.00	0.00	0.02	0.02	6.74	0.85	0.00	0.00	0.02	0.02
6.76	0.87	0.00	0.00	0.02	0.02	6.78	0.90	0.00	0.00	0.02	0.01
6.80	0.92	0.00	0.00	0.02	0.01	6.82	0.94	0.00	0.00	0.02	0.01
6.84	0.96	0.00	0.00	0.02	0.01	6.86	0.96	0.00	0.00	0.02	0.00
6.88	0.98	0.00	0.00	0.02	0.00	6.90	1.02	0.00	0.00	0.02	0.00
6.92	1.06	0.00	0.00	0.02	0.00	6.94	1.09	0.00	0.00	0.02	0.00
6.96	1.15	0.00	0.00	0.02	0.00	6.98	1.18	0.00	0.00	0.02	0.00
7.00	1.19	0.00	0.00	0.02	0.00	7.02	1.21	0.00	0.00	0.02	0.00
7.04	1.20	0.00	0.00	0.02	0.00	7.06	1.20	0.00	0.00	0.02	0.00
7.08	1.20	0.00	0.00	0.02	0.00	7.10	1.19	0.00	0.00	0.02	0.00
7.12	1.20	0.00	0.00	0.02	0.00	7.14	1.20	0.00	0.00	0.02	0.00
7.16	1.22	0.00	0.00	0.02	0.00	7.18	1.25	0.00	0.00	0.02	0.00
7.20	1.28	0.00	0.00	0.02	0.00	7.22	1.33	0.00	0.00	0.02	0.00
7.24	1.37	0.00	0.00	0.02	0.00	7.26	1.41	0.00	0.00	0.02	0.00
7.28	1.45	0.00	0.00	0.02	0.00	7.30	1.55	0.00	0.00	0.02	0.00
7.32	1.67	0.00	0.00	0.02	0.00	7.34	1.87	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	1.76	0.00	0.00	0.02	0.00	7.74	1.57	0.00	0.00	0.02	0.00
7.76	1.38	0.00	0.00	0.02	0.00	7.78	1.29	0.00	0.00	0.02	0.00
7.80	1.27	0.00	0.00	0.02	0.00	7.82	1.26	0.00	0.00	0.02	0.00
7.84	1.26	0.00	0.00	0.02	0.00	7.86	1.25	0.00	0.00	0.02	0.00
7.88	1.25	0.00	0.00	0.02	0.00	7.90	1.26	0.00	0.00	0.02	0.00
7.92	1.23	0.00	0.00	0.02	0.00	7.94	1.18	0.00	0.00	0.02	0.00
7.96	1.13	0.00	0.00	0.02	0.00	7.98	1.10	0.00	0.00	0.02	0.00
8.00	1.08	0.00	0.00	0.02	0.00	8.02	1.07	0.00	0.00	0.02	0.00
8.04	1.07	0.00	0.00	0.02	0.00	8.06	1.07	0.00	0.00	0.02	0.00
8.08	1.09	0.00	0.00	0.02	0.00	8.10	1.13	0.00	0.00	0.02	0.00
8.12	1.22	0.00	0.00	0.02	0.00	8.14	1.37	0.00	0.00	0.02	0.00
8.16	1.44	0.00	0.00	0.02	0.00	8.18	1.39	0.00	0.00	0.02	0.00
8.20	1.41	0.00	0.00	0.02	0.00	8.22	1.56	0.00	0.00	0.02	0.00
8.24	1.65	0.00	0.00	0.02	0.00	8.26	1.75	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.28	1.82	0.00	0.00	0.02	0.00	8.30	1.83	0.00	0.00	0.02	0.00
8.32	1.81	0.00	0.00	0.02	0.00	8.34	1.68	0.00	0.00	0.02	0.00
8.36	1.59	0.00	0.00	0.02	0.00	8.38	1.55	0.00	0.00	0.02	0.00
8.40	1.54	0.00	0.00	0.02	0.00	8.42	1.53	0.00	0.00	0.02	0.00
8.44	1.53	0.00	0.00	0.02	0.00	8.46	1.53	0.00	0.00	0.02	0.00
8.48	1.53	0.00	0.00	0.02	0.00	8.50	1.56	0.00	0.00	0.02	0.00
8.52	1.61	0.00	0.00	0.02	0.00	8.54	1.72	0.00	0.00	0.02	0.00
8.56	1.78	0.00	0.00	0.02	0.00	8.58	1.95	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	1.98	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	1.92	0.00	0.00	0.02	0.00
8.72	1.77	0.00	0.00	0.02	0.00	8.74	1.66	0.00	0.00	0.02	0.00
8.76	1.65	0.00	0.00	0.02	0.00	8.78	1.69	0.00	0.00	0.02	0.00
8.80	1.73	0.00	0.00	0.02	0.00	8.82	1.81	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	1.94	0.00	0.00	0.02	0.00	9.10	1.70	0.00	0.00	0.02	0.00
9.12	1.61	0.00	0.00	0.02	0.00	9.14	1.57	0.00	0.00	0.02	0.00
9.16	1.56	0.00	0.00	0.02	0.00	9.18	1.55	0.00	0.00	0.02	0.00
9.20	1.60	0.00	0.00	0.02	0.00	9.22	1.50	0.00	0.00	0.02	0.00
9.24	1.40	0.00	0.00	0.02	0.00	9.26	1.27	0.00	0.00	0.02	0.00
9.28	1.20	0.00	0.00	0.02	0.00	9.30	1.18	0.00	0.00	0.02	0.00
9.32	1.18	0.00	0.00	0.02	0.00	9.34	1.15	0.00	0.00	0.02	0.00
9.36	1.07	0.00	0.00	0.02	0.00	9.38	0.99	0.00	0.00	0.02	0.00
9.40	0.91	0.00	0.00	0.02	0.01	9.42	0.85	0.00	0.00	0.02	0.02
9.44	0.81	0.00	0.00	0.02	0.02	9.46	0.81	0.00	0.00	0.02	0.02
9.48	0.81	0.00	0.00	0.02	0.02	9.50	0.82	0.00	0.00	0.02	0.02
9.52	0.83	0.00	0.00	0.02	0.02	9.54	0.86	0.00	0.00	0.02	0.01
9.56	0.95	0.00	0.00	0.02	0.00	9.58	1.06	0.00	0.00	0.02	0.00
9.60	1.11	0.00	0.00	0.02	0.00	9.62	1.11	0.00	0.00	0.02	0.00
9.64	1.11	0.00	0.00	0.02	0.00	9.66	1.15	0.00	0.00	0.02	0.00
9.68	1.18	0.00	0.00	0.02	0.00	9.70	1.21	0.00	0.00	0.02	0.00
9.72	1.22	0.00	0.00	0.02	0.00	9.74	1.18	0.00	0.00	0.02	0.00
9.76	1.10	0.00	0.00	0.02	0.00	9.78	0.99	0.00	0.00	0.02	0.00
9.80	0.94	0.00	0.00	0.02	0.01	9.82	0.89	0.00	0.00	0.02	0.01
9.84	0.86	0.00	0.00	0.02	0.01	9.86	0.85	0.00	0.00	0.02	0.02
9.88	0.85	0.00	0.00	0.02	0.02	9.90	0.85	0.00	0.00	0.02	0.02
9.92	0.85	0.00	0.00	0.02	0.02	9.94	0.85	0.00	0.00	0.02	0.01
9.96	0.90	0.00	0.00	0.02	0.01	9.98	0.99	0.00	0.00	0.02	0.00
10.00	1.15	0.00	0.00	0.02	0.00	10.02	1.37	0.00	0.00	0.02	0.00
10.04	1.74	0.00	0.00	0.02	0.00	10.06	1.87	0.00	0.00	0.02	0.00
10.08	1.69	0.00	0.00	0.02	0.00	10.10	1.52	0.00	0.00	0.02	0.00
10.12	1.41	0.00	0.00	0.02	0.00	10.14	1.29	0.00	0.00	0.02	0.00
10.16	1.15	0.00	0.00	0.02	0.00	10.18	1.09	0.00	0.00	0.02	0.00
10.20	1.07	0.00	0.00	0.02	0.00	10.22	1.07	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.24	1.01	0.00	0.00	0.02	0.00	10.26	0.95	0.00	0.00	0.02	0.00
10.28	0.90	0.00	0.00	0.02	0.01	10.30	0.89	0.00	0.00	0.02	0.01
10.32	0.89	0.00	0.00	0.02	0.01	10.34	0.89	0.00	0.00	0.02	0.01
10.36	0.89	0.00	0.00	0.02	0.01	10.38	0.89	0.00	0.00	0.02	0.01
10.40	0.90	0.00	0.00	0.02	0.01	10.42	0.92	0.00	0.00	0.02	0.01
10.44	1.00	0.00	0.00	0.02	0.00	10.46	1.06	0.00	0.00	0.02	0.00
10.48	1.10	0.00	0.00	0.02	0.00	10.50	1.13	0.00	0.00	0.02	0.00
10.52	1.17	0.00	0.00	0.02	0.00	10.54	1.17	0.00	0.00	0.02	0.00
10.56	1.18	0.00	0.00	0.02	0.00	10.58	1.24	0.00	0.00	0.02	0.00
10.60	1.28	0.00	0.00	0.02	0.00	10.62	1.31	0.00	0.00	0.02	0.00
10.64	1.34	0.00	0.00	0.02	0.00	10.66	1.37	0.00	0.00	0.02	0.00
10.68	1.51	0.00	0.00	0.02	0.00	10.70	1.56	0.00	0.00	0.02	0.00
10.72	1.39	0.00	0.00	0.02	0.00	10.74	1.24	0.00	0.00	0.02	0.00
10.76	1.17	0.00	0.00	0.02	0.00	10.78	1.11	0.00	0.00	0.02	0.00
10.80	1.05	0.00	0.00	0.02	0.00	10.82	1.03	0.00	0.00	0.02	0.00
10.84	1.03	0.00	0.00	0.02	0.00	10.86	1.04	0.00	0.00	0.02	0.00
10.88	1.05	0.00	0.00	0.02	0.00	10.90	1.07	0.00	0.00	0.02	0.00
10.92	1.26	0.00	0.00	0.02	0.00	10.94	1.58	0.00	0.00	0.02	0.00
10.96	1.79	0.00	0.00	0.02	0.00	10.98	1.79	0.00	0.00	0.02	0.00
11.00	1.70	0.00	0.00	0.02	0.00	11.02	1.45	0.00	0.00	0.02	0.00
11.04	1.32	0.00	0.00	0.02	0.00	11.06	1.11	0.00	0.00	0.02	0.00
11.08	0.97	0.00	0.00	0.02	0.00	11.10	0.91	0.00	0.00	0.02	0.01
11.12	0.89	0.00	0.00	0.02	0.01	11.14	0.88	0.00	0.00	0.02	0.01
11.16	0.88	0.00	0.00	0.02	0.01	11.18	0.89	0.00	0.00	0.02	0.01
11.20	0.89	0.00	0.00	0.02	0.01	11.22	0.91	0.00	0.00	0.02	0.01
11.24	0.98	0.00	0.00	0.02	0.00	11.26	1.05	0.00	0.00	0.02	0.00
11.28	1.13	0.00	0.00	0.02	0.00	11.30	1.13	0.00	0.00	0.02	0.00
11.32	1.13	0.00	0.00	0.02	0.00	11.34	1.11	0.00	0.00	0.02	0.00
11.36	1.08	0.00	0.00	0.02	0.00	11.38	1.03	0.00	0.00	0.02	0.00
11.40	1.00	0.00	0.00	0.02	0.00	11.42	1.00	0.00	0.00	0.02	0.00
11.44	1.00	0.00	0.00	0.02	0.00	11.46	1.00	0.00	0.00	0.02	0.00
11.48	1.01	0.00	0.00	0.02	0.00	11.50	0.99	0.00	0.00	0.02	0.00
11.52	0.93	0.00	0.00	0.02	0.01	11.54	0.87	0.00	0.00	0.02	0.01
11.56	0.81	0.00	0.00	0.02	0.02	11.58	0.77	0.00	0.00	0.02	0.02
11.60	0.77	0.00	0.00	0.02	0.02	11.62	0.77	0.00	0.00	0.02	0.02
11.64	0.77	0.00	0.00	0.02	0.02	11.66	0.77	0.00	0.00	0.02	0.02
11.68	0.80	0.00	0.00	0.02	0.02	11.70	0.84	0.00	0.00	0.02	0.01
11.72	0.87	0.00	0.00	0.02	0.01	11.74	0.86	0.00	0.00	0.02	0.01
11.76	0.86	0.00	0.00	0.02	0.01	11.78	0.85	0.00	0.00	0.02	0.01
11.80	0.85	0.00	0.00	0.02	0.01	11.82	0.86	0.00	0.00	0.02	0.01
11.84	0.86	0.00	0.00	0.02	0.01	11.86	0.92	0.00	0.00	0.02	0.01
11.88	0.99	0.00	0.00	0.02	0.00	11.90	1.03	0.00	0.00	0.02	0.00
11.92	1.05	0.00	0.00	0.02	0.00	11.94	0.98	0.00	0.00	0.02	0.00
11.96	0.96	0.00	0.00	0.02	0.00	11.98	0.96	0.00	0.00	0.02	0.00
12.00	0.96	0.00	0.00	0.02	0.00	12.02	0.98	0.00	0.00	0.02	0.00
12.04	1.01	0.00	0.00	0.02	0.00	12.06	1.08	0.00	0.00	0.02	0.00
12.08	1.12	0.00	0.00	0.02	0.00	12.10	1.15	0.00	0.00	0.02	0.00
12.12	1.19	0.00	0.00	0.02	0.00	12.14	1.23	0.00	0.00	0.02	0.00
12.16	1.28	0.00	0.00	0.02	0.00	12.18	1.33	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.20	1.37	0.00	0.00	0.02	0.00	12.22	1.50	0.00	0.00	0.02	0.00
12.24	1.70	0.00	0.00	0.02	0.00	12.26	1.98	0.00	0.00	0.02	0.00
12.28	2.00	0.00	0.00	0.02	0.00	12.30	2.00	0.00	0.00	0.02	0.00
12.32	2.00	0.00	0.00	0.02	0.00	12.34	2.00	0.00	0.00	0.02	0.00
12.36	1.71	0.00	0.00	0.02	0.00	12.38	1.44	0.00	0.00	0.02	0.00
12.40	1.26	0.00	0.00	0.02	0.00	12.42	1.17	0.00	0.00	0.02	0.00
12.44	1.11	0.00	0.00	0.02	0.00	12.46	1.10	0.00	0.00	0.02	0.00
12.48	1.09	0.00	0.00	0.02	0.00	12.50	1.09	0.00	0.00	0.02	0.00
12.52	1.09	0.00	0.00	0.02	0.00	12.54	1.10	0.00	0.00	0.02	0.00
12.56	1.13	0.00	0.00	0.02	0.00	12.58	1.15	0.00	0.00	0.02	0.00
12.60	1.17	0.00	0.00	0.02	0.00	12.62	1.17	0.00	0.00	0.02	0.00
12.64	1.13	0.00	0.00	0.02	0.00	12.66	1.02	0.00	0.00	0.02	0.00
12.68	0.96	0.00	0.00	0.02	0.00	12.70	0.93	0.00	0.00	0.02	0.01
12.72	0.92	0.00	0.00	0.02	0.01	12.74	0.90	0.00	0.00	0.02	0.01
12.76	0.89	0.00	0.00	0.02	0.01	12.78	0.89	0.00	0.00	0.02	0.01
12.80	0.89	0.00	0.00	0.02	0.01	12.82	0.89	0.00	0.00	0.02	0.01
12.84	0.89	0.00	0.00	0.02	0.01	12.86	0.89	0.00	0.00	0.02	0.01
12.88	0.89	0.00	0.00	0.02	0.01	12.90	0.89	0.00	0.00	0.02	0.01
12.92	0.89	0.00	0.00	0.02	0.01	12.94	0.90	0.00	0.00	0.02	0.01
12.96	0.92	0.00	0.00	0.02	0.01	12.98	0.95	0.00	0.00	0.02	0.00
13.00	1.02	0.00	0.00	0.02	0.00	13.02	1.13	0.00	0.00	0.02	0.00
13.04	1.28	0.00	0.00	0.02	0.00	13.06	1.50	0.00	0.00	0.02	0.00
13.08	1.87	0.00	0.00	0.02	0.00	13.10	2.00	0.00	0.00	0.02	0.00
13.12	2.00	0.00	0.00	0.02	0.00	13.14	2.00	0.00	0.00	0.02	0.00
13.16	2.00	0.00	0.00	0.02	0.00	13.18	2.00	0.00	0.00	0.02	0.00
13.20	2.00	0.00	0.00	0.02	0.00	13.22	2.00	0.00	0.00	0.02	0.00
13.24	2.00	0.00	0.00	0.02	0.00	13.26	1.78	0.00	0.00	0.02	0.00
13.28	1.48	0.00	0.00	0.02	0.00	13.30	1.39	0.00	0.00	0.02	0.00
13.32	1.34	0.00	0.00	0.02	0.00	13.34	1.33	0.00	0.00	0.02	0.00
13.36	1.33	0.00	0.00	0.02	0.00	13.38	1.33	0.00	0.00	0.02	0.00
13.40	1.33	0.00	0.00	0.02	0.00	13.42	1.33	0.00	0.00	0.02	0.00
13.44	1.36	0.00	0.00	0.02	0.00	13.46	1.35	0.00	0.00	0.02	0.00
13.48	1.28	0.00	0.00	0.02	0.00	13.50	1.23	0.00	0.00	0.02	0.00
13.52	1.22	0.00	0.00	0.02	0.00	13.54	1.22	0.00	0.00	0.02	0.00
13.56	1.22	0.00	0.00	0.02	0.00	13.58	1.22	0.00	0.00	0.02	0.00
13.60	1.24	0.00	0.00	0.02	0.00	13.62	1.28	0.00	0.00	0.02	0.00
13.64	1.28	0.00	0.00	0.02	0.00	13.66	1.28	0.00	0.00	0.02	0.00
13.68	1.28	0.00	0.00	0.02	0.00	13.70	1.29	0.00	0.00	0.02	0.00
13.72	1.22	0.00	0.00	0.02	0.00	13.74	1.08	0.00	0.00	0.02	0.00
13.76	0.95	0.00	0.00	0.02	0.00	13.78	0.85	0.00	0.00	0.02	0.01
13.80	0.81	0.00	0.00	0.02	0.01	13.82	0.80	0.00	0.00	0.02	0.01
13.84	0.81	0.00	0.00	0.02	0.01	13.86	0.83	0.00	0.00	0.02	0.01
13.88	0.84	0.00	0.00	0.02	0.01	13.90	0.83	0.00	0.00	0.02	0.01
13.92	0.84	0.00	0.00	0.02	0.01	13.94	0.84	0.00	0.00	0.02	0.01
13.96	0.84	0.00	0.00	0.02	0.01	13.98	0.84	0.00	0.00	0.02	0.01
14.00	0.84	0.00	0.00	0.02	0.01	14.02	0.83	0.00	0.00	0.02	0.01
14.04	0.81	0.00	0.00	0.02	0.01	14.06	0.84	0.00	0.00	0.02	0.01
14.08	0.88	0.00	0.00	0.02	0.01	14.10	0.93	0.00	0.00	0.02	0.00
14.12	0.94	0.00	0.00	0.02	0.00	14.14	0.96	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.16	0.98	0.00	0.00	0.02	0.00	14.18	1.01	0.00	0.00	0.02	0.00
14.20	1.03	0.00	0.00	0.02	0.00	14.22	1.04	0.00	0.00	0.02	0.00
14.24	1.02	0.00	0.00	0.02	0.00	14.26	1.02	0.00	0.00	0.02	0.00
14.28	1.02	0.00	0.00	0.02	0.00	14.30	1.02	0.00	0.00	0.02	0.00
14.32	1.04	0.00	0.00	0.02	0.00	14.34	1.06	0.00	0.00	0.02	0.00
14.36	1.14	0.00	0.00	0.02	0.00	14.38	1.23	0.00	0.00	0.02	0.00
14.40	1.25	0.00	0.00	0.02	0.00	14.42	1.24	0.00	0.00	0.02	0.00
14.44	1.25	0.00	0.00	0.02	0.00	14.46	1.26	0.00	0.00	0.02	0.00
14.48	1.28	0.00	0.00	0.02	0.00	14.50	1.28	0.00	0.00	0.02	0.00
14.52	1.25	0.00	0.00	0.02	0.00	14.54	1.21	0.00	0.00	0.02	0.00
14.56	1.21	0.00	0.00	0.02	0.00	14.58	1.21	0.00	0.00	0.02	0.00
14.60	1.21	0.00	0.00	0.02	0.00	14.62	1.21	0.00	0.00	0.02	0.00
14.64	1.24	0.00	0.00	0.02	0.00	14.66	1.27	0.00	0.00	0.02	0.00
14.68	1.28	0.00	0.00	0.02	0.00	14.70	1.32	0.00	0.00	0.02	0.00
14.72	1.39	0.00	0.00	0.02	0.00	14.74	1.52	0.00	0.00	0.02	0.00
14.76	1.65	0.00	0.00	0.02	0.00	14.78	1.78	0.00	0.00	0.02	0.00
14.80	1.78	0.00	0.00	0.02	0.00	14.82	1.71	0.00	0.00	0.02	0.00
14.84	1.60	0.00	0.00	0.02	0.00	14.86	1.60	0.00	0.00	0.02	0.00
14.88	1.59	0.00	0.00	0.02	0.00	14.90	1.60	0.00	0.00	0.02	0.00
14.92	1.57	0.00	0.00	0.02	0.00	14.94	1.48	0.00	0.00	0.02	0.00
14.96	1.39	0.00	0.00	0.02	0.00	14.98	1.32	0.00	0.00	0.02	0.00
15.00	1.25	0.00	0.00	0.02	0.00	15.02	1.20	0.00	0.00	0.02	0.00
15.04	1.16	0.00	0.00	0.02	0.00	15.06	1.15	0.00	0.00	0.02	0.00
15.08	1.13	0.00	0.00	0.02	0.00	15.10	1.12	0.00	0.00	0.02	0.00
15.12	1.12	0.00	0.00	0.02	0.00	15.14	1.11	0.00	0.00	0.02	0.00
15.16	1.10	0.00	0.00	0.02	0.00	15.18	1.10	0.00	0.00	0.02	0.00
15.20	1.09	0.00	0.00	0.02	0.00	15.22	1.08	0.00	0.00	0.02	0.00
15.24	1.08	0.00	0.00	0.02	0.00	15.26	1.07	0.00	0.00	0.02	0.00
15.28	1.07	0.00	0.00	0.02	0.00	15.30	1.06	0.00	0.00	0.02	0.00
15.32	1.06	0.00	0.00	0.02	0.00	15.34	1.07	0.00	0.00	0.02	0.00
15.36	1.07	0.00	0.00	0.02	0.00	15.38	1.15	0.00	0.00	0.02	0.00
15.40	1.28	0.00	0.00	0.02	0.00	15.42	1.60	0.00	0.00	0.02	0.00
15.44	2.00	0.00	0.00	0.02	0.00	15.46	2.00	0.00	0.00	0.02	0.00
15.48	2.00	0.00	0.00	0.02	0.00	15.50	2.00	0.00	0.00	0.02	0.00
15.52	2.00	0.00	0.00	0.02	0.00	15.54	2.00	0.00	0.00	0.02	0.00
15.56	2.00	0.00	0.00	0.02	0.00	15.58	2.00	0.00	0.00	0.02	0.00
15.60	1.74	0.00	0.00	0.02	0.00	15.62	1.62	0.00	0.00	0.02	0.00
15.64	1.35	0.00	0.00	0.02	0.00	15.66	1.20	0.00	0.00	0.02	0.00
15.68	1.05	0.00	0.00	0.02	0.00	15.70	0.95	0.00	0.00	0.02	0.00
15.72	0.90	0.00	0.00	0.02	0.00	15.74	0.86	0.00	0.00	0.02	0.01
15.76	0.84	0.00	0.00	0.02	0.01	15.78	0.82	0.00	0.00	0.02	0.01
15.80	0.80	0.00	0.00	0.02	0.01	15.82	0.81	0.00	0.00	0.02	0.01
15.84	0.84	0.00	0.00	0.02	0.01	15.86	0.86	0.00	0.00	0.02	0.01
15.88	0.87	0.00	0.00	0.02	0.01	15.90	0.93	0.00	0.00	0.02	0.00
15.92	0.91	0.00	0.00	0.02	0.00	15.94	0.90	0.00	0.00	0.02	0.00
15.96	0.90	0.00	0.00	0.02	0.00	15.98	0.90	0.00	0.00	0.02	0.00
16.00	0.90	0.00	0.00	0.02	0.00	16.02	0.90	0.00	0.00	0.02	0.00
16.04	0.90	0.00	0.00	0.02	0.00	16.06	0.90	0.00	0.00	0.02	0.00
16.08	0.92	0.00	0.00	0.02	0.00	16.10	0.95	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.12	0.95	0.00	0.00	0.02	0.00	16.14	1.02	0.00	0.00	0.02	0.00
16.16	0.98	0.00	0.00	0.02	0.00	16.18	0.89	0.00	0.00	0.02	0.00
16.20	0.87	0.00	0.00	0.02	0.01	16.22	0.91	0.00	0.00	0.02	0.00
16.24	0.92	0.00	0.00	0.02	0.00	16.26	0.95	0.00	0.00	0.02	0.00
16.28	0.95	0.00	0.00	0.02	0.00	16.30	0.94	0.00	0.00	0.02	0.00
16.32	0.92	0.00	0.00	0.02	0.00	16.34	0.91	0.00	0.00	0.02	0.00
16.36	0.91	0.00	0.00	0.02	0.00	16.38	0.91	0.00	0.00	0.02	0.00
16.40	0.91	0.00	0.00	0.02	0.00	16.42	0.92	0.00	0.00	0.02	0.00
16.44	0.93	0.00	0.00	0.02	0.00	16.46	0.94	0.00	0.00	0.02	0.00
16.48	0.96	0.00	0.00	0.02	0.00	16.50	1.01	0.00	0.00	0.02	0.00
16.52	1.09	0.00	0.00	0.02	0.00	16.54	1.14	0.00	0.00	0.02	0.00
16.56	1.21	0.00	0.00	0.02	0.00	16.58	1.25	0.00	0.00	0.02	0.00
16.60	1.29	0.00	0.00	0.02	0.00	16.62	1.31	0.00	0.00	0.02	0.00
16.64	1.34	0.00	0.00	0.02	0.00	16.66	1.38	0.00	0.00	0.02	0.00
16.68	1.43	0.00	0.00	0.02	0.00	16.70	1.53	0.00	0.00	0.02	0.00
16.72	1.62	0.00	0.00	0.02	0.00	16.74	1.64	0.00	0.00	0.02	0.00
16.76	1.55	0.00	0.00	0.02	0.00	16.78	1.36	0.00	0.00	0.02	0.00
16.80	1.23	0.00	0.00	0.02	0.00	16.82	1.10	0.00	0.00	0.02	0.00
16.84	1.03	0.00	0.00	0.02	0.00	16.86	0.99	0.00	0.00	0.02	0.00
16.88	0.96	0.00	0.00	0.02	0.00	16.90	1.06	0.00	0.00	0.02	0.00
16.92	0.96	0.00	0.00	0.02	0.00	16.94	0.94	0.00	0.00	0.02	0.00
16.96	0.95	0.00	0.00	0.02	0.00	16.98	0.97	0.00	0.00	0.02	0.00
17.00	0.97	0.00	0.00	0.02	0.00	17.02	0.96	0.00	0.00	0.02	0.00
17.04	0.96	0.00	0.00	0.02	0.00	17.06	0.96	0.00	0.00	0.02	0.00
17.08	0.96	0.00	0.00	0.02	0.00	17.10	0.95	0.00	0.00	0.02	0.00
17.12	0.94	0.00	0.00	0.02	0.00	17.14	0.94	0.00	0.00	0.02	0.00
17.16	0.95	0.00	0.00	0.02	0.00	17.18	0.98	0.00	0.00	0.02	0.00
17.20	1.05	0.00	0.00	0.02	0.00	17.22	1.10	0.00	0.00	0.02	0.00
17.24	1.14	0.00	0.00	0.02	0.00	17.26	1.14	0.00	0.00	0.02	0.00
17.28	1.12	0.00	0.00	0.02	0.00	17.30	1.09	0.00	0.00	0.02	0.00
17.32	1.06	0.00	0.00	0.02	0.00	17.34	1.04	0.00	0.00	0.02	0.00
17.36	1.04	0.00	0.00	0.02	0.00	17.38	1.04	0.00	0.00	0.02	0.00
17.40	1.04	0.00	0.00	0.02	0.00	17.42	1.04	0.00	0.00	0.02	0.00
17.44	1.04	0.00	0.00	0.02	0.00	17.46	1.03	0.00	0.00	0.02	0.00
17.48	1.02	0.00	0.00	0.02	0.00	17.50	1.01	0.00	0.00	0.02	0.00
17.52	1.00	0.00	0.00	0.02	0.00	17.54	1.00	0.00	0.00	0.02	0.00
17.56	0.99	0.00	0.00	0.02	0.00	17.58	0.99	0.00	0.00	0.02	0.00
17.60	0.99	0.00	0.00	0.02	0.00	17.62	0.99	0.00	0.00	0.02	0.00
17.64	0.99	0.00	0.00	0.02	0.00	17.66	0.99	0.00	0.00	0.02	0.00
17.68	0.99	0.00	0.00	0.02	0.00	17.70	1.00	0.00	0.00	0.02	0.00
17.72	1.00	0.00	0.00	0.02	0.00	17.74	1.00	0.00	0.00	0.02	0.00
17.76	1.01	0.00	0.00	0.02	0.00	17.78	1.02	0.00	0.00	0.02	0.00
17.80	1.03	0.00	0.00	0.02	0.00	17.82	1.03	0.00	0.00	0.02	0.00
17.84	1.02	0.00	0.00	0.02	0.00	17.86	1.04	0.00	0.00	0.02	0.00
17.88	1.08	0.00	0.00	0.02	0.00	17.90	1.15	0.00	0.00	0.02	0.00
17.92	1.06	0.00	0.00	0.02	0.00	17.94	1.02	0.00	0.00	0.02	0.00
17.96	1.01	0.00	0.00	0.02	0.00	17.98	0.99	0.00	0.00	0.02	0.00
18.00	0.97	0.00	0.00	0.02	0.00	18.02	0.98	0.00	0.00	0.02	0.00
18.04	1.05	0.00	0.00	0.02	0.00	18.06	1.08	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.08	1.03	0.00	0.00	0.02	0.00	18.10	1.00	0.00	0.00	0.02	0.00
18.12	1.04	0.00	0.00	0.02	0.00	18.14	1.05	0.00	0.00	0.02	0.00
18.16	1.04	0.00	0.00	0.02	0.00	18.18	1.05	0.00	0.00	0.02	0.00
18.20	1.04	0.00	0.00	0.02	0.00	18.22	1.04	0.00	0.00	0.02	0.00
18.24	1.03	0.00	0.00	0.02	0.00	18.26	1.03	0.00	0.00	0.02	0.00
18.28	1.03	0.00	0.00	0.02	0.00	18.30	1.02	0.00	0.00	0.02	0.00
18.32	1.01	0.00	0.00	0.02	0.00	18.34	1.02	0.00	0.00	0.02	0.00
18.36	1.01	0.00	0.00	0.02	0.00	18.38	0.98	0.00	0.00	0.02	0.00
18.40	0.99	0.00	0.00	0.02	0.00	18.42	1.01	0.00	0.00	0.02	0.00
18.44	1.03	0.00	0.00	0.02	0.00	18.46	1.03	0.00	0.00	0.02	0.00
18.48	1.03	0.00	0.00	0.02	0.00	18.50	1.03	0.00	0.00	0.02	0.00
18.52	1.03	0.00	0.00	0.02	0.00	18.54	1.04	0.00	0.00	0.02	0.00
18.56	1.04	0.00	0.00	0.02	0.00	18.58	1.04	0.00	0.00	0.02	0.00
18.60	1.04	0.00	0.00	0.02	0.00	18.62	1.04	0.00	0.00	0.02	0.00
18.64	1.04	0.00	0.00	0.02	0.00	18.66	1.04	0.00	0.00	0.02	0.00
18.68	1.04	0.00	0.00	0.02	0.00	18.70	1.04	0.00	0.00	0.02	0.00
18.72	1.05	0.00	0.00	0.02	0.00	18.74	1.04	0.00	0.00	0.02	0.00
18.76	1.04	0.00	0.00	0.02	0.00	18.78	1.04	0.00	0.00	0.02	0.00
18.80	1.04	0.00	0.00	0.02	0.00	18.82	1.04	0.00	0.00	0.02	0.00
18.84	1.04	0.00	0.00	0.02	0.00	18.86	1.03	0.00	0.00	0.02	0.00
18.88	1.02	0.00	0.00	0.02	0.00	18.90	1.04	0.00	0.00	0.02	0.00
18.92	0.97	0.00	0.00	0.02	0.00	18.94	1.02	0.00	0.00	0.02	0.00
18.96	1.09	0.00	0.00	0.02	0.00	18.98	1.11	0.00	0.00	0.02	0.00
19.00	1.12	0.00	0.00	0.02	0.00	19.02	1.12	0.00	0.00	0.02	0.00
19.04	1.14	0.00	0.00	0.02	0.00	19.06	1.18	0.00	0.00	0.02	0.00
19.08	1.23	0.00	0.00	0.02	0.00	19.10	1.27	0.00	0.00	0.02	0.00
19.12	1.33	0.00	0.00	0.02	0.00	19.14	1.37	0.00	0.00	0.02	0.00
19.16	1.37	0.00	0.00	0.02	0.00	19.18	1.31	0.00	0.00	0.02	0.00
19.20	1.22	0.00	0.00	0.02	0.00	19.22	1.13	0.00	0.00	0.02	0.00
19.24	1.09	0.00	0.00	0.02	0.00	19.26	1.06	0.00	0.00	0.02	0.00
19.28	1.05	0.00	0.00	0.02	0.00	19.30	1.04	0.00	0.00	0.02	0.00
19.32	1.04	0.00	0.00	0.02	0.00	19.34	1.03	0.00	0.00	0.02	0.00
19.36	1.02	0.00	0.00	0.02	0.00	19.38	1.03	0.00	0.00	0.02	0.00
19.40	1.01	0.00	0.00	0.02	0.00	19.42	1.00	0.00	0.00	0.02	0.00
19.44	1.00	0.00	0.00	0.02	0.00	19.46	1.00	0.00	0.00	0.02	0.00
19.48	1.00	0.00	0.00	0.02	0.00	19.50	1.00	0.00	0.00	0.02	0.00
19.52	1.00	0.00	0.00	0.02	0.00	19.54	1.01	0.00	0.00	0.02	0.00
19.56	1.01	0.00	0.00	0.02	0.00	19.58	1.01	0.00	0.00	0.02	0.00
19.60	1.02	0.00	0.00	0.02	0.00	19.62	1.01	0.00	0.00	0.02	0.00
19.64	1.01	0.00	0.00	0.02	0.00	19.66	1.00	0.00	0.00	0.02	0.00
19.68	1.00	0.00	0.00	0.02	0.00	19.70	1.00	0.00	0.00	0.02	0.00
19.72	1.00	0.00	0.00	0.02	0.00	19.74	1.00	0.00	0.00	0.02	0.00
19.76	1.00	0.00	0.00	0.02	0.00	19.78	1.01	0.00	0.00	0.02	0.00
19.80	1.04	0.00	0.00	0.02	0.00	19.82	1.06	0.00	0.00	0.02	0.00
19.84	1.09	0.00	0.00	0.02	0.00	19.86	1.13	0.00	0.00	0.02	0.00
19.88	1.16	0.00	0.00	0.02	0.00	19.90	1.17	0.00	0.00	0.02	0.00
19.92	1.18	0.00	0.00	0.02	0.00	19.94	1.20	0.00	0.00	0.02	0.00
19.96	1.24	0.00	0.00	0.02	0.00	19.98	1.28	0.00	0.00	0.02	0.00
20.00	1.26	0.00	0.00	0.02	0.00						

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

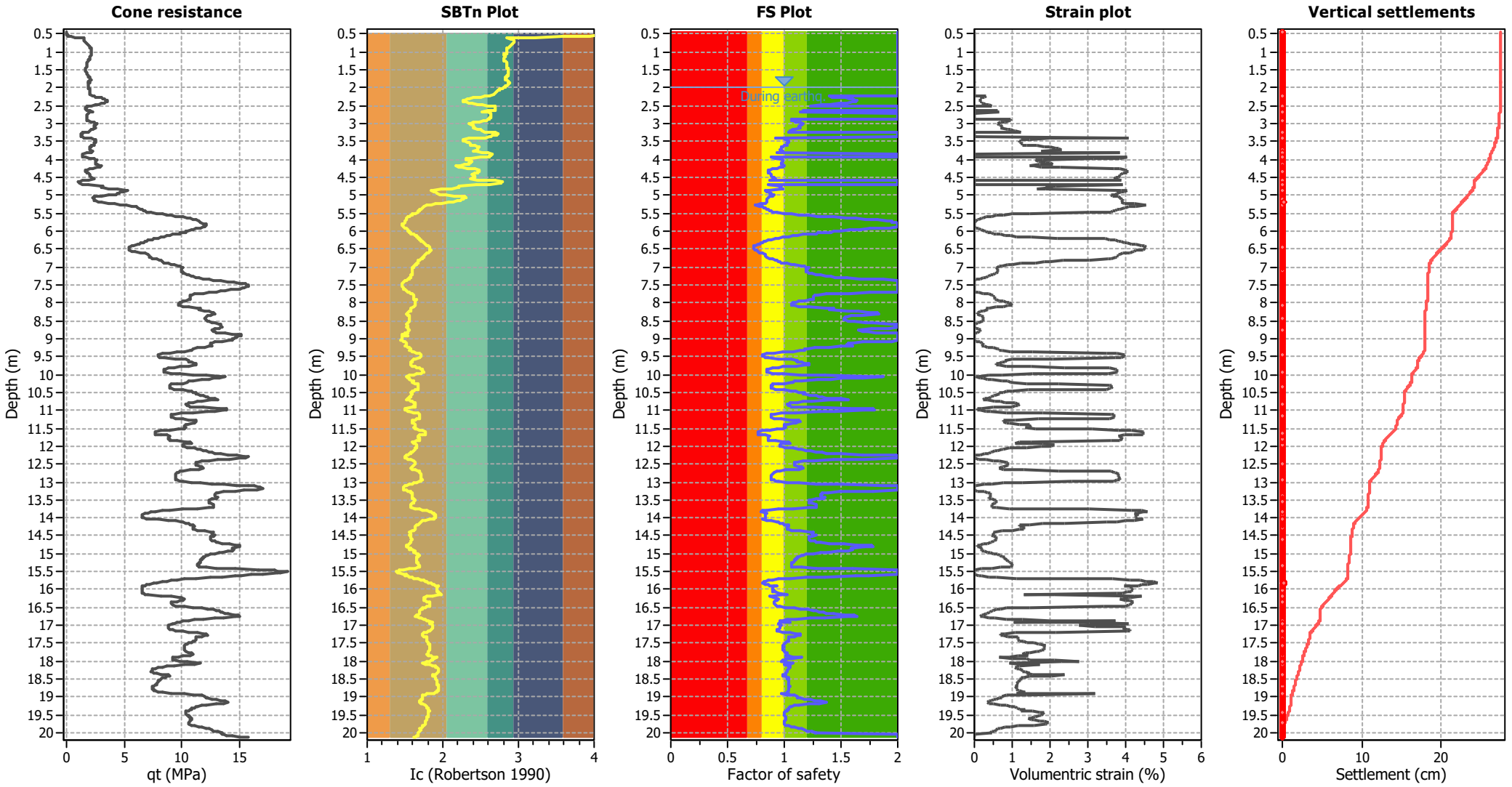
Overall liquefaction potential: 3.13

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.44	4.06	0.12	54.25	6.32	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.46	4.06	0.16	54.25	8.78	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.48	4.06	0.26	54.25	13.95	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.50	4.06	0.45	54.25	24.52	0	0	0.11	0.000	0.00	0.00	0.00	0.000
0.52	4.06	0.85	54.25	45.92	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.54	4.06	1.64	54.25	88.98	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	3.94	3.23	44.76	144.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.58	6.42	24.39	156.72	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.22	12.81	13.19	169.01	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.62	2.85	25.59	6.47	165.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.64	2.90	24.77	7.27	180.06	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.66	2.93	24.86	7.61	189.10	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.68	2.94	25.48	7.79	198.42	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.70	2.95	26.29	7.97	209.46	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.72	2.94	27.46	7.78	213.80	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.74	2.94	28.33	7.74	219.33	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.76	2.93	29.40	7.69	226.14	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.78	2.92	30.44	7.55	229.90	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.80	2.91	31.48	7.39	232.73	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.82	2.90	32.56	7.17	233.33	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.84	2.89	33.53	7.00	234.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.86	2.88	33.86	6.93	234.63	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.88	2.87	34.71	6.72	233.44	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.90	2.85	35.57	6.51	231.67	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.92	2.84	36.03	6.42	231.16	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.94	2.84	36.05	6.42	231.45	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	2.85	36.07	6.51	234.78	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	2.85	36.03	6.46	232.79	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	2.84	36.01	6.40	230.54	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.02	2.84	35.99	6.36	228.89	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.04	2.84	35.76	6.33	226.31	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	2.82	36.69	6.04	221.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.08	2.81	36.20	6.01	217.61	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.10	2.82	35.16	6.08	213.91	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.12	2.82	34.31	6.10	209.38	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.14	2.82	33.49	6.10	204.28	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.16	2.81	33.35	5.95	198.40	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.18	2.80	33.12	5.88	194.91	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.20	2.80	32.78	5.84	191.49	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.22	2.80	32.27	5.91	190.78	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.24	2.81	31.57	6.04	190.71	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.26	2.83	30.87	6.19	191.19	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.28	2.84	29.93	6.35	190.18	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.30	2.85	29.18	6.48	189.18	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.32	2.85	28.64	6.54	187.33	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.34	2.85	28.47	6.47	184.35	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.36	2.85	28.40	6.44	182.83	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.38	2.84	28.37	6.42	182.04	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.40	2.84	28.35	6.42	182.02	0	0	0.10	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.42	2.84	28.57	6.36	181.71	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.44	2.85	28.15	6.48	182.55	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.46	2.86	27.79	6.61	183.80	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.48	2.86	27.70	6.62	183.46	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.50	2.86	27.66	6.64	183.70	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.52	2.86	27.65	6.65	183.89	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.54	2.86	28.20	6.69	188.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.56	2.87	28.74	6.71	192.79	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.58	2.86	29.32	6.66	195.39	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.60	2.86	29.75	6.70	199.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.62	2.87	29.85	6.74	201.35	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.64	2.85	30.47	6.54	199.20	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.66	2.86	30.94	6.63	205.26	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.68	2.84	31.76	6.43	204.29	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.70	2.83	32.84	6.27	206.07	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.72	2.83	33.55	6.24	209.50	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.74	2.83	34.32	6.22	213.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.82	34.94	6.16	215.08	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.84	34.29	6.41	219.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.86	33.53	6.59	221.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.86	32.82	6.68	219.37	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.87	32.25	6.74	217.24	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.82	2.87	31.75	6.79	215.56	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.88	2.88	31.14	6.85	213.41	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.90	2.87	30.98	6.73	208.41	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.92	2.86	30.91	6.59	203.57	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.94	2.85	30.93	6.46	199.75	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.96	2.83	30.99	6.24	193.43	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.98	2.83	31.03	6.22	193.03	0	0	0.10	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.00	31.37	2.00	0.00	1.00	0.00	2.02	32.29	2.00	0.00	1.00	0.00
2.04	32.95	2.00	0.00	1.00	0.00	2.06	33.35	2.00	0.00	1.00	0.00
2.08	33.87	2.00	0.00	1.00	0.00	2.10	34.20	2.00	0.00	1.00	0.00
2.12	33.92	2.00	0.00	1.00	0.00	2.14	33.82	2.00	0.00	1.00	0.00
2.16	33.74	2.00	0.00	1.00	0.00	2.18	33.83	2.00	0.00	1.00	0.00
2.20	33.92	2.00	0.00	1.00	0.00	2.22	36.33	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.24	100.56	1.39	0.30	1.00	0.01	2.26	102.81	1.43	0.27	1.00	0.01
2.28	108.45	1.54	0.21	1.00	0.00	2.30	110.68	1.58	0.18	1.00	0.00
2.32	111.88	1.60	0.17	1.00	0.00	2.34	113.15	1.63	0.16	1.00	0.00
2.36	114.02	1.64	0.15	1.00	0.00	2.38	113.72	1.63	0.16	1.00	0.00
2.40	112.88	1.60	0.17	1.00	0.00	2.42	111.11	1.55	0.20	1.00	0.00
2.44	108.39	1.49	0.24	1.00	0.00	2.46	104.35	1.40	0.30	1.00	0.01
2.48	100.45	1.33	0.37	1.00	0.01	2.50	94.64	1.23	0.48	1.00	0.01
2.52	28.62	2.00	0.00	1.00	0.00	2.54	27.74	2.00	0.00	1.00	0.00
2.56	27.49	2.00	0.00	1.00	0.00	2.58	27.42	2.00	0.00	1.00	0.00
2.60	27.38	2.00	0.00	1.00	0.00	2.62	27.34	2.00	0.00	1.00	0.00
2.64	91.44	1.16	0.61	1.00	0.01	2.66	95.11	1.21	0.53	1.00	0.01
2.68	90.98	1.15	0.65	1.00	0.01	2.70	29.66	2.00	0.00	1.00	0.00
2.72	28.93	2.00	0.00	1.00	0.00	2.74	28.56	2.00	0.00	1.00	0.00
2.76	28.44	2.00	0.00	1.00	0.00	2.78	28.39	2.00	0.00	1.00	0.00
2.80	28.34	2.00	0.00	1.00	0.00	2.82	28.32	2.00	0.00	1.00	0.00
2.84	28.29	2.00	0.00	1.00	0.00	2.86	28.25	2.00	0.00	1.00	0.00
2.88	87.20	1.07	0.95	1.00	0.02	2.90	87.13	1.06	0.97	1.00	0.02
2.92	88.07	1.07	0.93	1.00	0.02	2.94	91.03	1.10	0.79	1.00	0.02
2.96	94.13	1.14	0.69	1.00	0.01	2.98	96.19	1.17	0.63	1.00	0.01
3.00	96.82	1.17	0.62	1.00	0.01	3.02	96.00	1.16	0.65	1.00	0.01
3.04	94.81	1.14	0.70	1.00	0.01	3.06	94.60	1.13	0.72	1.00	0.01
3.08	94.58	1.13	0.73	1.00	0.01	3.10	94.57	1.13	0.74	1.00	0.01
3.12	95.68	1.14	0.70	1.00	0.01	3.14	91.92	1.09	0.87	1.00	0.02
3.16	90.86	1.07	0.95	1.00	0.02	3.18	89.79	1.06	1.03	1.00	0.02
3.20	89.50	1.05	1.07	1.00	0.02	3.22	87.97	1.03	1.23	1.00	0.02
3.24	25.21	2.00	0.00	1.00	0.00	3.26	21.91	2.00	0.00	1.00	0.00
3.28	20.69	2.00	0.00	1.00	0.00	3.30	20.03	2.00	0.00	1.00	0.00
3.32	19.49	2.00	0.00	1.00	0.00	3.34	19.63	2.00	0.00	1.00	0.00
3.36	19.77	2.00	0.00	1.00	0.00	3.38	20.14	2.00	0.00	1.00	0.00
3.40	78.72	0.92	4.07	1.00	0.08	3.42	85.45	0.98	1.98	1.00	0.04
3.44	88.23	1.01	1.46	1.00	0.03	3.46	90.09	1.03	1.25	1.00	0.02
3.48	90.56	1.03	1.22	1.00	0.02	3.50	90.97	1.03	1.20	1.00	0.02
3.52	91.26	1.04	1.19	1.00	0.02	3.54	91.02	1.03	1.22	1.00	0.02
3.56	90.60	1.02	1.29	1.00	0.03	3.59	90.94	1.03	1.27	1.00	0.04
3.60	90.21	1.02	1.37	1.00	0.01	3.62	88.47	1.00	1.65	1.00	0.03
3.64	87.76	0.99	1.83	1.00	0.04	3.66	87.24	0.98	2.00	1.00	0.04
3.68	86.87	0.97	2.15	1.00	0.04	3.70	86.82	0.97	2.22	1.00	0.04
3.72	86.80	0.97	2.27	1.00	0.05	3.74	86.80	0.97	2.32	1.00	0.05
3.76	88.85	0.99	1.78	1.00	0.04	3.78	88.94	0.99	1.79	1.00	0.04
3.80	88.09	0.98	2.03	1.00	0.04	3.82	83.63	0.93	3.84	1.00	0.08
3.84	20.28	2.00	0.00	1.00	0.00	3.86	19.68	2.00	0.00	1.00	0.00
3.88	19.63	2.00	0.00	1.00	0.00	3.90	19.68	2.00	0.00	1.00	0.00
3.92	19.74	2.00	0.00	1.00	0.00	3.94	79.75	0.89	4.02	1.00	0.08
3.96	83.83	0.92	3.83	1.00	0.08	3.98	86.65	0.95	3.15	1.00	0.06
4.00	90.15	0.98	1.82	1.00	0.04	4.02	91.25	0.99	1.63	1.00	0.03
4.04	91.04	0.99	1.69	1.00	0.03	4.06	91.01	0.99	1.72	1.00	0.03
4.08	90.40	0.98	1.87	1.00	0.04	4.10	89.99	0.97	1.99	1.00	0.04
4.12	89.78	0.97	2.08	1.00	0.04	4.14	91.26	0.98	1.75	1.00	0.03
4.16	93.06	1.00	1.47	1.00	0.03	4.18	92.47	1.00	1.57	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.20	91.48	0.98	1.77	1.00	0.04	4.22	89.72	0.96	2.25	1.00	0.05
4.24	86.65	0.93	3.71	1.00	0.07	4.26	83.54	0.90	3.84	1.00	0.08
4.28	79.96	0.87	4.01	1.00	0.08	4.30	79.53	0.86	4.03	1.00	0.08
4.32	79.40	0.86	4.04	1.00	0.08	4.34	79.53	0.86	4.03	1.00	0.08
4.36	79.72	0.86	4.02	1.00	0.08	4.38	81.43	0.87	3.94	1.00	0.08
4.40	82.93	0.89	3.87	1.00	0.08	4.42	83.15	0.89	3.86	1.00	0.08
4.44	83.34	0.89	3.85	1.00	0.08	4.46	83.57	0.89	3.84	1.00	0.08
4.48	84.32	0.89	3.81	1.00	0.08	4.50	85.72	0.91	3.75	1.00	0.07
4.52	87.51	0.92	3.67	1.00	0.07	4.54	87.12	0.92	3.69	1.00	0.07
4.56	82.95	0.88	3.87	1.00	0.08	4.58	18.83	2.00	0.00	1.00	0.00
4.60	15.02	2.00	0.00	1.00	0.00	4.62	14.68	2.00	0.00	1.00	0.00
4.64	14.84	2.00	0.00	1.00	0.00	4.66	15.00	2.00	0.00	1.00	0.00
4.68	15.35	2.00	0.00	1.00	0.00	4.70	18.93	2.00	0.00	1.00	0.00
4.72	81.77	0.86	3.93	1.00	0.08	4.74	92.30	0.96	2.14	1.00	0.04
4.76	93.31	0.97	1.90	1.00	0.04	4.78	92.64	0.96	2.08	1.00	0.04
4.80	92.82	0.96	2.05	1.00	0.04	4.82	94.88	0.99	1.64	1.00	0.03
4.84	93.58	0.97	1.90	1.00	0.04	4.86	82.82	0.86	3.88	1.00	0.08
4.88	79.35	0.83	4.04	1.00	0.08	4.90	81.02	0.85	3.96	1.00	0.08
4.92	82.57	0.86	3.89	1.00	0.08	4.94	85.22	0.88	3.77	1.00	0.08
4.96	84.88	0.88	3.78	1.00	0.08	4.98	86.57	0.89	3.71	1.00	0.07
5.00	88.69	0.91	3.62	1.00	0.07	5.02	87.73	0.90	3.66	1.00	0.07
5.04	83.98	0.87	3.82	1.00	0.08	5.06	83.78	0.86	3.83	1.00	0.08
5.08	83.27	0.86	3.86	1.00	0.08	5.10	82.42	0.85	3.89	1.00	0.08
5.12	81.86	0.85	3.92	1.00	0.08	5.14	82.06	0.85	3.91	1.00	0.08
5.16	82.18	0.85	3.91	1.00	0.08	5.19	82.60	0.85	3.89	1.00	0.12
5.20	82.70	0.85	3.88	1.00	0.04	5.22	81.02	0.83	3.96	1.00	0.08
5.24	75.71	0.79	4.23	1.00	0.08	5.26	71.00	0.76	4.49	1.00	0.09
5.28	69.86	0.75	4.56	1.00	0.09	5.30	74.65	0.78	4.28	1.00	0.09
5.32	78.45	0.81	4.08	1.00	0.08	5.34	80.04	0.82	4.01	1.00	0.08
5.36	81.04	0.83	3.96	1.00	0.08	5.38	83.37	0.85	3.85	1.00	0.08
5.40	84.97	0.86	3.78	1.00	0.08	5.42	86.09	0.87	3.73	1.00	0.07
5.44	87.76	0.89	3.66	1.00	0.07	5.46	89.33	0.90	3.60	1.00	0.07
5.48	92.27	0.93	3.02	1.00	0.06	5.50	98.12	1.00	1.46	1.00	0.03
5.52	103.48	1.07	0.99	1.00	0.02	5.54	108.06	1.13	0.76	1.00	0.02
5.56	112.90	1.22	0.58	1.00	0.01	5.58	117.04	1.30	0.46	1.00	0.01
5.60	122.86	1.43	0.32	1.00	0.01	5.62	127.23	1.55	0.23	1.00	0.00
5.64	129.62	1.63	0.18	1.00	0.00	5.66	132.26	1.72	0.13	1.00	0.00
5.68	134.94	1.82	0.08	1.00	0.00	5.70	137.22	1.91	0.04	1.00	0.00
5.72	138.00	1.94	0.02	1.00	0.00	5.74	138.24	1.95	0.02	1.00	0.00
5.76	138.99	1.99	0.00	1.00	0.00	5.78	141.23	2.00	0.00	1.00	0.00
5.80	143.79	2.00	0.00	1.00	0.00	5.82	143.66	2.00	0.00	1.00	0.00
5.84	143.46	2.00	0.00	1.00	0.00	5.86	142.21	2.00	0.00	1.00	0.00
5.88	141.09	2.00	0.00	1.00	0.00	5.90	137.69	1.92	0.03	1.00	0.00
5.92	133.65	1.76	0.11	1.00	0.00	5.94	131.32	1.67	0.15	1.00	0.00
5.96	128.62	1.58	0.21	1.00	0.00	5.98	125.58	1.49	0.27	1.00	0.01
6.00	123.70	1.44	0.31	1.00	0.01	6.02	122.71	1.41	0.34	1.00	0.01
6.04	117.68	1.30	0.46	1.00	0.01	6.06	116.99	1.28	0.48	1.00	0.01
6.08	113.98	1.22	0.57	1.00	0.01	6.10	110.73	1.16	0.69	1.00	0.01
6.12	107.94	1.12	0.81	1.00	0.02	6.14	104.99	1.07	0.96	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.16	102.53	1.04	1.13	1.00	0.02	6.18	99.04	0.99	1.49	1.00	0.03
6.20	95.45	0.95	2.19	1.00	0.04	6.22	92.46	0.92	3.48	1.00	0.07
6.24	89.70	0.89	3.58	1.00	0.07	6.26	86.58	0.86	3.71	1.00	0.07
6.28	84.04	0.84	3.82	1.00	0.08	6.30	82.60	0.82	3.89	1.00	0.08
6.32	80.81	0.81	3.97	1.00	0.08	6.34	79.08	0.80	4.05	1.00	0.08
6.36	77.09	0.78	4.15	1.00	0.08	6.38	75.20	0.77	4.25	1.00	0.09
6.40	72.36	0.75	4.41	1.00	0.09	6.42	70.51	0.73	4.52	1.00	0.09
6.44	70.48	0.73	4.52	1.00	0.09	6.46	70.59	0.73	4.51	1.00	0.09
6.48	70.82	0.73	4.50	1.00	0.09	6.50	70.99	0.73	4.49	1.00	0.09
6.52	71.70	0.74	4.45	1.00	0.09	6.54	74.77	0.76	4.28	1.00	0.09
6.56	75.27	0.76	4.25	1.00	0.08	6.58	76.26	0.77	4.20	1.00	0.08
6.60	78.08	0.78	4.10	1.00	0.08	6.62	81.77	0.81	3.93	1.00	0.08
6.64	83.81	0.83	3.83	1.00	0.08	6.66	84.47	0.83	3.80	1.00	0.08
6.68	84.77	0.84	3.79	1.00	0.08	6.70	84.88	0.84	3.78	1.00	0.08
6.72	85.31	0.84	3.77	1.00	0.08	6.74	86.22	0.85	3.73	1.00	0.07
6.76	88.51	0.87	3.63	1.00	0.07	6.78	91.22	0.90	3.53	1.00	0.07
6.80	93.96	0.92	3.03	1.00	0.06	6.82	95.55	0.94	2.36	1.00	0.05
6.84	96.76	0.96	2.02	1.00	0.04	6.86	97.49	0.96	1.86	1.00	0.04
6.88	98.80	0.98	1.63	1.00	0.03	6.90	102.08	1.02	1.24	1.00	0.02
6.92	105.31	1.06	1.00	1.00	0.02	6.94	107.07	1.09	0.89	1.00	0.02
6.96	110.76	1.15	0.72	1.00	0.01	6.98	112.41	1.18	0.66	1.00	0.01
7.00	113.29	1.19	0.63	1.00	0.01	7.02	114.45	1.21	0.59	1.00	0.01
7.04	113.66	1.20	0.62	1.00	0.01	7.06	113.57	1.20	0.62	1.00	0.01
7.08	113.47	1.20	0.62	1.00	0.01	7.10	113.40	1.19	0.63	1.00	0.01
7.12	113.67	1.20	0.62	1.00	0.01	7.14	113.89	1.20	0.61	1.00	0.01
7.16	114.84	1.22	0.58	1.00	0.01	7.18	116.14	1.25	0.54	1.00	0.01
7.20	117.99	1.28	0.48	1.00	0.01	7.22	119.92	1.33	0.43	1.00	0.01
7.24	121.91	1.37	0.38	1.00	0.01	7.26	123.42	1.41	0.34	1.00	0.01
7.28	125.12	1.45	0.30	1.00	0.01	7.30	128.52	1.55	0.23	1.00	0.00
7.32	132.11	1.67	0.15	1.00	0.00	7.34	137.34	1.87	0.05	1.00	0.00
7.36	141.29	2.00	0.00	1.00	0.00	7.38	147.23	2.00	0.00	1.00	0.00
7.40	153.82	2.00	0.00	1.00	0.00	7.42	158.48	2.00	0.00	1.00	0.00
7.44	163.63	2.00	0.00	1.00	0.00	7.46	166.77	2.00	0.00	1.00	0.00
7.48	168.84	2.00	0.00	1.00	0.00	7.50	169.83	2.00	0.00	1.00	0.00
7.52	171.02	2.00	0.00	1.00	0.00	7.54	170.51	2.00	0.00	1.00	0.00
7.56	169.02	2.00	0.00	1.00	0.00	7.58	166.74	2.00	0.00	1.00	0.00
7.60	164.92	2.00	0.00	1.00	0.00	7.62	161.90	2.00	0.00	1.00	0.00
7.64	154.98	2.00	0.00	1.00	0.00	7.66	149.84	2.00	0.00	1.00	0.00
7.68	145.46	2.00	0.00	1.00	0.00	7.70	140.76	2.00	0.00	1.00	0.00
7.72	134.55	1.76	0.10	1.00	0.00	7.74	129.22	1.57	0.21	1.00	0.00
7.76	122.02	1.38	0.38	1.00	0.01	7.78	118.28	1.29	0.47	1.00	0.01
7.80	117.35	1.27	0.50	1.00	0.01	7.82	116.85	1.26	0.51	1.00	0.01
7.84	116.61	1.26	0.52	1.00	0.01	7.86	116.55	1.25	0.52	1.00	0.01
7.88	116.49	1.25	0.53	1.00	0.01	7.90	116.64	1.26	0.52	1.00	0.01
7.92	115.25	1.23	0.56	1.00	0.01	7.94	112.56	1.18	0.65	1.00	0.01
7.96	109.64	1.13	0.77	1.00	0.02	7.98	107.87	1.10	0.85	1.00	0.02
8.00	106.47	1.08	0.93	1.00	0.02	8.02	105.76	1.07	0.97	1.00	0.02
8.04	105.67	1.07	0.98	1.00	0.02	8.06	105.57	1.07	0.98	1.00	0.02
8.08	106.94	1.09	0.90	1.00	0.02	8.10	109.82	1.13	0.76	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.12	114.51	1.22	0.59	1.00	0.01	8.14	121.56	1.37	0.39	1.00	0.01
8.16	124.56	1.44	0.31	1.00	0.01	8.18	122.71	1.39	0.36	1.00	0.01
8.20	123.21	1.41	0.34	1.00	0.01	8.22	128.75	1.56	0.22	1.00	0.00
8.24	131.52	1.65	0.16	1.00	0.00	8.26	134.23	1.75	0.11	1.00	0.00
8.28	136.09	1.82	0.07	1.00	0.00	8.30	136.36	1.83	0.07	1.00	0.00
8.32	135.86	1.81	0.08	1.00	0.00	8.34	132.24	1.68	0.15	1.00	0.00
8.36	129.65	1.59	0.20	1.00	0.00	8.38	128.48	1.55	0.23	1.00	0.00
8.40	127.86	1.54	0.24	1.00	0.00	8.42	127.68	1.53	0.24	1.00	0.00
8.44	127.55	1.53	0.24	1.00	0.00	8.46	127.63	1.53	0.24	1.00	0.00
8.48	127.70	1.53	0.24	1.00	0.00	8.50	128.76	1.56	0.22	1.00	0.00
8.52	130.17	1.61	0.19	1.00	0.00	8.54	133.32	1.72	0.13	1.00	0.00
8.56	135.00	1.78	0.09	1.00	0.00	8.58	138.84	1.95	0.02	1.00	0.00
8.60	140.36	2.00	0.00	1.00	0.00	8.62	139.49	1.98	0.01	1.00	0.00
8.64	139.93	2.00	0.00	1.00	0.00	8.66	140.58	2.00	0.00	1.00	0.00
8.68	140.26	2.00	0.00	1.00	0.00	8.70	138.16	1.92	0.03	1.00	0.00
8.72	134.70	1.77	0.10	1.00	0.00	8.74	131.51	1.66	0.16	1.00	0.00
8.76	131.37	1.65	0.16	1.00	0.00	8.78	132.38	1.69	0.14	1.00	0.00
8.80	133.39	1.73	0.12	1.00	0.00	8.82	135.53	1.81	0.08	1.00	0.00
8.84	143.01	2.00	0.00	1.00	0.00	8.86	149.22	2.00	0.00	1.00	0.00
8.88	154.05	2.00	0.00	1.00	0.00	8.90	155.98	2.00	0.00	1.00	0.00
8.92	155.97	2.00	0.00	1.00	0.00	8.94	153.49	2.00	0.00	1.00	0.00
8.96	152.01	2.00	0.00	1.00	0.00	8.98	150.86	2.00	0.00	1.00	0.00
9.00	149.24	2.00	0.00	1.00	0.00	9.02	148.55	2.00	0.00	1.00	0.00
9.04	147.85	2.00	0.00	1.00	0.00	9.06	145.55	2.00	0.00	1.00	0.00
9.08	138.59	1.94	0.02	1.00	0.00	9.10	132.45	1.70	0.14	1.00	0.00
9.12	129.77	1.61	0.19	1.00	0.00	9.14	128.49	1.57	0.22	1.00	0.00
9.16	128.28	1.56	0.22	1.00	0.00	9.18	128.07	1.55	0.23	1.00	0.00
9.20	129.43	1.60	0.20	1.00	0.00	9.22	126.30	1.50	0.26	1.00	0.01
9.24	122.32	1.40	0.35	1.00	0.01	9.26	116.78	1.27	0.50	1.00	0.01
9.28	113.13	1.20	0.61	1.00	0.01	9.30	112.01	1.18	0.65	1.00	0.01
9.32	111.67	1.18	0.66	1.00	0.01	9.34	109.92	1.15	0.73	1.00	0.01
9.36	105.27	1.07	0.95	1.00	0.02	9.38	98.63	0.99	1.55	1.00	0.03
9.40	91.82	0.91	3.50	1.00	0.07	9.42	85.51	0.85	3.76	1.00	0.08
9.44	80.84	0.81	3.97	1.00	0.08	9.46	80.93	0.81	3.96	1.00	0.08
9.48	81.03	0.81	3.96	1.00	0.08	9.50	81.30	0.82	3.95	1.00	0.08
9.52	82.95	0.83	3.87	1.00	0.08	9.54	86.36	0.86	3.72	1.00	0.07
9.56	95.79	0.95	2.07	1.00	0.04	9.58	104.37	1.06	1.00	1.00	0.02
9.60	107.53	1.11	0.82	1.00	0.02	9.62	107.25	1.11	0.84	1.00	0.02
9.64	107.66	1.11	0.82	1.00	0.02	9.66	110.03	1.15	0.71	1.00	0.01
9.68	111.82	1.18	0.65	1.00	0.01	9.70	113.40	1.21	0.59	1.00	0.01
9.72	113.69	1.22	0.58	1.00	0.01	9.74	111.80	1.18	0.64	1.00	0.01
9.76	106.96	1.10	0.85	1.00	0.02	9.78	98.72	0.99	1.50	1.00	0.03
9.80	94.53	0.94	2.39	1.00	0.05	9.82	89.49	0.89	3.59	1.00	0.07
9.84	86.11	0.86	3.73	1.00	0.07	9.86	85.09	0.85	3.78	1.00	0.08
9.88	85.01	0.85	3.78	1.00	0.08	9.90	84.94	0.85	3.78	1.00	0.08
9.92	84.86	0.85	3.79	1.00	0.08	9.94	85.35	0.85	3.76	1.00	0.08
9.96	90.42	0.90	3.56	1.00	0.07	9.98	98.28	0.99	1.53	1.00	0.03
10.00	109.40	1.15	0.73	1.00	0.01	10.02	120.49	1.37	0.38	1.00	0.01
10.04	133.14	1.74	0.11	1.00	0.00	10.06	136.32	1.87	0.05	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.08	131.63	1.69	0.14	1.00	0.00	10.10	126.33	1.52	0.25	1.00	0.00
10.12	122.35	1.41	0.34	1.00	0.01	10.14	116.98	1.29	0.47	1.00	0.01
10.16	109.47	1.15	0.72	1.00	0.01	10.18	105.52	1.09	0.90	1.00	0.02
10.20	104.26	1.07	0.97	1.00	0.02	10.22	104.12	1.07	0.98	1.00	0.02
10.24	99.30	1.01	1.37	1.00	0.03	10.26	94.61	0.95	2.22	1.00	0.04
10.28	90.06	0.90	3.57	1.00	0.07	10.30	89.01	0.89	3.61	1.00	0.07
10.32	88.52	0.89	3.63	1.00	0.07	10.34	88.46	0.89	3.63	1.00	0.07
10.36	88.40	0.89	3.64	1.00	0.07	10.38	88.50	0.89	3.63	1.00	0.07
10.40	89.49	0.90	3.59	1.00	0.07	10.42	91.55	0.92	3.51	1.00	0.07
10.44	98.61	1.00	1.43	1.00	0.03	10.46	103.35	1.06	1.01	1.00	0.02
10.48	105.96	1.10	0.86	1.00	0.02	10.50	107.77	1.13	0.77	1.00	0.02
10.52	110.46	1.17	0.66	1.00	0.01	10.54	110.23	1.17	0.67	1.00	0.01
10.56	111.03	1.18	0.64	1.00	0.01	10.58	113.84	1.24	0.55	1.00	0.01
10.60	115.97	1.28	0.49	1.00	0.01	10.62	117.49	1.31	0.45	1.00	0.01
10.64	118.68	1.34	0.41	1.00	0.01	10.66	120.22	1.37	0.38	1.00	0.01
10.68	125.38	1.51	0.26	1.00	0.01	10.70	127.18	1.56	0.22	1.00	0.00
10.72	121.09	1.39	0.35	1.00	0.01	10.74	113.77	1.24	0.55	1.00	0.01
10.76	109.72	1.17	0.68	1.00	0.01	10.78	106.35	1.11	0.82	1.00	0.02
10.80	102.18	1.05	1.06	1.00	0.02	10.82	100.69	1.03	1.17	1.00	0.02
10.84	100.36	1.03	1.20	1.00	0.02	10.86	101.02	1.04	1.14	1.00	0.02
10.88	101.69	1.05	1.09	1.00	0.02	10.90	103.20	1.07	0.98	1.00	0.02
10.92	114.53	1.26	0.52	1.00	0.01	10.94	127.56	1.58	0.21	1.00	0.00
10.96	133.70	1.79	0.09	1.00	0.00	10.98	133.83	1.79	0.09	1.00	0.00
11.00	131.30	1.70	0.13	1.00	0.00	11.02	123.12	1.45	0.30	1.00	0.01
11.04	117.38	1.32	0.44	1.00	0.01	11.06	105.65	1.11	0.84	1.00	0.02
11.08	95.37	0.97	1.81	1.00	0.04	11.10	89.02	0.91	3.61	1.00	0.07
11.12	87.00	0.89	3.69	1.00	0.07	11.14	86.82	0.88	3.70	1.00	0.07
11.16	86.71	0.88	3.71	1.00	0.07	11.18	86.95	0.89	3.70	1.00	0.07
11.20	87.19	0.89	3.69	1.00	0.07	11.22	89.74	0.91	3.58	1.00	0.07
11.24	95.82	0.98	1.69	1.00	0.03	11.26	101.34	1.05	1.07	1.00	0.02
11.28	106.74	1.13	0.77	1.00	0.02	11.30	107.14	1.13	0.75	1.00	0.02
11.32	106.62	1.13	0.78	1.00	0.02	11.34	105.41	1.11	0.83	1.00	0.02
11.36	103.51	1.08	0.93	1.00	0.02	11.38	99.68	1.03	1.19	1.00	0.02
11.40	97.23	1.00	1.45	1.00	0.03	11.42	97.05	1.00	1.47	1.00	0.03
11.44	96.96	1.00	1.47	1.00	0.03	11.46	96.88	1.00	1.48	1.00	0.03
11.48	98.06	1.01	1.34	1.00	0.03	11.50	95.95	0.99	1.61	1.00	0.03
11.52	91.07	0.93	3.12	1.00	0.06	11.54	84.38	0.87	3.81	1.00	0.08
11.56	76.98	0.81	4.16	1.00	0.08	11.58	71.66	0.77	4.45	1.00	0.09
11.60	71.53	0.77	4.46	1.00	0.09	11.62	71.48	0.77	4.46	1.00	0.09
11.64	71.44	0.77	4.46	1.00	0.09	11.66	71.60	0.77	4.45	1.00	0.09
11.68	76.01	0.80	4.21	1.00	0.08	11.70	80.59	0.84	3.98	1.00	0.08
11.72	84.00	0.87	3.82	1.00	0.08	11.74	83.23	0.86	3.86	1.00	0.08
11.76	82.47	0.86	3.89	1.00	0.08	11.78	82.30	0.85	3.90	1.00	0.08
11.80	82.22	0.85	3.90	1.00	0.08	11.82	82.65	0.86	3.88	1.00	0.08
11.84	83.08	0.86	3.87	1.00	0.08	11.86	89.29	0.92	3.60	1.00	0.07
11.88	96.06	0.99	1.52	1.00	0.03	11.90	99.06	1.03	1.18	1.00	0.02
11.92	100.44	1.05	1.07	1.00	0.02	11.94	94.26	0.98	1.80	1.00	0.04
11.96	92.84	0.96	2.13	1.00	0.04	11.98	93.01	0.96	2.08	1.00	0.04
12.00	93.18	0.96	2.03	1.00	0.04	12.02	94.25	0.98	1.78	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.04	96.76	1.01	1.39	1.00	0.03	12.06	102.37	1.08	0.93	1.00	0.02
12.08	105.25	1.12	0.79	1.00	0.02	12.10	106.86	1.15	0.72	1.00	0.01
12.12	109.43	1.19	0.63	1.00	0.01	12.14	111.81	1.23	0.55	1.00	0.01
12.16	114.36	1.28	0.48	1.00	0.01	12.18	116.66	1.33	0.42	1.00	0.01
12.20	118.42	1.37	0.37	1.00	0.01	12.22	123.75	1.50	0.26	1.00	0.01
12.24	130.03	1.70	0.14	1.00	0.00	12.26	137.27	1.98	0.01	1.00	0.00
12.28	143.12	2.00	0.00	1.00	0.00	12.30	145.97	2.00	0.00	1.00	0.00
12.32	144.34	2.00	0.00	1.00	0.00	12.34	138.67	2.00	0.00	1.00	0.00
12.36	130.26	1.71	0.13	1.00	0.00	12.38	120.94	1.44	0.31	1.00	0.01
12.40	112.96	1.26	0.50	1.00	0.01	12.42	107.67	1.17	0.67	1.00	0.01
12.44	103.58	1.11	0.84	1.00	0.02	12.46	102.80	1.10	0.87	1.00	0.02
12.48	102.40	1.09	0.89	1.00	0.02	12.50	102.23	1.09	0.90	1.00	0.02
12.52	102.45	1.09	0.88	1.00	0.02	12.54	102.66	1.10	0.87	1.00	0.02
12.56	104.99	1.13	0.76	1.00	0.02	12.58	106.09	1.15	0.72	1.00	0.01
12.60	107.28	1.17	0.67	1.00	0.01	12.62	107.47	1.17	0.66	1.00	0.01
12.64	104.48	1.13	0.78	1.00	0.02	12.66	96.42	1.02	1.31	1.00	0.03
12.68	91.31	0.96	2.25	1.00	0.04	12.70	88.47	0.93	3.63	1.00	0.07
12.72	87.04	0.92	3.69	1.00	0.07	12.74	85.76	0.90	3.75	1.00	0.07
12.76	84.51	0.89	3.80	1.00	0.08	12.78	84.27	0.89	3.81	1.00	0.08
12.80	84.17	0.89	3.82	1.00	0.08	12.82	84.10	0.89	3.82	1.00	0.08
12.84	84.04	0.89	3.82	1.00	0.08	12.86	83.98	0.89	3.82	1.00	0.08
12.88	83.91	0.89	3.83	1.00	0.08	12.90	83.87	0.89	3.83	1.00	0.08
12.92	83.84	0.89	3.83	1.00	0.08	12.94	85.37	0.90	3.76	1.00	0.08
12.96	87.12	0.92	3.69	1.00	0.07	12.98	89.99	0.95	2.56	1.00	0.05
13.00	96.30	1.02	1.26	1.00	0.03	13.02	104.29	1.13	0.76	1.00	0.02
13.04	112.83	1.28	0.48	1.00	0.01	13.06	122.39	1.50	0.26	1.00	0.01
13.08	133.82	1.87	0.05	1.00	0.00	13.10	142.33	2.00	0.00	1.00	0.00
13.12	147.45	2.00	0.00	1.00	0.00	13.14	150.85	2.00	0.00	1.00	0.00
13.16	152.32	2.00	0.00	1.00	0.00	13.18	154.43	2.00	0.00	1.00	0.00
13.20	154.40	2.00	0.00	1.00	0.00	13.22	149.30	2.00	0.00	1.00	0.00
13.24	138.67	2.00	0.00	1.00	0.00	13.26	131.09	1.78	0.09	1.00	0.00
13.28	121.51	1.48	0.27	1.00	0.01	13.30	117.54	1.39	0.36	1.00	0.01
13.32	115.33	1.34	0.41	1.00	0.01	13.34	114.76	1.33	0.42	1.00	0.01
13.36	114.68	1.33	0.42	1.00	0.01	13.38	114.62	1.33	0.42	1.00	0.01
13.40	114.57	1.33	0.42	1.00	0.01	13.42	114.82	1.33	0.41	1.00	0.01
13.44	116.24	1.36	0.38	1.00	0.01	13.46	115.61	1.35	0.39	1.00	0.01
13.48	112.14	1.28	0.48	1.00	0.01	13.50	109.28	1.23	0.55	1.00	0.01
13.52	108.63	1.22	0.57	1.00	0.01	13.54	108.58	1.22	0.57	1.00	0.01
13.56	108.52	1.22	0.57	1.00	0.01	13.58	108.68	1.22	0.57	1.00	0.01
13.60	109.91	1.24	0.53	1.00	0.01	13.62	112.05	1.28	0.47	1.00	0.01
13.64	111.92	1.28	0.47	1.00	0.01	13.66	111.88	1.28	0.47	1.00	0.01
13.68	111.96	1.28	0.47	1.00	0.01	13.70	112.19	1.29	0.46	1.00	0.01
13.72	108.41	1.22	0.57	1.00	0.01	13.74	99.18	1.08	0.93	1.00	0.02
13.76	87.69	0.95	3.02	1.00	0.06	13.78	77.06	0.85	4.16	1.00	0.08
13.80	71.93	0.81	4.44	1.00	0.09	13.82	69.84	0.80	4.56	1.00	0.09
13.84	71.55	0.81	4.46	1.00	0.09	13.86	74.27	0.83	4.30	1.00	0.09
13.88	75.57	0.84	4.23	1.00	0.08	13.90	73.83	0.83	4.33	1.00	0.09
13.92	75.13	0.84	4.26	1.00	0.09	13.94	74.95	0.84	4.27	1.00	0.09
13.96	75.15	0.84	4.26	1.00	0.09	13.98	75.16	0.84	4.26	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.00	74.99	0.84	4.26	1.00	0.09	14.02	74.49	0.83	4.29	1.00	0.09
14.04	71.65	0.81	4.45	1.00	0.09	14.06	75.41	0.84	4.24	1.00	0.08
14.08	80.35	0.88	3.99	1.00	0.08	14.10	85.50	0.93	3.76	1.00	0.08
14.12	86.46	0.94	3.48	1.00	0.07	14.14	88.30	0.96	2.39	1.00	0.05
14.16	90.34	0.98	1.80	1.00	0.04	14.18	92.25	1.01	1.46	1.00	0.03
14.20	94.57	1.03	1.20	1.00	0.02	14.22	94.79	1.04	1.18	1.00	0.02
14.24	93.45	1.02	1.30	1.00	0.03	14.26	93.41	1.02	1.30	1.00	0.03
14.28	93.37	1.02	1.30	1.00	0.03	14.30	93.45	1.02	1.29	1.00	0.03
14.32	94.48	1.04	1.18	1.00	0.02	14.34	96.65	1.06	1.01	1.00	0.02
14.36	102.44	1.14	0.72	1.00	0.01	14.38	107.67	1.23	0.55	1.00	0.01
14.40	109.13	1.25	0.51	1.00	0.01	14.42	108.26	1.24	0.53	1.00	0.01
14.44	108.77	1.25	0.52	1.00	0.01	14.46	109.29	1.26	0.50	1.00	0.01
14.48	110.54	1.28	0.47	1.00	0.01	14.50	110.53	1.28	0.47	1.00	0.01
14.52	108.55	1.25	0.52	1.00	0.01	14.54	106.66	1.21	0.57	1.00	0.01
14.56	106.55	1.21	0.57	1.00	0.01	14.58	106.49	1.21	0.57	1.00	0.01
14.60	106.43	1.21	0.57	1.00	0.01	14.62	106.49	1.21	0.57	1.00	0.01
14.64	107.71	1.24	0.53	1.00	0.01	14.66	109.43	1.27	0.49	1.00	0.01
14.68	110.31	1.28	0.47	1.00	0.01	14.70	112.07	1.32	0.42	1.00	0.01
14.72	115.65	1.39	0.34	1.00	0.01	14.74	120.86	1.52	0.24	1.00	0.00
14.76	125.25	1.65	0.16	1.00	0.00	14.78	129.15	1.78	0.09	1.00	0.00
14.80	129.17	1.78	0.09	1.00	0.00	14.82	127.17	1.71	0.13	1.00	0.00
14.84	123.64	1.60	0.19	1.00	0.00	14.86	123.41	1.60	0.19	1.00	0.00
14.88	123.17	1.59	0.20	1.00	0.00	14.90	123.61	1.60	0.19	1.00	0.00
14.92	122.27	1.57	0.21	1.00	0.00	14.94	118.90	1.48	0.27	1.00	0.01
14.96	114.88	1.39	0.35	1.00	0.01	14.98	111.53	1.32	0.42	1.00	0.01
15.00	108.06	1.25	0.50	1.00	0.01	15.02	104.61	1.20	0.60	1.00	0.01
15.04	102.32	1.16	0.67	1.00	0.01	15.06	101.31	1.15	0.70	1.00	0.01
15.08	100.14	1.13	0.75	1.00	0.01	15.10	98.96	1.12	0.79	1.00	0.02
15.12	99.16	1.12	0.78	1.00	0.02	15.14	98.30	1.11	0.82	1.00	0.02
15.16	97.68	1.10	0.85	1.00	0.02	15.18	97.27	1.10	0.87	1.00	0.02
15.20	96.71	1.09	0.89	1.00	0.02	15.22	96.34	1.08	0.91	1.00	0.02
15.24	95.98	1.08	0.93	1.00	0.02	15.26	95.06	1.07	0.98	1.00	0.02
15.28	94.74	1.07	1.00	1.00	0.02	15.30	94.57	1.06	1.00	1.00	0.02
15.32	94.51	1.06	1.00	1.00	0.02	15.34	94.69	1.07	0.99	1.00	0.02
15.36	94.87	1.07	0.97	1.00	0.02	15.38	100.61	1.15	0.70	1.00	0.01
15.40	108.81	1.28	0.46	1.00	0.01	15.42	122.68	1.60	0.19	1.00	0.00
15.44	141.38	2.00	0.00	1.00	0.00	15.46	154.86	2.00	0.00	1.00	0.00
15.48	157.42	2.00	0.00	1.00	0.00	15.50	165.41	2.00	0.00	1.00	0.00
15.52	158.84	2.00	0.00	1.00	0.00	15.54	157.05	2.00	0.00	1.00	0.00
15.56	145.08	2.00	0.00	1.00	0.00	15.58	135.40	2.00	0.00	1.00	0.00
15.60	126.94	1.74	0.11	1.00	0.00	15.62	123.13	1.62	0.17	1.00	0.00
15.64	112.04	1.35	0.38	1.00	0.01	15.66	103.37	1.20	0.59	1.00	0.01
15.68	92.20	1.05	1.11	1.00	0.02	15.70	83.13	0.95	3.65	1.00	0.07
15.72	77.65	0.90	4.13	1.00	0.08	15.74	73.09	0.86	4.37	1.00	0.09
15.76	70.06	0.84	4.55	1.00	0.09	15.78	66.95	0.82	4.74	1.00	0.09
15.80	65.12	0.80	4.86	1.00	0.10	15.82	66.44	0.81	4.77	1.00	0.10
15.84	69.64	0.84	4.57	1.00	0.09	15.86	72.07	0.86	4.43	1.00	0.09
15.88	73.80	0.87	4.33	1.00	0.09	15.90	80.89	0.93	3.97	1.00	0.08
15.92	77.76	0.91	4.12	1.00	0.08	15.94	77.07	0.90	4.15	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.96	76.91	0.90	4.16	1.00	0.08	15.98	76.86	0.90	4.17	1.00	0.08
16.00	76.74	0.90	4.17	1.00	0.08	16.02	76.69	0.90	4.17	1.00	0.08
16.04	77.27	0.90	4.14	1.00	0.08	16.06	77.13	0.90	4.15	1.00	0.08
16.08	79.25	0.92	4.05	1.00	0.08	16.10	81.60	0.95	3.93	1.00	0.08
16.12	82.21	0.95	3.76	1.00	0.08	16.14	89.04	1.02	1.31	1.00	0.03
16.16	84.86	0.98	2.12	1.00	0.04	16.18	75.37	0.89	4.24	1.00	0.08
16.20	72.34	0.87	4.41	1.00	0.09	16.22	77.77	0.91	4.12	1.00	0.08
16.24	78.97	0.92	4.06	1.00	0.08	16.26	81.51	0.95	3.94	1.00	0.08
16.28	81.81	0.95	3.83	1.00	0.08	16.30	80.54	0.94	3.98	1.00	0.08
16.32	78.18	0.92	4.10	1.00	0.08	16.34	76.69	0.91	4.17	1.00	0.08
16.36	76.50	0.91	4.18	1.00	0.08	16.38	76.90	0.91	4.16	1.00	0.08
16.40	77.10	0.91	4.15	1.00	0.08	16.42	77.81	0.92	4.12	1.00	0.08
16.44	78.66	0.93	4.07	1.00	0.08	16.46	80.02	0.94	4.01	1.00	0.08
16.48	81.78	0.96	3.42	1.00	0.07	16.50	87.16	1.01	1.44	1.00	0.03
16.52	94.07	1.09	0.86	1.00	0.02	16.54	97.85	1.14	0.70	1.00	0.01
16.56	102.31	1.21	0.56	1.00	0.01	16.58	104.80	1.25	0.50	1.00	0.01
16.60	106.83	1.29	0.45	1.00	0.01	16.62	107.89	1.31	0.42	1.00	0.01
16.64	109.56	1.34	0.39	1.00	0.01	16.66	111.34	1.38	0.35	1.00	0.01
16.68	114.02	1.43	0.30	1.00	0.01	16.70	118.07	1.53	0.23	1.00	0.00
16.72	121.24	1.62	0.18	1.00	0.00	16.74	122.19	1.64	0.16	1.00	0.00
16.76	118.85	1.55	0.21	1.00	0.00	16.78	110.13	1.36	0.37	1.00	0.01
16.80	102.94	1.23	0.53	1.00	0.01	16.82	93.72	1.10	0.83	1.00	0.02
16.84	87.75	1.03	1.25	1.00	0.03	16.86	83.57	0.99	1.99	1.00	0.04
16.88	80.51	0.96	3.75	1.00	0.07	16.90	90.07	1.06	1.03	1.00	0.02
16.92	81.17	0.96	3.05	1.00	0.06	16.94	78.89	0.94	4.06	1.00	0.08
16.96	79.25	0.95	4.05	1.00	0.08	16.98	81.49	0.97	2.75	1.00	0.06
17.00	81.43	0.97	2.76	1.00	0.06	17.02	80.75	0.96	3.20	1.00	0.06
17.04	79.94	0.96	4.00	1.00	0.08	17.06	79.95	0.96	3.93	1.00	0.08
17.08	79.90	0.96	3.93	1.00	0.08	17.10	79.30	0.95	4.04	1.00	0.08
17.12	78.05	0.94	4.10	1.00	0.08	17.14	77.55	0.94	4.13	1.00	0.08
17.16	79.09	0.95	4.05	1.00	0.08	17.18	82.33	0.98	2.15	1.00	0.04
17.20	88.49	1.05	1.09	1.00	0.02	17.22	92.78	1.10	0.83	1.00	0.02
17.24	95.59	1.14	0.71	1.00	0.01	17.26	95.88	1.14	0.70	1.00	0.01
17.28	94.15	1.12	0.76	1.00	0.02	17.30	91.43	1.09	0.88	1.00	0.02
17.32	89.57	1.06	0.99	1.00	0.02	17.34	87.56	1.04	1.14	1.00	0.02
17.36	87.37	1.04	1.15	1.00	0.02	17.38	87.28	1.04	1.16	1.00	0.02
17.40	87.22	1.04	1.16	1.00	0.02	17.42	87.23	1.04	1.15	1.00	0.02
17.44	86.67	1.04	1.20	1.00	0.02	17.46	85.68	1.03	1.30	1.00	0.03
17.48	84.90	1.02	1.40	1.00	0.03	17.50	83.82	1.01	1.56	1.00	0.03
17.52	83.15	1.00	1.68	1.00	0.03	17.54	82.90	1.00	1.72	1.00	0.03
17.56	82.23	0.99	1.88	1.00	0.04	17.58	82.29	0.99	1.85	1.00	0.04
17.60	82.27	0.99	1.84	1.00	0.04	17.62	82.16	0.99	1.86	1.00	0.04
17.64	82.11	0.99	1.86	1.00	0.04	17.66	82.07	0.99	1.85	1.00	0.04
17.68	82.01	0.99	1.86	1.00	0.04	17.70	82.22	1.00	1.79	1.00	0.04
17.72	82.44	1.00	1.72	1.00	0.03	17.74	82.74	1.00	1.65	1.00	0.03
17.76	83.76	1.01	1.45	1.00	0.03	17.78	84.50	1.02	1.34	1.00	0.03
17.80	85.08	1.03	1.26	1.00	0.03	17.82	84.75	1.03	1.29	1.00	0.03
17.84	83.84	1.02	1.41	1.00	0.03	17.86	85.83	1.04	1.16	1.00	0.02
17.88	89.23	1.08	0.91	1.00	0.02	17.90	95.04	1.15	0.66	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.92	87.76	1.06	0.99	1.00	0.02	17.94	83.72	1.02	1.39	1.00	0.03
17.96	83.10	1.01	1.47	1.00	0.03	17.98	80.35	0.99	2.13	1.00	0.04
18.00	78.99	0.97	2.76	1.00	0.06	18.02	79.78	0.98	2.32	1.00	0.05
18.04	86.04	1.05	1.10	1.00	0.02	18.06	88.62	1.08	0.91	1.00	0.02
18.08	84.61	1.03	1.23	1.00	0.02	18.10	81.44	1.00	1.72	1.00	0.03
18.12	84.92	1.04	1.18	1.00	0.02	18.14	85.67	1.05	1.11	1.00	0.02
18.16	85.39	1.04	1.13	1.00	0.02	18.18	85.72	1.05	1.09	1.00	0.02
18.20	85.33	1.04	1.12	1.00	0.02	18.22	84.58	1.04	1.19	1.00	0.02
18.24	83.72	1.03	1.28	1.00	0.03	18.26	83.71	1.03	1.28	1.00	0.03
18.28	83.76	1.03	1.26	1.00	0.03	18.30	83.06	1.02	1.35	1.00	0.03
18.32	82.32	1.01	1.45	1.00	0.03	18.34	82.67	1.02	1.39	1.00	0.03
18.36	81.65	1.01	1.54	1.00	0.03	18.38	78.77	0.98	2.38	1.00	0.05
18.40	79.52	0.99	2.06	1.00	0.04	18.42	81.88	1.01	1.48	1.00	0.03
18.44	83.02	1.03	1.30	1.00	0.03	18.46	83.60	1.03	1.23	1.00	0.02
18.48	83.24	1.03	1.26	1.00	0.03	18.50	83.71	1.03	1.20	1.00	0.02
18.52	83.54	1.03	1.21	1.00	0.02	18.54	83.71	1.04	1.19	1.00	0.02
18.56	83.83	1.04	1.17	1.00	0.02	18.58	83.84	1.04	1.17	1.00	0.02
18.60	84.36	1.04	1.11	1.00	0.02	18.62	84.13	1.04	1.13	1.00	0.02
18.64	83.87	1.04	1.15	1.00	0.02	18.66	84.04	1.04	1.13	1.00	0.02
18.68	84.07	1.04	1.12	1.00	0.02	18.70	83.68	1.04	1.15	1.00	0.02
18.72	84.27	1.05	1.09	1.00	0.02	18.74	83.95	1.04	1.11	1.00	0.02
18.76	83.81	1.04	1.12	1.00	0.02	18.78	83.87	1.04	1.11	1.00	0.02
18.80	83.72	1.04	1.12	1.00	0.02	18.82	83.43	1.04	1.14	1.00	0.02
18.84	82.93	1.04	1.19	1.00	0.02	18.86	81.85	1.03	1.31	1.00	0.03
18.88	81.42	1.02	1.36	1.00	0.03	18.90	83.40	1.04	1.12	1.00	0.02
18.92	76.21	0.97	3.18	1.00	0.06	18.94	81.09	1.02	1.38	1.00	0.03
18.96	87.10	1.09	0.85	1.00	0.02	18.98	89.40	1.11	0.75	1.00	0.01
19.00	89.69	1.12	0.73	1.00	0.01	19.02	89.98	1.12	0.72	1.00	0.01
19.04	91.76	1.14	0.66	1.00	0.01	19.06	94.05	1.18	0.59	1.00	0.01
19.08	98.04	1.23	0.50	1.00	0.01	19.10	100.58	1.27	0.44	1.00	0.01
19.12	103.63	1.33	0.39	1.00	0.01	19.14	105.80	1.37	0.35	1.00	0.01
19.16	106.04	1.37	0.34	1.00	0.01	19.18	102.61	1.31	0.40	1.00	0.01
19.20	97.02	1.22	0.51	1.00	0.01	19.22	90.17	1.13	0.69	1.00	0.01
19.24	86.70	1.09	0.83	1.00	0.02	19.26	84.07	1.06	0.98	1.00	0.02
19.28	82.93	1.05	1.06	1.00	0.02	19.30	82.15	1.04	1.13	1.00	0.02
19.32	81.69	1.04	1.17	1.00	0.02	19.34	81.27	1.03	1.21	1.00	0.02
19.36	80.26	1.02	1.33	1.00	0.03	19.38	80.93	1.03	1.23	1.00	0.02
19.40	78.85	1.01	1.55	1.00	0.03	19.42	77.89	1.00	1.75	1.00	0.03
19.44	77.53	1.00	1.83	1.00	0.04	19.46	77.49	1.00	1.83	1.00	0.04
19.48	77.47	1.00	1.82	1.00	0.04	19.50	77.55	1.00	1.78	1.00	0.04
19.52	77.76	1.00	1.71	1.00	0.03	19.54	78.17	1.01	1.61	1.00	0.03
19.56	78.25	1.01	1.58	1.00	0.03	19.58	78.60	1.01	1.50	1.00	0.03
19.60	78.88	1.02	1.44	1.00	0.03	19.62	78.50	1.01	1.50	1.00	0.03
19.64	77.98	1.01	1.59	1.00	0.03	19.66	77.36	1.00	1.72	1.00	0.03
19.68	76.77	1.00	1.86	1.00	0.04	19.70	76.45	1.00	1.95	1.00	0.04
19.72	76.43	1.00	1.94	1.00	0.04	19.74	76.41	1.00	1.93	1.00	0.04
19.76	76.46	1.00	1.90	1.00	0.04	19.78	77.70	1.01	1.57	1.00	0.03
19.80	80.49	1.04	1.15	1.00	0.02	19.82	82.72	1.06	0.96	1.00	0.02
19.84	85.48	1.09	0.80	1.00	0.02	19.86	88.60	1.13	0.67	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.88	90.56	1.16	0.61	1.00	0.01	19.90	91.87	1.17	0.58	1.00	0.01
19.92	92.36	1.18	0.56	1.00	0.01	19.94	93.66	1.20	0.53	1.00	0.01
19.96	96.66	1.24	0.47	1.00	0.01	19.98	99.02	1.28	0.42	1.00	0.01
20.00	97.92	1.26	0.44	1.00	0.01						

Total estimated settlement: 27.41

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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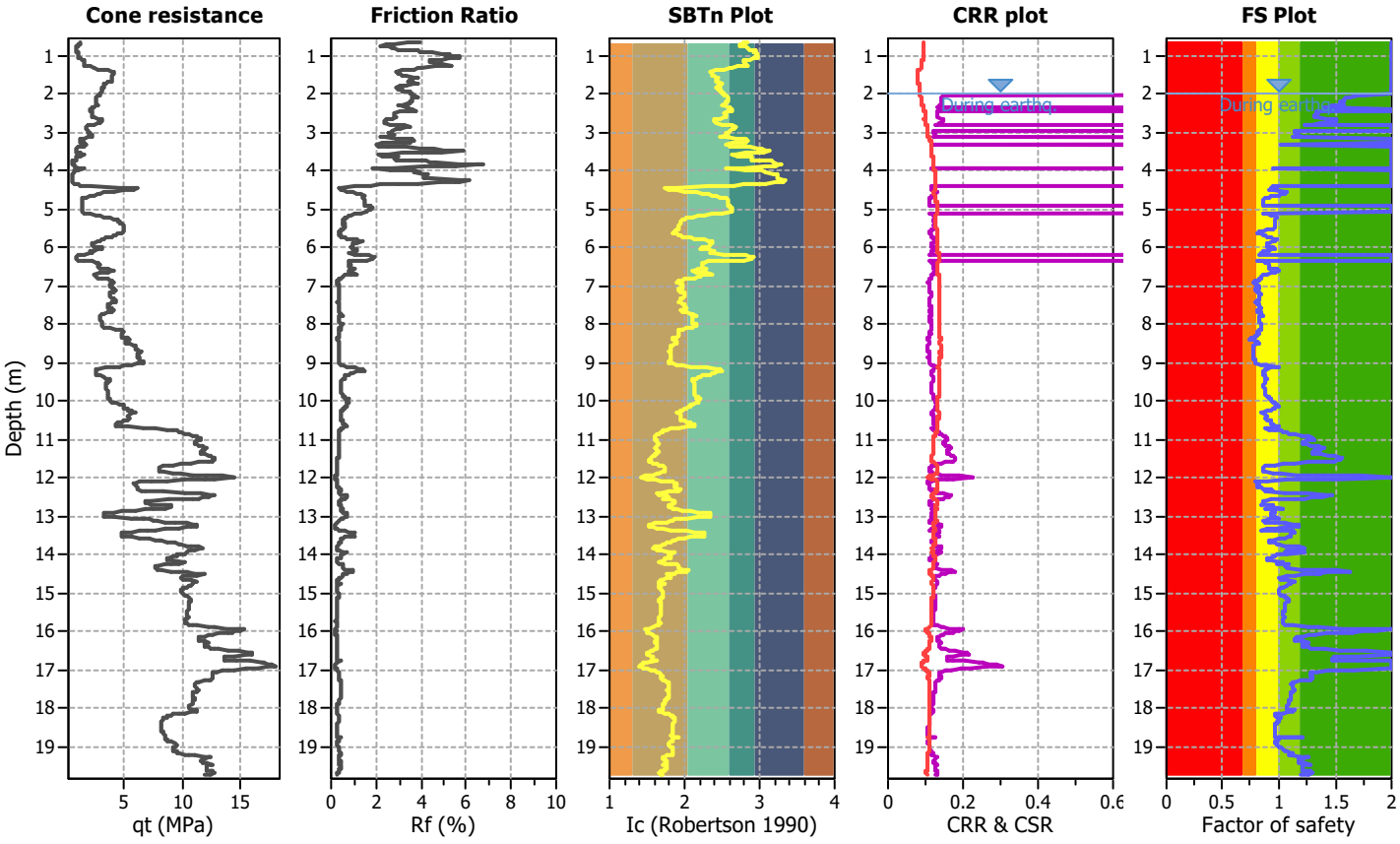
LIQUEFACTION ANALYSIS REPORT

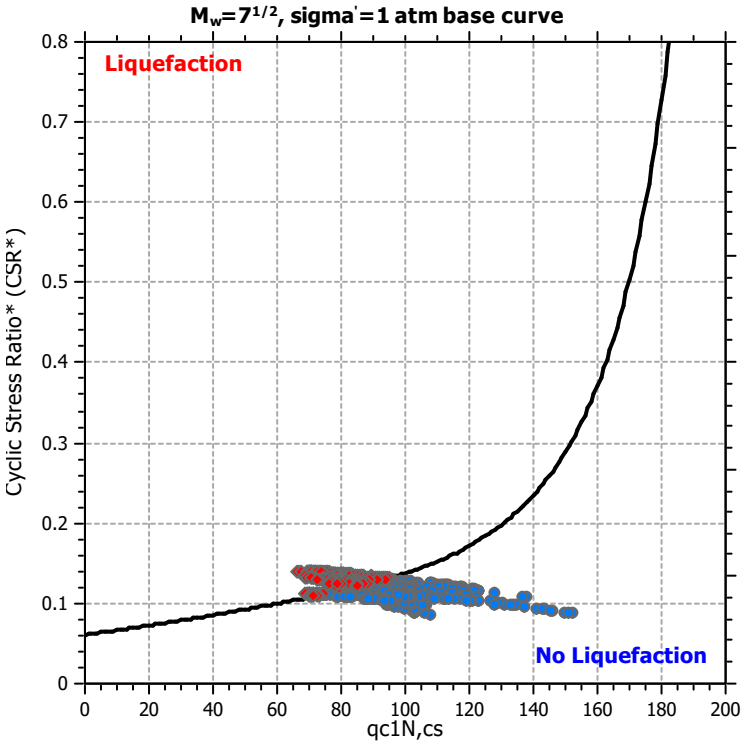
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

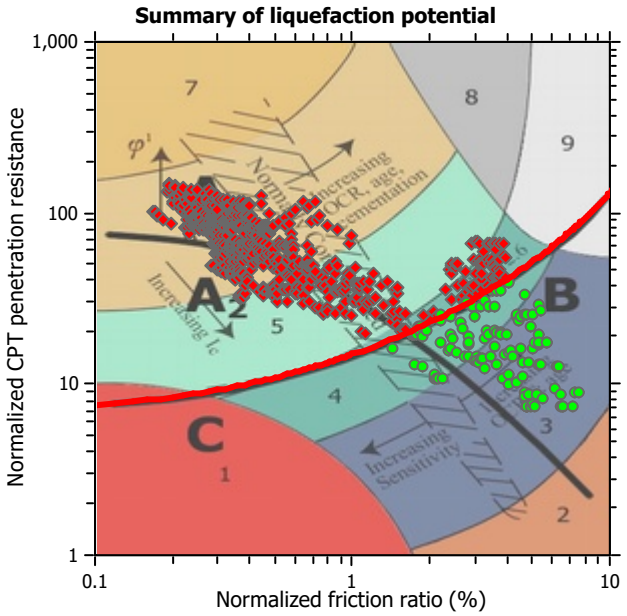
CPT file : P312 - CPTu-18

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

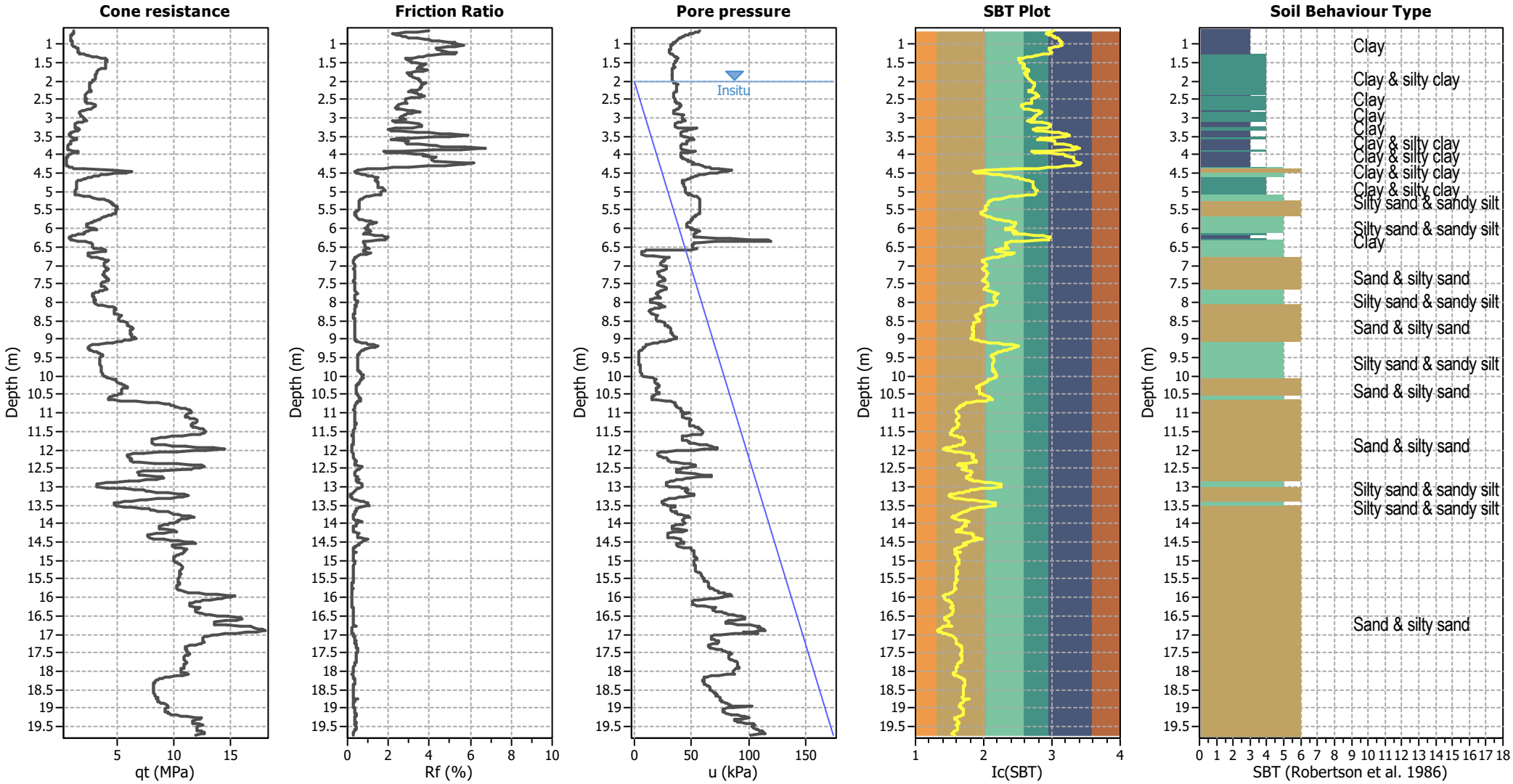






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



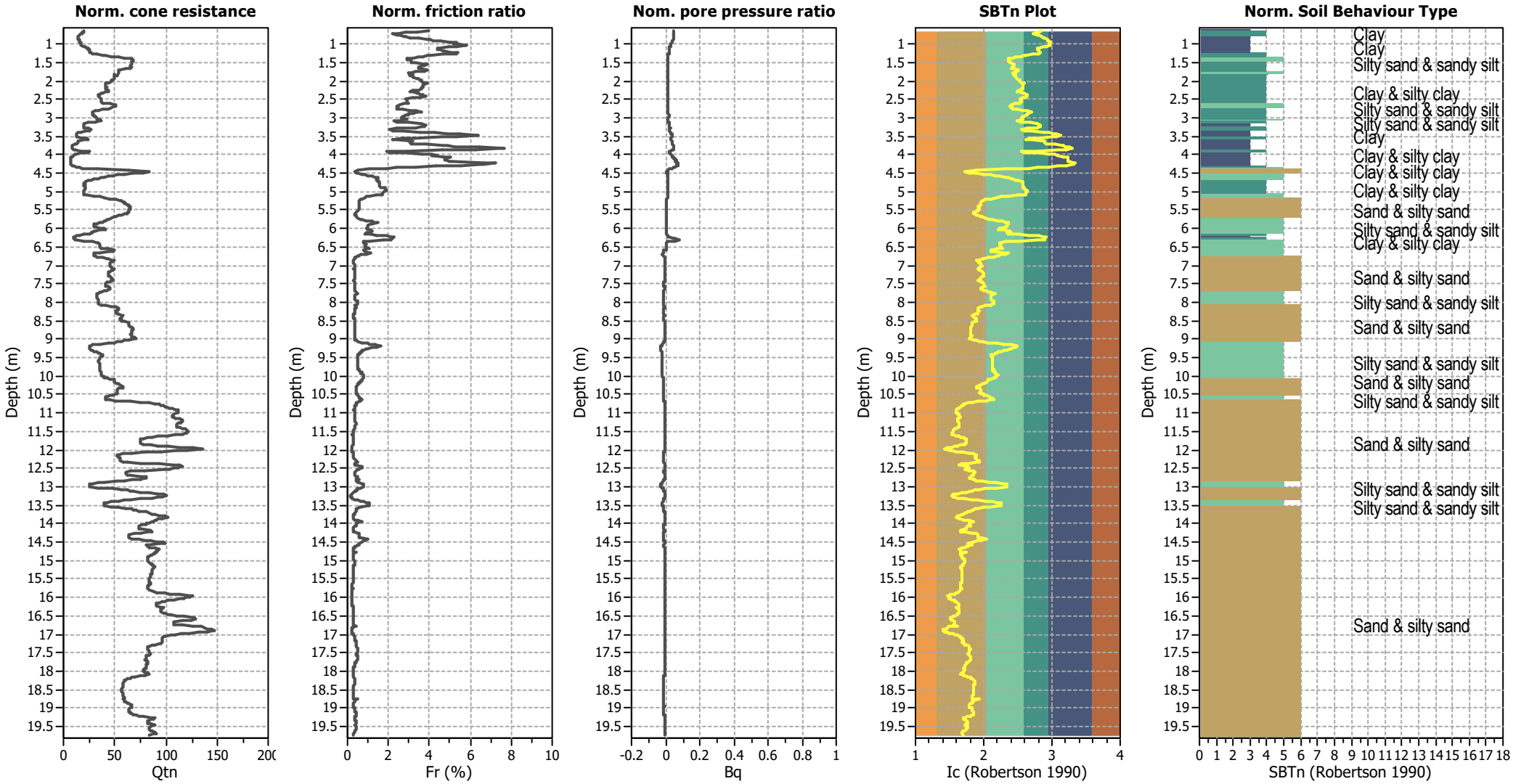
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



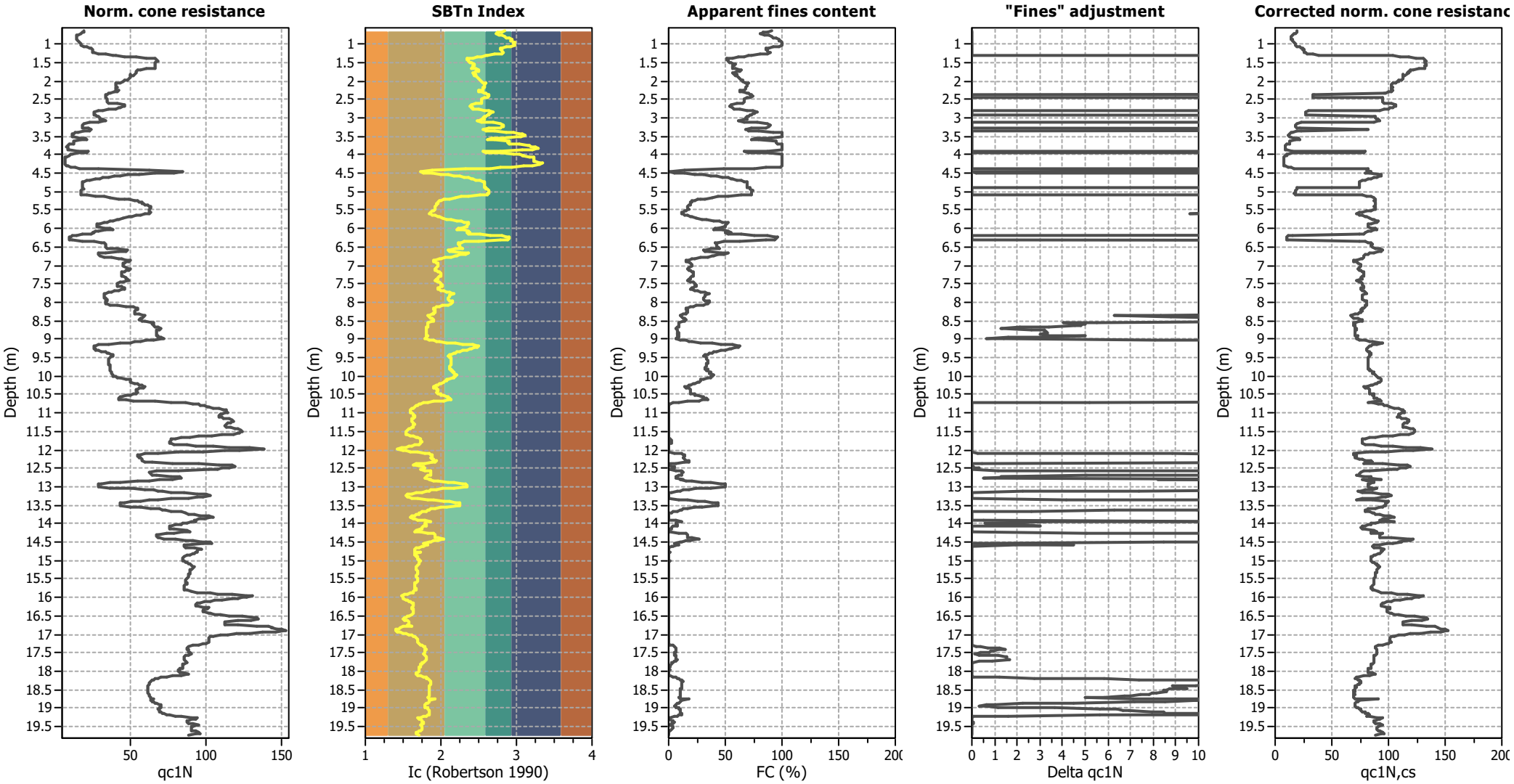
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

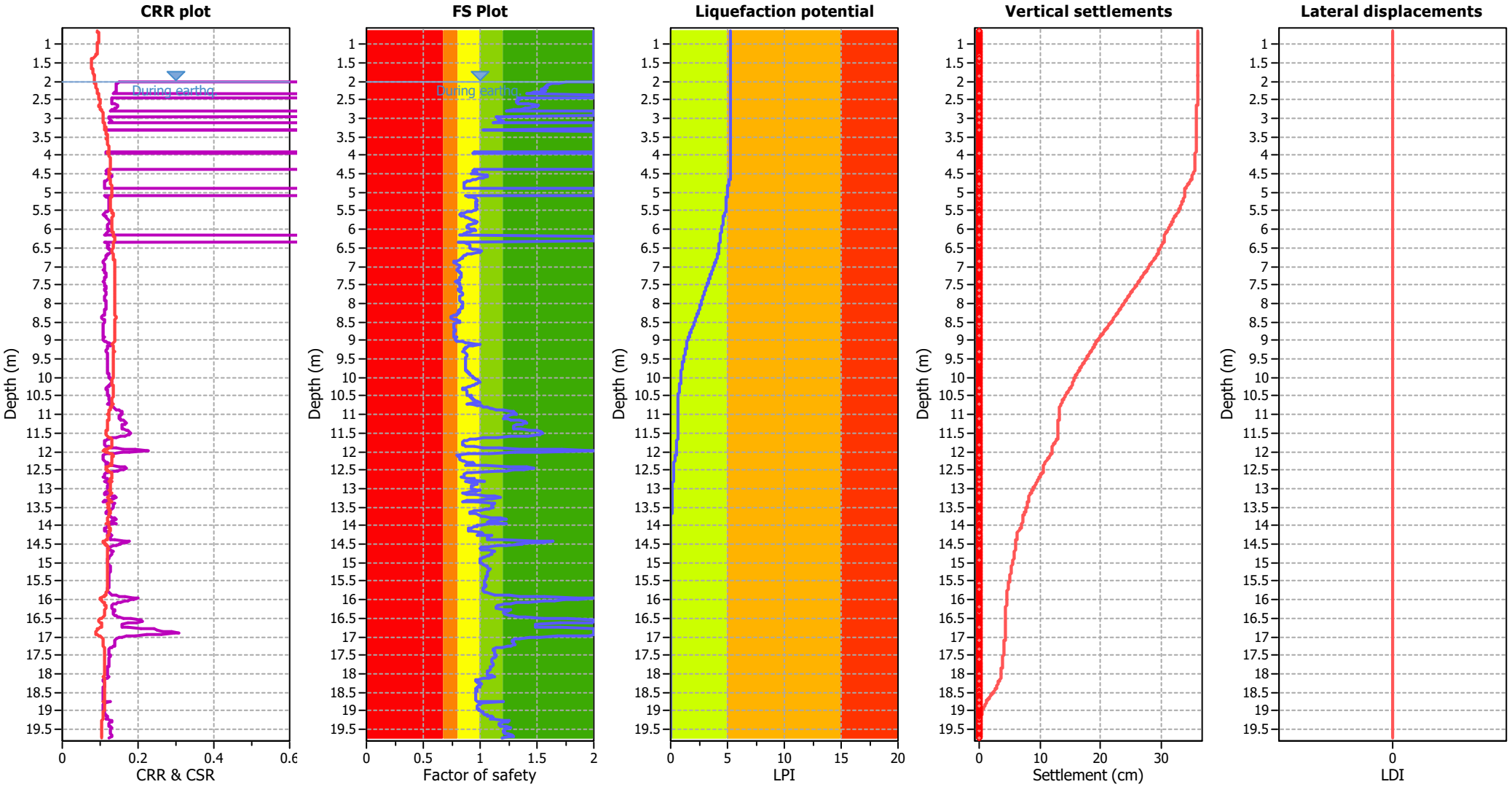
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

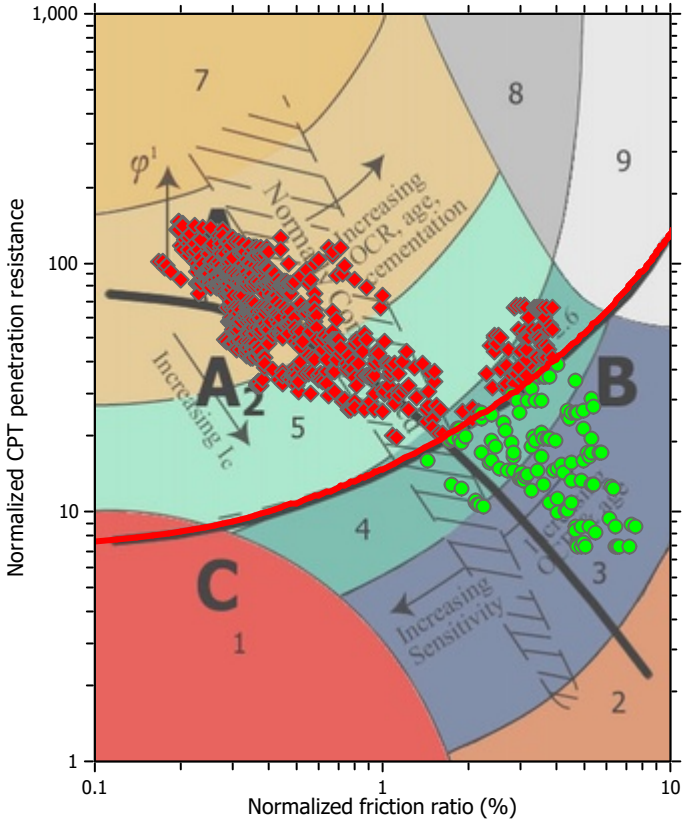
F.S. color scheme

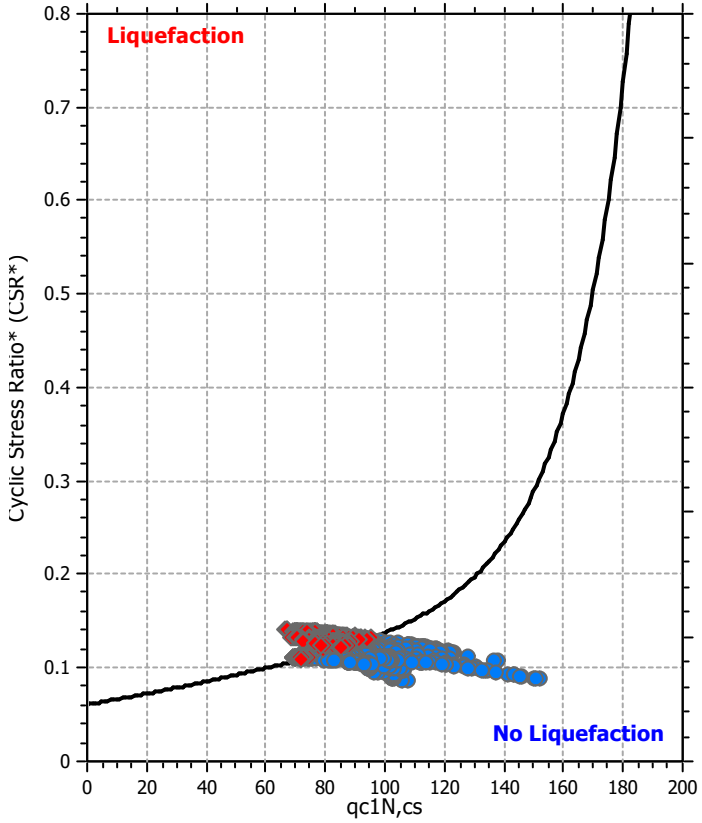
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

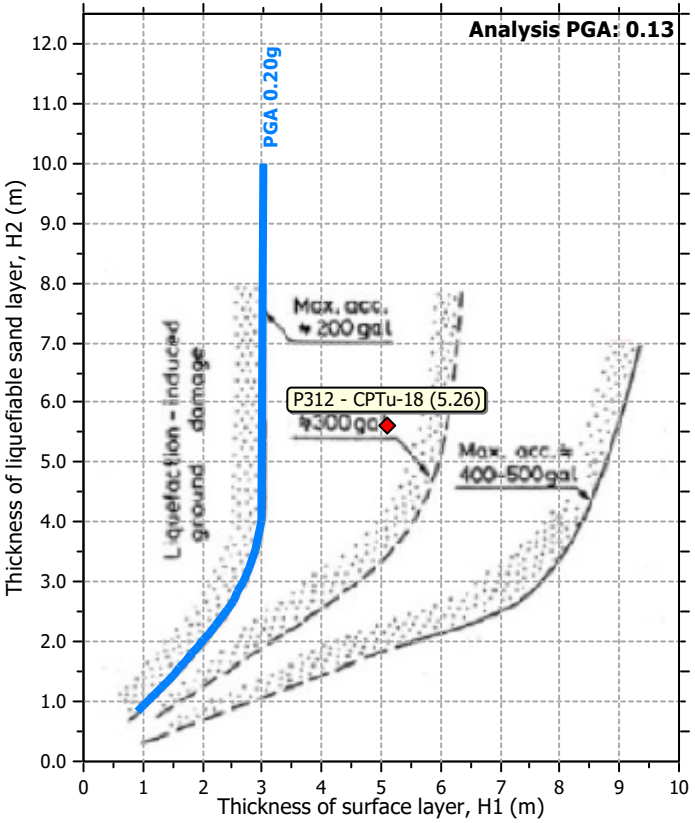
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



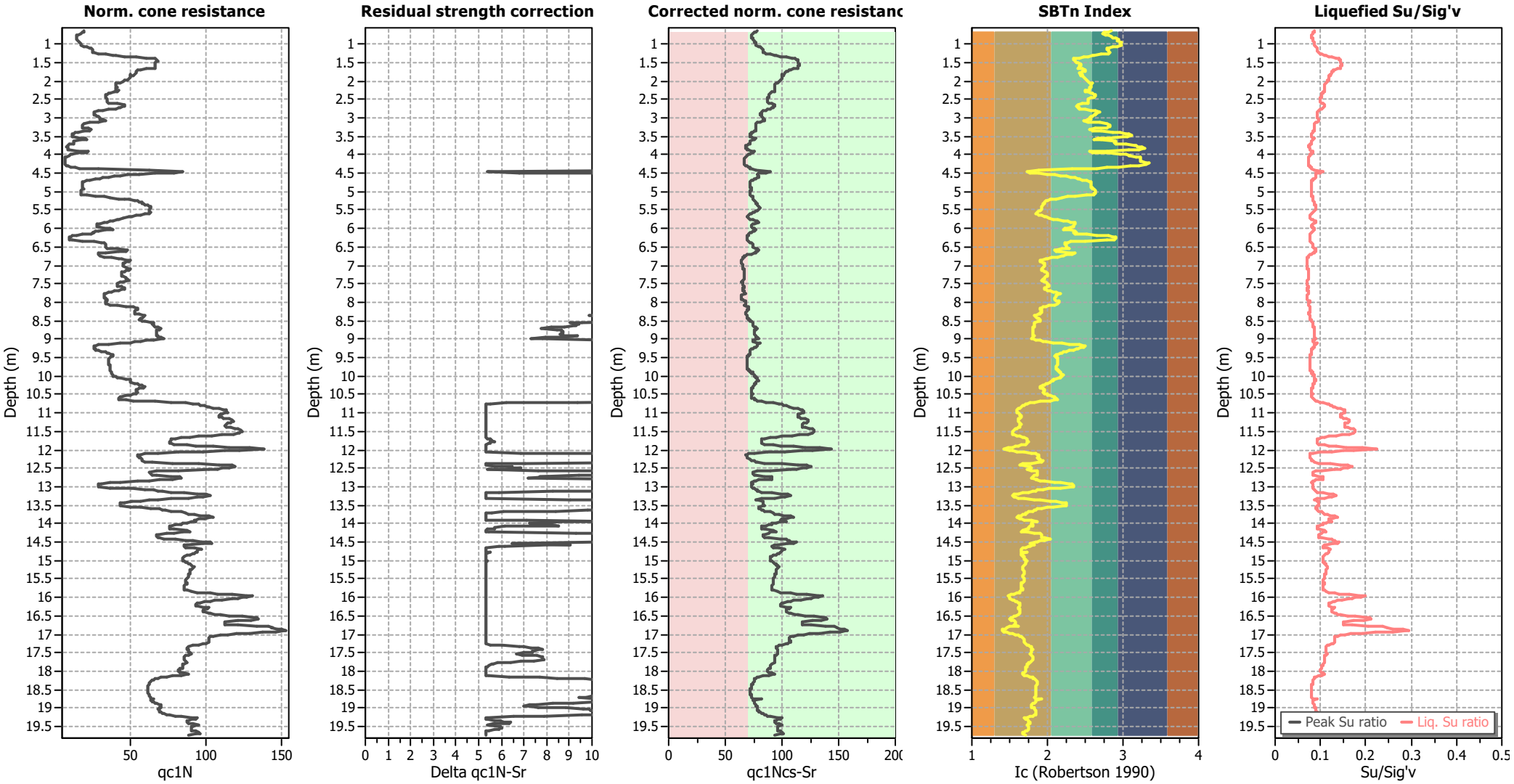




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	1.75	0.00	0.00	0.02	0.00
2.04	1.70	0.00	0.00	0.02	0.00	2.06	1.62	0.00	0.00	0.02	0.00
2.08	1.61	0.00	0.00	0.02	0.00	2.10	1.60	0.00	0.00	0.02	0.00
2.12	1.59	0.00	0.00	0.02	0.00	2.14	1.58	0.00	0.00	0.02	0.00
2.16	1.58	0.00	0.00	0.02	0.00	2.18	1.56	0.00	0.00	0.02	0.00
2.20	1.55	0.00	0.00	0.02	0.00	2.22	1.54	0.00	0.00	0.02	0.00
2.24	1.54	0.00	0.00	0.02	0.00	2.26	1.57	0.00	0.00	0.02	0.00
2.28	1.54	0.00	0.00	0.02	0.00	2.30	1.48	0.00	0.00	0.02	0.00
2.32	1.43	0.00	0.00	0.02	0.00	2.34	1.41	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	1.34	0.00	0.00	0.02	0.00
2.48	1.35	0.00	0.00	0.02	0.00	2.50	1.34	0.00	0.00	0.02	0.00
2.52	1.33	0.00	0.00	0.02	0.00	2.54	1.32	0.00	0.00	0.02	0.00
2.56	1.32	0.00	0.00	0.02	0.00	2.58	1.32	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.60	1.33	0.00	0.00	0.02	0.00	2.62	1.43	0.00	0.00	0.02	0.00
2.64	1.51	0.00	0.00	0.02	0.00	2.66	1.51	0.00	0.00	0.02	0.00
2.68	1.50	0.00	0.00	0.02	0.00	2.70	1.47	0.00	0.00	0.02	0.00
2.72	1.43	0.00	0.00	0.02	0.00	2.74	1.40	0.00	0.00	0.02	0.00
2.76	1.36	0.00	0.00	0.02	0.00	2.78	1.29	0.00	0.00	0.02	0.00
2.80	1.23	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	1.14	0.00	0.00	0.02	0.00	2.98	1.15	0.00	0.00	0.02	0.00
3.00	1.16	0.00	0.00	0.02	0.00	3.02	1.16	0.00	0.00	0.02	0.00
3.04	1.16	0.00	0.00	0.02	0.00	3.06	1.18	0.00	0.00	0.02	0.00
3.08	1.20	0.00	0.00	0.02	0.00	3.10	1.17	0.00	0.00	0.02	0.00
3.12	1.12	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	1.04	0.00	0.00	0.02	0.00
3.32	1.03	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	0.95	0.00	0.00	0.02	0.01	3.94	0.94	0.00	0.00	0.02	0.01
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	0.95	0.00	0.00	0.02	0.01	4.42	0.93	0.00	0.00	0.02	0.01
4.44	0.97	0.00	0.00	0.02	0.00	4.46	0.97	0.00	0.00	0.02	0.01
4.48	0.92	0.00	0.00	0.02	0.01	4.50	0.95	0.00	0.00	0.02	0.01
4.52	1.05	0.00	0.00	0.02	0.00	4.54	1.07	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.56	1.06	0.00	0.00	0.02	0.00	4.58	1.05	0.00	0.00	0.02	0.00
4.60	1.02	0.00	0.00	0.02	0.00	4.62	0.99	0.00	0.00	0.02	0.00
4.64	0.97	0.00	0.00	0.02	0.01	4.66	0.94	0.00	0.00	0.02	0.01
4.68	0.91	0.00	0.00	0.02	0.01	4.70	0.89	0.00	0.00	0.02	0.02
4.72	0.87	0.00	0.00	0.02	0.02	4.74	0.86	0.00	0.00	0.02	0.02
4.76	0.86	0.00	0.00	0.02	0.02	4.78	0.86	0.00	0.00	0.02	0.02
4.80	0.86	0.00	0.00	0.02	0.02	4.82	0.86	0.00	0.00	0.02	0.02
4.84	0.86	0.00	0.00	0.02	0.02	4.86	0.86	0.00	0.00	0.02	0.02
4.88	0.86	0.00	0.00	0.02	0.02	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	0.87	0.00	0.00	0.02	0.02
5.12	0.90	0.00	0.00	0.02	0.01	5.14	0.94	0.00	0.00	0.02	0.01
5.16	0.96	0.00	0.00	0.02	0.01	5.19	0.97	0.00	0.00	0.03	0.01
5.20	0.98	0.00	0.00	0.01	0.00	5.22	0.97	0.00	0.00	0.02	0.00
5.24	0.97	0.00	0.00	0.02	0.00	5.26	0.96	0.00	0.00	0.02	0.01
5.28	0.97	0.00	0.00	0.02	0.01	5.30	0.96	0.00	0.00	0.02	0.01
5.32	0.97	0.00	0.00	0.02	0.00	5.34	0.97	0.00	0.00	0.02	0.00
5.36	0.97	0.00	0.00	0.02	0.00	5.38	0.97	0.00	0.00	0.02	0.00
5.40	0.96	0.00	0.00	0.02	0.01	5.42	0.96	0.00	0.00	0.02	0.01
5.44	0.97	0.00	0.00	0.02	0.00	5.46	0.97	0.00	0.00	0.02	0.00
5.48	0.97	0.00	0.00	0.02	0.00	5.50	0.95	0.00	0.00	0.02	0.01
5.52	0.93	0.00	0.00	0.02	0.01	5.54	0.89	0.00	0.00	0.02	0.02
5.56	0.86	0.00	0.00	0.02	0.02	5.58	0.83	0.00	0.00	0.02	0.02
5.60	0.81	0.00	0.00	0.02	0.03	5.62	0.82	0.00	0.00	0.02	0.03
5.64	0.83	0.00	0.00	0.02	0.02	5.66	0.86	0.00	0.00	0.02	0.02
5.68	0.87	0.00	0.00	0.02	0.02	5.70	0.89	0.00	0.00	0.02	0.02
5.72	0.91	0.00	0.00	0.02	0.01	5.74	0.93	0.00	0.00	0.02	0.01
5.76	0.95	0.00	0.00	0.02	0.01	5.78	0.97	0.00	0.00	0.02	0.00
5.80	0.98	0.00	0.00	0.02	0.00	5.82	0.97	0.00	0.00	0.02	0.00
5.84	0.95	0.00	0.00	0.02	0.01	5.86	0.91	0.00	0.00	0.02	0.01
5.88	0.90	0.00	0.00	0.02	0.01	5.90	0.89	0.00	0.00	0.02	0.02
5.92	0.89	0.00	0.00	0.02	0.02	5.94	0.89	0.00	0.00	0.02	0.02
5.96	0.89	0.00	0.00	0.02	0.01	5.98	0.92	0.00	0.00	0.02	0.01
6.00	0.95	0.00	0.00	0.02	0.01	6.02	0.96	0.00	0.00	0.02	0.01
6.04	0.94	0.00	0.00	0.02	0.01	6.06	0.90	0.00	0.00	0.02	0.01
6.08	0.89	0.00	0.00	0.02	0.02	6.10	0.87	0.00	0.00	0.02	0.02
6.12	0.87	0.00	0.00	0.02	0.02	6.14	0.85	0.00	0.00	0.02	0.02
6.16	0.82	0.00	0.00	0.02	0.03	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	0.81	0.00	0.00	0.02	0.03
6.36	0.85	0.00	0.00	0.02	0.02	6.38	0.88	0.00	0.00	0.02	0.02
6.40	0.90	0.00	0.00	0.02	0.01	6.42	0.91	0.00	0.00	0.02	0.01
6.44	0.91	0.00	0.00	0.02	0.01	6.46	0.91	0.00	0.00	0.02	0.01
6.48	0.91	0.00	0.00	0.02	0.01	6.50	0.91	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.52	0.91	0.00	0.00	0.02	0.01	6.54	0.93	0.00	0.00	0.02	0.01
6.56	0.98	0.00	0.00	0.02	0.00	6.58	1.01	0.00	0.00	0.02	0.00
6.60	1.00	0.00	0.00	0.02	0.00	6.62	0.99	0.00	0.00	0.02	0.00
6.64	0.97	0.00	0.00	0.02	0.00	6.66	0.92	0.00	0.00	0.02	0.01
6.68	0.89	0.00	0.00	0.02	0.01	6.70	0.88	0.00	0.00	0.02	0.02
6.72	0.85	0.00	0.00	0.02	0.02	6.74	0.85	0.00	0.00	0.02	0.02
6.76	0.84	0.00	0.00	0.02	0.02	6.78	0.84	0.00	0.00	0.02	0.02
6.80	0.84	0.00	0.00	0.02	0.02	6.82	0.83	0.00	0.00	0.02	0.02
6.84	0.82	0.00	0.00	0.02	0.02	6.86	0.79	0.00	0.00	0.02	0.03
6.88	0.77	0.00	0.00	0.02	0.03	6.90	0.77	0.00	0.00	0.02	0.03
6.92	0.79	0.00	0.00	0.02	0.03	6.94	0.80	0.00	0.00	0.02	0.03
6.96	0.80	0.00	0.00	0.02	0.03	6.98	0.82	0.00	0.00	0.02	0.02
7.00	0.82	0.00	0.00	0.02	0.02	7.02	0.82	0.00	0.00	0.02	0.02
7.04	0.82	0.00	0.00	0.02	0.02	7.06	0.81	0.00	0.00	0.02	0.03
7.08	0.79	0.00	0.00	0.02	0.03	7.10	0.79	0.00	0.00	0.02	0.03
7.12	0.80	0.00	0.00	0.02	0.03	7.14	0.82	0.00	0.00	0.02	0.02
7.16	0.82	0.00	0.00	0.02	0.02	7.18	0.83	0.00	0.00	0.02	0.02
7.20	0.83	0.00	0.00	0.02	0.02	7.22	0.83	0.00	0.00	0.02	0.02
7.24	0.83	0.00	0.00	0.02	0.02	7.26	0.83	0.00	0.00	0.02	0.02
7.28	0.83	0.00	0.00	0.02	0.02	7.30	0.82	0.00	0.00	0.02	0.02
7.32	0.82	0.00	0.00	0.02	0.02	7.34	0.82	0.00	0.00	0.02	0.02
7.36	0.82	0.00	0.00	0.02	0.02	7.38	0.81	0.00	0.00	0.02	0.02
7.40	0.79	0.00	0.00	0.02	0.03	7.42	0.79	0.00	0.00	0.02	0.03
7.44	0.80	0.00	0.00	0.02	0.02	7.46	0.81	0.00	0.00	0.02	0.02
7.48	0.82	0.00	0.00	0.02	0.02	7.50	0.82	0.00	0.00	0.02	0.02
7.52	0.82	0.00	0.00	0.02	0.02	7.54	0.83	0.00	0.00	0.02	0.02
7.56	0.83	0.00	0.00	0.02	0.02	7.58	0.83	0.00	0.00	0.02	0.02
7.60	0.83	0.00	0.00	0.02	0.02	7.62	0.81	0.00	0.00	0.02	0.02
7.64	0.81	0.00	0.00	0.02	0.02	7.66	0.82	0.00	0.00	0.02	0.02
7.68	0.83	0.00	0.00	0.02	0.02	7.70	0.84	0.00	0.00	0.02	0.02
7.72	0.84	0.00	0.00	0.02	0.02	7.74	0.84	0.00	0.00	0.02	0.02
7.76	0.85	0.00	0.00	0.02	0.02	7.78	0.84	0.00	0.00	0.02	0.02
7.80	0.82	0.00	0.00	0.02	0.02	7.82	0.82	0.00	0.00	0.02	0.02
7.84	0.82	0.00	0.00	0.02	0.02	7.86	0.82	0.00	0.00	0.02	0.02
7.88	0.82	0.00	0.00	0.02	0.02	7.90	0.82	0.00	0.00	0.02	0.02
7.92	0.82	0.00	0.00	0.02	0.02	7.94	0.82	0.00	0.00	0.02	0.02
7.96	0.84	0.00	0.00	0.02	0.02	7.98	0.85	0.00	0.00	0.02	0.02
8.00	0.85	0.00	0.00	0.02	0.02	8.02	0.85	0.00	0.00	0.02	0.02
8.04	0.85	0.00	0.00	0.02	0.02	8.06	0.85	0.00	0.00	0.02	0.02
8.08	0.85	0.00	0.00	0.02	0.02	8.10	0.84	0.00	0.00	0.02	0.02
8.12	0.84	0.00	0.00	0.02	0.02	8.14	0.84	0.00	0.00	0.02	0.02
8.16	0.83	0.00	0.00	0.02	0.02	8.18	0.82	0.00	0.00	0.02	0.02
8.20	0.81	0.00	0.00	0.02	0.02	8.22	0.82	0.00	0.00	0.02	0.02
8.24	0.82	0.00	0.00	0.02	0.02	8.26	0.81	0.00	0.00	0.02	0.02
8.28	0.80	0.00	0.00	0.02	0.02	8.30	0.80	0.00	0.00	0.02	0.02
8.32	0.79	0.00	0.00	0.02	0.02	8.34	0.77	0.00	0.00	0.02	0.03
8.36	0.75	0.00	0.00	0.02	0.03	8.38	0.74	0.00	0.00	0.02	0.03
8.40	0.75	0.00	0.00	0.02	0.03	8.42	0.76	0.00	0.00	0.02	0.03
8.44	0.79	0.00	0.00	0.02	0.02	8.46	0.81	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.48	0.82	0.00	0.00	0.02	0.02	8.50	0.82	0.00	0.00	0.02	0.02
8.52	0.80	0.00	0.00	0.02	0.02	8.54	0.77	0.00	0.00	0.02	0.03
8.56	0.77	0.00	0.00	0.02	0.03	8.58	0.77	0.00	0.00	0.02	0.03
8.60	0.77	0.00	0.00	0.02	0.03	8.62	0.77	0.00	0.00	0.02	0.03
8.64	0.77	0.00	0.00	0.02	0.03	8.66	0.77	0.00	0.00	0.02	0.03
8.68	0.77	0.00	0.00	0.02	0.03	8.70	0.78	0.00	0.00	0.02	0.03
8.72	0.78	0.00	0.00	0.02	0.02	8.74	0.78	0.00	0.00	0.02	0.02
8.76	0.77	0.00	0.00	0.02	0.03	8.78	0.77	0.00	0.00	0.02	0.03
8.80	0.77	0.00	0.00	0.02	0.03	8.82	0.77	0.00	0.00	0.02	0.03
8.84	0.77	0.00	0.00	0.02	0.03	8.86	0.77	0.00	0.00	0.02	0.03
8.88	0.77	0.00	0.00	0.02	0.03	8.90	0.78	0.00	0.00	0.02	0.02
8.92	0.79	0.00	0.00	0.02	0.02	8.94	0.78	0.00	0.00	0.02	0.02
8.96	0.78	0.00	0.00	0.02	0.02	8.98	0.79	0.00	0.00	0.02	0.02
9.00	0.79	0.00	0.00	0.02	0.02	9.02	0.80	0.00	0.00	0.02	0.02
9.04	0.85	0.00	0.00	0.02	0.02	9.06	0.87	0.00	0.00	0.02	0.01
9.08	0.90	0.00	0.00	0.02	0.01	9.10	0.98	0.00	0.00	0.02	0.00
9.12	1.00	0.00	0.00	0.02	0.00	9.14	0.94	0.00	0.00	0.02	0.01
9.16	0.89	0.00	0.00	0.02	0.01	9.18	0.88	0.00	0.00	0.02	0.01
9.20	0.88	0.00	0.00	0.02	0.01	9.22	0.87	0.00	0.00	0.02	0.01
9.24	0.86	0.00	0.00	0.02	0.01	9.26	0.86	0.00	0.00	0.02	0.02
9.28	0.86	0.00	0.00	0.02	0.02	9.30	0.85	0.00	0.00	0.02	0.02
9.32	0.86	0.00	0.00	0.02	0.01	9.34	0.87	0.00	0.00	0.02	0.01
9.36	0.88	0.00	0.00	0.02	0.01	9.38	0.88	0.00	0.00	0.02	0.01
9.40	0.89	0.00	0.00	0.02	0.01	9.42	0.89	0.00	0.00	0.02	0.01
9.44	0.88	0.00	0.00	0.02	0.01	9.46	0.88	0.00	0.00	0.02	0.01
9.48	0.87	0.00	0.00	0.02	0.01	9.50	0.87	0.00	0.00	0.02	0.01
9.52	0.87	0.00	0.00	0.02	0.01	9.54	0.87	0.00	0.00	0.02	0.01
9.55	0.87	0.00	0.00	0.02	0.01	9.57	0.87	0.00	0.00	0.02	0.01
9.59	0.87	0.00	0.00	0.02	0.01	9.61	0.87	0.00	0.00	0.02	0.01
9.63	0.87	0.00	0.00	0.02	0.01	9.65	0.87	0.00	0.00	0.02	0.01
9.67	0.87	0.00	0.00	0.02	0.01	9.69	0.87	0.00	0.00	0.02	0.01
9.71	0.87	0.00	0.00	0.02	0.01	9.73	0.87	0.00	0.00	0.02	0.01
9.75	0.87	0.00	0.00	0.02	0.01	9.77	0.87	0.00	0.00	0.02	0.01
9.79	0.87	0.00	0.00	0.02	0.01	9.81	0.89	0.00	0.00	0.02	0.01
9.83	0.88	0.00	0.00	0.02	0.01	9.85	0.89	0.00	0.00	0.02	0.01
9.87	0.90	0.00	0.00	0.02	0.01	9.89	0.91	0.00	0.00	0.02	0.01
9.91	0.91	0.00	0.00	0.02	0.01	9.93	0.92	0.00	0.00	0.02	0.01
9.95	0.94	0.00	0.00	0.02	0.01	9.97	0.93	0.00	0.00	0.02	0.01
9.99	0.94	0.00	0.00	0.02	0.01	10.01	0.95	0.00	0.00	0.02	0.01
10.03	0.96	0.00	0.00	0.02	0.00	10.05	0.97	0.00	0.00	0.02	0.00
10.07	0.98	0.00	0.00	0.02	0.00	10.09	0.99	0.00	0.00	0.02	0.00
10.11	0.99	0.00	0.00	0.02	0.00	10.13	0.99	0.00	0.00	0.02	0.00
10.15	0.97	0.00	0.00	0.02	0.00	10.17	0.96	0.00	0.00	0.02	0.00
10.19	0.95	0.00	0.00	0.02	0.01	10.21	0.93	0.00	0.00	0.02	0.01
10.23	0.91	0.00	0.00	0.02	0.01	10.25	0.90	0.00	0.00	0.02	0.01
10.27	0.87	0.00	0.00	0.02	0.01	10.29	0.85	0.00	0.00	0.02	0.01
10.31	0.85	0.00	0.00	0.02	0.01	10.33	0.88	0.00	0.00	0.02	0.01
10.35	0.88	0.00	0.00	0.02	0.01	10.37	0.89	0.00	0.00	0.02	0.01
10.39	0.89	0.00	0.00	0.02	0.01	10.41	0.89	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.43	0.89	0.00	0.00	0.02	0.01	10.45	0.88	0.00	0.00	0.02	0.01
10.47	0.89	0.00	0.00	0.02	0.01	10.49	0.93	0.00	0.00	0.02	0.01
10.51	0.92	0.00	0.00	0.02	0.01	10.53	0.92	0.00	0.00	0.02	0.01
10.55	0.93	0.00	0.00	0.02	0.01	10.57	0.93	0.00	0.00	0.02	0.01
10.59	0.93	0.00	0.00	0.02	0.01	10.61	0.95	0.00	0.00	0.02	0.00
10.63	0.96	0.00	0.00	0.02	0.00	10.65	0.98	0.00	0.00	0.02	0.00
10.67	1.00	0.00	0.00	0.02	0.00	10.69	0.95	0.00	0.00	0.02	0.00
10.71	0.88	0.00	0.00	0.02	0.01	10.73	0.92	0.00	0.00	0.02	0.01
10.75	0.97	0.00	0.00	0.02	0.00	10.77	1.01	0.00	0.00	0.02	0.00
10.79	1.03	0.00	0.00	0.02	0.00	10.81	1.06	0.00	0.00	0.02	0.00
10.83	1.09	0.00	0.00	0.02	0.00	10.85	1.10	0.00	0.00	0.02	0.00
10.87	1.15	0.00	0.00	0.02	0.00	10.89	1.21	0.00	0.00	0.02	0.00
10.91	1.26	0.00	0.00	0.02	0.00	10.93	1.30	0.00	0.00	0.02	0.00
10.95	1.30	0.00	0.00	0.02	0.00	10.97	1.30	0.00	0.00	0.02	0.00
10.99	1.31	0.00	0.00	0.02	0.00	11.01	1.28	0.00	0.00	0.02	0.00
11.03	1.24	0.00	0.00	0.02	0.00	11.05	1.22	0.00	0.00	0.02	0.00
11.07	1.21	0.00	0.00	0.02	0.00	11.09	1.21	0.00	0.00	0.02	0.00
11.11	1.21	0.00	0.00	0.02	0.00	11.13	1.24	0.00	0.00	0.02	0.00
11.15	1.27	0.00	0.00	0.02	0.00	11.17	1.35	0.00	0.00	0.02	0.00
11.19	1.39	0.00	0.00	0.02	0.00	11.21	1.41	0.00	0.00	0.02	0.00
11.23	1.39	0.00	0.00	0.02	0.00	11.25	1.37	0.00	0.00	0.02	0.00
11.27	1.32	0.00	0.00	0.02	0.00	11.29	1.30	0.00	0.00	0.02	0.00
11.31	1.30	0.00	0.00	0.02	0.00	11.33	1.30	0.00	0.00	0.02	0.00
11.35	1.30	0.00	0.00	0.02	0.00	11.37	1.30	0.00	0.00	0.02	0.00
11.39	1.36	0.00	0.00	0.02	0.00	11.41	1.43	0.00	0.00	0.02	0.00
11.43	1.49	0.00	0.00	0.02	0.00	11.45	1.54	0.00	0.00	0.02	0.00
11.47	1.54	0.00	0.00	0.02	0.00	11.49	1.55	0.00	0.00	0.02	0.00
11.51	1.54	0.00	0.00	0.02	0.00	11.53	1.52	0.00	0.00	0.02	0.00
11.55	1.50	0.00	0.00	0.02	0.00	11.57	1.42	0.00	0.00	0.02	0.00
11.59	1.27	0.00	0.00	0.02	0.00	11.61	1.15	0.00	0.00	0.02	0.00
11.63	1.03	0.00	0.00	0.02	0.00	11.65	0.96	0.00	0.00	0.02	0.00
11.67	0.92	0.00	0.00	0.02	0.01	11.69	0.88	0.00	0.00	0.02	0.01
11.71	0.86	0.00	0.00	0.02	0.01	11.73	0.85	0.00	0.00	0.02	0.01
11.75	0.85	0.00	0.00	0.02	0.01	11.77	0.85	0.00	0.00	0.02	0.01
11.79	0.85	0.00	0.00	0.02	0.01	11.81	0.85	0.00	0.00	0.02	0.01
11.83	0.86	0.00	0.00	0.02	0.01	11.85	0.88	0.00	0.00	0.02	0.01
11.87	0.95	0.00	0.00	0.02	0.00	11.89	1.02	0.00	0.00	0.02	0.00
11.91	1.17	0.00	0.00	0.02	0.00	11.93	1.36	0.00	0.00	0.02	0.00
11.95	1.71	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	1.53	0.00	0.00	0.02	0.00
12.03	1.31	0.00	0.00	0.02	0.00	12.05	1.07	0.00	0.00	0.02	0.00
12.07	0.90	0.00	0.00	0.02	0.01	12.09	0.80	0.00	0.00	0.02	0.02
12.11	0.80	0.00	0.00	0.02	0.02	12.13	0.80	0.00	0.00	0.02	0.02
12.15	0.82	0.00	0.00	0.02	0.01	12.17	0.82	0.00	0.00	0.02	0.01
12.19	0.82	0.00	0.00	0.02	0.01	12.21	0.82	0.00	0.00	0.02	0.01
12.23	0.81	0.00	0.00	0.02	0.01	12.25	0.84	0.00	0.00	0.02	0.01
12.27	0.86	0.00	0.00	0.02	0.01	12.29	0.89	0.00	0.00	0.02	0.01
12.31	0.93	0.00	0.00	0.02	0.01	12.33	0.95	0.00	0.00	0.02	0.00
12.35	0.90	0.00	0.00	0.02	0.01	12.37	0.88	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.39	1.05	0.00	0.00	0.02	0.00	12.41	1.25	0.00	0.00	0.02	0.00
12.43	1.41	0.00	0.00	0.02	0.00	12.45	1.48	0.00	0.00	0.02	0.00
12.47	1.46	0.00	0.00	0.02	0.00	12.49	1.38	0.00	0.00	0.02	0.00
12.51	1.29	0.00	0.00	0.02	0.00	12.53	1.23	0.00	0.00	0.02	0.00
12.55	1.15	0.00	0.00	0.02	0.00	12.57	0.92	0.00	0.00	0.02	0.01
12.59	0.88	0.00	0.00	0.02	0.01	12.61	0.86	0.00	0.00	0.02	0.01
12.63	0.86	0.00	0.00	0.02	0.01	12.65	0.85	0.00	0.00	0.02	0.01
12.67	0.85	0.00	0.00	0.02	0.01	12.69	0.84	0.00	0.00	0.02	0.01
12.71	0.89	0.00	0.00	0.02	0.01	12.73	0.95	0.00	0.00	0.02	0.00
12.75	0.94	0.00	0.00	0.02	0.00	12.77	0.93	0.00	0.00	0.02	0.01
12.79	1.03	0.00	0.00	0.02	0.00	12.81	0.88	0.00	0.00	0.02	0.01
12.83	0.93	0.00	0.00	0.02	0.01	12.85	0.97	0.00	0.00	0.02	0.00
12.87	0.97	0.00	0.00	0.02	0.00	12.89	0.96	0.00	0.00	0.02	0.00
12.91	0.94	0.00	0.00	0.02	0.00	12.93	0.93	0.00	0.00	0.02	0.01
12.95	0.93	0.00	0.00	0.02	0.01	12.97	0.93	0.00	0.00	0.02	0.01
12.99	0.93	0.00	0.00	0.02	0.01	13.01	0.93	0.00	0.00	0.02	0.01
13.03	0.97	0.00	0.00	0.02	0.00	13.05	1.01	0.00	0.00	0.02	0.00
13.07	0.97	0.00	0.00	0.02	0.00	13.09	0.91	0.00	0.00	0.02	0.01
13.11	0.87	0.00	0.00	0.02	0.01	13.13	0.85	0.00	0.00	0.02	0.01
13.15	0.88	0.00	0.00	0.02	0.01	13.17	0.96	0.00	0.00	0.02	0.00
13.19	1.05	0.00	0.00	0.02	0.00	13.21	1.13	0.00	0.00	0.02	0.00
13.23	1.18	0.00	0.00	0.02	0.00	13.25	1.18	0.00	0.00	0.02	0.00
13.27	1.11	0.00	0.00	0.02	0.00	13.29	1.06	0.00	0.00	0.02	0.00
13.31	0.99	0.00	0.00	0.02	0.00	13.33	0.89	0.00	0.00	0.02	0.01
13.35	0.85	0.00	0.00	0.02	0.01	13.37	0.97	0.00	0.00	0.02	0.00
13.39	1.11	0.00	0.00	0.02	0.00	13.41	1.13	0.00	0.00	0.02	0.00
13.43	1.12	0.00	0.00	0.02	0.00	13.45	1.10	0.00	0.00	0.02	0.00
13.47	1.10	0.00	0.00	0.02	0.00	13.49	1.10	0.00	0.00	0.02	0.00
13.51	1.11	0.00	0.00	0.02	0.00	13.53	1.10	0.00	0.00	0.02	0.00
13.55	1.08	0.00	0.00	0.02	0.00	13.57	1.05	0.00	0.00	0.02	0.00
13.59	1.00	0.00	0.00	0.02	0.00	13.61	0.94	0.00	0.00	0.02	0.00
13.63	0.93	0.00	0.00	0.02	0.00	13.65	0.92	0.00	0.00	0.02	0.01
13.67	0.91	0.00	0.00	0.02	0.01	13.69	0.96	0.00	0.00	0.02	0.00
13.71	0.98	0.00	0.00	0.02	0.00	13.73	0.99	0.00	0.00	0.02	0.00
13.75	1.01	0.00	0.00	0.02	0.00	13.77	1.04	0.00	0.00	0.02	0.00
13.79	1.09	0.00	0.00	0.02	0.00	13.81	1.18	0.00	0.00	0.02	0.00
13.83	1.23	0.00	0.00	0.02	0.00	13.85	1.20	0.00	0.00	0.02	0.00
13.87	1.14	0.00	0.00	0.02	0.00	13.89	1.08	0.00	0.00	0.02	0.00
13.91	1.07	0.00	0.00	0.02	0.00	13.93	1.06	0.00	0.00	0.02	0.00
13.95	1.23	0.00	0.00	0.02	0.00	13.97	1.07	0.00	0.00	0.02	0.00
13.98	1.01	0.00	0.00	0.02	0.00	14.00	0.98	0.00	0.00	0.02	0.00
14.02	0.97	0.00	0.00	0.02	0.00	14.04	0.95	0.00	0.00	0.02	0.00
14.06	0.93	0.00	0.00	0.02	0.00	14.08	0.90	0.00	0.00	0.02	0.01
14.10	0.90	0.00	0.00	0.02	0.01	14.12	0.90	0.00	0.00	0.02	0.01
14.14	0.90	0.00	0.00	0.02	0.01	14.16	0.92	0.00	0.00	0.02	0.00
14.18	1.01	0.00	0.00	0.02	0.00	14.20	1.03	0.00	0.00	0.02	0.00
14.22	0.98	0.00	0.00	0.02	0.00	14.24	0.98	0.00	0.00	0.02	0.00
14.26	1.10	0.00	0.00	0.02	0.00	14.28	1.06	0.00	0.00	0.02	0.00
14.30	1.07	0.00	0.00	0.02	0.00	14.32	1.07	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.34	1.07	0.00	0.00	0.02	0.00	14.36	1.07	0.00	0.00	0.02	0.00
14.38	1.20	0.00	0.00	0.02	0.00	14.40	1.50	0.00	0.00	0.02	0.00
14.42	1.64	0.00	0.00	0.02	0.00	14.44	1.55	0.00	0.00	0.02	0.00
14.46	1.45	0.00	0.00	0.02	0.00	14.48	1.32	0.00	0.00	0.02	0.00
14.50	1.37	0.00	0.00	0.02	0.00	14.52	1.23	0.00	0.00	0.02	0.00
14.54	1.15	0.00	0.00	0.02	0.00	14.56	1.07	0.00	0.00	0.02	0.00
14.58	1.01	0.00	0.00	0.02	0.00	14.60	1.00	0.00	0.00	0.02	0.00
14.62	1.00	0.00	0.00	0.02	0.00	14.64	1.01	0.00	0.00	0.02	0.00
14.66	1.08	0.00	0.00	0.02	0.00	14.68	1.13	0.00	0.00	0.02	0.00
14.70	1.12	0.00	0.00	0.02	0.00	14.72	1.10	0.00	0.00	0.02	0.00
14.74	1.11	0.00	0.00	0.02	0.00	14.76	1.10	0.00	0.00	0.02	0.00
14.78	1.10	0.00	0.00	0.02	0.00	14.80	1.08	0.00	0.00	0.02	0.00
14.82	1.07	0.00	0.00	0.02	0.00	14.84	1.04	0.00	0.00	0.02	0.00
14.86	1.02	0.00	0.00	0.02	0.00	14.88	1.01	0.00	0.00	0.02	0.00
14.90	1.00	0.00	0.00	0.02	0.00	14.92	1.00	0.00	0.00	0.02	0.00
14.94	1.00	0.00	0.00	0.02	0.00	14.96	1.00	0.00	0.00	0.02	0.00
14.98	1.00	0.00	0.00	0.02	0.00	15.00	1.00	0.00	0.00	0.02	0.00
15.02	1.01	0.00	0.00	0.02	0.00	15.04	1.02	0.00	0.00	0.02	0.00
15.06	1.03	0.00	0.00	0.02	0.00	15.08	1.05	0.00	0.00	0.02	0.00
15.10	1.06	0.00	0.00	0.02	0.00	15.12	1.06	0.00	0.00	0.02	0.00
15.14	1.07	0.00	0.00	0.02	0.00	15.16	1.08	0.00	0.00	0.02	0.00
15.18	1.09	0.00	0.00	0.02	0.00	15.20	1.08	0.00	0.00	0.02	0.00
15.22	1.08	0.00	0.00	0.02	0.00	15.24	1.07	0.00	0.00	0.02	0.00
15.26	1.06	0.00	0.00	0.02	0.00	15.28	1.06	0.00	0.00	0.02	0.00
15.30	1.06	0.00	0.00	0.02	0.00	15.32	1.06	0.00	0.00	0.02	0.00
15.34	1.06	0.00	0.00	0.02	0.00	15.36	1.06	0.00	0.00	0.02	0.00
15.38	1.06	0.00	0.00	0.02	0.00	15.40	1.05	0.00	0.00	0.02	0.00
15.42	1.06	0.00	0.00	0.02	0.00	15.44	1.05	0.00	0.00	0.02	0.00
15.46	1.05	0.00	0.00	0.02	0.00	15.48	1.04	0.00	0.00	0.02	0.00
15.50	1.04	0.00	0.00	0.02	0.00	15.52	1.04	0.00	0.00	0.02	0.00
15.54	1.04	0.00	0.00	0.02	0.00	15.56	1.04	0.00	0.00	0.02	0.00
15.58	1.04	0.00	0.00	0.02	0.00	15.60	1.04	0.00	0.00	0.02	0.00
15.62	1.05	0.00	0.00	0.02	0.00	15.64	1.05	0.00	0.00	0.02	0.00
15.66	1.04	0.00	0.00	0.02	0.00	15.68	1.03	0.00	0.00	0.02	0.00
15.70	1.03	0.00	0.00	0.02	0.00	15.72	1.03	0.00	0.00	0.02	0.00
15.74	1.03	0.00	0.00	0.02	0.00	15.76	1.03	0.00	0.00	0.02	0.00
15.78	1.03	0.00	0.00	0.02	0.00	15.80	1.04	0.00	0.00	0.02	0.00
15.82	1.05	0.00	0.00	0.02	0.00	15.84	1.09	0.00	0.00	0.02	0.00
15.86	1.13	0.00	0.00	0.02	0.00	15.88	1.26	0.00	0.00	0.02	0.00
15.90	1.35	0.00	0.00	0.02	0.00	15.92	1.56	0.00	0.00	0.02	0.00
15.94	1.85	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	1.86	0.00	0.00	0.02	0.00	16.00	1.74	0.00	0.00	0.02	0.00
16.02	1.66	0.00	0.00	0.02	0.00	16.04	1.57	0.00	0.00	0.02	0.00
16.06	1.42	0.00	0.00	0.02	0.00	16.08	1.31	0.00	0.00	0.02	0.00
16.10	1.26	0.00	0.00	0.02	0.00	16.12	1.22	0.00	0.00	0.02	0.00
16.14	1.17	0.00	0.00	0.02	0.00	16.16	1.15	0.00	0.00	0.02	0.00
16.18	1.14	0.00	0.00	0.02	0.00	16.20	1.14	0.00	0.00	0.02	0.00
16.22	1.14	0.00	0.00	0.02	0.00	16.24	1.14	0.00	0.00	0.02	0.00
16.26	1.21	0.00	0.00	0.02	0.00	16.28	1.26	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.30	1.25	0.00	0.00	0.02	0.00	16.32	1.21	0.00	0.00	0.02	0.00
16.34	1.21	0.00	0.00	0.02	0.00	16.36	1.21	0.00	0.00	0.02	0.00
16.38	1.21	0.00	0.00	0.02	0.00	16.40	1.21	0.00	0.00	0.02	0.00
16.42	1.26	0.00	0.00	0.02	0.00	16.44	1.28	0.00	0.00	0.02	0.00
16.46	1.33	0.00	0.00	0.02	0.00	16.48	1.40	0.00	0.00	0.02	0.00
16.50	1.55	0.00	0.00	0.02	0.00	16.52	1.76	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.55	2.00	0.00	0.00	0.02	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.59	2.00	0.00	0.00	0.02	0.00
16.61	1.98	0.00	0.00	0.02	0.00	16.63	1.70	0.00	0.00	0.02	0.00
16.65	1.49	0.00	0.00	0.02	0.00	16.67	1.48	0.00	0.00	0.02	0.00
16.69	1.48	0.00	0.00	0.02	0.00	16.71	1.48	0.00	0.00	0.02	0.00
16.73	1.48	0.00	0.00	0.02	0.00	16.75	1.70	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.79	2.00	0.00	0.00	0.02	0.00
16.81	2.00	0.00	0.00	0.02	0.00	16.83	2.00	0.00	0.00	0.02	0.00
16.85	2.00	0.00	0.00	0.02	0.00	16.87	2.00	0.00	0.00	0.02	0.00
16.89	2.00	0.00	0.00	0.02	0.00	16.91	2.00	0.00	0.00	0.02	0.00
16.93	2.00	0.00	0.00	0.02	0.00	16.95	2.00	0.00	0.00	0.02	0.00
16.97	1.97	0.00	0.00	0.02	0.00	16.99	1.68	0.00	0.00	0.02	0.00
17.01	1.53	0.00	0.00	0.02	0.00	17.03	1.43	0.00	0.00	0.02	0.00
17.05	1.34	0.00	0.00	0.02	0.00	17.07	1.30	0.00	0.00	0.02	0.00
17.09	1.29	0.00	0.00	0.02	0.00	17.11	1.29	0.00	0.00	0.02	0.00
17.13	1.29	0.00	0.00	0.02	0.00	17.15	1.29	0.00	0.00	0.02	0.00
17.17	1.29	0.00	0.00	0.02	0.00	17.19	1.30	0.00	0.00	0.02	0.00
17.21	1.30	0.00	0.00	0.02	0.00	17.23	1.29	0.00	0.00	0.02	0.00
17.25	1.27	0.00	0.00	0.02	0.00	17.27	1.25	0.00	0.00	0.02	0.00
17.29	1.20	0.00	0.00	0.02	0.00	17.31	1.15	0.00	0.00	0.02	0.00
17.33	1.12	0.00	0.00	0.02	0.00	17.35	1.11	0.00	0.00	0.02	0.00
17.37	1.12	0.00	0.00	0.02	0.00	17.39	1.12	0.00	0.00	0.02	0.00
17.41	1.13	0.00	0.00	0.02	0.00	17.43	1.13	0.00	0.00	0.02	0.00
17.45	1.13	0.00	0.00	0.02	0.00	17.47	1.13	0.00	0.00	0.02	0.00
17.49	1.13	0.00	0.00	0.02	0.00	17.51	1.14	0.00	0.00	0.02	0.00
17.53	1.14	0.00	0.00	0.02	0.00	17.55	1.14	0.00	0.00	0.02	0.00
17.57	1.13	0.00	0.00	0.02	0.00	17.59	1.11	0.00	0.00	0.02	0.00
17.61	1.11	0.00	0.00	0.02	0.00	17.63	1.11	0.00	0.00	0.02	0.00
17.65	1.11	0.00	0.00	0.02	0.00	17.67	1.11	0.00	0.00	0.02	0.00
17.69	1.11	0.00	0.00	0.02	0.00	17.71	1.11	0.00	0.00	0.02	0.00
17.73	1.11	0.00	0.00	0.02	0.00	17.75	1.11	0.00	0.00	0.02	0.00
17.77	1.11	0.00	0.00	0.02	0.00	17.79	1.10	0.00	0.00	0.02	0.00
17.81	1.09	0.00	0.00	0.02	0.00	17.83	1.09	0.00	0.00	0.02	0.00
17.85	1.09	0.00	0.00	0.02	0.00	17.87	1.09	0.00	0.00	0.02	0.00
17.89	1.08	0.00	0.00	0.02	0.00	17.91	1.08	0.00	0.00	0.02	0.00
17.93	1.07	0.00	0.00	0.02	0.00	17.95	1.06	0.00	0.00	0.02	0.00
17.97	1.06	0.00	0.00	0.02	0.00	17.99	1.06	0.00	0.00	0.02	0.00
18.01	1.07	0.00	0.00	0.02	0.00	18.03	1.07	0.00	0.00	0.02	0.00
18.05	1.10	0.00	0.00	0.02	0.00	18.07	1.13	0.00	0.00	0.02	0.00
18.09	1.12	0.00	0.00	0.02	0.00	18.11	1.08	0.00	0.00	0.02	0.00
18.13	1.03	0.00	0.00	0.02	0.00	18.15	0.98	0.00	0.00	0.02	0.00
18.17	0.96	0.00	0.00	0.02	0.00	18.19	0.96	0.00	0.00	0.02	0.00
18.21	0.97	0.00	0.00	0.02	0.00	18.23	0.98	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.25	1.00	0.00	0.00	0.02	0.00	18.27	1.01	0.00	0.00	0.02	0.00
18.29	1.01	0.00	0.00	0.02	0.00	18.31	1.00	0.00	0.00	0.02	0.00
18.33	0.99	0.00	0.00	0.02	0.00	18.35	1.00	0.00	0.00	0.02	0.00
18.37	0.98	0.00	0.00	0.02	0.00	18.38	0.97	0.00	0.00	0.02	0.00
18.40	0.96	0.00	0.00	0.02	0.00	18.42	0.97	0.00	0.00	0.02	0.00
18.44	0.97	0.00	0.00	0.02	0.00	18.46	0.97	0.00	0.00	0.02	0.00
18.48	0.96	0.00	0.00	0.02	0.00	18.50	0.96	0.00	0.00	0.02	0.00
18.52	0.96	0.00	0.00	0.02	0.00	18.54	0.96	0.00	0.00	0.02	0.00
18.56	0.96	0.00	0.00	0.02	0.00	18.58	0.96	0.00	0.00	0.02	0.00
18.60	0.96	0.00	0.00	0.02	0.00	18.62	0.96	0.00	0.00	0.02	0.00
18.64	0.96	0.00	0.00	0.02	0.00	18.66	0.96	0.00	0.00	0.02	0.00
18.68	0.96	0.00	0.00	0.02	0.00	18.70	0.96	0.00	0.00	0.02	0.00
18.72	0.96	0.00	0.00	0.02	0.00	18.74	0.97	0.00	0.00	0.02	0.00
18.76	1.20	0.00	0.00	0.02	0.00	18.78	1.00	0.00	0.00	0.02	0.00
18.80	1.01	0.00	0.00	0.02	0.00	18.82	1.00	0.00	0.00	0.02	0.00
18.84	0.99	0.00	0.00	0.02	0.00	18.86	0.98	0.00	0.00	0.02	0.00
18.88	0.97	0.00	0.00	0.02	0.00	18.90	0.97	0.00	0.00	0.02	0.00
18.92	0.98	0.00	0.00	0.02	0.00	18.94	0.98	0.00	0.00	0.02	0.00
18.96	0.98	0.00	0.00	0.02	0.00	18.98	0.99	0.00	0.00	0.02	0.00
19.00	1.00	0.00	0.00	0.02	0.00	19.02	1.02	0.00	0.00	0.02	0.00
19.04	1.02	0.00	0.00	0.02	0.00	19.06	1.03	0.00	0.00	0.02	0.00
19.08	1.03	0.00	0.00	0.02	0.00	19.10	1.04	0.00	0.00	0.02	0.00
19.12	1.06	0.00	0.00	0.02	0.00	19.14	1.07	0.00	0.00	0.02	0.00
19.16	1.10	0.00	0.00	0.02	0.00	19.18	1.12	0.00	0.00	0.02	0.00
19.20	1.10	0.00	0.00	0.02	0.00	19.22	1.09	0.00	0.00	0.02	0.00
19.24	1.11	0.00	0.00	0.02	0.00	19.26	1.20	0.00	0.00	0.02	0.00
19.28	1.26	0.00	0.00	0.02	0.00	19.30	1.24	0.00	0.00	0.02	0.00
19.32	1.20	0.00	0.00	0.02	0.00	19.34	1.18	0.00	0.00	0.02	0.00
19.36	1.17	0.00	0.00	0.02	0.00	19.38	1.17	0.00	0.00	0.02	0.00
19.40	1.17	0.00	0.00	0.02	0.00	19.42	1.18	0.00	0.00	0.02	0.00
19.44	1.23	0.00	0.00	0.02	0.00	19.46	1.27	0.00	0.00	0.02	0.00
19.48	1.27	0.00	0.00	0.02	0.00	19.50	1.22	0.00	0.00	0.02	0.00
19.52	1.21	0.00	0.00	0.02	0.00	19.54	1.21	0.00	0.00	0.02	0.00
19.56	1.21	0.00	0.00	0.02	0.00	19.58	1.21	0.00	0.00	0.02	0.00
19.60	1.21	0.00	0.00	0.02	0.00	19.62	1.22	0.00	0.00	0.02	0.00
19.64	1.25	0.00	0.00	0.02	0.00	19.66	1.28	0.00	0.00	0.02	0.00
19.68	1.29	0.00	0.00	0.02	0.00	19.70	1.29	0.00	0.00	0.02	0.00
19.72	1.26	0.00	0.00	0.02	0.00	19.74	1.19	0.00	0.00	0.02	0.00

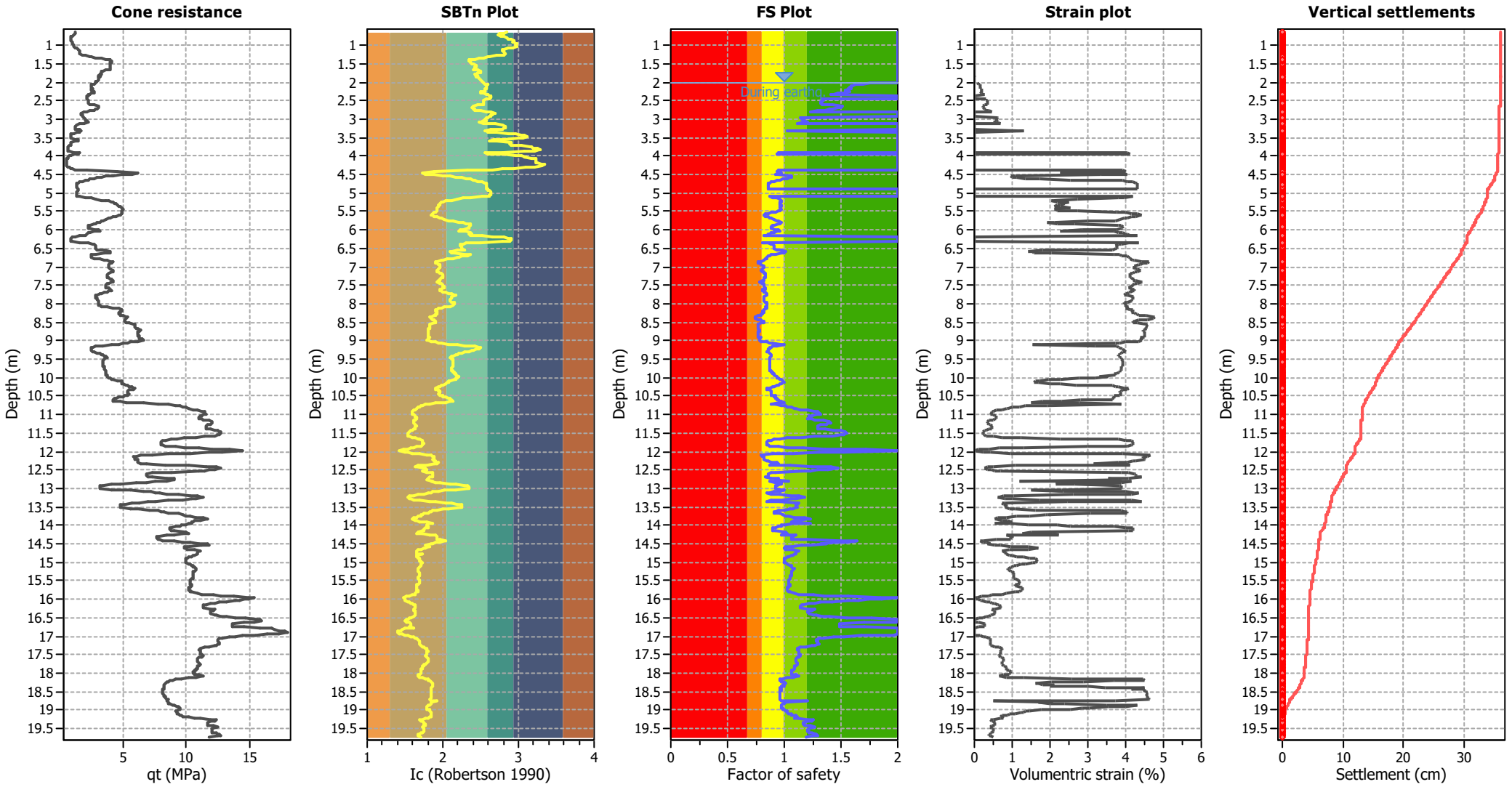
Overall liquefaction potential: 5.26

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.64	2.85	19.21	6.45	123.96	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.80	19.35	5.86	113.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.76	18.93	5.34	101.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.74	18.13	5.11	92.64	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.73	17.28	5.01	86.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.78	15.89	5.58	88.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.82	14.91	6.05	90.19	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.84	14.46	6.41	92.76	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.80	2.85	14.43	6.56	94.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.87	14.41	6.81	98.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.90	14.47	7.27	105.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.94	14.53	7.73	112.40	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	2.94	14.92	7.73	115.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	2.93	15.44	7.69	118.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	2.95	15.75	7.95	125.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	2.97	16.11	8.26	133.15	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	2.97	16.67	8.33	138.93	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.95	17.26	8.04	138.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.96	17.30	8.20	141.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.98	17.29	8.51	147.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.99	17.29	8.53	147.58	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.92	19.48	7.56	147.22	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.87	21.65	6.78	146.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.81	23.39	6.03	141.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.79	24.61	5.75	141.59	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.79	25.23	5.67	143.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.80	24.75	5.85	144.89	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.81	24.89	5.95	148.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.81	25.03	5.98	149.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.82	25.50	6.10	155.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.83	26.48	6.23	165.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.80	28.47	5.88	167.36	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.71	33.26	4.86	161.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.62	38.60	3.97	153.33	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	2.60	40.56	3.74	151.61	41	58427	0.09	0.004	0.00	3.58	0.00	0.000
1.34	2.54	46.53	3.26	151.74	40	62192	0.09	0.003	0.00	3.58	0.00	0.000
1.36	2.48	53.65	2.83	151.75	39	66321	0.08	0.003	0.00	3.58	0.00	0.000
1.38	2.42	60.10	2.46	148.03	37	68776	0.08	0.003	0.00	3.58	0.00	0.000
1.40	2.35	66.21	2.15	142.13	34	69955	0.08	0.003	0.00	3.58	0.00	0.000
1.42	2.35	66.95	2.15	143.75	35	70743	0.08	0.003	0.00	3.58	0.00	0.000
1.44	2.36	67.57	2.19	147.97	36	72242	0.08	0.003	0.00	3.58	0.00	0.000
1.46	2.37	67.75	2.22	150.24	36	72974	0.08	0.003	0.00	3.58	0.00	0.000
1.48	2.37	66.96	2.24	150.19	37	72609	0.08	0.003	0.00	3.58	0.00	0.000
1.50	2.38	66.59	2.27	150.89	37	72639	0.08	0.003	0.00	3.58	0.00	0.000
1.52	2.40	66.21	2.39	158.01	39	74421	0.08	0.003	0.00	3.58	0.00	0.000
1.54	2.43	66.19	2.56	169.21	42	77352	0.08	0.003	0.00	3.58	0.00	0.000
1.56	2.45	66.05	2.64	174.53	44	78625	0.08	0.003	0.00	3.58	0.00	0.000
1.58	2.44	65.84	2.58	169.99	43	77369	0.08	0.003	0.00	3.58	0.00	0.000
1.60	2.42	65.81	2.51	164.96	41	76059	0.08	0.003	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.62	2.42	65.78	2.49	163.58	41	75685	0.08	0.003	0.00	3.58	0.00	0.000
1.64	2.42	66.22	2.46	162.70	40	75675	0.08	0.003	0.00	3.58	0.00	0.000
1.66	2.41	65.64	2.44	160.02	40	74677	0.08	0.003	0.00	3.58	0.00	0.000
1.68	2.45	60.59	2.67	161.94	41	72586	0.08	0.004	0.00	3.58	0.00	0.000
1.70	2.49	56.03	2.93	164.44	42	70680	0.08	0.004	0.00	3.58	0.00	0.000
1.72	2.51	54.29	3.04	164.92	43	69800	0.08	0.004	0.00	3.58	0.00	0.000
1.74	2.50	53.87	2.97	159.96	41	68397	0.08	0.004	0.00	3.58	0.00	0.000
1.76	2.46	53.66	2.74	147.14	37	65207	0.08	0.004	0.00	3.58	0.00	0.000
1.78	2.44	53.46	2.60	139.20	35	63118	0.08	0.005	0.00	3.58	0.00	0.000
1.80	2.42	54.13	2.50	135.25	34	62449	0.08	0.005	0.00	3.58	0.00	0.000
1.87	2.45	51.93	2.63	136.62	34	61670	0.08	0.005	0.00	3.58	0.00	0.000
1.87	2.46	50.42	2.74	138.17	35	61247	0.08	0.005	0.00	3.58	0.00	0.000
1.82	2.47	50.11	2.77	138.61	35	61185	0.08	0.005	0.00	3.58	0.00	0.000
1.88	2.47	50.10	2.77	138.70	35	61206	0.08	0.005	0.00	3.58	0.00	0.000
1.90	2.47	50.11	2.81	140.58	36	61666	0.08	0.005	0.00	3.58	0.00	0.000
1.92	2.49	50.15	2.93	146.92	38	63203	0.08	0.005	0.00	3.58	0.00	0.000
1.94	2.50	50.15	2.97	149.17	38	63732	0.08	0.005	0.00	3.58	0.00	0.000
1.96	2.51	48.88	3.05	149.20	39	63006	0.08	0.005	0.00	3.58	0.00	0.000
1.98	2.52	47.34	3.15	149.25	39	62110	0.08	0.005	0.00	3.58	0.00	0.000
2.00	2.53	46.62	3.20	149.38	39	61714	0.08	0.005	0.00	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	108.22	1.75	0.09	1.00	0.00	2.04	106.32	1.70	0.11	1.00	0.00
2.06	103.39	1.62	0.14	1.00	0.00	2.08	102.90	1.61	0.15	1.00	0.00
2.10	102.74	1.60	0.15	1.00	0.00	2.12	102.64	1.59	0.16	1.00	0.00
2.14	102.55	1.58	0.16	1.00	0.00	2.16	103.31	1.58	0.16	1.00	0.00
2.18	102.40	1.56	0.17	1.00	0.00	2.20	102.29	1.55	0.18	1.00	0.00
2.22	102.25	1.54	0.18	1.00	0.00	2.24	102.20	1.54	0.19	1.00	0.00
2.26	104.30	1.57	0.17	1.00	0.00	2.28	103.17	1.54	0.19	1.00	0.00
2.30	100.31	1.48	0.22	1.00	0.00	2.32	98.03	1.43	0.25	1.00	0.00
2.34	96.74	1.41	0.27	1.00	0.01	2.36	34.99	2.00	0.00	1.00	0.00
2.38	33.62	2.00	0.00	1.00	0.00	2.40	33.53	2.00	0.00	1.00	0.00
2.42	33.45	2.00	0.00	1.00	0.00	2.44	33.71	2.00	0.00	1.00	0.00
2.46	94.37	1.34	0.32	1.00	0.01	2.48	95.28	1.35	0.32	1.00	0.01
2.50	94.97	1.34	0.33	1.00	0.01	2.52	94.70	1.33	0.34	1.00	0.01
2.54	94.58	1.32	0.34	1.00	0.01	2.56	94.74	1.32	0.35	1.00	0.01
2.58	94.92	1.32	0.35	1.00	0.01	2.60	96.13	1.33	0.34	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.62	102.02	1.43	0.27	1.00	0.01	2.64	106.35	1.51	0.22	1.00	0.00
2.66	106.81	1.51	0.22	1.00	0.00	2.68	106.42	1.50	0.23	1.00	0.00
2.70	105.39	1.47	0.24	1.00	0.00	2.72	103.23	1.43	0.27	1.00	0.01
2.74	101.78	1.40	0.30	1.00	0.01	2.76	99.95	1.36	0.33	1.00	0.01
2.78	95.78	1.29	0.39	1.00	0.01	2.80	91.72	1.23	0.46	1.00	0.01
2.82	29.00	2.00	0.00	1.00	0.00	2.84	26.45	2.00	0.00	1.00	0.00
2.86	26.38	2.00	0.00	1.00	0.00	2.88	26.41	2.00	0.00	1.00	0.00
2.90	26.44	2.00	0.00	1.00	0.00	2.92	26.52	2.00	0.00	1.00	0.00
2.94	27.57	2.00	0.00	1.00	0.00	2.96	86.99	1.14	0.63	1.00	0.01
2.98	87.82	1.15	0.61	1.00	0.01	3.00	88.85	1.16	0.60	1.00	0.01
3.02	89.05	1.16	0.60	1.00	0.01	3.04	89.61	1.16	0.59	1.00	0.01
3.06	91.43	1.18	0.55	1.00	0.01	3.08	92.90	1.20	0.53	1.00	0.01
3.10	91.22	1.17	0.57	1.00	0.01	3.12	87.17	1.12	0.70	1.00	0.01
3.14	23.12	2.00	0.00	1.00	0.00	3.16	19.42	2.00	0.00	1.00	0.00
3.18	18.52	2.00	0.00	1.00	0.00	3.20	18.47	2.00	0.00	1.00	0.00
3.22	18.50	2.00	0.00	1.00	0.00	3.24	18.53	2.00	0.00	1.00	0.00
3.26	18.86	2.00	0.00	1.00	0.00	3.28	22.38	2.00	0.00	1.00	0.00
3.30	81.65	1.04	1.17	1.00	0.02	3.32	80.79	1.03	1.30	1.00	0.03
3.34	22.94	2.00	0.00	1.00	0.00	3.36	19.62	2.00	0.00	1.00	0.00
3.38	15.66	2.00	0.00	1.00	0.00	3.40	13.58	2.00	0.00	1.00	0.00
3.42	12.69	2.00	0.00	1.00	0.00	3.44	12.24	2.00	0.00	1.00	0.00
3.46	12.01	2.00	0.00	1.00	0.00	3.48	11.90	2.00	0.00	1.00	0.00
3.50	12.29	2.00	0.00	1.00	0.00	3.52	12.67	2.00	0.00	1.00	0.00
3.54	16.85	2.00	0.00	1.00	0.00	3.56	20.74	2.00	0.00	1.00	0.00
3.59	21.27	2.00	0.00	1.00	0.00	3.60	17.79	2.00	0.00	1.00	0.00
3.62	13.23	2.00	0.00	1.00	0.00	3.64	12.99	2.00	0.00	1.00	0.00
3.66	12.75	2.00	0.00	1.00	0.00	3.68	12.81	2.00	0.00	1.00	0.00
3.70	12.48	2.00	0.00	1.00	0.00	3.72	10.34	2.00	0.00	1.00	0.00
3.74	8.60	2.00	0.00	1.00	0.00	3.76	8.51	2.00	0.00	1.00	0.00
3.78	8.48	2.00	0.00	1.00	0.00	3.80	8.52	2.00	0.00	1.00	0.00
3.82	8.55	2.00	0.00	1.00	0.00	3.84	8.64	2.00	0.00	1.00	0.00
3.86	9.07	2.00	0.00	1.00	0.00	3.88	10.37	2.00	0.00	1.00	0.00
3.90	15.59	2.00	0.00	1.00	0.00	3.92	79.16	0.95	4.05	1.00	0.08
3.94	77.94	0.94	4.11	1.00	0.08	3.96	15.21	2.00	0.00	1.00	0.00
3.98	12.02	2.00	0.00	1.00	0.00	4.00	10.59	2.00	0.00	1.00	0.00
4.02	9.64	2.00	0.00	1.00	0.00	4.04	9.48	2.00	0.00	1.00	0.00
4.06	8.12	2.00	0.00	1.00	0.00	4.08	7.37	2.00	0.00	1.00	0.00
4.10	7.24	2.00	0.00	1.00	0.00	4.12	7.22	2.00	0.00	1.00	0.00
4.14	7.20	2.00	0.00	1.00	0.00	4.16	7.12	2.00	0.00	1.00	0.00
4.18	7.10	2.00	0.00	1.00	0.00	4.20	7.09	2.00	0.00	1.00	0.00
4.22	7.08	2.00	0.00	1.00	0.00	4.24	7.07	2.00	0.00	1.00	0.00
4.26	7.06	2.00	0.00	1.00	0.00	4.28	7.07	2.00	0.00	1.00	0.00
4.30	7.86	2.00	0.00	1.00	0.00	4.32	9.43	2.00	0.00	1.00	0.00
4.34	11.12	2.00	0.00	1.00	0.00	4.36	13.86	2.00	0.00	1.00	0.00
4.38	16.47	2.00	0.00	1.00	0.00	4.40	81.85	0.95	3.92	1.00	0.08
4.42	80.56	0.93	3.98	1.00	0.08	4.44	84.85	0.97	2.26	1.00	0.05
4.46	84.22	0.97	2.57	1.00	0.05	4.48	79.23	0.92	4.05	1.00	0.08
4.50	83.18	0.95	3.36	1.00	0.07	4.52	92.52	1.05	1.06	1.00	0.02
4.54	93.91	1.07	0.98	1.00	0.02	4.56	93.64	1.06	1.00	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.58	92.35	1.05	1.10	1.00	0.02	4.60	89.96	1.02	1.34	1.00	0.03
4.62	87.64	0.99	1.72	1.00	0.03	4.64	85.09	0.97	2.53	1.00	0.05
4.66	82.19	0.94	3.91	1.00	0.08	4.68	79.16	0.91	4.05	1.00	0.08
4.70	76.70	0.89	4.17	1.00	0.08	4.72	74.97	0.87	4.27	1.00	0.09
4.74	74.19	0.86	4.31	1.00	0.09	4.76	74.12	0.86	4.31	1.00	0.09
4.78	74.06	0.86	4.31	1.00	0.09	4.80	74.12	0.86	4.31	1.00	0.09
4.82	74.10	0.86	4.31	1.00	0.09	4.84	74.08	0.86	4.31	1.00	0.09
4.86	74.20	0.86	4.31	1.00	0.09	4.88	74.47	0.86	4.29	1.00	0.09
4.90	18.96	2.00	0.00	1.00	0.00	4.92	19.08	2.00	0.00	1.00	0.00
4.94	19.02	2.00	0.00	1.00	0.00	4.96	17.77	2.00	0.00	1.00	0.00
4.98	17.47	2.00	0.00	1.00	0.00	5.00	17.32	2.00	0.00	1.00	0.00
5.02	17.31	2.00	0.00	1.00	0.00	5.04	17.30	2.00	0.00	1.00	0.00
5.06	17.32	2.00	0.00	1.00	0.00	5.08	17.37	2.00	0.00	1.00	0.00
5.10	76.44	0.87	4.19	1.00	0.08	5.12	80.79	0.90	3.97	1.00	0.08
5.14	84.45	0.94	3.80	1.00	0.08	5.16	86.66	0.96	2.71	1.00	0.05
5.19	88.43	0.97	2.06	1.00	0.06	5.20	88.58	0.98	2.03	1.00	0.02
5.22	88.57	0.97	2.05	1.00	0.04	5.24	88.16	0.97	2.19	1.00	0.04
5.26	87.44	0.96	2.49	1.00	0.05	5.28	87.94	0.97	2.31	1.00	0.05
5.30	87.83	0.96	2.37	1.00	0.05	5.32	88.16	0.97	2.27	1.00	0.05
5.34	88.44	0.97	2.19	1.00	0.04	5.36	88.80	0.97	2.10	1.00	0.04
5.38	88.35	0.97	2.26	1.00	0.05	5.40	87.73	0.96	2.52	1.00	0.05
5.42	88.04	0.96	2.41	1.00	0.05	5.44	88.88	0.97	2.13	1.00	0.04
5.46	88.92	0.97	2.14	1.00	0.04	5.48	88.78	0.97	2.20	1.00	0.04
5.50	87.55	0.95	2.72	1.00	0.05	5.52	84.84	0.93	3.79	1.00	0.08
5.54	80.56	0.89	3.98	1.00	0.08	5.56	76.97	0.86	4.16	1.00	0.08
5.58	74.01	0.83	4.32	1.00	0.09	5.60	71.89	0.81	4.44	1.00	0.09
5.62	72.48	0.82	4.40	1.00	0.09	5.64	74.59	0.83	4.29	1.00	0.09
5.66	77.25	0.86	4.15	1.00	0.08	5.68	79.56	0.87	4.03	1.00	0.08
5.70	81.02	0.89	3.96	1.00	0.08	5.72	83.77	0.91	3.83	1.00	0.08
5.74	86.18	0.93	3.73	1.00	0.07	5.76	87.68	0.95	2.99	1.00	0.06
5.78	89.78	0.97	2.11	1.00	0.04	5.80	90.51	0.98	1.93	1.00	0.04
5.82	89.65	0.97	2.17	1.00	0.04	5.84	88.42	0.95	2.66	1.00	0.05
5.86	84.28	0.91	3.81	1.00	0.08	5.88	82.55	0.90	3.89	1.00	0.08
5.90	81.83	0.89	3.92	1.00	0.08	5.92	81.86	0.89	3.92	1.00	0.08
5.94	81.99	0.89	3.92	1.00	0.08	5.96	82.64	0.89	3.89	1.00	0.08
5.98	85.03	0.92	3.78	1.00	0.08	6.00	88.36	0.95	2.86	1.00	0.06
6.02	89.78	0.96	2.26	1.00	0.05	6.04	87.16	0.94	3.69	1.00	0.07
6.06	84.03	0.90	3.82	1.00	0.08	6.08	81.93	0.89	3.92	1.00	0.08
6.10	80.02	0.87	4.01	1.00	0.08	6.12	79.71	0.87	4.02	1.00	0.08
6.14	77.65	0.85	4.13	1.00	0.08	6.16	73.86	0.82	4.33	1.00	0.09
6.18	15.00	2.00	0.00	1.00	0.00	6.20	11.78	2.00	0.00	1.00	0.00
6.22	10.60	2.00	0.00	1.00	0.00	6.24	10.03	2.00	0.00	1.00	0.00
6.26	10.00	2.00	0.00	1.00	0.00	6.28	10.05	2.00	0.00	1.00	0.00
6.30	10.09	2.00	0.00	1.00	0.00	6.32	11.90	2.00	0.00	1.00	0.00
6.34	73.74	0.81	4.33	1.00	0.09	6.36	78.97	0.85	4.06	1.00	0.08
6.38	82.39	0.88	3.90	1.00	0.08	6.40	84.04	0.90	3.82	1.00	0.08
6.42	85.76	0.91	3.75	1.00	0.07	6.44	85.11	0.91	3.78	1.00	0.08
6.46	85.11	0.91	3.78	1.00	0.08	6.48	85.12	0.91	3.77	1.00	0.08
6.50	85.30	0.91	3.77	1.00	0.08	6.52	85.95	0.91	3.74	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.54	88.01	0.93	3.65	1.00	0.07	6.56	92.48	0.98	1.79	1.00	0.04
6.58	94.91	1.01	1.41	1.00	0.03	6.60	94.03	1.00	1.53	1.00	0.03
6.62	93.79	0.99	1.57	1.00	0.03	6.64	91.49	0.97	2.04	1.00	0.04
6.66	87.26	0.92	3.68	1.00	0.07	6.68	83.76	0.89	3.83	1.00	0.08
6.70	82.27	0.88	3.90	1.00	0.08	6.72	79.56	0.85	4.03	1.00	0.08
6.74	78.71	0.85	4.07	1.00	0.08	6.76	78.22	0.84	4.10	1.00	0.08
6.78	78.19	0.84	4.10	1.00	0.08	6.80	77.73	0.84	4.12	1.00	0.08
6.82	76.38	0.83	4.19	1.00	0.08	6.84	75.36	0.82	4.24	1.00	0.08
6.86	71.87	0.79	4.44	1.00	0.09	6.88	69.15	0.77	4.60	1.00	0.09
6.90	69.63	0.77	4.57	1.00	0.09	6.92	71.45	0.79	4.46	1.00	0.09
6.94	72.88	0.80	4.38	1.00	0.09	6.96	73.42	0.80	4.35	1.00	0.09
6.98	75.28	0.82	4.25	1.00	0.08	7.00	75.54	0.82	4.23	1.00	0.08
7.02	75.49	0.82	4.24	1.00	0.08	7.04	76.23	0.82	4.20	1.00	0.08
7.06	74.10	0.81	4.31	1.00	0.09	7.08	72.62	0.79	4.40	1.00	0.09
7.10	72.78	0.79	4.39	1.00	0.09	7.12	73.97	0.80	4.32	1.00	0.09
7.14	75.55	0.82	4.23	1.00	0.08	7.16	76.65	0.82	4.18	1.00	0.08
7.18	77.72	0.83	4.12	1.00	0.08	7.20	78.10	0.83	4.10	1.00	0.08
7.22	77.77	0.83	4.12	1.00	0.08	7.24	77.79	0.83	4.12	1.00	0.08
7.26	77.77	0.83	4.12	1.00	0.08	7.28	77.76	0.83	4.12	1.00	0.08
7.30	76.89	0.82	4.16	1.00	0.08	7.32	76.11	0.82	4.20	1.00	0.08
7.34	75.95	0.82	4.21	1.00	0.08	7.36	76.51	0.82	4.18	1.00	0.08
7.38	75.09	0.81	4.26	1.00	0.09	7.40	72.13	0.79	4.42	1.00	0.09
7.42	71.97	0.79	4.43	1.00	0.09	7.44	74.25	0.80	4.30	1.00	0.09
7.46	75.80	0.81	4.22	1.00	0.08	7.48	76.43	0.82	4.19	1.00	0.08
7.50	76.56	0.82	4.18	1.00	0.08	7.52	76.85	0.82	4.17	1.00	0.08
7.54	77.44	0.83	4.14	1.00	0.08	7.56	78.32	0.83	4.09	1.00	0.08
7.58	78.03	0.83	4.11	1.00	0.08	7.60	77.81	0.83	4.12	1.00	0.08
7.62	75.78	0.81	4.22	1.00	0.08	7.64	75.29	0.81	4.25	1.00	0.08
7.66	76.16	0.82	4.20	1.00	0.08	7.68	77.50	0.83	4.13	1.00	0.08
7.70	78.65	0.84	4.07	1.00	0.08	7.72	79.27	0.84	4.04	1.00	0.08
7.74	79.81	0.84	4.02	1.00	0.08	7.76	80.62	0.85	3.98	1.00	0.08
7.78	79.75	0.84	4.02	1.00	0.08	7.80	76.63	0.82	4.18	1.00	0.08
7.82	76.42	0.82	4.19	1.00	0.08	7.84	76.44	0.82	4.19	1.00	0.08
7.86	76.42	0.82	4.19	1.00	0.08	7.88	76.48	0.82	4.19	1.00	0.08
7.90	76.91	0.82	4.16	1.00	0.08	7.92	76.86	0.82	4.17	1.00	0.08
7.94	77.43	0.82	4.14	1.00	0.08	7.96	79.20	0.84	4.05	1.00	0.08
7.98	80.68	0.85	3.98	1.00	0.08	8.00	80.68	0.85	3.98	1.00	0.08
8.02	80.25	0.85	4.00	1.00	0.08	8.04	80.14	0.85	4.00	1.00	0.08
8.06	80.21	0.85	4.00	1.00	0.08	8.08	80.21	0.85	4.00	1.00	0.08
8.10	79.00	0.84	4.06	1.00	0.08	8.12	79.82	0.84	4.02	1.00	0.08
8.14	79.91	0.84	4.01	1.00	0.08	8.16	77.86	0.83	4.11	1.00	0.08
8.18	76.46	0.82	4.19	1.00	0.08	8.20	76.11	0.81	4.20	1.00	0.08
8.22	76.43	0.82	4.19	1.00	0.08	8.24	77.04	0.82	4.16	1.00	0.08
8.26	75.67	0.81	4.23	1.00	0.08	8.28	75.03	0.80	4.26	1.00	0.09
8.30	74.05	0.80	4.32	1.00	0.09	8.32	73.16	0.79	4.36	1.00	0.09
8.34	70.13	0.77	4.54	1.00	0.09	8.36	67.09	0.75	4.73	1.00	0.09
8.38	66.25	0.74	4.79	1.00	0.10	8.40	67.34	0.75	4.72	1.00	0.09
8.42	69.37	0.76	4.59	1.00	0.09	8.44	73.63	0.79	4.34	1.00	0.09
8.46	75.74	0.81	4.22	1.00	0.08	8.48	76.69	0.82	4.17	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.50	76.39	0.82	4.19	1.00	0.08	8.52	74.47	0.80	4.29	1.00	0.09
8.54	70.16	0.77	4.54	1.00	0.09	8.56	69.67	0.77	4.57	1.00	0.09
8.58	69.92	0.77	4.55	1.00	0.09	8.60	69.87	0.77	4.56	1.00	0.09
8.62	69.84	0.77	4.56	1.00	0.09	8.64	70.03	0.77	4.55	1.00	0.09
8.66	70.19	0.77	4.54	1.00	0.09	8.68	70.34	0.77	4.53	1.00	0.09
8.70	71.08	0.78	4.48	1.00	0.09	8.72	71.43	0.78	4.46	1.00	0.09
8.74	71.43	0.78	4.46	1.00	0.09	8.76	70.72	0.77	4.51	1.00	0.09
8.78	70.69	0.77	4.51	1.00	0.09	8.80	70.68	0.77	4.51	1.00	0.09
8.82	70.67	0.77	4.51	1.00	0.09	8.84	70.65	0.77	4.51	1.00	0.09
8.86	70.60	0.77	4.51	1.00	0.09	8.88	70.68	0.77	4.51	1.00	0.09
8.90	70.82	0.78	4.50	1.00	0.09	8.92	73.09	0.79	4.37	1.00	0.09
8.94	71.76	0.78	4.44	1.00	0.09	8.96	71.87	0.78	4.44	1.00	0.09
8.98	72.60	0.79	4.40	1.00	0.09	9.00	72.28	0.79	4.41	1.00	0.09
9.02	73.82	0.80	4.33	1.00	0.09	9.04	79.93	0.85	4.01	1.00	0.08
9.06	83.25	0.87	3.86	1.00	0.08	9.08	86.17	0.90	3.73	1.00	0.07
9.10	93.59	0.98	1.78	1.00	0.04	9.12	95.10	1.00	1.52	1.00	0.03
9.14	89.68	0.94	3.18	1.00	0.06	9.16	85.33	0.89	3.77	1.00	0.08
9.18	84.03	0.88	3.82	1.00	0.08	9.20	83.43	0.88	3.85	1.00	0.08
9.22	82.68	0.87	3.88	1.00	0.08	9.24	81.96	0.86	3.92	1.00	0.08
9.26	80.83	0.86	3.97	1.00	0.08	9.28	80.93	0.86	3.96	1.00	0.08
9.30	80.41	0.85	3.99	1.00	0.08	9.32	81.41	0.86	3.94	1.00	0.08
9.34	82.47	0.87	3.89	1.00	0.08	9.36	83.27	0.88	3.86	1.00	0.08
9.38	83.65	0.88	3.84	1.00	0.08	9.40	84.26	0.89	3.81	1.00	0.08
9.42	84.26	0.89	3.81	1.00	0.08	9.44	83.69	0.88	3.84	1.00	0.08
9.46	83.19	0.88	3.86	1.00	0.08	9.48	82.94	0.87	3.87	1.00	0.08
9.50	82.45	0.87	3.89	1.00	0.08	9.52	82.33	0.87	3.90	1.00	0.08
9.54	82.21	0.87	3.90	1.00	0.08	9.55	82.14	0.87	3.91	1.00	0.08
9.57	82.10	0.87	3.91	1.00	0.08	9.59	82.09	0.87	3.91	1.00	0.08
9.61	82.09	0.87	3.91	1.00	0.08	9.63	82.10	0.87	3.91	1.00	0.08
9.65	82.13	0.87	3.91	1.00	0.08	9.67	82.15	0.87	3.91	1.00	0.08
9.69	82.18	0.87	3.91	1.00	0.08	9.71	82.24	0.87	3.90	1.00	0.08
9.73	82.25	0.87	3.90	1.00	0.08	9.75	82.26	0.87	3.90	1.00	0.08
9.77	82.27	0.87	3.90	1.00	0.08	9.79	82.43	0.87	3.89	1.00	0.08
9.81	83.89	0.89	3.83	1.00	0.08	9.83	83.61	0.88	3.84	1.00	0.08
9.85	84.48	0.89	3.80	1.00	0.08	9.87	85.31	0.90	3.77	1.00	0.08
9.89	86.71	0.91	3.71	1.00	0.07	9.91	86.12	0.91	3.73	1.00	0.07
9.93	87.06	0.92	3.69	1.00	0.07	9.95	89.06	0.94	3.31	1.00	0.07
9.97	88.76	0.93	3.52	1.00	0.07	9.99	89.17	0.94	3.20	1.00	0.06
10.01	89.86	0.95	2.78	1.00	0.06	10.03	91.09	0.96	2.27	1.00	0.05
10.05	92.09	0.97	1.98	1.00	0.04	10.07	93.18	0.98	1.74	1.00	0.03
10.09	93.81	0.99	1.62	1.00	0.03	10.11	94.19	0.99	1.56	1.00	0.03
10.13	93.43	0.99	1.68	1.00	0.03	10.15	91.88	0.97	2.00	1.00	0.04
10.17	90.90	0.96	2.29	1.00	0.05	10.19	89.89	0.95	2.68	1.00	0.05
10.21	88.06	0.93	3.65	1.00	0.07	10.23	86.51	0.91	3.72	1.00	0.07
10.25	84.80	0.90	3.79	1.00	0.08	10.27	81.19	0.87	3.95	1.00	0.08
10.29	78.63	0.85	4.08	1.00	0.08	10.31	79.01	0.85	4.06	1.00	0.08
10.33	82.13	0.88	3.91	1.00	0.08	10.35	82.89	0.88	3.87	1.00	0.08
10.37	83.25	0.89	3.86	1.00	0.08	10.39	83.34	0.89	3.85	1.00	0.08
10.41	83.20	0.89	3.86	1.00	0.08	10.43	83.05	0.89	3.87	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.45	82.76	0.88	3.88	1.00	0.08	10.47	83.49	0.89	3.85	1.00	0.08
10.49	87.44	0.93	3.68	1.00	0.07	10.51	86.30	0.92	3.72	1.00	0.07
10.53	87.10	0.92	3.69	1.00	0.07	10.55	87.58	0.93	3.67	1.00	0.07
10.57	87.61	0.93	3.67	1.00	0.07	10.59	87.71	0.93	3.67	1.00	0.07
10.61	89.23	0.95	2.80	1.00	0.06	10.63	90.39	0.96	2.30	1.00	0.05
10.65	92.21	0.98	1.81	1.00	0.04	10.67	93.85	1.00	1.52	1.00	0.03
10.69	89.22	0.95	2.76	1.00	0.06	10.71	82.25	0.88	3.90	1.00	0.08
10.73	86.01	0.92	3.74	1.00	0.07	10.75	91.48	0.97	1.94	1.00	0.04
10.77	95.03	1.01	1.35	1.00	0.03	10.79	96.39	1.03	1.21	1.00	0.02
10.81	98.87	1.06	1.01	1.00	0.02	10.83	100.74	1.09	0.90	1.00	0.02
10.85	101.72	1.10	0.85	1.00	0.02	10.87	104.67	1.15	0.72	1.00	0.01
10.89	108.36	1.21	0.59	1.00	0.01	10.91	111.50	1.26	0.50	1.00	0.01
10.93	113.16	1.30	0.46	1.00	0.01	10.95	113.35	1.30	0.45	1.00	0.01
10.97	113.52	1.30	0.45	1.00	0.01	10.99	114.03	1.31	0.43	1.00	0.01
11.01	112.08	1.28	0.48	1.00	0.01	11.03	110.12	1.24	0.53	1.00	0.01
11.05	109.09	1.22	0.56	1.00	0.01	11.07	108.53	1.21	0.58	1.00	0.01
11.09	108.38	1.21	0.58	1.00	0.01	11.11	108.29	1.21	0.58	1.00	0.01
11.13	109.98	1.24	0.53	1.00	0.01	11.15	111.66	1.27	0.49	1.00	0.01
11.17	115.36	1.35	0.40	1.00	0.01	11.19	117.44	1.39	0.35	1.00	0.01
11.21	118.11	1.41	0.33	1.00	0.01	11.23	117.27	1.39	0.35	1.00	0.01
11.25	116.42	1.37	0.37	1.00	0.01	11.27	113.85	1.32	0.43	1.00	0.01
11.29	112.93	1.30	0.45	1.00	0.01	11.31	112.78	1.30	0.45	1.00	0.01
11.33	112.67	1.30	0.45	1.00	0.01	11.35	112.73	1.30	0.45	1.00	0.01
11.37	112.78	1.30	0.45	1.00	0.01	11.39	115.68	1.36	0.38	1.00	0.01
11.41	118.73	1.43	0.31	1.00	0.01	11.43	121.26	1.49	0.26	1.00	0.01
11.45	122.90	1.54	0.23	1.00	0.00	11.47	122.87	1.54	0.23	1.00	0.00
11.49	123.40	1.55	0.22	1.00	0.00	11.51	122.86	1.54	0.23	1.00	0.00
11.53	122.16	1.52	0.24	1.00	0.00	11.55	121.20	1.50	0.26	1.00	0.01
11.57	118.06	1.42	0.32	1.00	0.01	11.59	110.66	1.27	0.49	1.00	0.01
11.61	103.58	1.15	0.71	1.00	0.01	11.63	94.72	1.03	1.23	1.00	0.02
11.65	88.91	0.96	2.28	1.00	0.05	11.67	83.95	0.92	3.83	1.00	0.08
11.69	79.82	0.88	4.02	1.00	0.08	11.71	77.07	0.86	4.15	1.00	0.08
11.73	76.58	0.85	4.18	1.00	0.08	11.75	76.46	0.85	4.19	1.00	0.08
11.77	76.42	0.85	4.19	1.00	0.08	11.79	76.37	0.85	4.19	1.00	0.08
11.81	76.36	0.85	4.19	1.00	0.08	11.83	76.79	0.86	4.17	1.00	0.08
11.85	79.15	0.88	4.05	1.00	0.08	11.87	87.09	0.95	2.99	1.00	0.06
11.89	93.56	1.02	1.31	1.00	0.03	11.91	104.37	1.17	0.67	1.00	0.01
11.93	114.87	1.36	0.38	1.00	0.01	11.95	128.13	1.71	0.13	1.00	0.00
11.97	138.08	2.00	0.00	1.00	0.00	11.99	136.90	2.00	0.00	1.00	0.00
12.01	121.91	1.53	0.24	1.00	0.00	12.03	112.44	1.31	0.43	1.00	0.01
12.05	97.53	1.07	0.96	1.00	0.02	12.07	81.49	0.90	3.94	1.00	0.08
12.09	68.94	0.80	4.61	1.00	0.09	12.11	68.60	0.80	4.63	1.00	0.09
12.13	69.62	0.80	4.57	1.00	0.09	12.15	71.49	0.82	4.46	1.00	0.09
12.17	71.23	0.82	4.48	1.00	0.09	12.19	70.97	0.82	4.49	1.00	0.09
12.21	70.89	0.82	4.50	1.00	0.09	12.23	70.70	0.81	4.51	1.00	0.09
12.25	74.61	0.84	4.28	1.00	0.09	12.27	76.31	0.86	4.19	1.00	0.08
12.29	79.47	0.89	4.03	1.00	0.08	12.31	84.46	0.93	3.80	1.00	0.08
12.33	86.14	0.95	3.17	1.00	0.06	12.35	81.13	0.90	3.96	1.00	0.08
12.37	78.10	0.88	4.10	1.00	0.08	12.39	95.26	1.05	1.08	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.41	108.47	1.25	0.52	1.00	0.01	12.43	116.71	1.41	0.33	1.00	0.01
12.45	119.27	1.48	0.28	1.00	0.01	12.47	118.73	1.46	0.29	1.00	0.01
12.49	115.14	1.38	0.36	1.00	0.01	12.51	110.84	1.29	0.45	1.00	0.01
12.53	107.10	1.23	0.55	1.00	0.01	12.55	102.06	1.15	0.71	1.00	0.01
12.57	82.96	0.92	3.87	1.00	0.08	12.59	78.57	0.88	4.08	1.00	0.08
12.61	75.66	0.86	4.23	1.00	0.08	12.63	75.18	0.86	4.25	1.00	0.08
12.65	74.72	0.85	4.28	1.00	0.09	12.67	74.54	0.85	4.29	1.00	0.09
12.69	72.39	0.84	4.41	1.00	0.09	12.71	78.65	0.89	4.08	1.00	0.08
12.73	84.96	0.95	3.54	1.00	0.07	12.75	84.09	0.94	3.82	1.00	0.08
12.77	82.81	0.93	3.88	1.00	0.08	12.79	93.03	1.03	1.19	1.00	0.02
12.81	77.22	0.88	4.15	1.00	0.08	12.83	82.57	0.93	3.89	1.00	0.08
12.85	86.99	0.97	2.25	1.00	0.04	12.87	87.29	0.97	2.14	1.00	0.04
12.89	85.98	0.96	2.65	1.00	0.05	12.91	83.45	0.94	3.85	1.00	0.08
12.93	82.53	0.93	3.89	1.00	0.08	12.95	82.29	0.93	3.90	1.00	0.08
12.97	82.28	0.93	3.90	1.00	0.08	12.99	82.31	0.93	3.90	1.00	0.08
13.01	82.39	0.93	3.90	1.00	0.08	13.03	86.51	0.97	2.32	1.00	0.05
13.05	90.02	1.01	1.49	1.00	0.03	13.07	86.37	0.97	2.35	1.00	0.05
13.09	80.00	0.91	4.01	1.00	0.08	13.11	75.76	0.87	4.22	1.00	0.08
13.13	73.23	0.85	4.36	1.00	0.09	13.15	76.78	0.88	4.17	1.00	0.08
13.17	85.56	0.96	2.62	1.00	0.05	13.19	93.91	1.05	1.06	1.00	0.02
13.21	99.46	1.13	0.76	1.00	0.02	13.23	102.76	1.18	0.64	1.00	0.01
13.25	102.83	1.18	0.63	1.00	0.01	13.27	97.88	1.11	0.82	1.00	0.02
13.29	94.30	1.06	1.02	1.00	0.02	13.31	88.05	0.99	1.74	1.00	0.03
13.33	77.02	0.89	4.16	1.00	0.08	13.35	72.28	0.85	4.41	1.00	0.09
13.37	85.58	0.97	2.45	1.00	0.05	13.39	98.15	1.11	0.80	1.00	0.02
13.41	99.41	1.13	0.74	1.00	0.01	13.43	98.52	1.12	0.78	1.00	0.02
13.45	97.32	1.10	0.83	1.00	0.02	13.47	97.19	1.10	0.83	1.00	0.02
13.49	97.05	1.10	0.84	1.00	0.02	13.51	97.84	1.11	0.80	1.00	0.02
13.53	96.78	1.10	0.84	1.00	0.02	13.55	95.17	1.08	0.93	1.00	0.02
13.57	92.94	1.05	1.07	1.00	0.02	13.59	88.07	1.00	1.63	1.00	0.03
13.61	82.66	0.94	3.88	1.00	0.08	13.63	80.85	0.93	3.97	1.00	0.08
13.65	79.51	0.92	4.03	1.00	0.08	13.67	79.19	0.91	4.05	1.00	0.08
13.69	83.82	0.96	3.07	1.00	0.06	13.71	86.51	0.98	1.91	1.00	0.04
13.73	86.62	0.99	1.87	1.00	0.04	13.75	88.62	1.01	1.48	1.00	0.03
13.77	91.80	1.04	1.12	1.00	0.02	13.79	95.78	1.09	0.86	1.00	0.02
13.81	101.78	1.18	0.63	1.00	0.01	13.83	104.77	1.23	0.54	1.00	0.01
13.85	102.95	1.20	0.59	1.00	0.01	13.87	98.85	1.14	0.72	1.00	0.01
13.89	94.80	1.08	0.90	1.00	0.02	13.91	93.55	1.07	0.97	1.00	0.02
13.93	92.84	1.06	1.02	1.00	0.02	13.95	104.75	1.23	0.53	1.00	0.01
13.97	93.63	1.07	0.96	1.00	0.02	13.98	88.59	1.01	1.41	1.00	0.03
14.00	84.89	0.98	2.20	1.00	0.04	14.02	84.06	0.97	2.52	1.00	0.05
14.04	82.37	0.95	3.70	1.00	0.07	14.06	79.85	0.93	4.02	1.00	0.08
14.08	76.36	0.90	4.19	1.00	0.08	14.10	76.31	0.90	4.19	1.00	0.08
14.12	76.27	0.90	4.20	1.00	0.08	14.14	76.37	0.90	4.19	1.00	0.08
14.16	78.82	0.92	4.07	1.00	0.08	14.18	87.48	1.01	1.50	1.00	0.03
14.20	89.34	1.03	1.26	1.00	0.03	14.22	84.83	0.98	2.07	1.00	0.04
14.24	84.29	0.98	2.24	1.00	0.04	14.26	94.88	1.10	0.85	1.00	0.02
14.28	91.84	1.06	1.02	1.00	0.02	14.30	92.61	1.07	0.97	1.00	0.02
14.32	92.64	1.07	0.97	1.00	0.02	14.34	92.76	1.07	0.96	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.36	92.30	1.07	0.98	1.00	0.02	14.38	102.03	1.20	0.58	1.00	0.01
14.40	117.49	1.50	0.25	1.00	0.00	14.42	122.43	1.64	0.16	1.00	0.00
14.44	119.27	1.55	0.22	1.00	0.00	14.46	114.94	1.45	0.29	1.00	0.01
14.48	109.02	1.32	0.41	1.00	0.01	14.50	111.13	1.37	0.36	1.00	0.01
14.52	103.78	1.23	0.52	1.00	0.01	14.54	98.09	1.15	0.69	1.00	0.01
14.56	91.81	1.07	0.98	1.00	0.02	14.58	86.95	1.01	1.43	1.00	0.03
14.60	85.30	1.00	1.71	1.00	0.03	14.62	85.62	1.00	1.64	1.00	0.03
14.64	86.73	1.01	1.44	1.00	0.03	14.66	92.15	1.08	0.94	1.00	0.02
14.68	96.73	1.13	0.72	1.00	0.01	14.70	95.38	1.12	0.77	1.00	0.02
14.72	94.17	1.10	0.83	1.00	0.02	14.74	94.46	1.11	0.81	1.00	0.02
14.76	93.93	1.10	0.83	1.00	0.02	14.78	93.57	1.10	0.85	1.00	0.02
14.80	91.97	1.08	0.93	1.00	0.02	14.82	90.97	1.07	0.99	1.00	0.02
14.84	89.02	1.04	1.13	1.00	0.02	14.86	87.31	1.02	1.30	1.00	0.03
14.88	85.97	1.01	1.47	1.00	0.03	14.90	85.04	1.00	1.62	1.00	0.03
14.92	84.88	1.00	1.64	1.00	0.03	14.94	84.82	1.00	1.65	1.00	0.03
14.96	84.78	1.00	1.65	1.00	0.03	14.98	84.73	1.00	1.64	1.00	0.03
15.00	84.86	1.00	1.61	1.00	0.03	15.02	85.20	1.01	1.54	1.00	0.03
15.04	86.46	1.02	1.35	1.00	0.03	15.06	87.37	1.03	1.24	1.00	0.02
15.08	88.56	1.05	1.12	1.00	0.02	15.10	89.67	1.06	1.03	1.00	0.02
15.12	90.16	1.06	0.99	1.00	0.02	15.14	90.43	1.07	0.97	1.00	0.02
15.16	91.38	1.08	0.91	1.00	0.02	15.18	91.85	1.09	0.88	1.00	0.02
15.20	91.36	1.08	0.90	1.00	0.02	15.22	91.25	1.08	0.91	1.00	0.02
15.24	89.98	1.07	0.98	1.00	0.02	15.26	89.42	1.06	1.01	1.00	0.02
15.28	89.26	1.06	1.02	1.00	0.02	15.30	89.19	1.06	1.02	1.00	0.02
15.32	89.13	1.06	1.02	1.00	0.02	15.34	89.07	1.06	1.02	1.00	0.02
15.36	89.07	1.06	1.02	1.00	0.02	15.38	88.82	1.06	1.03	1.00	0.02
15.40	88.58	1.05	1.05	1.00	0.02	15.42	88.73	1.06	1.03	1.00	0.02
15.44	88.45	1.05	1.05	1.00	0.02	15.46	87.96	1.05	1.08	1.00	0.02
15.48	87.04	1.04	1.16	1.00	0.02	15.50	86.95	1.04	1.16	1.00	0.02
15.52	86.78	1.04	1.17	1.00	0.02	15.54	86.72	1.04	1.18	1.00	0.02
15.56	86.67	1.04	1.18	1.00	0.02	15.58	86.62	1.04	1.18	1.00	0.02
15.60	86.61	1.04	1.17	1.00	0.02	15.62	87.56	1.05	1.08	1.00	0.02
15.64	87.39	1.05	1.09	1.00	0.02	15.66	86.90	1.04	1.13	1.00	0.02
15.68	85.90	1.03	1.22	1.00	0.02	15.70	85.31	1.03	1.28	1.00	0.03
15.72	85.24	1.03	1.29	1.00	0.03	15.74	85.22	1.03	1.28	1.00	0.03
15.76	85.20	1.03	1.28	1.00	0.03	15.78	85.40	1.03	1.25	1.00	0.02
15.80	85.89	1.04	1.19	1.00	0.02	15.82	87.10	1.05	1.08	1.00	0.02
15.84	90.40	1.09	0.86	1.00	0.02	15.86	93.69	1.13	0.72	1.00	0.01
15.88	102.28	1.26	0.48	1.00	0.01	15.90	107.49	1.35	0.37	1.00	0.01
15.92	117.06	1.56	0.21	1.00	0.00	15.94	126.66	1.85	0.06	1.00	0.00
15.96	130.87	2.00	0.00	1.00	0.00	15.98	127.11	1.86	0.05	1.00	0.00
16.00	123.36	1.74	0.11	1.00	0.00	16.02	120.56	1.66	0.15	1.00	0.00
16.04	117.23	1.57	0.20	1.00	0.00	16.06	110.76	1.42	0.31	1.00	0.01
16.08	105.32	1.31	0.41	1.00	0.01	16.10	102.34	1.26	0.47	1.00	0.01
16.12	99.19	1.22	0.54	1.00	0.01	16.14	96.09	1.17	0.61	1.00	0.01
16.16	94.44	1.15	0.66	1.00	0.01	16.18	93.63	1.14	0.69	1.00	0.01
16.20	93.58	1.14	0.69	1.00	0.01	16.22	93.53	1.14	0.69	1.00	0.01
16.24	93.69	1.14	0.68	1.00	0.01	16.26	98.35	1.21	0.55	1.00	0.01
16.28	101.92	1.26	0.46	1.00	0.01	16.30	100.68	1.25	0.49	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.32	98.47	1.21	0.54	1.00	0.01	16.34	98.35	1.21	0.54	1.00	0.01
16.36	98.26	1.21	0.54	1.00	0.01	16.38	98.35	1.21	0.54	1.00	0.01
16.40	98.43	1.21	0.53	1.00	0.01	16.42	101.49	1.26	0.47	1.00	0.01
16.44	102.83	1.28	0.44	1.00	0.01	16.46	105.60	1.33	0.38	1.00	0.01
16.48	108.96	1.40	0.32	1.00	0.01	16.50	115.59	1.55	0.21	1.00	0.00
16.52	123.32	1.76	0.10	1.00	0.00	16.54	131.41	2.00	0.00	1.00	0.00
16.55	133.65	2.00	0.00	1.00	0.00	16.57	134.36	2.00	0.00	1.00	0.00
16.59	134.72	2.00	0.00	1.00	0.00	16.61	129.38	1.98	0.01	1.00	0.00
16.63	121.08	1.70	0.13	1.00	0.00	16.65	112.67	1.49	0.25	1.00	0.01
16.67	112.53	1.48	0.26	1.00	0.01	16.69	112.43	1.48	0.26	1.00	0.01
16.71	112.38	1.48	0.26	1.00	0.01	16.73	112.33	1.48	0.26	1.00	0.01
16.75	120.92	1.70	0.13	1.00	0.00	16.77	133.03	2.00	0.00	1.00	0.00
16.79	141.28	2.00	0.00	1.00	0.00	16.81	143.64	2.00	0.00	1.00	0.00
16.83	143.35	2.00	0.00	1.00	0.00	16.85	146.28	2.00	0.00	1.00	0.00
16.87	150.01	2.00	0.00	1.00	0.00	16.89	152.47	2.00	0.00	1.00	0.00
16.91	151.16	2.00	0.00	1.00	0.00	16.93	145.76	2.00	0.00	1.00	0.00
16.95	137.31	2.00	0.00	1.00	0.00	16.97	128.39	1.97	0.01	1.00	0.00
16.99	119.55	1.68	0.14	1.00	0.00	17.01	113.92	1.53	0.22	1.00	0.00
17.03	109.37	1.43	0.29	1.00	0.01	17.05	104.67	1.34	0.37	1.00	0.01
17.07	102.54	1.30	0.41	1.00	0.01	17.09	101.48	1.29	0.43	1.00	0.01
17.11	101.43	1.29	0.43	1.00	0.01	17.13	101.38	1.29	0.43	1.00	0.01
17.15	101.38	1.29	0.42	1.00	0.01	17.17	101.65	1.29	0.42	1.00	0.01
17.19	101.76	1.30	0.42	1.00	0.01	17.21	102.17	1.30	0.41	1.00	0.01
17.23	101.35	1.29	0.42	1.00	0.01	17.25	100.24	1.27	0.44	1.00	0.01
17.27	98.37	1.25	0.48	1.00	0.01	17.29	94.97	1.20	0.55	1.00	0.01
17.31	91.17	1.15	0.65	1.00	0.01	17.33	88.98	1.12	0.72	1.00	0.01
17.35	88.30	1.11	0.74	1.00	0.01	17.37	88.58	1.12	0.73	1.00	0.01
17.39	89.08	1.12	0.71	1.00	0.01	17.41	89.32	1.13	0.70	1.00	0.01
17.43	89.25	1.13	0.70	1.00	0.01	17.45	89.21	1.13	0.70	1.00	0.01
17.47	89.11	1.13	0.70	1.00	0.01	17.49	89.11	1.13	0.70	1.00	0.01
17.51	89.71	1.14	0.67	1.00	0.01	17.53	90.16	1.14	0.66	1.00	0.01
17.55	90.02	1.14	0.66	1.00	0.01	17.57	88.81	1.13	0.70	1.00	0.01
17.59	87.56	1.11	0.74	1.00	0.01	17.61	87.07	1.11	0.76	1.00	0.02
17.63	86.91	1.11	0.76	1.00	0.02	17.65	86.87	1.11	0.76	1.00	0.02
17.67	86.83	1.11	0.76	1.00	0.02	17.69	86.96	1.11	0.75	1.00	0.01
17.71	86.99	1.11	0.75	1.00	0.01	17.73	86.98	1.11	0.74	1.00	0.01
17.75	87.24	1.11	0.73	1.00	0.01	17.77	87.20	1.11	0.73	1.00	0.01
17.79	85.98	1.10	0.78	1.00	0.02	17.81	84.88	1.09	0.82	1.00	0.02
17.83	84.71	1.09	0.83	1.00	0.02	17.85	84.54	1.09	0.83	1.00	0.02
17.87	84.53	1.09	0.83	1.00	0.02	17.89	84.31	1.08	0.84	1.00	0.02
17.91	84.17	1.08	0.84	1.00	0.02	17.93	82.53	1.07	0.94	1.00	0.02
17.95	82.26	1.06	0.95	1.00	0.02	17.97	82.12	1.06	0.95	1.00	0.02
17.99	82.04	1.06	0.96	1.00	0.02	18.01	82.35	1.07	0.93	1.00	0.02
18.03	82.65	1.07	0.91	1.00	0.02	18.05	85.34	1.10	0.77	1.00	0.02
18.07	87.99	1.13	0.67	1.00	0.01	18.09	87.00	1.12	0.70	1.00	0.01
18.11	83.59	1.08	0.84	1.00	0.02	18.13	78.23	1.03	1.29	1.00	0.03
18.15	73.70	0.98	2.58	1.00	0.05	18.17	71.18	0.96	4.48	1.00	0.09
18.19	71.08	0.96	4.48	1.00	0.09	18.21	72.19	0.97	3.70	1.00	0.07
18.23	72.99	0.98	2.90	1.00	0.06	18.25	74.63	1.00	2.02	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.27	76.05	1.01	1.60	1.00	0.03	18.29	75.63	1.01	1.69	1.00	0.03
18.31	75.12	1.00	1.81	1.00	0.04	18.33	74.18	0.99	2.11	1.00	0.04
18.35	74.44	1.00	1.99	1.00	0.04	18.37	72.49	0.98	3.00	1.00	0.06
18.38	71.92	0.97	3.47	1.00	0.07	18.40	70.77	0.96	4.50	1.00	0.09
18.42	71.27	0.97	4.15	1.00	0.08	18.44	70.96	0.97	4.49	1.00	0.09
18.46	70.97	0.97	4.46	1.00	0.09	18.48	70.08	0.96	4.54	1.00	0.09
18.50	69.93	0.96	4.55	1.00	0.09	18.52	69.85	0.96	4.56	1.00	0.09
18.54	69.86	0.96	4.56	1.00	0.09	18.56	69.96	0.96	4.55	1.00	0.09
18.58	69.85	0.96	4.56	1.00	0.09	18.60	69.81	0.96	4.56	1.00	0.09
18.62	69.90	0.96	4.56	1.00	0.09	18.64	69.56	0.96	4.58	1.00	0.09
18.66	69.36	0.96	4.59	1.00	0.09	18.68	69.21	0.96	4.60	1.00	0.09
18.70	68.91	0.96	4.62	1.00	0.09	18.72	68.92	0.96	4.62	1.00	0.09
18.74	70.73	0.97	3.73	1.00	0.07	18.76	91.67	1.20	0.51	1.00	0.01
18.78	73.02	1.00	2.09	1.00	0.04	18.80	74.24	1.01	1.68	1.00	0.03
18.82	73.12	1.00	2.01	1.00	0.04	18.84	72.21	0.99	2.37	1.00	0.05
18.86	70.61	0.98	3.49	1.00	0.07	18.88	69.93	0.97	4.30	1.00	0.09
18.90	70.07	0.97	4.01	1.00	0.08	18.92	70.42	0.98	3.53	1.00	0.07
18.94	70.91	0.98	3.02	1.00	0.06	18.96	71.10	0.98	2.84	1.00	0.06
18.98	71.52	0.99	2.54	1.00	0.05	19.00	73.33	1.00	1.78	1.00	0.04
19.02	74.55	1.02	1.48	1.00	0.03	19.04	75.19	1.02	1.35	1.00	0.03
19.06	75.51	1.03	1.29	1.00	0.03	19.08	75.83	1.03	1.24	1.00	0.02
19.10	77.15	1.04	1.08	1.00	0.02	19.12	79.02	1.06	0.92	1.00	0.02
19.14	79.55	1.07	0.88	1.00	0.02	19.16	82.23	1.10	0.74	1.00	0.01
19.18	83.82	1.12	0.68	1.00	0.01	19.20	81.98	1.10	0.74	1.00	0.01
19.22	81.08	1.09	0.78	1.00	0.02	19.24	83.28	1.11	0.69	1.00	0.01
19.26	90.29	1.20	0.50	1.00	0.01	19.28	94.42	1.26	0.43	1.00	0.01
19.30	92.93	1.24	0.45	1.00	0.01	19.32	90.44	1.20	0.50	1.00	0.01
19.34	88.56	1.18	0.53	1.00	0.01	19.36	87.69	1.17	0.55	1.00	0.01
19.38	87.68	1.17	0.55	1.00	0.01	19.40	87.73	1.17	0.55	1.00	0.01
19.42	87.95	1.18	0.54	1.00	0.01	19.44	91.71	1.23	0.47	1.00	0.01
19.46	94.86	1.27	0.41	1.00	0.01	19.48	94.43	1.27	0.42	1.00	0.01
19.50	90.88	1.22	0.48	1.00	0.01	19.52	90.47	1.21	0.48	1.00	0.01
19.54	90.34	1.21	0.48	1.00	0.01	19.56	90.29	1.21	0.48	1.00	0.01
19.58	90.25	1.21	0.48	1.00	0.01	19.60	90.23	1.21	0.48	1.00	0.01
19.62	90.65	1.22	0.47	1.00	0.01	19.64	92.85	1.25	0.43	1.00	0.01
19.66	94.62	1.28	0.40	1.00	0.01	19.68	95.26	1.29	0.39	1.00	0.01
19.70	95.78	1.29	0.38	1.00	0.01	19.72	93.49	1.26	0.42	1.00	0.01
19.74	88.51	1.19	0.50	1.00	0.01						

Total estimated settlement: 36.12

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement

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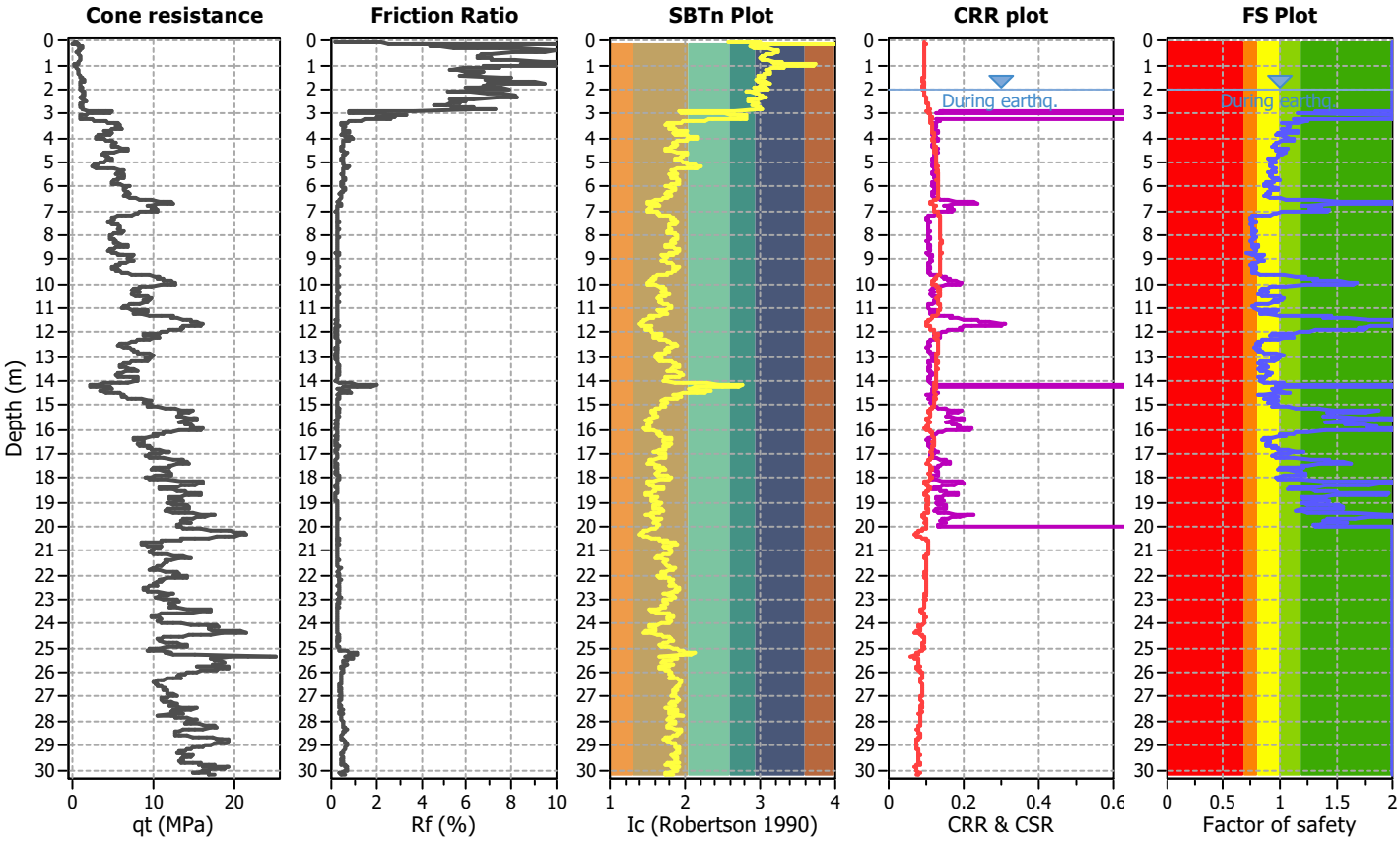
LIQUEFACTION ANALYSIS REPORT

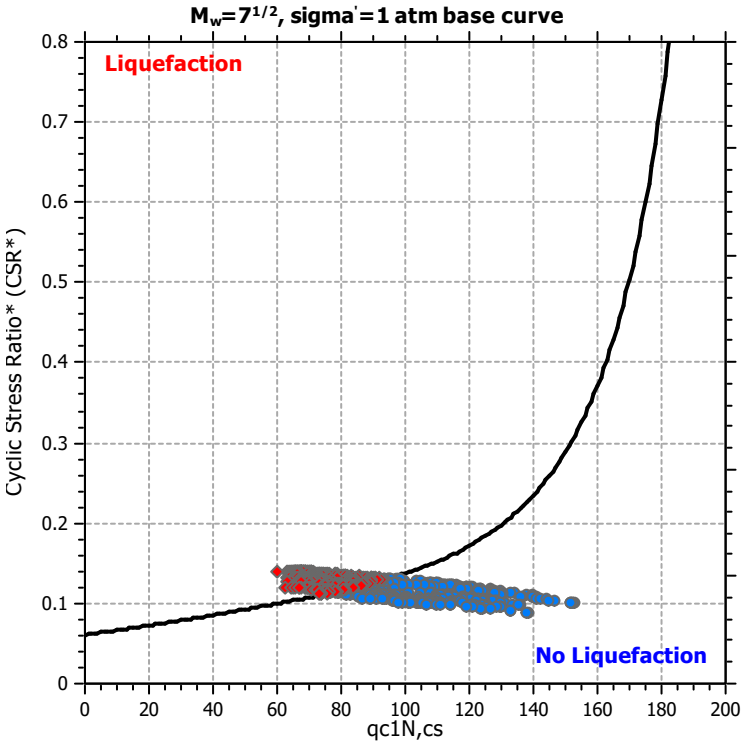
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

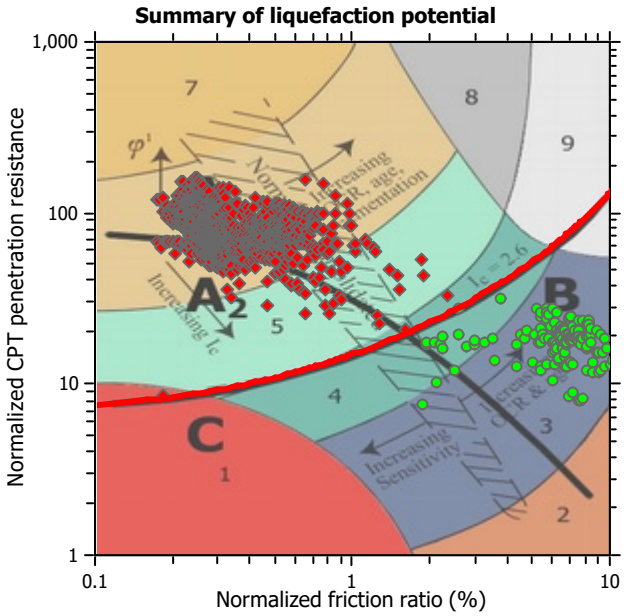
CPT file : P313 - SCPTu-19

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

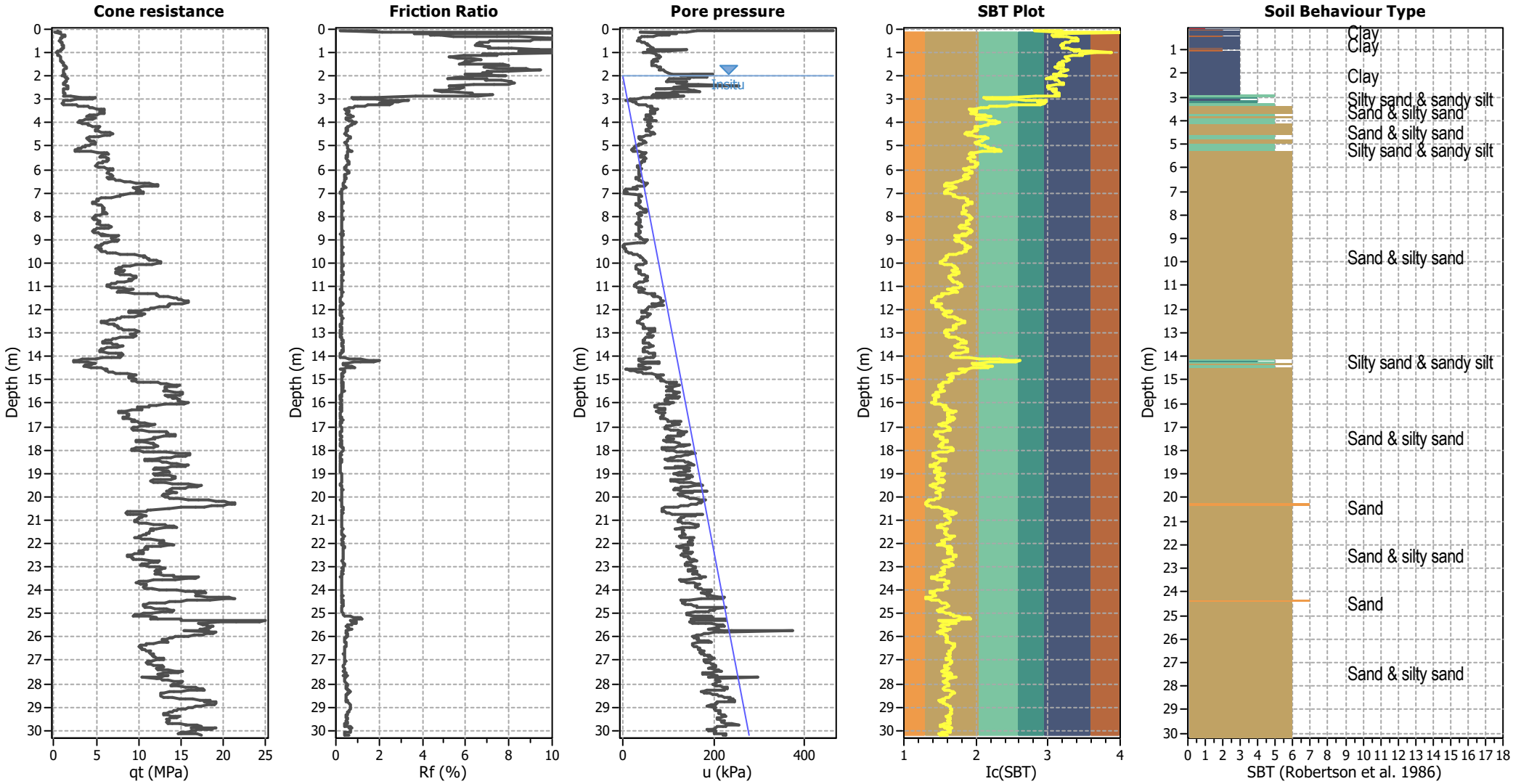






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



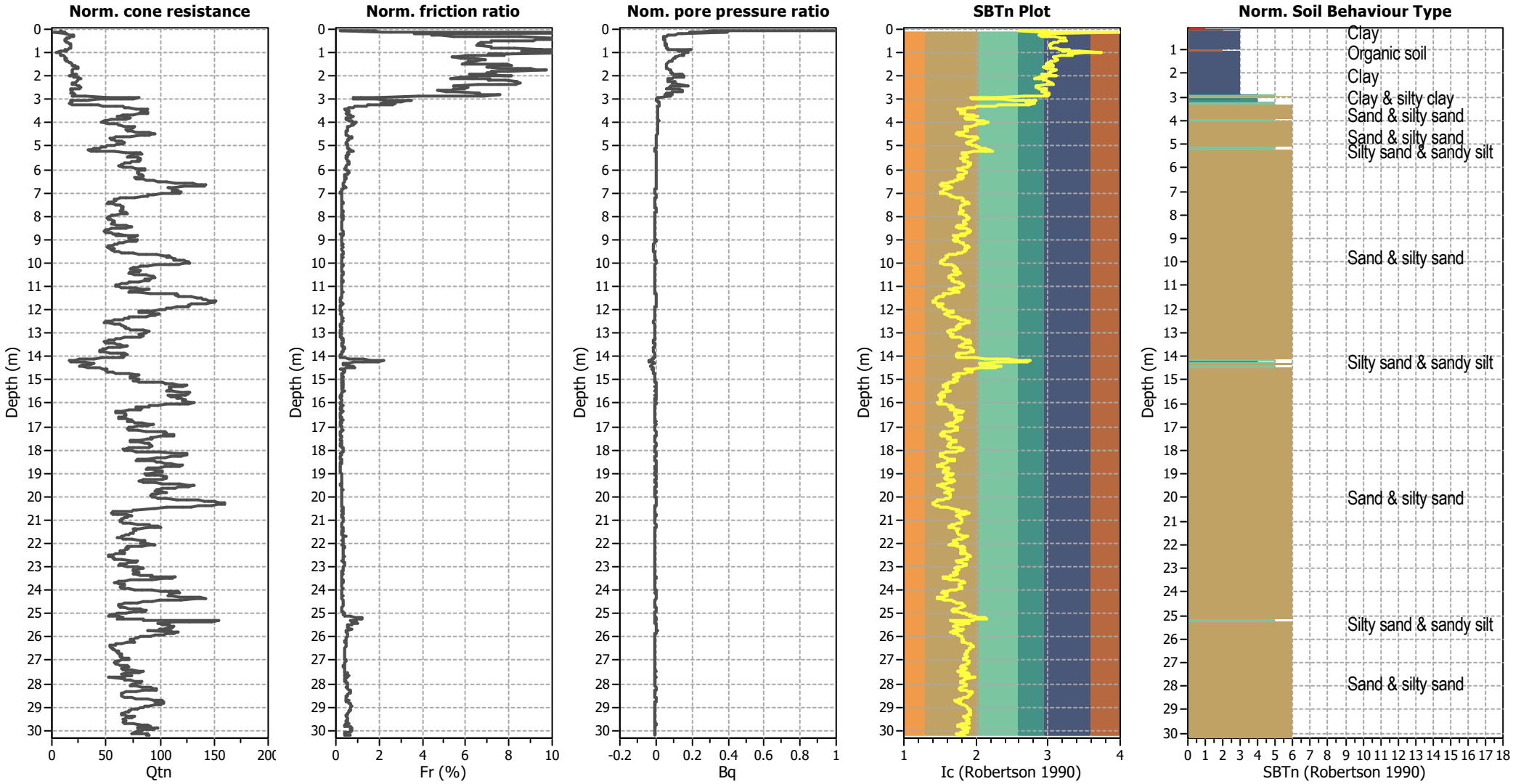
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



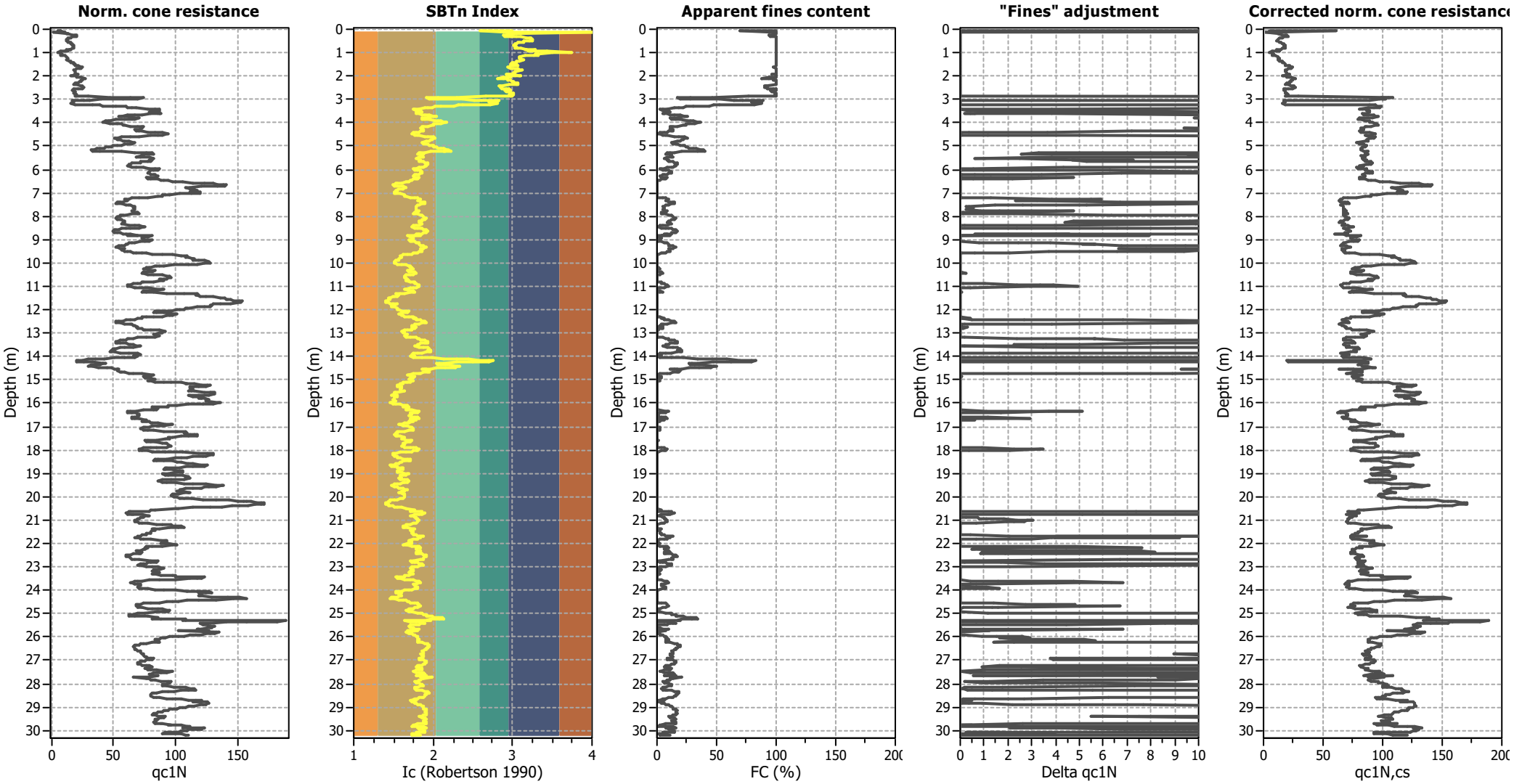
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

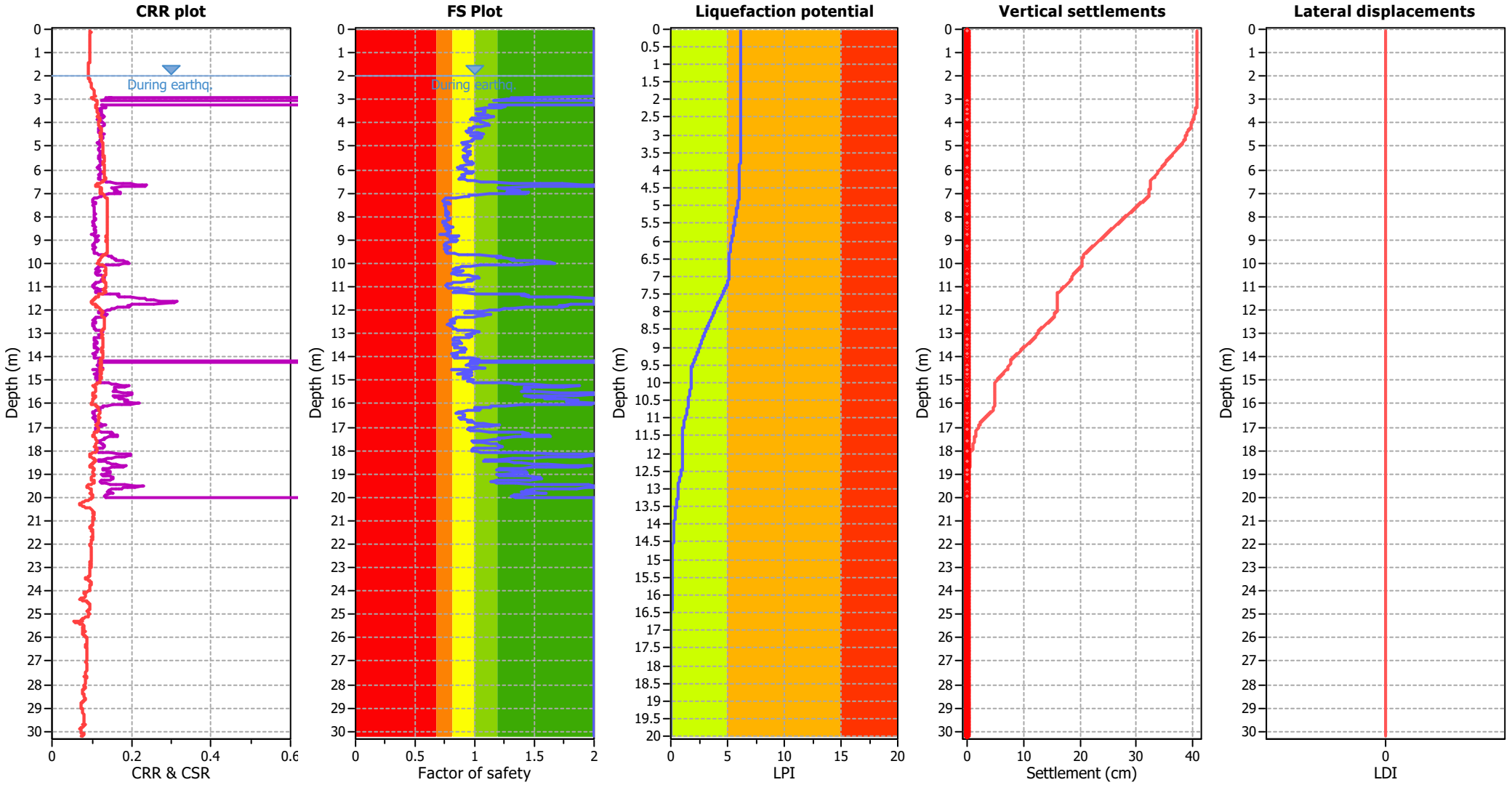
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

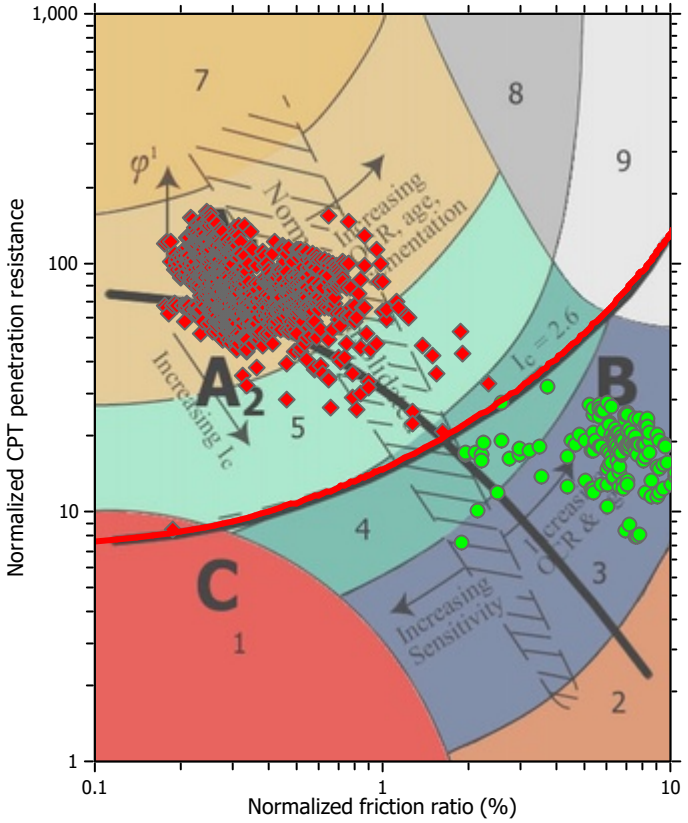
F.S. color scheme

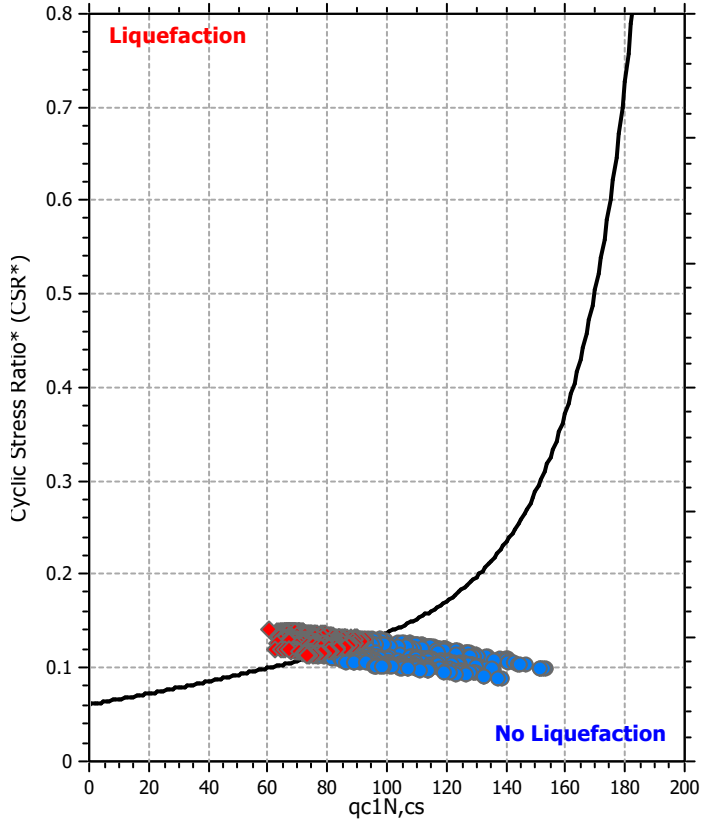
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

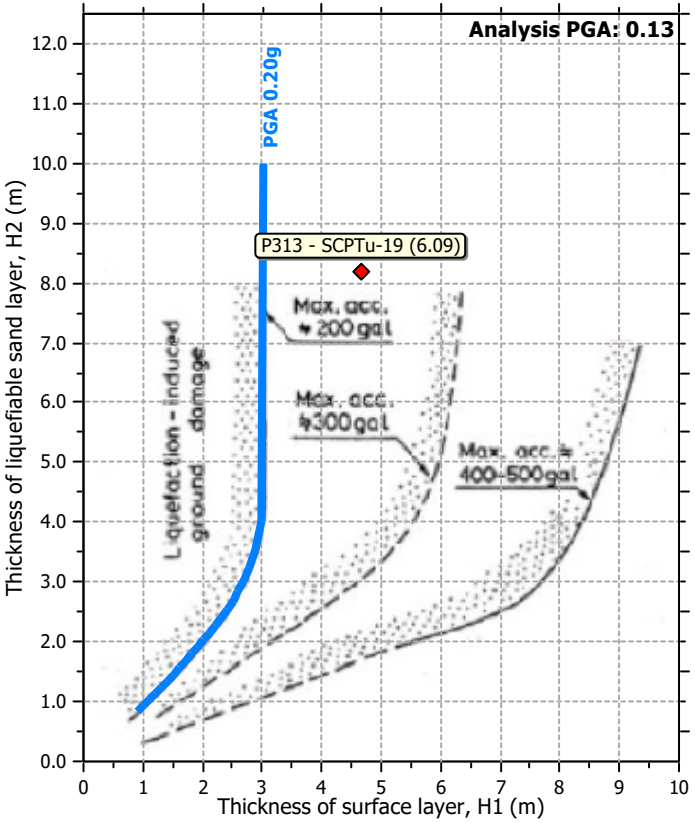
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



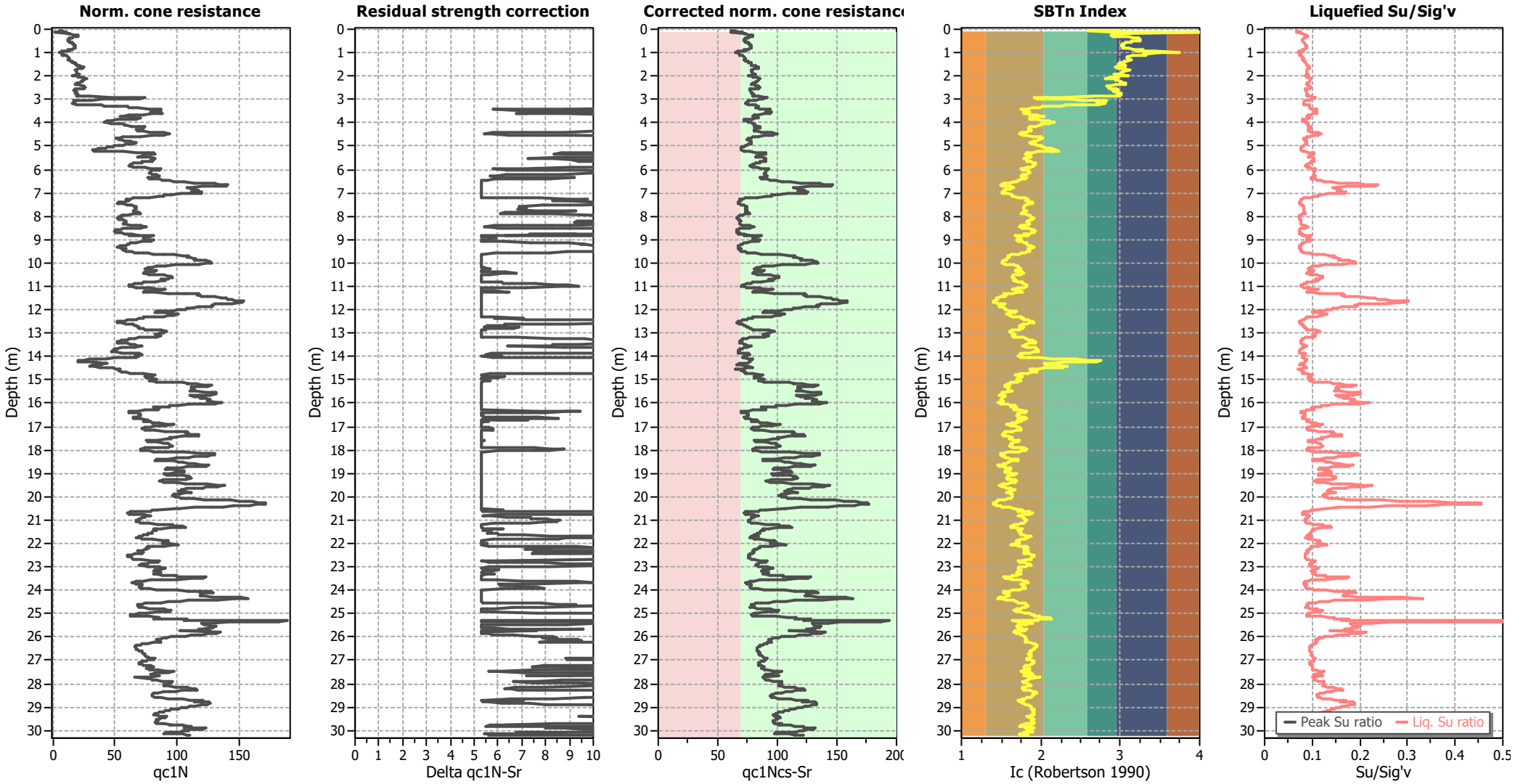




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.06	2.00	0.00	0.00	0.02	0.00	0.08	2.00	0.00	0.00	0.02	0.00
0.10	2.00	0.00	0.00	0.02	0.00	0.12	2.00	0.00	0.00	0.02	0.00
0.14	2.00	0.00	0.00	0.02	0.00	0.16	2.00	0.00	0.00	0.02	0.00
0.18	2.00	0.00	0.00	0.02	0.00	0.20	2.00	0.00	0.00	0.02	0.00
0.22	2.00	0.00	0.00	0.02	0.00	0.24	2.00	0.00	0.00	0.02	0.00
0.26	2.00	0.00	0.00	0.02	0.00	0.28	2.00	0.00	0.00	0.02	0.00
0.30	2.00	0.00	0.00	0.02	0.00	0.32	2.00	0.00	0.00	0.02	0.00
0.34	2.00	0.00	0.00	0.02	0.00	0.36	2.00	0.00	0.00	0.02	0.00
0.38	2.00	0.00	0.00	0.02	0.00	0.40	2.00	0.00	0.00	0.02	0.00
0.42	2.00	0.00	0.00	0.02	0.00	0.44	2.00	0.00	0.00	0.02	0.00
0.46	2.00	0.00	0.00	0.02	0.00	0.48	2.00	0.00	0.00	0.02	0.00
0.50	2.00	0.00	0.00	0.02	0.00	0.52	2.00	0.00	0.00	0.02	0.00
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.82	2.00	0.00	0.00	0.02	0.00	1.84	2.00	0.00	0.00	0.02	0.00
1.86	2.00	0.00	0.00	0.02	0.00	1.88	2.00	0.00	0.00	0.02	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.67	2.00	0.00	0.00	0.02	0.00
2.69	2.00	0.00	0.00	0.02	0.00	2.71	2.00	0.00	0.00	0.02	0.00
2.73	2.00	0.00	0.00	0.02	0.00	2.75	2.00	0.00	0.00	0.02	0.00
2.77	2.00	0.00	0.00	0.02	0.00	2.79	2.00	0.00	0.00	0.02	0.00
2.81	2.00	0.00	0.00	0.02	0.00	2.83	2.00	0.00	0.00	0.02	0.00
2.85	2.00	0.00	0.00	0.02	0.00	2.87	2.00	0.00	0.00	0.02	0.00
2.89	1.42	0.00	0.00	0.02	0.00	2.91	1.49	0.00	0.00	0.02	0.00
2.93	1.31	0.00	0.00	0.02	0.00	2.95	1.33	0.00	0.00	0.02	0.00
2.97	1.36	0.00	0.00	0.02	0.00	2.99	1.27	0.00	0.00	0.02	0.00
3.01	1.15	0.00	0.00	0.02	0.00	3.03	2.00	0.00	0.00	0.02	0.00
3.05	2.00	0.00	0.00	0.02	0.00	3.07	2.00	0.00	0.00	0.02	0.00
3.09	2.00	0.00	0.00	0.02	0.00	3.11	2.00	0.00	0.00	0.02	0.00
3.13	2.00	0.00	0.00	0.02	0.00	3.15	2.00	0.00	0.00	0.02	0.00
3.17	2.00	0.00	0.00	0.02	0.00	3.19	2.00	0.00	0.00	0.02	0.00
3.21	2.00	0.00	0.00	0.02	0.00	3.23	1.12	0.00	0.00	0.02	0.00
3.25	1.18	0.00	0.00	0.02	0.00	3.27	1.21	0.00	0.00	0.02	0.00
3.29	1.25	0.00	0.00	0.02	0.00	3.31	1.25	0.00	0.00	0.02	0.00
3.33	1.22	0.00	0.00	0.02	0.00	3.35	1.15	0.00	0.00	0.02	0.00
3.37	1.09	0.00	0.00	0.02	0.00	3.39	1.01	0.00	0.00	0.02	0.00
3.41	1.04	0.00	0.00	0.02	0.00	3.43	1.08	0.00	0.00	0.02	0.00
3.45	1.07	0.00	0.00	0.02	0.00	3.47	1.07	0.00	0.00	0.02	0.00
3.49	1.09	0.00	0.00	0.02	0.00	3.51	1.09	0.00	0.00	0.02	0.00
3.53	1.07	0.00	0.00	0.02	0.00	3.55	1.08	0.00	0.00	0.02	0.00
3.57	1.07	0.00	0.00	0.02	0.00	3.59	1.07	0.00	0.00	0.02	0.00
3.61	1.05	0.00	0.00	0.02	0.00	3.63	1.02	0.00	0.00	0.02	0.00
3.65	1.02	0.00	0.00	0.02	0.00	3.67	1.05	0.00	0.00	0.02	0.00
3.69	1.11	0.00	0.00	0.02	0.00	3.71	1.13	0.00	0.00	0.02	0.00
3.73	1.15	0.00	0.00	0.02	0.00	3.75	1.16	0.00	0.00	0.02	0.00
3.77	1.10	0.00	0.00	0.02	0.00	3.79	1.05	0.00	0.00	0.02	0.00
3.81	0.97	0.00	0.00	0.02	0.00	3.83	0.96	0.00	0.00	0.02	0.01
3.85	0.96	0.00	0.00	0.02	0.01	3.87	0.98	0.00	0.00	0.02	0.00
3.89	1.02	0.00	0.00	0.02	0.00	3.91	1.03	0.00	0.00	0.02	0.00
3.93	1.05	0.00	0.00	0.02	0.00	3.95	1.05	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.97	1.06	0.00	0.00	0.02	0.00	3.99	1.08	0.00	0.00	0.02	0.00
4.01	1.10	0.00	0.00	0.02	0.00	4.03	1.11	0.00	0.00	0.02	0.00
4.05	1.12	0.00	0.00	0.02	0.00	4.07	1.12	0.00	0.00	0.02	0.00
4.09	1.12	0.00	0.00	0.02	0.00	4.11	1.10	0.00	0.00	0.02	0.00
4.13	1.05	0.00	0.00	0.02	0.00	4.15	1.01	0.00	0.00	0.02	0.00
4.17	0.99	0.00	0.00	0.02	0.00	4.19	0.99	0.00	0.00	0.02	0.00
4.21	0.99	0.00	0.00	0.02	0.00	4.23	0.97	0.00	0.00	0.02	0.00
4.25	0.96	0.00	0.00	0.02	0.01	4.27	0.95	0.00	0.00	0.02	0.01
4.29	0.97	0.00	0.00	0.02	0.01	4.31	0.97	0.00	0.00	0.02	0.00
4.33	0.97	0.00	0.00	0.02	0.01	4.35	0.94	0.00	0.00	0.02	0.01
4.37	0.93	0.00	0.00	0.02	0.01	4.39	0.94	0.00	0.00	0.02	0.01
4.41	0.97	0.00	0.00	0.02	0.00	4.43	1.02	0.00	0.00	0.02	0.00
4.45	1.07	0.00	0.00	0.02	0.00	4.47	1.07	0.00	0.00	0.02	0.00
4.49	1.05	0.00	0.00	0.02	0.00	4.51	1.02	0.00	0.00	0.02	0.00
4.53	0.99	0.00	0.00	0.02	0.00	4.55	0.97	0.00	0.00	0.02	0.00
4.57	1.00	0.00	0.00	0.02	0.00	4.59	1.03	0.00	0.00	0.02	0.00
4.61	1.06	0.00	0.00	0.02	0.00	4.63	1.05	0.00	0.00	0.02	0.00
4.65	1.02	0.00	0.00	0.02	0.00	4.67	1.00	0.00	0.00	0.02	0.00
4.69	0.98	0.00	0.00	0.02	0.00	4.71	0.98	0.00	0.00	0.02	0.00
4.73	0.98	0.00	0.00	0.02	0.00	4.75	0.99	0.00	0.00	0.02	0.00
4.77	0.98	0.00	0.00	0.02	0.00	4.79	0.98	0.00	0.00	0.02	0.00
4.81	0.96	0.00	0.00	0.02	0.01	4.83	0.89	0.00	0.00	0.02	0.02
4.85	0.89	0.00	0.00	0.02	0.02	4.87	0.90	0.00	0.00	0.02	0.02
4.89	0.91	0.00	0.00	0.02	0.01	4.91	0.93	0.00	0.00	0.02	0.01
4.93	0.94	0.00	0.00	0.02	0.01	4.95	0.95	0.00	0.00	0.02	0.01
4.97	0.96	0.00	0.00	0.02	0.01	4.99	0.96	0.00	0.00	0.02	0.01
5.01	0.95	0.00	0.00	0.02	0.01	5.03	0.94	0.00	0.00	0.02	0.01
5.05	0.93	0.00	0.00	0.02	0.01	5.07	0.92	0.00	0.00	0.02	0.01
5.09	0.92	0.00	0.00	0.02	0.01	5.11	0.92	0.00	0.00	0.02	0.01
5.13	0.91	0.00	0.00	0.02	0.01	5.15	0.90	0.00	0.00	0.02	0.01
5.17	0.90	0.00	0.00	0.02	0.01	5.19	0.93	0.00	0.00	0.02	0.01
5.21	0.95	0.00	0.00	0.02	0.01	5.23	0.96	0.00	0.00	0.02	0.01
5.25	0.97	0.00	0.00	0.02	0.00	5.27	0.94	0.00	0.00	0.02	0.01
5.29	0.94	0.00	0.00	0.02	0.01	5.31	0.93	0.00	0.00	0.02	0.01
5.33	0.93	0.00	0.00	0.02	0.01	5.35	0.94	0.00	0.00	0.02	0.01
5.37	0.96	0.00	0.00	0.02	0.01	5.39	0.93	0.00	0.00	0.02	0.01
5.41	0.92	0.00	0.00	0.02	0.01	5.43	0.90	0.00	0.00	0.02	0.01
5.45	0.94	0.00	0.00	0.02	0.01	5.47	0.93	0.00	0.00	0.02	0.01
5.49	0.90	0.00	0.00	0.02	0.01	5.51	0.91	0.00	0.00	0.02	0.01
5.53	0.91	0.00	0.00	0.02	0.01	5.55	0.91	0.00	0.00	0.02	0.01
5.57	0.92	0.00	0.00	0.02	0.01	5.59	0.94	0.00	0.00	0.02	0.01
5.61	0.93	0.00	0.00	0.02	0.01	5.63	0.93	0.00	0.00	0.02	0.01
5.65	0.94	0.00	0.00	0.02	0.01	5.67	0.97	0.00	0.00	0.02	0.00
5.69	0.98	0.00	0.00	0.02	0.00	5.71	0.97	0.00	0.00	0.02	0.00
5.73	0.99	0.00	0.00	0.02	0.00	5.75	0.97	0.00	0.00	0.02	0.00
5.77	0.95	0.00	0.00	0.02	0.01	5.79	0.94	0.00	0.00	0.02	0.01
5.81	0.93	0.00	0.00	0.02	0.01	5.83	0.88	0.00	0.00	0.02	0.02
5.85	0.88	0.00	0.00	0.02	0.02	5.87	0.91	0.00	0.00	0.02	0.01
5.89	0.89	0.00	0.00	0.02	0.01	5.91	0.87	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.93	0.85	0.00	0.00	0.02	0.02	5.95	0.87	0.00	0.00	0.02	0.02
5.97	0.90	0.00	0.00	0.02	0.01	5.99	0.93	0.00	0.00	0.02	0.01
6.01	0.92	0.00	0.00	0.02	0.01	6.03	0.91	0.00	0.00	0.02	0.01
6.05	0.93	0.00	0.00	0.02	0.01	6.07	0.95	0.00	0.00	0.02	0.01
6.09	0.98	0.00	0.00	0.02	0.00	6.11	0.98	0.00	0.00	0.02	0.00
6.13	0.98	0.00	0.00	0.02	0.00	6.15	0.95	0.00	0.00	0.02	0.01
6.17	0.92	0.00	0.00	0.02	0.01	6.19	0.90	0.00	0.00	0.02	0.01
6.21	0.89	0.00	0.00	0.02	0.02	6.23	0.90	0.00	0.00	0.02	0.01
6.25	0.91	0.00	0.00	0.02	0.01	6.27	0.92	0.00	0.00	0.02	0.01
6.29	0.92	0.00	0.00	0.02	0.01	6.31	0.90	0.00	0.00	0.02	0.01
6.33	0.87	0.00	0.00	0.02	0.02	6.35	0.87	0.00	0.00	0.02	0.02
6.37	0.88	0.00	0.00	0.02	0.02	6.39	0.87	0.00	0.00	0.02	0.02
6.41	0.87	0.00	0.00	0.02	0.02	6.43	0.91	0.00	0.00	0.02	0.01
6.45	0.94	0.00	0.00	0.02	0.01	6.47	0.96	0.00	0.00	0.02	0.00
6.49	1.00	0.00	0.00	0.02	0.00	6.51	1.05	0.00	0.00	0.02	0.00
6.53	1.08	0.00	0.00	0.02	0.00	6.55	1.16	0.00	0.00	0.02	0.00
6.57	1.31	0.00	0.00	0.02	0.00	6.59	1.54	0.00	0.00	0.02	0.00
6.61	1.73	0.00	0.00	0.02	0.00	6.63	1.90	0.00	0.00	0.02	0.00
6.65	2.00	0.00	0.00	0.02	0.00	6.67	2.00	0.00	0.00	0.02	0.00
6.69	2.00	0.00	0.00	0.02	0.00	6.71	1.86	0.00	0.00	0.02	0.00
6.73	1.47	0.00	0.00	0.02	0.00	6.75	1.27	0.00	0.00	0.02	0.00
6.77	1.20	0.00	0.00	0.02	0.00	6.79	1.19	0.00	0.00	0.02	0.00
6.81	1.28	0.00	0.00	0.02	0.00	6.83	1.32	0.00	0.00	0.02	0.00
6.85	1.31	0.00	0.00	0.02	0.00	6.87	1.27	0.00	0.00	0.02	0.00
6.89	1.38	0.00	0.00	0.02	0.00	6.91	1.35	0.00	0.00	0.02	0.00
6.93	1.28	0.00	0.00	0.02	0.00	6.94	1.27	0.00	0.00	0.02	0.00
6.96	1.32	0.00	0.00	0.02	0.00	6.98	1.45	0.00	0.00	0.02	0.00
7.00	1.42	0.00	0.00	0.02	0.00	7.02	1.27	0.00	0.00	0.02	0.00
7.04	1.12	0.00	0.00	0.02	0.00	7.06	1.01	0.00	0.00	0.02	0.00
7.08	0.97	0.00	0.00	0.02	0.00	7.10	0.95	0.00	0.00	0.02	0.01
7.12	0.95	0.00	0.00	0.02	0.01	7.14	0.95	0.00	0.00	0.02	0.01
7.16	0.91	0.00	0.00	0.02	0.01	7.18	0.84	0.00	0.00	0.02	0.02
7.20	0.78	0.00	0.00	0.02	0.03	7.22	0.76	0.00	0.00	0.02	0.03
7.24	0.75	0.00	0.00	0.02	0.03	7.26	0.75	0.00	0.00	0.02	0.03
7.28	0.74	0.00	0.00	0.02	0.03	7.30	0.74	0.00	0.00	0.02	0.03
7.32	0.73	0.00	0.00	0.02	0.03	7.34	0.73	0.00	0.00	0.02	0.03
7.36	0.74	0.00	0.00	0.02	0.03	7.38	0.75	0.00	0.00	0.02	0.03
7.40	0.77	0.00	0.00	0.02	0.03	7.42	0.78	0.00	0.00	0.02	0.03
7.44	0.79	0.00	0.00	0.02	0.03	7.46	0.77	0.00	0.00	0.02	0.03
7.48	0.76	0.00	0.00	0.02	0.03	7.50	0.75	0.00	0.00	0.02	0.03
7.52	0.74	0.00	0.00	0.02	0.03	7.54	0.75	0.00	0.00	0.02	0.03
7.56	0.75	0.00	0.00	0.02	0.03	7.58	0.76	0.00	0.00	0.02	0.03
7.60	0.76	0.00	0.00	0.02	0.03	7.62	0.76	0.00	0.00	0.02	0.03
7.64	0.76	0.00	0.00	0.02	0.03	7.66	0.76	0.00	0.00	0.02	0.03
7.68	0.76	0.00	0.00	0.02	0.03	7.70	0.76	0.00	0.00	0.02	0.03
7.72	0.76	0.00	0.00	0.02	0.03	7.74	0.76	0.00	0.00	0.02	0.03
7.76	0.76	0.00	0.00	0.02	0.03	7.78	0.77	0.00	0.00	0.02	0.03
7.80	0.76	0.00	0.00	0.02	0.03	7.82	0.77	0.00	0.00	0.02	0.03
7.84	0.77	0.00	0.00	0.02	0.03	7.86	0.78	0.00	0.00	0.02	0.03

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.88	0.77	0.00	0.00	0.02	0.03	7.90	0.75	0.00	0.00	0.02	0.03
7.92	0.75	0.00	0.00	0.02	0.03	7.94	0.77	0.00	0.00	0.02	0.03
7.96	0.77	0.00	0.00	0.02	0.03	7.98	0.76	0.00	0.00	0.02	0.03
8.00	0.76	0.00	0.00	0.02	0.03	8.02	0.77	0.00	0.00	0.02	0.03
8.04	0.77	0.00	0.00	0.02	0.03	8.06	0.78	0.00	0.00	0.02	0.03
8.08	0.78	0.00	0.00	0.02	0.03	8.10	0.79	0.00	0.00	0.02	0.02
8.12	0.78	0.00	0.00	0.02	0.03	8.14	0.77	0.00	0.00	0.02	0.03
8.16	0.76	0.00	0.00	0.02	0.03	8.18	0.76	0.00	0.00	0.02	0.03
8.20	0.75	0.00	0.00	0.02	0.03	8.22	0.73	0.00	0.00	0.02	0.03
8.24	0.73	0.00	0.00	0.02	0.03	8.26	0.74	0.00	0.00	0.02	0.03
8.28	0.74	0.00	0.00	0.02	0.03	8.30	0.76	0.00	0.00	0.02	0.03
8.32	0.76	0.00	0.00	0.02	0.03	8.34	0.76	0.00	0.00	0.02	0.03
8.36	0.75	0.00	0.00	0.02	0.03	8.38	0.76	0.00	0.00	0.02	0.03
8.40	0.78	0.00	0.00	0.02	0.03	8.42	0.80	0.00	0.00	0.02	0.02
8.44	0.81	0.00	0.00	0.02	0.02	8.46	0.81	0.00	0.00	0.02	0.02
8.48	0.78	0.00	0.00	0.02	0.03	8.50	0.75	0.00	0.00	0.02	0.03
8.52	0.75	0.00	0.00	0.02	0.03	8.54	0.76	0.00	0.00	0.02	0.03
8.56	0.77	0.00	0.00	0.02	0.03	8.58	0.78	0.00	0.00	0.02	0.03
8.60	0.78	0.00	0.00	0.02	0.02	8.62	0.80	0.00	0.00	0.02	0.02
8.64	0.80	0.00	0.00	0.02	0.02	8.66	0.79	0.00	0.00	0.02	0.02
8.68	0.78	0.00	0.00	0.02	0.02	8.70	0.78	0.00	0.00	0.02	0.03
8.72	0.77	0.00	0.00	0.02	0.03	8.74	0.78	0.00	0.00	0.02	0.02
8.76	0.71	0.00	0.00	0.02	0.03	8.78	0.76	0.00	0.00	0.02	0.03
8.80	0.77	0.00	0.00	0.02	0.03	8.82	0.77	0.00	0.00	0.02	0.03
8.84	0.86	0.00	0.00	0.02	0.02	8.86	0.84	0.00	0.00	0.02	0.02
8.88	0.81	0.00	0.00	0.02	0.02	8.90	0.80	0.00	0.00	0.02	0.02
8.92	0.80	0.00	0.00	0.02	0.02	8.94	0.81	0.00	0.00	0.02	0.02
8.96	0.80	0.00	0.00	0.02	0.02	8.98	0.80	0.00	0.00	0.02	0.02
9.00	0.82	0.00	0.00	0.02	0.02	9.02	0.84	0.00	0.00	0.02	0.02
9.04	0.86	0.00	0.00	0.02	0.02	9.06	0.84	0.00	0.00	0.02	0.02
9.08	0.82	0.00	0.00	0.02	0.02	9.10	0.79	0.00	0.00	0.02	0.02
9.12	0.76	0.00	0.00	0.02	0.03	9.14	0.75	0.00	0.00	0.02	0.03
9.16	0.75	0.00	0.00	0.02	0.03	9.18	0.76	0.00	0.00	0.02	0.03
9.20	0.75	0.00	0.00	0.02	0.03	9.22	0.74	0.00	0.00	0.02	0.03
9.24	0.74	0.00	0.00	0.02	0.03	9.26	0.75	0.00	0.00	0.02	0.03
9.28	0.77	0.00	0.00	0.02	0.02	9.30	0.79	0.00	0.00	0.02	0.02
9.32	0.80	0.00	0.00	0.02	0.02	9.34	0.79	0.00	0.00	0.02	0.02
9.36	0.77	0.00	0.00	0.02	0.02	9.38	0.75	0.00	0.00	0.02	0.03
9.40	0.75	0.00	0.00	0.02	0.03	9.42	0.75	0.00	0.00	0.02	0.03
9.44	0.76	0.00	0.00	0.02	0.03	9.46	0.76	0.00	0.00	0.02	0.02
9.48	0.76	0.00	0.00	0.02	0.02	9.50	0.76	0.00	0.00	0.02	0.03
9.52	0.76	0.00	0.00	0.02	0.03	9.54	0.76	0.00	0.00	0.02	0.02
9.56	0.77	0.00	0.00	0.02	0.02	9.58	0.80	0.00	0.00	0.02	0.02
9.60	0.83	0.00	0.00	0.02	0.02	9.62	0.87	0.00	0.00	0.02	0.01
9.64	0.94	0.00	0.00	0.02	0.01	9.66	1.04	0.00	0.00	0.02	0.00
9.68	1.14	0.00	0.00	0.02	0.00	9.70	1.20	0.00	0.00	0.02	0.00
9.72	1.22	0.00	0.00	0.02	0.00	9.74	1.19	0.00	0.00	0.02	0.00
9.76	1.19	0.00	0.00	0.02	0.00	9.78	1.24	0.00	0.00	0.02	0.00
9.80	1.30	0.00	0.00	0.02	0.00	9.82	1.33	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.84	1.30	0.00	0.00	0.02	0.00	9.86	1.31	0.00	0.00	0.02	0.00
9.88	1.42	0.00	0.00	0.02	0.00	9.90	1.53	0.00	0.00	0.02	0.00
9.92	1.62	0.00	0.00	0.02	0.00	9.94	1.63	0.00	0.00	0.02	0.00
9.96	1.64	0.00	0.00	0.02	0.00	9.98	1.68	0.00	0.00	0.02	0.00
10.00	1.66	0.00	0.00	0.02	0.00	10.02	1.53	0.00	0.00	0.02	0.00
10.04	1.39	0.00	0.00	0.02	0.00	10.06	1.23	0.00	0.00	0.02	0.00
10.08	1.05	0.00	0.00	0.02	0.00	10.10	0.96	0.00	0.00	0.02	0.00
10.12	0.92	0.00	0.00	0.02	0.01	10.14	0.91	0.00	0.00	0.02	0.01
10.16	0.89	0.00	0.00	0.02	0.01	10.18	0.87	0.00	0.00	0.02	0.01
10.20	0.85	0.00	0.00	0.02	0.01	10.22	0.84	0.00	0.00	0.02	0.02
10.24	0.82	0.00	0.00	0.02	0.02	10.26	0.82	0.00	0.00	0.02	0.02
10.28	0.83	0.00	0.00	0.02	0.02	10.30	0.87	0.00	0.00	0.02	0.01
10.32	0.90	0.00	0.00	0.02	0.01	10.34	0.90	0.00	0.00	0.02	0.01
10.36	0.88	0.00	0.00	0.02	0.01	10.38	0.84	0.00	0.00	0.02	0.02
10.40	0.82	0.00	0.00	0.02	0.02	10.42	0.81	0.00	0.00	0.02	0.02
10.44	0.81	0.00	0.00	0.02	0.02	10.46	0.82	0.00	0.00	0.02	0.02
10.48	0.85	0.00	0.00	0.02	0.01	10.50	0.89	0.00	0.00	0.02	0.01
10.52	0.95	0.00	0.00	0.02	0.00	10.54	0.99	0.00	0.00	0.02	0.00
10.56	1.02	0.00	0.00	0.02	0.00	10.58	1.03	0.00	0.00	0.02	0.00
10.60	1.04	0.00	0.00	0.02	0.00	10.62	1.03	0.00	0.00	0.02	0.00
10.64	1.01	0.00	0.00	0.02	0.00	10.66	0.99	0.00	0.00	0.02	0.00
10.68	0.97	0.00	0.00	0.02	0.00	10.70	0.94	0.00	0.00	0.02	0.01
10.72	0.94	0.00	0.00	0.02	0.01	10.74	0.96	0.00	0.00	0.02	0.00
10.76	0.98	0.00	0.00	0.02	0.00	10.78	0.95	0.00	0.00	0.02	0.00
10.80	0.89	0.00	0.00	0.02	0.01	10.82	0.82	0.00	0.00	0.02	0.02
10.84	0.82	0.00	0.00	0.02	0.02	10.86	0.81	0.00	0.00	0.02	0.02
10.88	0.79	0.00	0.00	0.02	0.02	10.90	0.77	0.00	0.00	0.02	0.02
10.92	0.77	0.00	0.00	0.02	0.02	10.94	0.77	0.00	0.00	0.02	0.02
10.96	0.76	0.00	0.00	0.02	0.02	10.98	0.76	0.00	0.00	0.02	0.02
11.00	0.77	0.00	0.00	0.02	0.02	11.02	0.77	0.00	0.00	0.02	0.02
11.04	0.78	0.00	0.00	0.02	0.02	11.06	0.81	0.00	0.00	0.02	0.02
11.08	0.86	0.00	0.00	0.02	0.01	11.10	0.92	0.00	0.00	0.02	0.01
11.12	0.98	0.00	0.00	0.02	0.00	11.14	0.96	0.00	0.00	0.02	0.00
11.16	0.91	0.00	0.00	0.02	0.01	11.18	0.86	0.00	0.00	0.02	0.01
11.20	0.83	0.00	0.00	0.02	0.01	11.22	0.82	0.00	0.00	0.02	0.02
11.24	0.82	0.00	0.00	0.02	0.02	11.26	0.84	0.00	0.00	0.02	0.01
11.28	0.90	0.00	0.00	0.02	0.01	11.30	1.00	0.00	0.00	0.02	0.00
11.32	1.20	0.00	0.00	0.02	0.00	11.34	1.41	0.00	0.00	0.02	0.00
11.36	1.45	0.00	0.00	0.02	0.00	11.38	1.39	0.00	0.00	0.02	0.00
11.40	1.40	0.00	0.00	0.02	0.00	11.42	1.45	0.00	0.00	0.02	0.00
11.44	1.59	0.00	0.00	0.02	0.00	11.46	1.79	0.00	0.00	0.02	0.00
11.48	2.00	0.00	0.00	0.02	0.00	11.50	2.00	0.00	0.00	0.02	0.00
11.52	2.00	0.00	0.00	0.02	0.00	11.54	2.00	0.00	0.00	0.02	0.00
11.56	2.00	0.00	0.00	0.02	0.00	11.58	2.00	0.00	0.00	0.02	0.00
11.60	2.00	0.00	0.00	0.02	0.00	11.62	2.00	0.00	0.00	0.02	0.00
11.64	2.00	0.00	0.00	0.02	0.00	11.66	2.00	0.00	0.00	0.02	0.00
11.68	2.00	0.00	0.00	0.02	0.00	11.70	2.00	0.00	0.00	0.02	0.00
11.72	2.00	0.00	0.00	0.02	0.00	11.74	2.00	0.00	0.00	0.02	0.00
11.76	1.81	0.00	0.00	0.02	0.00	11.78	1.74	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.80	1.76	0.00	0.00	0.02	0.00	11.82	1.71	0.00	0.00	0.02	0.00
11.84	1.78	0.00	0.00	0.02	0.00	11.86	1.73	0.00	0.00	0.02	0.00
11.88	1.57	0.00	0.00	0.02	0.00	11.90	1.42	0.00	0.00	0.02	0.00
11.91	1.31	0.00	0.00	0.02	0.00	11.93	1.26	0.00	0.00	0.02	0.00
11.95	1.24	0.00	0.00	0.02	0.00	11.97	1.21	0.00	0.00	0.02	0.00
11.99	1.17	0.00	0.00	0.02	0.00	12.01	1.13	0.00	0.00	0.02	0.00
12.03	1.06	0.00	0.00	0.02	0.00	12.05	0.97	0.00	0.00	0.02	0.00
12.07	0.92	0.00	0.00	0.02	0.01	12.09	0.92	0.00	0.00	0.02	0.01
12.11	0.93	0.00	0.00	0.02	0.01	12.13	1.00	0.00	0.00	0.02	0.00
12.15	1.09	0.00	0.00	0.02	0.00	12.17	1.13	0.00	0.00	0.02	0.00
12.19	1.11	0.00	0.00	0.02	0.00	12.21	1.08	0.00	0.00	0.02	0.00
12.23	1.05	0.00	0.00	0.02	0.00	12.25	1.03	0.00	0.00	0.02	0.00
12.27	0.99	0.00	0.00	0.02	0.00	12.29	0.91	0.00	0.00	0.02	0.01
12.31	0.87	0.00	0.00	0.02	0.01	12.33	0.84	0.00	0.00	0.02	0.01
12.35	0.84	0.00	0.00	0.02	0.01	12.37	0.84	0.00	0.00	0.02	0.01
12.39	0.81	0.00	0.00	0.02	0.01	12.41	0.80	0.00	0.00	0.02	0.02
12.43	0.79	0.00	0.00	0.02	0.02	12.45	0.80	0.00	0.00	0.02	0.02
12.47	0.82	0.00	0.00	0.02	0.01	12.49	0.81	0.00	0.00	0.02	0.01
12.51	0.83	0.00	0.00	0.02	0.01	12.53	0.83	0.00	0.00	0.02	0.01
12.55	0.82	0.00	0.00	0.02	0.01	12.57	0.79	0.00	0.00	0.02	0.02
12.59	0.77	0.00	0.00	0.02	0.02	12.61	0.78	0.00	0.00	0.02	0.02
12.63	0.78	0.00	0.00	0.02	0.02	12.65	0.79	0.00	0.00	0.02	0.02
12.67	0.79	0.00	0.00	0.02	0.02	12.69	0.80	0.00	0.00	0.02	0.01
12.71	0.82	0.00	0.00	0.02	0.01	12.73	0.82	0.00	0.00	0.02	0.01
12.75	0.81	0.00	0.00	0.02	0.01	12.77	0.82	0.00	0.00	0.02	0.01
12.79	0.84	0.00	0.00	0.02	0.01	12.81	0.85	0.00	0.00	0.02	0.01
12.83	0.86	0.00	0.00	0.02	0.01	12.85	0.86	0.00	0.00	0.02	0.01
12.87	0.91	0.00	0.00	0.02	0.01	12.89	0.97	0.00	0.00	0.02	0.00
12.91	1.03	0.00	0.00	0.02	0.00	12.93	1.02	0.00	0.00	0.02	0.00
12.95	1.00	0.00	0.00	0.02	0.00	12.97	0.99	0.00	0.00	0.02	0.00
12.99	1.00	0.00	0.00	0.02	0.00	13.01	0.98	0.00	0.00	0.02	0.00
13.03	0.94	0.00	0.00	0.02	0.00	13.05	0.93	0.00	0.00	0.02	0.00
13.07	0.93	0.00	0.00	0.02	0.00	13.09	0.95	0.00	0.00	0.02	0.00
13.11	0.96	0.00	0.00	0.02	0.00	13.13	0.98	0.00	0.00	0.02	0.00
13.15	0.95	0.00	0.00	0.02	0.00	13.17	0.88	0.00	0.00	0.02	0.01
13.19	0.83	0.00	0.00	0.02	0.01	13.21	0.82	0.00	0.00	0.02	0.01
13.23	0.82	0.00	0.00	0.02	0.01	13.25	0.81	0.00	0.00	0.02	0.01
13.27	0.81	0.00	0.00	0.02	0.01	13.29	0.83	0.00	0.00	0.02	0.01
13.31	0.86	0.00	0.00	0.02	0.01	13.33	0.87	0.00	0.00	0.02	0.01
13.35	0.88	0.00	0.00	0.02	0.01	13.37	0.88	0.00	0.00	0.02	0.01
13.39	0.89	0.00	0.00	0.02	0.01	13.41	0.87	0.00	0.00	0.02	0.01
13.43	0.85	0.00	0.00	0.02	0.01	13.45	0.82	0.00	0.00	0.02	0.01
13.47	0.82	0.00	0.00	0.02	0.01	13.49	0.82	0.00	0.00	0.02	0.01
13.51	0.82	0.00	0.00	0.02	0.01	13.53	0.84	0.00	0.00	0.02	0.01
13.55	0.84	0.00	0.00	0.02	0.01	13.57	0.85	0.00	0.00	0.02	0.01
13.59	0.83	0.00	0.00	0.02	0.01	13.61	0.87	0.00	0.00	0.02	0.01
13.63	0.91	0.00	0.00	0.02	0.01	13.65	0.92	0.00	0.00	0.02	0.00
13.67	0.92	0.00	0.00	0.02	0.01	13.69	0.90	0.00	0.00	0.02	0.01
13.71	0.89	0.00	0.00	0.02	0.01	13.73	0.88	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.75	0.91	0.00	0.00	0.02	0.01	13.77	0.91	0.00	0.00	0.02	0.01
13.79	0.89	0.00	0.00	0.02	0.01	13.81	0.87	0.00	0.00	0.02	0.01
13.83	0.81	0.00	0.00	0.02	0.01	13.85	0.80	0.00	0.00	0.02	0.01
13.87	0.84	0.00	0.00	0.02	0.01	13.89	0.86	0.00	0.00	0.02	0.01
13.91	0.84	0.00	0.00	0.02	0.01	13.93	0.82	0.00	0.00	0.02	0.01
13.95	0.82	0.00	0.00	0.02	0.01	13.97	0.82	0.00	0.00	0.02	0.01
13.99	0.83	0.00	0.00	0.02	0.01	14.01	0.84	0.00	0.00	0.02	0.01
14.03	0.83	0.00	0.00	0.02	0.01	14.05	0.86	0.00	0.00	0.02	0.01
14.07	0.97	0.00	0.00	0.02	0.00	14.09	1.04	0.00	0.00	0.02	0.00
14.11	1.03	0.00	0.00	0.02	0.00	14.13	0.99	0.00	0.00	0.02	0.00
14.15	0.96	0.00	0.00	0.02	0.00	14.17	2.00	0.00	0.00	0.02	0.00
14.19	2.00	0.00	0.00	0.02	0.00	14.21	2.00	0.00	0.00	0.02	0.00
14.23	0.97	0.00	0.00	0.02	0.00	14.25	1.01	0.00	0.00	0.02	0.00
14.27	1.02	0.00	0.00	0.02	0.00	14.29	0.99	0.00	0.00	0.02	0.00
14.31	0.95	0.00	0.00	0.02	0.00	14.33	0.93	0.00	0.00	0.02	0.00
14.35	0.93	0.00	0.00	0.02	0.00	14.37	0.95	0.00	0.00	0.02	0.00
14.39	0.96	0.00	0.00	0.02	0.00	14.41	0.98	0.00	0.00	0.02	0.00
14.43	1.00	0.00	0.00	0.02	0.00	14.45	1.06	0.00	0.00	0.02	0.00
14.47	1.09	0.00	0.00	0.02	0.00	14.49	1.03	0.00	0.00	0.02	0.00
14.51	0.96	0.00	0.00	0.02	0.00	14.53	0.86	0.00	0.00	0.02	0.01
14.55	0.81	0.00	0.00	0.02	0.01	14.57	0.91	0.00	0.00	0.02	0.00
14.59	0.91	0.00	0.00	0.02	0.00	14.61	0.94	0.00	0.00	0.02	0.00
14.63	0.97	0.00	0.00	0.02	0.00	14.65	0.97	0.00	0.00	0.02	0.00
14.67	0.96	0.00	0.00	0.02	0.00	14.69	0.90	0.00	0.00	0.02	0.01
14.71	0.87	0.00	0.00	0.02	0.01	14.73	0.86	0.00	0.00	0.02	0.01
14.75	0.89	0.00	0.00	0.02	0.01	14.77	0.96	0.00	0.00	0.02	0.00
14.79	0.97	0.00	0.00	0.02	0.00	14.81	0.97	0.00	0.00	0.02	0.00
14.83	0.93	0.00	0.00	0.02	0.00	14.85	0.91	0.00	0.00	0.02	0.00
14.87	0.90	0.00	0.00	0.02	0.00	14.89	0.91	0.00	0.00	0.02	0.00
14.91	0.92	0.00	0.00	0.02	0.00	14.93	0.95	0.00	0.00	0.02	0.00
14.95	0.98	0.00	0.00	0.02	0.00	14.97	0.98	0.00	0.00	0.02	0.00
14.99	0.96	0.00	0.00	0.02	0.00	15.01	0.94	0.00	0.00	0.02	0.00
15.03	0.94	0.00	0.00	0.02	0.00	15.05	0.96	0.00	0.00	0.02	0.00
15.07	0.99	0.00	0.00	0.02	0.00	15.09	1.06	0.00	0.00	0.02	0.00
15.11	1.15	0.00	0.00	0.02	0.00	15.13	1.27	0.00	0.00	0.02	0.00
15.15	1.35	0.00	0.00	0.02	0.00	15.17	1.33	0.00	0.00	0.02	0.00
15.19	1.48	0.00	0.00	0.02	0.00	15.21	1.63	0.00	0.00	0.02	0.00
15.23	1.79	0.00	0.00	0.02	0.00	15.25	1.88	0.00	0.00	0.02	0.00
15.27	1.75	0.00	0.00	0.02	0.00	15.29	1.56	0.00	0.00	0.02	0.00
15.31	1.42	0.00	0.00	0.02	0.00	15.33	1.42	0.00	0.00	0.02	0.00
15.35	1.45	0.00	0.00	0.02	0.00	15.37	1.44	0.00	0.00	0.02	0.00
15.39	1.46	0.00	0.00	0.02	0.00	15.41	1.47	0.00	0.00	0.02	0.00
15.43	1.46	0.00	0.00	0.02	0.00	15.45	1.38	0.00	0.00	0.02	0.00
15.47	1.44	0.00	0.00	0.02	0.00	15.49	1.50	0.00	0.00	0.02	0.00
15.51	1.71	0.00	0.00	0.02	0.00	15.53	2.00	0.00	0.00	0.02	0.00
15.55	1.88	0.00	0.00	0.02	0.00	15.57	1.91	0.00	0.00	0.02	0.00
15.59	1.99	0.00	0.00	0.02	0.00	15.61	2.00	0.00	0.00	0.02	0.00
15.63	1.83	0.00	0.00	0.02	0.00	15.65	1.58	0.00	0.00	0.02	0.00
15.67	1.43	0.00	0.00	0.02	0.00	15.69	1.41	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
15.71	1.47	0.00	0.00	0.02	0.00	15.73	1.61	0.00	0.00	0.02	0.00
15.75	1.68	0.00	0.00	0.02	0.00	15.77	1.65	0.00	0.00	0.02	0.00
15.79	1.59	0.00	0.00	0.02	0.00	15.81	1.73	0.00	0.00	0.02	0.00
15.83	1.83	0.00	0.00	0.02	0.00	15.85	1.87	0.00	0.00	0.02	0.00
15.87	1.79	0.00	0.00	0.02	0.00	15.89	1.77	0.00	0.00	0.02	0.00
15.91	1.77	0.00	0.00	0.02	0.00	15.93	1.77	0.00	0.00	0.02	0.00
15.95	2.00	0.00	0.00	0.02	0.00	15.97	2.00	0.00	0.00	0.02	0.00
15.99	2.00	0.00	0.00	0.02	0.00	16.01	1.98	0.00	0.00	0.02	0.00
16.03	1.71	0.00	0.00	0.02	0.00	16.05	1.41	0.00	0.00	0.02	0.00
16.07	1.25	0.00	0.00	0.02	0.00	16.09	1.15	0.00	0.00	0.02	0.00
16.11	1.14	0.00	0.00	0.02	0.00	16.13	1.14	0.00	0.00	0.02	0.00
16.15	1.12	0.00	0.00	0.02	0.00	16.17	1.00	0.00	0.00	0.02	0.00
16.19	1.00	0.00	0.00	0.02	0.00	16.21	1.00	0.00	0.00	0.02	0.00
16.23	1.02	0.00	0.00	0.02	0.00	16.25	1.04	0.00	0.00	0.02	0.00
16.27	1.04	0.00	0.00	0.02	0.00	16.29	1.01	0.00	0.00	0.02	0.00
16.31	0.93	0.00	0.00	0.02	0.00	16.33	0.89	0.00	0.00	0.02	0.00
16.35	0.90	0.00	0.00	0.02	0.00	16.37	0.86	0.00	0.00	0.02	0.01
16.39	0.85	0.00	0.00	0.02	0.01	16.41	0.86	0.00	0.00	0.02	0.01
16.43	0.89	0.00	0.00	0.02	0.00	16.45	0.90	0.00	0.00	0.02	0.00
16.47	0.91	0.00	0.00	0.02	0.00	16.49	0.90	0.00	0.00	0.02	0.00
16.51	0.90	0.00	0.00	0.02	0.00	16.53	0.91	0.00	0.00	0.02	0.00
16.55	0.90	0.00	0.00	0.02	0.00	16.57	0.90	0.00	0.00	0.02	0.00
16.59	0.88	0.00	0.00	0.02	0.00	16.61	0.87	0.00	0.00	0.02	0.00
16.63	0.89	0.00	0.00	0.02	0.00	16.65	0.88	0.00	0.00	0.02	0.00
16.67	0.92	0.00	0.00	0.02	0.00	16.69	0.95	0.00	0.00	0.02	0.00
16.71	0.97	0.00	0.00	0.02	0.00	16.73	0.97	0.00	0.00	0.02	0.00
16.75	0.97	0.00	0.00	0.02	0.00	16.77	0.94	0.00	0.00	0.02	0.00
16.79	0.98	0.00	0.00	0.02	0.00	16.81	0.99	0.00	0.00	0.02	0.00
16.83	1.00	0.00	0.00	0.02	0.00	16.85	1.02	0.00	0.00	0.02	0.00
16.87	1.07	0.00	0.00	0.02	0.00	16.89	1.14	0.00	0.00	0.02	0.00
16.91	1.21	0.00	0.00	0.02	0.00	16.93	1.20	0.00	0.00	0.02	0.00
16.95	1.12	0.00	0.00	0.02	0.00	16.97	1.07	0.00	0.00	0.02	0.00
16.99	1.02	0.00	0.00	0.02	0.00	17.01	0.99	0.00	0.00	0.02	0.00
17.03	0.96	0.00	0.00	0.02	0.00	17.05	0.95	0.00	0.00	0.02	0.00
17.07	0.94	0.00	0.00	0.02	0.00	17.09	0.94	0.00	0.00	0.02	0.00
17.11	0.94	0.00	0.00	0.02	0.00	17.13	0.96	0.00	0.00	0.02	0.00
17.15	0.99	0.00	0.00	0.02	0.00	17.17	1.04	0.00	0.00	0.02	0.00
17.19	1.13	0.00	0.00	0.02	0.00	17.21	1.27	0.00	0.00	0.02	0.00
17.23	1.40	0.00	0.00	0.02	0.00	17.25	1.45	0.00	0.00	0.02	0.00
17.27	1.45	0.00	0.00	0.02	0.00	17.29	1.40	0.00	0.00	0.02	0.00
17.31	1.40	0.00	0.00	0.02	0.00	17.33	1.49	0.00	0.00	0.02	0.00
17.35	1.57	0.00	0.00	0.02	0.00	17.37	1.62	0.00	0.00	0.02	0.00
17.39	1.63	0.00	0.00	0.02	0.00	17.41	1.46	0.00	0.00	0.02	0.00
17.43	1.35	0.00	0.00	0.02	0.00	17.45	1.24	0.00	0.00	0.02	0.00
17.47	1.20	0.00	0.00	0.02	0.00	17.49	1.19	0.00	0.00	0.02	0.00
17.51	1.20	0.00	0.00	0.02	0.00	17.53	1.21	0.00	0.00	0.02	0.00
17.55	1.16	0.00	0.00	0.02	0.00	17.57	1.07	0.00	0.00	0.02	0.00
17.59	1.01	0.00	0.00	0.02	0.00	17.61	0.98	0.00	0.00	0.02	0.00
17.63	0.99	0.00	0.00	0.02	0.00	17.65	1.02	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
17.67	1.06	0.00	0.00	0.02	0.00	17.69	1.14	0.00	0.00	0.02	0.00
17.71	1.17	0.00	0.00	0.02	0.00	17.73	1.19	0.00	0.00	0.02	0.00
17.75	1.19	0.00	0.00	0.02	0.00	17.77	1.19	0.00	0.00	0.02	0.00
17.79	1.20	0.00	0.00	0.02	0.00	17.81	1.24	0.00	0.00	0.02	0.00
17.83	1.23	0.00	0.00	0.02	0.00	17.85	1.22	0.00	0.00	0.02	0.00
17.87	1.19	0.00	0.00	0.02	0.00	17.89	1.09	0.00	0.00	0.02	0.00
17.91	1.03	0.00	0.00	0.02	0.00	17.93	0.99	0.00	0.00	0.02	0.00
17.95	0.98	0.00	0.00	0.02	0.00	17.97	0.98	0.00	0.00	0.02	0.00
17.99	0.97	0.00	0.00	0.02	0.00	18.01	0.97	0.00	0.00	0.02	0.00
18.03	0.97	0.00	0.00	0.02	0.00	18.05	1.01	0.00	0.00	0.02	0.00
18.07	1.05	0.00	0.00	0.02	0.00	18.09	1.18	0.00	0.00	0.02	0.00
18.11	1.39	0.00	0.00	0.02	0.00	18.13	1.69	0.00	0.00	0.02	0.00
18.15	1.93	0.00	0.00	0.02	0.00	18.17	2.00	0.00	0.00	0.02	0.00
18.19	2.00	0.00	0.00	0.02	0.00	18.21	2.00	0.00	0.00	0.02	0.00
18.23	2.00	0.00	0.00	0.02	0.00	18.25	1.89	0.00	0.00	0.02	0.00
18.27	1.80	0.00	0.00	0.02	0.00	18.29	1.59	0.00	0.00	0.02	0.00
18.31	1.48	0.00	0.00	0.02	0.00	18.33	1.40	0.00	0.00	0.02	0.00
18.35	1.31	0.00	0.00	0.02	0.00	18.37	1.20	0.00	0.00	0.02	0.00
18.39	1.12	0.00	0.00	0.02	0.00	18.41	1.08	0.00	0.00	0.02	0.00
18.43	1.07	0.00	0.00	0.02	0.00	18.45	1.10	0.00	0.00	0.02	0.00
18.47	1.17	0.00	0.00	0.02	0.00	18.49	1.28	0.00	0.00	0.02	0.00
18.51	1.32	0.00	0.00	0.02	0.00	18.53	1.34	0.00	0.00	0.02	0.00
18.55	1.40	0.00	0.00	0.02	0.00	18.57	1.49	0.00	0.00	0.02	0.00
18.59	1.53	0.00	0.00	0.02	0.00	18.61	1.61	0.00	0.00	0.02	0.00
18.63	1.78	0.00	0.00	0.02	0.00	18.65	1.97	0.00	0.00	0.02	0.00
18.67	1.96	0.00	0.00	0.02	0.00	18.69	1.87	0.00	0.00	0.02	0.00
18.71	1.60	0.00	0.00	0.02	0.00	18.73	1.48	0.00	0.00	0.02	0.00
18.75	1.39	0.00	0.00	0.02	0.00	18.77	1.21	0.00	0.00	0.02	0.00
18.79	1.21	0.00	0.00	0.02	0.00	18.81	1.19	0.00	0.00	0.02	0.00
18.83	1.21	0.00	0.00	0.02	0.00	18.85	1.28	0.00	0.00	0.02	0.00
18.87	1.35	0.00	0.00	0.02	0.00	18.89	1.41	0.00	0.00	0.02	0.00
18.91	1.42	0.00	0.00	0.02	0.00	18.93	1.44	0.00	0.00	0.02	0.00
18.95	1.43	0.00	0.00	0.02	0.00	18.97	1.34	0.00	0.00	0.02	0.00
18.99	1.24	0.00	0.00	0.02	0.00	19.01	1.19	0.00	0.00	0.02	0.00
19.03	1.18	0.00	0.00	0.02	0.00	19.05	1.20	0.00	0.00	0.02	0.00
19.07	1.25	0.00	0.00	0.02	0.00	19.09	1.33	0.00	0.00	0.02	0.00
19.11	1.43	0.00	0.00	0.02	0.00	19.13	1.52	0.00	0.00	0.02	0.00
19.15	1.55	0.00	0.00	0.02	0.00	19.17	1.50	0.00	0.00	0.02	0.00
19.19	1.49	0.00	0.00	0.02	0.00	19.21	1.54	0.00	0.00	0.02	0.00
19.23	1.56	0.00	0.00	0.02	0.00	19.25	1.46	0.00	0.00	0.02	0.00
19.27	1.29	0.00	0.00	0.02	0.00	19.29	1.19	0.00	0.00	0.02	0.00
19.31	1.15	0.00	0.00	0.02	0.00	19.33	1.14	0.00	0.00	0.02	0.00
19.35	1.15	0.00	0.00	0.02	0.00	19.37	1.19	0.00	0.00	0.02	0.00
19.39	1.24	0.00	0.00	0.02	0.00	19.41	1.34	0.00	0.00	0.02	0.00
19.43	1.48	0.00	0.00	0.02	0.00	19.45	1.65	0.00	0.00	0.02	0.00
19.47	1.95	0.00	0.00	0.02	0.00	19.49	2.00	0.00	0.00	0.02	0.00
19.51	2.00	0.00	0.00	0.02	0.00	19.53	2.00	0.00	0.00	0.02	0.00
19.55	2.00	0.00	0.00	0.02	0.00	19.57	2.00	0.00	0.00	0.02	0.00
19.59	1.94	0.00	0.00	0.02	0.00	19.61	1.86	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
19.63	1.80	0.00	0.00	0.02	0.00	19.65	1.66	0.00	0.00	0.02	0.00
19.67	1.50	0.00	0.00	0.02	0.00	19.69	1.44	0.00	0.00	0.02	0.00
19.71	1.43	0.00	0.00	0.02	0.00	19.73	1.44	0.00	0.00	0.02	0.00
19.75	1.45	0.00	0.00	0.02	0.00	19.77	1.38	0.00	0.00	0.02	0.00
19.79	1.47	0.00	0.00	0.02	0.00	19.81	1.56	0.00	0.00	0.02	0.00
19.83	1.60	0.00	0.00	0.02	0.00	19.85	1.50	0.00	0.00	0.02	0.00
19.87	1.40	0.00	0.00	0.02	0.00	19.89	1.35	0.00	0.00	0.02	0.00
19.91	1.33	0.00	0.00	0.02	0.00	19.93	1.31	0.00	0.00	0.02	0.00
19.95	1.31	0.00	0.00	0.02	0.00	19.97	1.31	0.00	0.00	0.02	0.00
19.99	1.34	0.00	0.00	0.02	0.00						

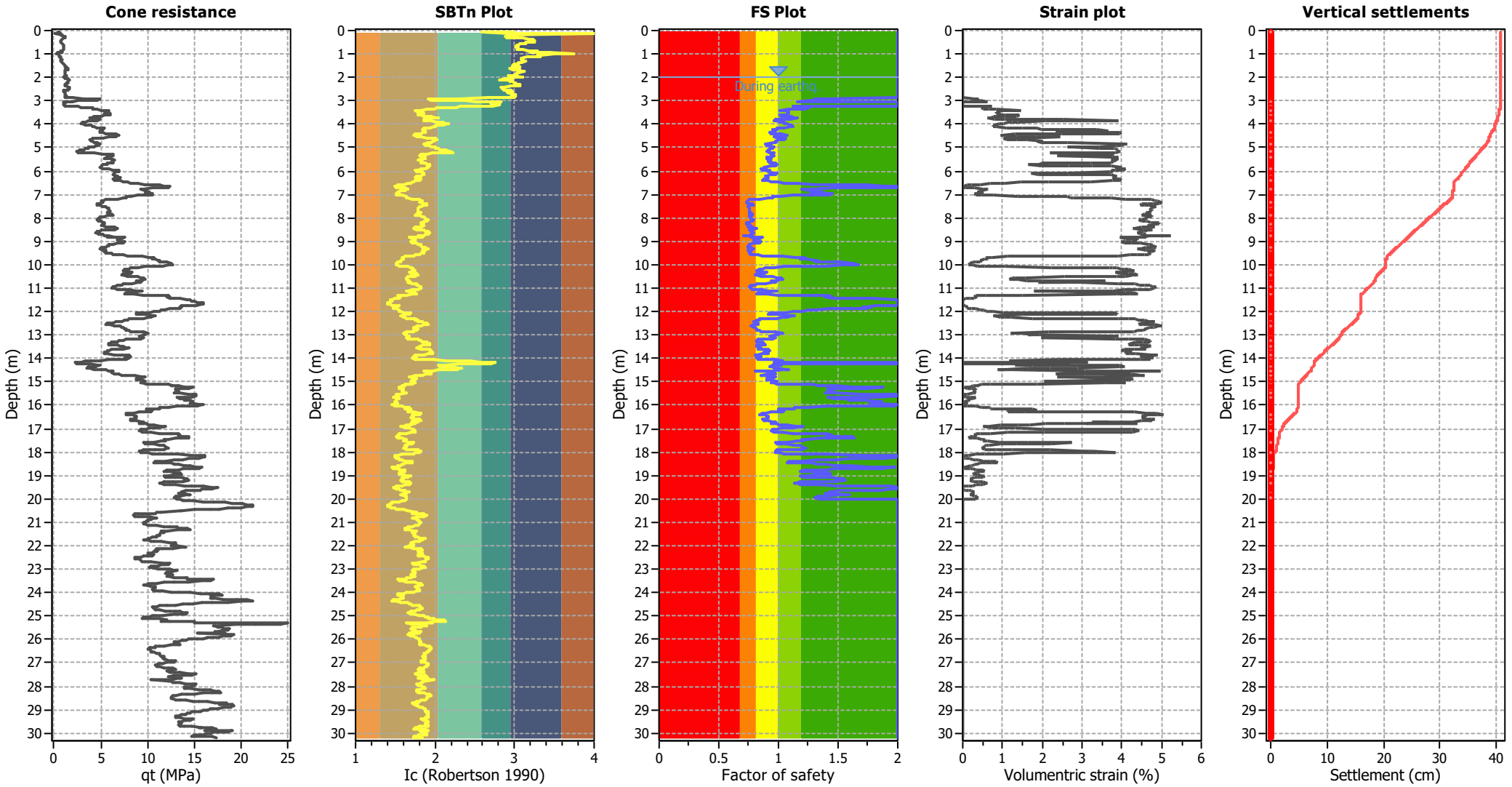
Overall liquefaction potential: 6.09

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.06	2.99	7.54	8.68	65.47	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.08	2.58	8.54	3.62	30.96	8	12095	0.10	0.001	0.00	3.58	0.00	0.000
0.10	2.91	10.09	7.43	74.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.12	2.89	11.89	7.12	84.58	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.14	4.06	1.57	54.25	85.13	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.16	2.93	13.65	7.72	105.37	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.18	3.02	12.57	9.06	113.89	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.20	3.04	13.29	9.42	125.28	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.22	2.92	16.60	7.53	124.97	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.24	2.88	19.10	6.99	133.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.26	2.88	20.36	6.93	141.03	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.28	2.91	20.76	7.34	152.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.30	2.98	19.74	8.41	166.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.32	3.04	18.47	9.50	175.48	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.34	3.10	17.33	10.57	183.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.36	3.17	15.73	12.13	190.82	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.38	3.22	14.41	13.19	190.07	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.40	3.23	13.68	13.52	184.96	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.42	3.24	12.88	13.74	177.00	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.44	3.24	12.44	13.63	169.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.46	3.24	11.82	13.76	162.74	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.48	3.25	11.50	13.90	159.78	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.50	3.21	11.86	12.92	153.27	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.52	3.15	12.70	11.59	147.24	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.54	3.13	13.25	11.28	149.38	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	3.09	14.37	10.41	149.64	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.07	15.16	10.08	152.81	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.05	15.95	9.67	154.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	3.03	16.77	9.34	156.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	3.04	16.86	9.50	160.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	3.04	17.08	9.45	161.49	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	3.02	17.47	9.20	160.71	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	3.01	17.89	8.94	160.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	3.04	17.80	9.45	168.22	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	3.04	17.84	9.45	168.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	3.04	17.84	9.48	169.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	3.04	17.87	9.43	168.42	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	3.06	17.48	9.91	173.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	3.11	16.44	10.73	176.36	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	3.17	15.28	12.09	184.81	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	3.17	14.91	12.06	179.81	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	3.16	14.99	11.90	178.38	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	3.29	12.05	14.82	178.52	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.92	3.19	13.19	12.47	164.42	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	3.24	11.42	13.58	155.10	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.96	3.43	7.67	19.12	146.64	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.98	3.74	4.34	32.08	139.13	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.00	3.71	4.64	30.40	141.16	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.02	3.50	6.48	21.28	137.98	0	0	0.10	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.04	3.32	8.08	15.84	128.04	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.06	3.28	8.36	14.70	122.92	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.08	3.32	7.94	15.72	124.82	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.10	3.33	7.92	15.91	125.99	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.12	3.27	8.83	14.45	127.59	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.14	3.17	10.45	11.99	125.35	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.16	3.09	11.92	10.47	124.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	3.08	12.35	10.16	125.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	3.08	12.38	10.19	126.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	3.08	12.75	10.31	131.46	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	3.10	12.91	10.56	136.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	3.10	13.40	10.55	141.39	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	3.13	12.94	11.23	145.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	3.14	12.44	11.51	143.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.32	3.13	12.49	11.31	141.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	3.09	13.78	10.39	143.27	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	3.05	14.96	9.63	144.10	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	3.04	15.37	9.54	146.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	3.04	15.75	9.51	149.73	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.42	3.02	16.67	9.12	152.14	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.44	3.01	17.06	8.93	152.30	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.46	3.00	17.38	8.73	151.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.48	2.97	18.32	8.27	151.54	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.50	3.05	18.43	9.67	178.28	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.52	3.06	18.42	9.80	180.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	3.06	18.54	9.93	184.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.98	21.23	8.53	181.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.98	21.64	8.48	183.44	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.95	23.15	7.99	185.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.94	24.12	7.74	186.70	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.94	24.46	7.74	189.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.97	23.51	8.29	194.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	3.02	21.96	9.13	200.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	3.07	20.23	10.00	202.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	3.09	19.27	10.43	201.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	3.12	18.33	11.04	202.37	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	3.12	18.38	11.01	202.30	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	3.05	18.56	9.75	181.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	3.02	18.55	9.21	170.92	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	3.03	18.55	9.28	172.20	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.84	3.02	19.30	9.05	174.74	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.86	3.01	19.19	8.89	170.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	3.03	18.94	9.27	175.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.98	20.06	8.51	170.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.92	22.38	7.51	168.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	3.00	19.28	8.82	170.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	3.08	16.81	10.26	172.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.98	3.11	16.09	10.79	173.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
2.00	3.03	18.09	9.24	167.16	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	19.71	2.00	0.00	1.00	0.00	2.04	19.71	2.00	0.00	1.00	0.00
2.06	22.48	2.00	0.00	1.00	0.00	2.08	23.64	2.00	0.00	1.00	0.00
2.10	26.78	2.00	0.00	1.00	0.00	2.12	26.07	2.00	0.00	1.00	0.00
2.14	24.78	2.00	0.00	1.00	0.00	2.16	24.36	2.00	0.00	1.00	0.00
2.18	24.58	2.00	0.00	1.00	0.00	2.20	23.59	2.00	0.00	1.00	0.00
2.22	23.46	2.00	0.00	1.00	0.00	2.24	22.99	2.00	0.00	1.00	0.00
2.26	22.06	2.00	0.00	1.00	0.00	2.28	21.54	2.00	0.00	1.00	0.00
2.30	20.65	2.00	0.00	1.00	0.00	2.32	19.31	2.00	0.00	1.00	0.00
2.34	18.37	2.00	0.00	1.00	0.00	2.36	18.54	2.00	0.00	1.00	0.00
2.38	20.51	2.00	0.00	1.00	0.00	2.40	23.24	2.00	0.00	1.00	0.00
2.42	25.00	2.00	0.00	1.00	0.00	2.44	25.19	2.00	0.00	1.00	0.00
2.46	24.91	2.00	0.00	1.00	0.00	2.48	26.17	2.00	0.00	1.00	0.00
2.50	26.30	2.00	0.00	1.00	0.00	2.52	24.91	2.00	0.00	1.00	0.00
2.54	21.08	2.00	0.00	1.00	0.00	2.56	17.96	2.00	0.00	1.00	0.00
2.58	17.38	2.00	0.00	1.00	0.00	2.60	17.00	2.00	0.00	1.00	0.00
2.62	17.06	2.00	0.00	1.00	0.00	2.64	17.94	2.00	0.00	1.00	0.00
2.66	18.41	2.00	0.00	1.00	0.00	2.67	18.30	2.00	0.00	1.00	0.00
2.69	18.79	2.00	0.00	1.00	0.00	2.71	17.76	2.00	0.00	1.00	0.00
2.73	18.31	2.00	0.00	1.00	0.00	2.75	19.09	2.00	0.00	1.00	0.00
2.77	20.51	2.00	0.00	1.00	0.00	2.79	19.93	2.00	0.00	1.00	0.00
2.81	19.52	2.00	0.00	1.00	0.00	2.83	18.78	2.00	0.00	1.00	0.00
2.85	19.78	2.00	0.00	1.00	0.00	2.87	29.23	2.00	0.00	1.00	0.00
2.89	104.82	1.42	0.29	1.00	0.01	2.91	108.54	1.49	0.24	1.00	0.00
2.93	99.02	1.31	0.38	1.00	0.01	2.95	100.46	1.33	0.37	1.00	0.01
2.97	102.57	1.36	0.34	1.00	0.01	2.99	97.04	1.27	0.43	1.00	0.01
3.01	89.00	1.15	0.61	1.00	0.01	3.03	25.93	2.00	0.00	1.00	0.00
3.05	17.95	2.00	0.00	1.00	0.00	3.07	17.13	2.00	0.00	1.00	0.00
3.09	17.36	2.00	0.00	1.00	0.00	3.11	16.66	2.00	0.00	1.00	0.00
3.13	18.26	2.00	0.00	1.00	0.00	3.15	16.77	2.00	0.00	1.00	0.00
3.17	16.53	2.00	0.00	1.00	0.00	3.19	15.85	2.00	0.00	1.00	0.00
3.21	18.56	2.00	0.00	1.00	0.00	3.23	88.84	1.12	0.71	1.00	0.01
3.25	93.69	1.18	0.58	1.00	0.01	3.27	95.70	1.21	0.53	1.00	0.01
3.29	99.12	1.25	0.47	1.00	0.01	3.31	99.19	1.25	0.47	1.00	0.01
3.33	97.39	1.22	0.51	1.00	0.01	3.35	92.56	1.15	0.64	1.00	0.01
3.37	87.68	1.09	0.83	1.00	0.02	3.39	80.89	1.01	1.47	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.41	83.17	1.04	1.19	1.00	0.02	3.43	87.57	1.08	0.87	1.00	0.02
3.45	86.85	1.07	0.93	1.00	0.02	3.47	86.69	1.07	0.95	1.00	0.02
3.49	88.76	1.09	0.85	1.00	0.02	3.51	89.04	1.09	0.84	1.00	0.02
3.53	87.65	1.07	0.93	1.00	0.02	3.55	88.20	1.08	0.91	1.00	0.02
3.57	87.78	1.07	0.94	1.00	0.02	3.59	87.89	1.07	0.95	1.00	0.02
3.61	86.28	1.05	1.08	1.00	0.02	3.63	83.39	1.02	1.42	1.00	0.03
3.65	83.91	1.02	1.37	1.00	0.03	3.67	86.90	1.05	1.07	1.00	0.02
3.69	92.13	1.11	0.78	1.00	0.02	3.71	93.84	1.13	0.72	1.00	0.01
3.73	95.62	1.15	0.66	1.00	0.01	3.75	96.58	1.16	0.64	1.00	0.01
3.77	91.88	1.10	0.82	1.00	0.02	3.79	88.05	1.05	1.06	1.00	0.02
3.81	80.76	0.97	2.52	1.00	0.05	3.83	79.16	0.96	3.93	1.00	0.08
3.85	80.01	0.96	3.20	1.00	0.06	3.87	82.26	0.98	2.08	1.00	0.04
3.89	85.69	1.02	1.38	1.00	0.03	3.91	87.11	1.03	1.23	1.00	0.02
3.93	88.78	1.05	1.09	1.00	0.02	3.95	89.15	1.05	1.07	1.00	0.02
3.97	89.74	1.06	1.04	1.00	0.02	3.99	91.78	1.08	0.92	1.00	0.02
4.01	93.83	1.10	0.82	1.00	0.02	4.03	94.74	1.11	0.79	1.00	0.02
4.05	95.07	1.12	0.78	1.00	0.02	4.07	95.86	1.12	0.75	1.00	0.01
4.09	95.52	1.12	0.77	1.00	0.02	4.11	94.04	1.10	0.84	1.00	0.02
4.13	90.08	1.05	1.09	1.00	0.02	4.15	86.69	1.01	1.48	1.00	0.03
4.17	84.86	0.99	1.87	1.00	0.04	4.19	84.93	0.99	1.88	1.00	0.04
4.21	84.74	0.99	1.96	1.00	0.04	4.23	83.47	0.97	2.46	1.00	0.05
4.25	82.13	0.96	3.38	1.00	0.07	4.27	81.92	0.95	3.67	1.00	0.07
4.29	83.37	0.97	2.66	1.00	0.05	4.31	84.17	0.97	2.33	1.00	0.05
4.33	83.50	0.97	2.70	1.00	0.05	4.35	81.36	0.94	3.94	1.00	0.08
4.37	80.29	0.93	4.00	1.00	0.08	4.39	81.12	0.94	3.96	1.00	0.08
4.41	84.31	0.97	2.48	1.00	0.05	4.43	89.52	1.02	1.31	1.00	0.03
4.45	93.50	1.07	0.98	1.00	0.02	4.47	94.17	1.07	0.95	1.00	0.02
4.49	92.43	1.05	1.07	1.00	0.02	4.51	89.68	1.02	1.34	1.00	0.03
4.53	86.77	0.99	1.85	1.00	0.04	4.55	84.98	0.97	2.46	1.00	0.05
4.57	88.61	1.00	1.53	1.00	0.03	4.59	91.19	1.03	1.22	1.00	0.02
4.61	93.45	1.06	1.04	1.00	0.02	4.63	92.58	1.05	1.11	1.00	0.02
4.65	90.32	1.02	1.34	1.00	0.03	4.67	88.49	1.00	1.62	1.00	0.03
4.69	86.84	0.98	2.01	1.00	0.04	4.71	87.02	0.98	1.98	1.00	0.04
4.73	87.07	0.98	1.99	1.00	0.04	4.75	87.68	0.99	1.86	1.00	0.04
4.77	87.34	0.98	1.96	1.00	0.04	4.79	87.42	0.98	1.96	1.00	0.04
4.81	85.68	0.96	2.62	1.00	0.05	4.83	77.77	0.89	4.12	1.00	0.08
4.85	78.31	0.89	4.09	1.00	0.08	4.87	78.90	0.90	4.06	1.00	0.08
4.89	80.43	0.91	3.99	1.00	0.08	4.91	82.87	0.93	3.87	1.00	0.08
4.93	83.75	0.94	3.83	1.00	0.08	4.95	84.94	0.95	3.42	1.00	0.07
4.97	86.20	0.96	2.64	1.00	0.05	4.99	85.99	0.96	2.79	1.00	0.06
5.01	85.11	0.95	3.45	1.00	0.07	5.03	84.19	0.94	3.82	1.00	0.08
5.05	83.28	0.93	3.86	1.00	0.08	5.07	82.76	0.92	3.88	1.00	0.08
5.09	82.44	0.92	3.89	1.00	0.08	5.11	82.19	0.92	3.91	1.00	0.08
5.13	81.62	0.91	3.93	1.00	0.08	5.15	81.26	0.90	3.95	1.00	0.08
5.17	81.19	0.90	3.95	1.00	0.08	5.19	83.84	0.93	3.83	1.00	0.08
5.21	86.21	0.95	3.10	1.00	0.06	5.23	86.95	0.96	2.70	1.00	0.05
5.25	88.22	0.97	2.20	1.00	0.04	5.27	85.60	0.94	3.75	1.00	0.07
5.29	85.02	0.94	3.78	1.00	0.08	5.31	84.91	0.93	3.78	1.00	0.08
5.33	84.93	0.93	3.78	1.00	0.08	5.35	85.76	0.94	3.75	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.37	88.04	0.96	2.38	1.00	0.05	5.39	85.16	0.93	3.77	1.00	0.08
5.41	83.72	0.92	3.84	1.00	0.08	5.43	82.06	0.90	3.91	1.00	0.08
5.45	85.83	0.94	3.74	1.00	0.07	5.47	85.18	0.93	3.77	1.00	0.08
5.49	82.39	0.90	3.90	1.00	0.08	5.51	83.20	0.91	3.86	1.00	0.08
5.53	83.29	0.91	3.86	1.00	0.08	5.55	83.32	0.91	3.85	1.00	0.08
5.57	84.10	0.92	3.82	1.00	0.08	5.59	86.19	0.94	3.73	1.00	0.07
5.61	85.61	0.93	3.75	1.00	0.07	5.63	85.79	0.93	3.75	1.00	0.07
5.65	87.08	0.94	3.22	1.00	0.06	5.67	89.94	0.97	1.99	1.00	0.04
5.69	90.19	0.98	1.94	1.00	0.04	5.71	89.40	0.97	2.17	1.00	0.04
5.73	91.69	0.99	1.64	1.00	0.03	5.75	90.11	0.97	1.99	1.00	0.04
5.77	88.20	0.95	2.68	1.00	0.05	5.79	87.27	0.94	3.27	1.00	0.07
5.81	86.31	0.93	3.72	1.00	0.07	5.83	80.56	0.88	3.98	1.00	0.08
5.85	80.77	0.88	3.97	1.00	0.08	5.87	83.71	0.91	3.84	1.00	0.08
5.89	82.35	0.89	3.90	1.00	0.08	5.91	80.15	0.87	4.00	1.00	0.08
5.93	77.88	0.85	4.11	1.00	0.08	5.95	79.39	0.87	4.04	1.00	0.08
5.97	83.31	0.90	3.85	1.00	0.08	5.99	86.55	0.93	3.71	1.00	0.07
6.01	85.68	0.92	3.75	1.00	0.07	6.03	84.88	0.91	3.79	1.00	0.08
6.05	86.59	0.93	3.71	1.00	0.07	6.07	88.80	0.95	2.64	1.00	0.05
6.09	91.26	0.98	1.86	1.00	0.04	6.11	91.88	0.98	1.73	1.00	0.03
6.13	91.14	0.98	1.90	1.00	0.04	6.15	88.87	0.95	2.66	1.00	0.05
6.17	85.91	0.92	3.74	1.00	0.07	6.19	83.69	0.90	3.84	1.00	0.08
6.21	82.60	0.89	3.89	1.00	0.08	6.23	83.61	0.90	3.84	1.00	0.08
6.25	84.61	0.91	3.80	1.00	0.08	6.27	85.64	0.92	3.75	1.00	0.07
6.29	85.57	0.92	3.76	1.00	0.07	6.31	83.64	0.90	3.84	1.00	0.08
6.33	80.92	0.87	3.97	1.00	0.08	6.35	80.96	0.87	3.96	1.00	0.08
6.37	81.31	0.88	3.95	1.00	0.08	6.39	80.31	0.87	3.99	1.00	0.08
6.41	81.05	0.87	3.96	1.00	0.08	6.43	85.52	0.91	3.76	1.00	0.07
6.45	88.25	0.94	3.24	1.00	0.06	6.47	90.61	0.96	2.15	1.00	0.04
6.49	93.96	1.00	1.48	1.00	0.03	6.51	97.98	1.05	1.08	1.00	0.02
6.53	100.07	1.08	0.94	1.00	0.02	6.55	105.95	1.16	0.68	1.00	0.01
6.57	114.27	1.31	0.44	1.00	0.01	6.59	123.92	1.54	0.23	1.00	0.00
6.61	129.98	1.73	0.12	1.00	0.00	6.63	134.29	1.90	0.04	1.00	0.00
6.65	138.18	2.00	0.00	1.00	0.00	6.67	140.99	2.00	0.00	1.00	0.00
6.69	140.06	2.00	0.00	1.00	0.00	6.71	133.38	1.86	0.06	1.00	0.00
6.73	121.42	1.47	0.28	1.00	0.01	6.75	112.00	1.27	0.50	1.00	0.01
6.77	108.16	1.20	0.61	1.00	0.01	6.79	107.83	1.19	0.62	1.00	0.01
6.81	112.80	1.28	0.48	1.00	0.01	6.83	114.85	1.32	0.43	1.00	0.01
6.85	114.41	1.31	0.44	1.00	0.01	6.87	112.04	1.27	0.50	1.00	0.01
6.89	117.43	1.38	0.37	1.00	0.01	6.91	116.20	1.35	0.40	1.00	0.01
6.93	112.98	1.28	0.47	1.00	0.01	6.94	112.19	1.27	0.50	1.00	0.01
6.96	115.02	1.32	0.42	1.00	0.01	6.98	120.41	1.45	0.30	1.00	0.01
7.00	119.54	1.42	0.32	1.00	0.01	7.02	112.55	1.27	0.49	1.00	0.01
7.04	103.75	1.12	0.78	1.00	0.02	7.06	95.13	1.01	1.39	1.00	0.03
7.08	91.87	0.97	1.94	1.00	0.04	7.10	89.81	0.95	2.63	1.00	0.05
7.12	89.68	0.95	2.69	1.00	0.05	7.14	89.52	0.95	2.78	1.00	0.06
7.16	85.72	0.91	3.75	1.00	0.07	7.18	78.07	0.84	4.10	1.00	0.08
7.20	70.71	0.78	4.51	1.00	0.09	7.22	66.52	0.76	4.77	1.00	0.10
7.24	65.65	0.75	4.83	1.00	0.10	7.26	65.14	0.75	4.86	1.00	0.10
7.28	64.71	0.74	4.89	1.00	0.10	7.30	63.72	0.74	4.96	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.32	63.34	0.73	4.99	1.00	0.10	7.34	63.18	0.73	5.00	1.00	0.10
7.36	64.18	0.74	4.93	1.00	0.10	7.38	66.17	0.75	4.79	1.00	0.10
7.40	68.40	0.77	4.65	1.00	0.09	7.42	70.68	0.78	4.51	1.00	0.09
7.44	71.48	0.79	4.46	1.00	0.09	7.46	69.60	0.77	4.57	1.00	0.09
7.48	67.61	0.76	4.70	1.00	0.09	7.50	65.76	0.75	4.82	1.00	0.10
7.52	64.81	0.74	4.88	1.00	0.10	7.54	65.48	0.75	4.84	1.00	0.10
7.56	66.50	0.75	4.77	1.00	0.10	7.58	67.24	0.76	4.72	1.00	0.09
7.60	67.20	0.76	4.72	1.00	0.09	7.62	67.22	0.76	4.72	1.00	0.09
7.64	67.21	0.76	4.72	1.00	0.09	7.66	66.94	0.76	4.74	1.00	0.09
7.68	66.97	0.76	4.74	1.00	0.09	7.70	67.51	0.76	4.70	1.00	0.09
7.72	67.85	0.76	4.68	1.00	0.09	7.74	67.19	0.76	4.72	1.00	0.09
7.76	67.16	0.76	4.73	1.00	0.09	7.78	69.05	0.77	4.61	1.00	0.09
7.80	67.40	0.76	4.71	1.00	0.09	7.82	68.84	0.77	4.62	1.00	0.09
7.84	69.88	0.77	4.56	1.00	0.09	7.86	71.03	0.78	4.49	1.00	0.09
7.88	69.00	0.77	4.61	1.00	0.09	7.90	66.73	0.75	4.75	1.00	0.09
7.92	66.87	0.75	4.75	1.00	0.09	7.94	68.52	0.77	4.64	1.00	0.09
7.96	68.75	0.77	4.63	1.00	0.09	7.98	68.20	0.76	4.66	1.00	0.09
8.00	68.40	0.76	4.65	1.00	0.09	8.02	69.68	0.77	4.57	1.00	0.09
8.04	69.50	0.77	4.58	1.00	0.09	8.06	70.20	0.78	4.54	1.00	0.09
8.08	70.79	0.78	4.50	1.00	0.09	8.10	72.01	0.79	4.43	1.00	0.09
8.12	70.69	0.78	4.51	1.00	0.09	8.14	68.86	0.77	4.62	1.00	0.09
8.16	68.34	0.76	4.65	1.00	0.09	8.18	67.18	0.76	4.72	1.00	0.09
8.20	66.69	0.75	4.76	1.00	0.09	8.22	64.10	0.73	4.93	1.00	0.10
8.24	63.83	0.73	4.95	1.00	0.10	8.26	64.27	0.74	4.92	1.00	0.10
8.28	65.48	0.74	4.84	1.00	0.10	8.30	67.30	0.76	4.72	1.00	0.09
8.32	68.33	0.76	4.65	1.00	0.09	8.34	67.57	0.76	4.70	1.00	0.09
8.36	65.87	0.75	4.81	1.00	0.10	8.38	67.41	0.76	4.71	1.00	0.09
8.40	70.59	0.78	4.51	1.00	0.09	8.42	73.71	0.80	4.33	1.00	0.09
8.44	75.02	0.81	4.26	1.00	0.09	8.46	74.17	0.81	4.31	1.00	0.09
8.48	70.41	0.78	4.52	1.00	0.09	8.50	66.47	0.75	4.77	1.00	0.10
8.52	66.47	0.75	4.77	1.00	0.10	8.54	68.34	0.76	4.65	1.00	0.09
8.56	69.42	0.77	4.58	1.00	0.09	8.58	70.19	0.78	4.54	1.00	0.09
8.60	70.97	0.78	4.49	1.00	0.09	8.62	72.82	0.80	4.38	1.00	0.09
8.64	72.89	0.80	4.38	1.00	0.09	8.66	72.10	0.79	4.43	1.00	0.09
8.68	71.32	0.78	4.47	1.00	0.09	8.70	70.37	0.78	4.53	1.00	0.09
8.72	68.72	0.77	4.63	1.00	0.09	8.74	70.46	0.78	4.52	1.00	0.09
8.76	60.23	0.71	5.22	1.00	0.10	8.78	67.57	0.76	4.70	1.00	0.09
8.80	70.00	0.77	4.55	1.00	0.09	8.82	68.96	0.77	4.61	1.00	0.09
8.84	81.11	0.86	3.96	1.00	0.08	8.86	78.19	0.84	4.10	1.00	0.08
8.88	74.29	0.81	4.30	1.00	0.09	8.90	72.86	0.80	4.38	1.00	0.09
8.92	73.02	0.80	4.37	1.00	0.09	8.94	74.34	0.81	4.30	1.00	0.09
8.96	73.82	0.80	4.33	1.00	0.09	8.98	73.85	0.80	4.33	1.00	0.09
9.00	75.67	0.82	4.23	1.00	0.08	9.02	77.99	0.84	4.11	1.00	0.08
9.04	80.56	0.86	3.98	1.00	0.08	9.06	78.93	0.84	4.06	1.00	0.08
9.08	75.60	0.82	4.23	1.00	0.08	9.10	71.50	0.79	4.46	1.00	0.09
9.12	67.73	0.76	4.69	1.00	0.09	9.14	66.62	0.75	4.76	1.00	0.10
9.16	66.55	0.75	4.77	1.00	0.10	9.18	67.27	0.76	4.72	1.00	0.09
9.20	66.51	0.75	4.77	1.00	0.10	9.22	65.34	0.74	4.85	1.00	0.10
9.24	65.20	0.74	4.86	1.00	0.10	9.26	65.93	0.75	4.81	1.00	0.10

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.28	69.28	0.77	4.59	1.00	0.09	9.30	71.34	0.79	4.47	1.00	0.09
9.32	72.78	0.80	4.39	1.00	0.09	9.34	71.99	0.79	4.43	1.00	0.09
9.36	68.82	0.77	4.62	1.00	0.09	9.38	65.56	0.75	4.83	1.00	0.10
9.40	65.51	0.75	4.84	1.00	0.10	9.42	66.46	0.75	4.77	1.00	0.10
9.44	67.44	0.76	4.71	1.00	0.09	9.46	67.80	0.76	4.69	1.00	0.09
9.48	68.09	0.76	4.67	1.00	0.09	9.50	67.34	0.76	4.71	1.00	0.09
9.52	67.39	0.76	4.71	1.00	0.09	9.54	67.91	0.76	4.68	1.00	0.09
9.56	69.36	0.77	4.59	1.00	0.09	9.58	72.41	0.80	4.41	1.00	0.09
9.60	76.28	0.83	4.20	1.00	0.08	9.62	81.70	0.87	3.93	1.00	0.08
9.64	89.24	0.94	2.98	1.00	0.06	9.66	97.70	1.04	1.15	1.00	0.02
9.68	105.09	1.14	0.73	1.00	0.01	9.70	108.70	1.20	0.60	1.00	0.01
9.72	109.79	1.22	0.57	1.00	0.01	9.74	107.77	1.19	0.63	1.00	0.01
9.76	108.24	1.19	0.62	1.00	0.01	9.78	110.90	1.24	0.53	1.00	0.01
9.80	113.91	1.30	0.45	1.00	0.01	9.82	115.16	1.33	0.42	1.00	0.01
9.84	113.69	1.30	0.46	1.00	0.01	9.86	114.46	1.31	0.44	1.00	0.01
9.88	119.18	1.42	0.33	1.00	0.01	9.90	123.42	1.53	0.24	1.00	0.00
9.92	126.58	1.62	0.18	1.00	0.00	9.94	127.10	1.63	0.17	1.00	0.00
9.96	127.21	1.64	0.17	1.00	0.00	9.98	128.38	1.68	0.15	1.00	0.00
10.00	127.77	1.66	0.16	1.00	0.00	10.02	123.47	1.53	0.24	1.00	0.00
10.04	117.79	1.39	0.36	1.00	0.01	10.06	109.95	1.23	0.55	1.00	0.01
10.08	98.45	1.05	1.05	1.00	0.02	10.10	90.50	0.96	2.23	1.00	0.04
10.12	86.84	0.92	3.70	1.00	0.07	10.14	85.07	0.91	3.78	1.00	0.08
10.16	83.08	0.89	3.87	1.00	0.08	10.18	80.46	0.87	3.99	1.00	0.08
10.20	78.81	0.85	4.07	1.00	0.08	10.22	77.02	0.84	4.16	1.00	0.08
10.24	74.80	0.82	4.27	1.00	0.09	10.26	74.33	0.82	4.30	1.00	0.09
10.28	76.00	0.83	4.21	1.00	0.08	10.30	80.14	0.87	4.00	1.00	0.08
10.32	83.97	0.90	3.82	1.00	0.08	10.34	83.60	0.90	3.84	1.00	0.08
10.36	81.56	0.88	3.94	1.00	0.08	10.38	77.07	0.84	4.15	1.00	0.08
10.40	73.76	0.82	4.33	1.00	0.09	10.42	72.70	0.81	4.39	1.00	0.09
10.44	72.60	0.81	4.40	1.00	0.09	10.46	74.47	0.82	4.29	1.00	0.09
10.48	77.85	0.85	4.12	1.00	0.08	10.50	82.58	0.89	3.89	1.00	0.08
10.52	89.19	0.95	2.57	1.00	0.05	10.54	92.85	0.99	1.59	1.00	0.03
10.56	95.04	1.02	1.30	1.00	0.03	10.58	95.68	1.03	1.23	1.00	0.02
10.60	96.49	1.04	1.16	1.00	0.02	10.62	95.73	1.03	1.23	1.00	0.02
10.64	94.06	1.01	1.40	1.00	0.03	10.66	92.66	0.99	1.60	1.00	0.03
10.68	90.62	0.97	2.01	1.00	0.04	10.70	87.92	0.94	3.15	1.00	0.06
10.72	87.32	0.94	3.60	1.00	0.07	10.74	89.08	0.96	2.50	1.00	0.05
10.76	90.97	0.98	1.90	1.00	0.04	10.78	88.13	0.95	2.96	1.00	0.06
10.80	81.82	0.89	3.92	1.00	0.08	10.82	73.77	0.82	4.33	1.00	0.09
10.84	73.06	0.82	4.37	1.00	0.09	10.86	71.89	0.81	4.44	1.00	0.09
10.88	69.76	0.79	4.56	1.00	0.09	10.90	67.25	0.77	4.72	1.00	0.09
10.92	66.43	0.77	4.77	1.00	0.10	10.94	65.92	0.77	4.81	1.00	0.10
10.96	65.17	0.76	4.86	1.00	0.10	10.98	65.61	0.76	4.83	1.00	0.10
11.00	66.27	0.77	4.78	1.00	0.10	11.02	66.31	0.77	4.78	1.00	0.10
11.04	67.32	0.78	4.72	1.00	0.09	11.06	72.52	0.81	4.40	1.00	0.09
11.08	78.65	0.86	4.07	1.00	0.08	11.10	85.01	0.92	3.78	1.00	0.08
11.12	91.06	0.98	1.79	1.00	0.04	11.14	89.35	0.96	2.23	1.00	0.04
11.16	83.50	0.91	3.85	1.00	0.08	11.18	78.52	0.86	4.08	1.00	0.08
11.20	74.44	0.83	4.29	1.00	0.09	11.22	72.99	0.82	4.37	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.24	72.53	0.82	4.40	1.00	0.09	11.26	76.09	0.84	4.21	1.00	0.08
11.28	82.42	0.90	3.90	1.00	0.08	11.30	92.47	1.00	1.50	1.00	0.03
11.32	107.08	1.20	0.59	1.00	0.01	11.34	117.74	1.41	0.33	1.00	0.01
11.36	119.20	1.45	0.30	1.00	0.01	11.38	116.60	1.39	0.35	1.00	0.01
11.40	117.11	1.40	0.34	1.00	0.01	11.42	119.27	1.45	0.30	1.00	0.01
11.44	124.54	1.59	0.19	1.00	0.00	11.46	130.51	1.79	0.09	1.00	0.00
11.48	136.60	2.00	0.00	1.00	0.00	11.50	140.20	2.00	0.00	1.00	0.00
11.52	140.11	2.00	0.00	1.00	0.00	11.54	141.11	2.00	0.00	1.00	0.00
11.56	142.66	2.00	0.00	1.00	0.00	11.58	144.54	2.00	0.00	1.00	0.00
11.60	147.08	2.00	0.00	1.00	0.00	11.62	151.91	2.00	0.00	1.00	0.00
11.64	153.37	2.00	0.00	1.00	0.00	11.66	152.64	2.00	0.00	1.00	0.00
11.68	152.70	2.00	0.00	1.00	0.00	11.70	151.70	2.00	0.00	1.00	0.00
11.72	144.77	2.00	0.00	1.00	0.00	11.74	136.52	2.00	0.00	1.00	0.00
11.76	130.73	1.81	0.08	1.00	0.00	11.78	128.73	1.74	0.11	1.00	0.00
11.80	129.30	1.76	0.10	1.00	0.00	11.82	127.75	1.71	0.13	1.00	0.00
11.84	129.79	1.78	0.09	1.00	0.00	11.86	128.35	1.73	0.12	1.00	0.00
11.88	123.19	1.57	0.21	1.00	0.00	11.90	117.46	1.42	0.32	1.00	0.01
11.91	112.03	1.31	0.44	1.00	0.01	11.93	109.50	1.26	0.50	1.00	0.01
11.95	108.19	1.24	0.53	1.00	0.01	11.97	106.54	1.21	0.58	1.00	0.01
11.99	103.88	1.17	0.66	1.00	0.01	12.01	100.94	1.13	0.77	1.00	0.02
12.03	96.29	1.06	1.01	1.00	0.02	12.05	88.29	0.97	2.11	1.00	0.04
12.07	83.13	0.92	3.86	1.00	0.08	12.09	82.77	0.92	3.88	1.00	0.08
12.11	84.49	0.93	3.80	1.00	0.08	12.13	91.00	1.00	1.51	1.00	0.03
12.15	98.42	1.09	0.87	1.00	0.02	12.17	101.08	1.13	0.75	1.00	0.02
12.19	99.52	1.11	0.82	1.00	0.02	12.21	96.98	1.08	0.95	1.00	0.02
12.23	95.05	1.05	1.07	1.00	0.02	12.25	93.44	1.03	1.20	1.00	0.02
12.27	89.30	0.99	1.77	1.00	0.04	12.29	82.02	0.91	3.91	1.00	0.08
12.31	77.03	0.87	4.16	1.00	0.08	12.33	73.47	0.84	4.35	1.00	0.09
12.35	73.01	0.84	4.37	1.00	0.09	12.37	72.57	0.84	4.40	1.00	0.09
12.39	69.48	0.81	4.58	1.00	0.09	12.41	67.61	0.80	4.70	1.00	0.09
12.43	65.87	0.79	4.81	1.00	0.10	12.45	67.22	0.80	4.72	1.00	0.09
12.47	69.80	0.82	4.56	1.00	0.09	12.49	68.98	0.81	4.61	1.00	0.09
12.51	71.32	0.83	4.47	1.00	0.09	12.53	71.78	0.83	4.44	1.00	0.09
12.55	70.23	0.82	4.54	1.00	0.09	12.57	65.36	0.79	4.85	1.00	0.10
12.59	62.90	0.77	5.02	1.00	0.10	12.61	63.67	0.78	4.96	1.00	0.10
12.63	64.79	0.78	4.88	1.00	0.10	12.65	65.67	0.79	4.82	1.00	0.10
12.67	66.03	0.79	4.80	1.00	0.10	12.69	67.58	0.80	4.70	1.00	0.09
12.71	69.09	0.82	4.60	1.00	0.09	12.73	69.64	0.82	4.57	1.00	0.09
12.75	68.75	0.81	4.63	1.00	0.09	12.77	69.95	0.82	4.55	1.00	0.09
12.79	72.58	0.84	4.40	1.00	0.09	12.81	72.91	0.85	4.38	1.00	0.09
12.83	73.97	0.86	4.32	1.00	0.09	12.85	74.92	0.86	4.27	1.00	0.09
12.87	80.34	0.91	3.99	1.00	0.08	12.89	86.85	0.97	2.15	1.00	0.04
12.91	92.25	1.03	1.21	1.00	0.02	12.93	91.32	1.02	1.30	1.00	0.03
12.95	89.42	1.00	1.55	1.00	0.03	12.97	88.33	0.99	1.74	1.00	0.03
12.99	88.84	1.00	1.63	1.00	0.03	13.01	87.34	0.98	1.95	1.00	0.04
13.03	83.45	0.94	3.85	1.00	0.08	13.05	81.88	0.93	3.92	1.00	0.08
13.07	82.52	0.93	3.89	1.00	0.08	13.09	84.26	0.95	3.31	1.00	0.07
13.11	85.23	0.96	2.67	1.00	0.05	13.13	86.99	0.98	1.99	1.00	0.04
13.15	83.60	0.95	3.84	1.00	0.08	13.17	76.48	0.88	4.19	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.19	69.77	0.83	4.56	1.00	0.09	13.21	68.08	0.82	4.67	1.00	0.09
13.23	68.10	0.82	4.67	1.00	0.09	13.25	67.29	0.81	4.72	1.00	0.09
13.27	67.45	0.81	4.71	1.00	0.09	13.29	70.03	0.83	4.55	1.00	0.09
13.31	73.42	0.86	4.35	1.00	0.09	13.33	75.12	0.87	4.26	1.00	0.09
13.35	75.88	0.88	4.22	1.00	0.08	13.37	76.20	0.88	4.20	1.00	0.08
13.39	76.43	0.89	4.19	1.00	0.08	13.41	74.26	0.87	4.30	1.00	0.09
13.43	71.99	0.85	4.43	1.00	0.09	13.45	67.88	0.82	4.68	1.00	0.09
13.47	67.20	0.82	4.72	1.00	0.09	13.49	67.49	0.82	4.71	1.00	0.09
13.51	67.60	0.82	4.70	1.00	0.09	13.53	70.04	0.84	4.55	1.00	0.09
13.55	70.92	0.84	4.49	1.00	0.09	13.57	71.44	0.85	4.46	1.00	0.09
13.59	69.27	0.83	4.59	1.00	0.09	13.61	73.92	0.87	4.32	1.00	0.09
13.63	79.13	0.91	4.05	1.00	0.08	13.65	80.14	0.92	4.00	1.00	0.08
13.67	79.08	0.92	4.05	1.00	0.08	13.69	77.40	0.90	4.14	1.00	0.08
13.71	75.62	0.89	4.23	1.00	0.08	13.73	75.08	0.88	4.26	1.00	0.09
13.75	78.33	0.91	4.09	1.00	0.08	13.77	78.40	0.91	4.09	1.00	0.08
13.79	76.27	0.89	4.20	1.00	0.08	13.81	73.44	0.87	4.35	1.00	0.09
13.83	66.24	0.81	4.79	1.00	0.10	13.85	64.55	0.80	4.90	1.00	0.10
13.87	69.61	0.84	4.57	1.00	0.09	13.89	71.46	0.86	4.46	1.00	0.09
13.91	69.15	0.84	4.60	1.00	0.09	13.93	66.98	0.82	4.74	1.00	0.09
13.95	66.18	0.82	4.79	1.00	0.10	13.97	66.64	0.82	4.76	1.00	0.10
13.99	68.42	0.83	4.65	1.00	0.09	14.01	69.50	0.84	4.58	1.00	0.09
14.03	67.25	0.83	4.72	1.00	0.09	14.05	71.56	0.86	4.46	1.00	0.09
14.07	84.09	0.97	2.40	1.00	0.05	14.09	90.18	1.04	1.18	1.00	0.02
14.11	89.39	1.03	1.26	1.00	0.03	14.13	86.01	0.99	1.77	1.00	0.04
14.15	82.64	0.96	3.13	1.00	0.06	14.17	20.90	2.00	0.00	1.00	0.00
14.19	19.67	2.00	0.00	1.00	0.00	14.21	20.50	2.00	0.00	1.00	0.00
14.23	83.15	0.97	2.70	1.00	0.05	14.25	87.22	1.01	1.50	1.00	0.03
14.27	88.41	1.02	1.33	1.00	0.03	14.29	85.71	0.99	1.76	1.00	0.04
14.31	81.17	0.95	3.95	1.00	0.08	14.33	78.91	0.93	4.06	1.00	0.08
14.35	79.04	0.93	4.06	1.00	0.08	14.37	81.13	0.95	3.96	1.00	0.08
14.39	82.51	0.96	2.90	1.00	0.06	14.41	83.97	0.98	2.18	1.00	0.04
14.43	86.04	1.00	1.64	1.00	0.03	14.45	91.16	1.06	1.04	1.00	0.02
14.47	93.62	1.09	0.88	1.00	0.02	14.49	88.59	1.03	1.25	1.00	0.03
14.51	82.04	0.96	3.06	1.00	0.06	14.53	70.70	0.86	4.51	1.00	0.09
14.55	63.39	0.81	4.98	1.00	0.10	14.57	76.22	0.91	4.20	1.00	0.08
14.59	76.13	0.91	4.20	1.00	0.08	14.61	79.93	0.94	4.01	1.00	0.08
14.63	82.39	0.97	2.69	1.00	0.05	14.65	83.05	0.97	2.35	1.00	0.05
14.67	81.72	0.96	3.08	1.00	0.06	14.69	75.16	0.90	4.26	1.00	0.08
14.71	70.82	0.87	4.50	1.00	0.09	14.73	69.72	0.86	4.57	1.00	0.09
14.75	73.20	0.89	4.36	1.00	0.09	14.77	81.01	0.96	3.50	1.00	0.07
14.79	82.67	0.97	2.39	1.00	0.05	14.81	82.13	0.97	2.63	1.00	0.05
14.83	77.99	0.93	4.11	1.00	0.08	14.85	75.40	0.91	4.24	1.00	0.08
14.87	74.63	0.90	4.28	1.00	0.09	14.89	75.03	0.91	4.26	1.00	0.09
14.91	76.82	0.92	4.17	1.00	0.08	14.93	79.58	0.95	4.03	1.00	0.08
14.95	82.65	0.98	2.26	1.00	0.05	14.97	83.14	0.98	2.06	1.00	0.04
14.99	80.74	0.96	3.33	1.00	0.07	15.01	78.68	0.94	4.07	1.00	0.08
15.03	77.91	0.94	4.11	1.00	0.08	15.05	80.35	0.96	3.58	1.00	0.07
15.07	83.53	0.99	1.88	1.00	0.04	15.09	90.17	1.06	1.00	1.00	0.02
15.11	96.87	1.15	0.68	1.00	0.01	15.13	105.01	1.27	0.46	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.15	108.90	1.35	0.38	1.00	0.01	15.17	108.04	1.33	0.40	1.00	0.01
15.19	115.22	1.48	0.26	1.00	0.01	15.21	121.09	1.63	0.16	1.00	0.00
15.23	126.16	1.79	0.08	1.00	0.00	15.25	128.63	1.88	0.05	1.00	0.00
15.27	124.82	1.75	0.10	1.00	0.00	15.29	118.09	1.56	0.21	1.00	0.00
15.31	112.06	1.42	0.31	1.00	0.01	15.33	111.96	1.42	0.32	1.00	0.01
15.35	113.70	1.45	0.28	1.00	0.01	15.37	113.09	1.44	0.29	1.00	0.01
15.39	114.01	1.46	0.28	1.00	0.01	15.41	114.18	1.47	0.27	1.00	0.01
15.43	113.88	1.46	0.28	1.00	0.01	15.45	110.25	1.38	0.34	1.00	0.01
15.47	112.68	1.44	0.30	1.00	0.01	15.49	115.37	1.50	0.25	1.00	0.00
15.51	123.13	1.71	0.12	1.00	0.00	15.53	131.31	2.00	0.00	1.00	0.00
15.55	128.05	1.88	0.05	1.00	0.00	15.57	128.98	1.91	0.03	1.00	0.00
15.59	130.95	1.99	0.00	1.00	0.00	15.61	131.06	2.00	0.00	1.00	0.00
15.63	126.75	1.83	0.07	1.00	0.00	15.65	118.53	1.58	0.19	1.00	0.00
15.67	112.00	1.43	0.30	1.00	0.01	15.69	110.99	1.41	0.32	1.00	0.01
15.71	113.76	1.47	0.27	1.00	0.01	15.73	119.26	1.61	0.18	1.00	0.00
15.75	121.67	1.68	0.14	1.00	0.00	15.77	120.61	1.65	0.16	1.00	0.00
15.79	118.35	1.59	0.19	1.00	0.00	15.81	123.37	1.73	0.11	1.00	0.00
15.83	126.43	1.83	0.07	1.00	0.00	15.85	127.32	1.87	0.05	1.00	0.00
15.87	125.09	1.79	0.09	1.00	0.00	15.89	124.45	1.77	0.09	1.00	0.00
15.91	124.38	1.77	0.09	1.00	0.00	15.93	124.30	1.77	0.10	1.00	0.00
15.95	133.74	2.00	0.00	1.00	0.00	15.97	136.31	2.00	0.00	1.00	0.00
15.99	135.49	2.00	0.00	1.00	0.00	16.01	130.14	1.98	0.01	1.00	0.00
16.03	122.32	1.71	0.12	1.00	0.00	16.05	110.09	1.41	0.32	1.00	0.01
16.07	101.56	1.25	0.48	1.00	0.01	16.09	94.57	1.15	0.66	1.00	0.01
16.11	93.54	1.14	0.69	1.00	0.01	16.13	93.48	1.14	0.69	1.00	0.01
16.15	92.48	1.12	0.73	1.00	0.01	16.17	81.17	1.00	1.77	1.00	0.04
16.19	80.81	1.00	1.85	1.00	0.04	16.21	81.50	1.00	1.67	1.00	0.03
16.23	83.62	1.02	1.31	1.00	0.03	16.25	85.37	1.04	1.12	1.00	0.02
16.27	84.98	1.04	1.15	1.00	0.02	16.29	81.84	1.01	1.56	1.00	0.03
16.31	73.79	0.93	4.33	1.00	0.09	16.33	69.01	0.89	4.61	1.00	0.09
16.35	69.19	0.90	4.60	1.00	0.09	16.37	64.90	0.86	4.88	1.00	0.10
16.39	62.64	0.85	5.04	1.00	0.10	16.41	64.46	0.86	4.91	1.00	0.10
16.43	68.57	0.89	4.64	1.00	0.09	16.45	69.85	0.90	4.56	1.00	0.09
16.47	70.53	0.91	4.52	1.00	0.09	16.49	69.53	0.90	4.58	1.00	0.09
16.51	69.74	0.90	4.56	1.00	0.09	16.53	70.71	0.91	4.51	1.00	0.09
16.55	69.77	0.90	4.56	1.00	0.09	16.57	69.40	0.90	4.59	1.00	0.09
16.59	66.98	0.88	4.74	1.00	0.09	16.61	65.51	0.87	4.84	1.00	0.10
16.63	67.62	0.89	4.70	1.00	0.09	16.65	66.82	0.88	4.75	1.00	0.09
16.67	70.75	0.92	4.50	1.00	0.09	16.69	74.81	0.95	4.27	1.00	0.09
16.71	76.77	0.97	3.26	1.00	0.07	16.73	76.32	0.97	3.67	1.00	0.07
16.75	76.84	0.97	3.12	1.00	0.06	16.77	72.78	0.94	4.39	1.00	0.09
16.79	77.54	0.98	2.57	1.00	0.05	16.81	78.59	0.99	2.08	1.00	0.04
16.83	79.92	1.00	1.68	1.00	0.03	16.85	81.52	1.02	1.38	1.00	0.03
16.87	86.12	1.07	0.94	1.00	0.02	16.89	92.12	1.14	0.67	1.00	0.01
16.91	97.16	1.21	0.53	1.00	0.01	16.93	96.58	1.20	0.54	1.00	0.01
16.95	90.18	1.12	0.73	1.00	0.01	16.97	85.92	1.07	0.93	1.00	0.02
16.99	81.47	1.02	1.33	1.00	0.03	17.01	78.26	0.99	2.02	1.00	0.04
17.03	75.08	0.96	4.26	1.00	0.09	17.05	73.52	0.95	4.34	1.00	0.09
17.07	72.09	0.94	4.43	1.00	0.09	17.09	72.25	0.94	4.42	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.11	72.58	0.94	4.40	1.00	0.09	17.13	74.44	0.96	4.29	1.00	0.09
17.15	77.85	0.99	2.04	1.00	0.04	17.17	82.78	1.04	1.13	1.00	0.02
17.19	90.17	1.13	0.70	1.00	0.01	17.21	100.56	1.27	0.44	1.00	0.01
17.23	107.69	1.40	0.32	1.00	0.01	17.25	109.86	1.45	0.28	1.00	0.01
17.27	109.73	1.45	0.28	1.00	0.01	17.29	107.34	1.40	0.32	1.00	0.01
17.31	107.58	1.40	0.31	1.00	0.01	17.33	111.90	1.49	0.25	1.00	0.00
17.35	114.88	1.57	0.20	1.00	0.00	17.37	117.10	1.62	0.17	1.00	0.00
17.39	117.31	1.63	0.16	1.00	0.00	17.41	110.13	1.46	0.27	1.00	0.01
17.43	104.26	1.35	0.36	1.00	0.01	17.45	97.81	1.24	0.48	1.00	0.01
17.47	94.90	1.20	0.54	1.00	0.01	17.49	94.33	1.19	0.56	1.00	0.01
17.51	95.17	1.20	0.53	1.00	0.01	17.53	95.59	1.21	0.52	1.00	0.01
17.55	91.42	1.16	0.63	1.00	0.01	17.57	84.59	1.07	0.90	1.00	0.02
17.59	78.07	1.01	1.64	1.00	0.03	17.61	75.15	0.98	2.75	1.00	0.06
17.63	76.04	0.99	2.25	1.00	0.04	17.65	79.38	1.02	1.37	1.00	0.03
17.67	83.43	1.06	0.95	1.00	0.02	17.69	89.55	1.14	0.67	1.00	0.01
17.71	92.06	1.17	0.59	1.00	0.01	17.73	93.38	1.19	0.56	1.00	0.01
17.75	93.73	1.19	0.55	1.00	0.01	17.77	93.67	1.19	0.55	1.00	0.01
17.79	94.24	1.20	0.54	1.00	0.01	17.81	96.63	1.24	0.48	1.00	0.01
17.83	96.43	1.23	0.49	1.00	0.01	17.85	95.61	1.22	0.50	1.00	0.01
17.87	93.25	1.19	0.55	1.00	0.01	17.89	84.74	1.09	0.84	1.00	0.02
17.91	79.46	1.03	1.25	1.00	0.03	17.93	75.32	0.99	2.21	1.00	0.04
17.95	73.91	0.98	3.00	1.00	0.06	17.97	73.62	0.98	3.20	1.00	0.06
17.99	73.52	0.97	3.24	1.00	0.06	18.01	72.91	0.97	3.85	1.00	0.08
18.03	73.27	0.97	3.38	1.00	0.07	18.05	77.06	1.01	1.58	1.00	0.03
18.07	81.30	1.05	1.02	1.00	0.02	18.09	92.22	1.18	0.56	1.00	0.01
18.11	105.22	1.39	0.32	1.00	0.01	18.13	118.25	1.69	0.13	1.00	0.00
18.15	125.76	1.93	0.03	1.00	0.00	18.17	129.84	2.00	0.00	1.00	0.00
18.19	130.08	2.00	0.00	1.00	0.00	18.21	129.85	2.00	0.00	1.00	0.00
18.23	128.48	2.00	0.00	1.00	0.00	18.25	124.52	1.89	0.04	1.00	0.00
18.27	121.61	1.80	0.08	1.00	0.00	18.29	114.32	1.59	0.18	1.00	0.00
18.31	109.12	1.48	0.25	1.00	0.01	18.33	105.01	1.40	0.31	1.00	0.01
18.35	100.40	1.31	0.38	1.00	0.01	18.37	92.70	1.20	0.53	1.00	0.01
18.39	86.39	1.12	0.69	1.00	0.01	18.41	83.02	1.08	0.84	1.00	0.02
18.43	82.06	1.07	0.88	1.00	0.02	18.45	84.82	1.10	0.75	1.00	0.01
18.47	89.99	1.17	0.58	1.00	0.01	18.49	97.65	1.28	0.42	1.00	0.01
18.51	100.57	1.32	0.37	1.00	0.01	18.53	101.28	1.34	0.36	1.00	0.01
18.55	104.59	1.40	0.31	1.00	0.01	18.57	109.29	1.49	0.24	1.00	0.00
18.59	110.82	1.53	0.22	1.00	0.00	18.61	114.48	1.61	0.17	1.00	0.00
18.63	120.37	1.78	0.09	1.00	0.00	18.65	126.06	1.97	0.01	1.00	0.00
18.67	125.62	1.96	0.02	1.00	0.00	18.69	123.07	1.87	0.05	1.00	0.00
18.71	113.85	1.60	0.17	1.00	0.00	18.73	108.38	1.48	0.25	1.00	0.00
18.75	103.74	1.39	0.31	1.00	0.01	18.77	92.67	1.21	0.50	1.00	0.01
18.79	92.28	1.21	0.50	1.00	0.01	18.81	90.67	1.19	0.54	1.00	0.01
18.83	92.15	1.21	0.50	1.00	0.01	18.85	97.03	1.28	0.41	1.00	0.01
18.87	101.13	1.35	0.35	1.00	0.01	18.89	104.67	1.41	0.30	1.00	0.01
18.91	105.19	1.42	0.29	1.00	0.01	18.93	106.33	1.44	0.27	1.00	0.01
18.95	105.68	1.43	0.28	1.00	0.01	18.97	100.27	1.34	0.36	1.00	0.01
18.99	93.96	1.24	0.46	1.00	0.01	19.01	90.27	1.19	0.53	1.00	0.01
19.03	89.89	1.18	0.54	1.00	0.01	19.05	91.36	1.20	0.50	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
19.07	94.49	1.25	0.45	1.00	0.01	19.09	99.51	1.33	0.36	1.00	0.01
19.11	105.38	1.43	0.28	1.00	0.01	19.13	109.49	1.52	0.22	1.00	0.00
19.15	111.01	1.55	0.20	1.00	0.00	19.17	108.61	1.50	0.23	1.00	0.00
19.19	108.18	1.49	0.24	1.00	0.00	19.21	110.16	1.54	0.21	1.00	0.00
19.23	111.21	1.56	0.19	1.00	0.00	19.25	106.53	1.46	0.26	1.00	0.01
19.27	96.43	1.29	0.40	1.00	0.01	19.29	89.28	1.19	0.53	1.00	0.01
19.31	86.26	1.15	0.60	1.00	0.01	19.33	85.37	1.14	0.62	1.00	0.01
19.35	86.64	1.15	0.58	1.00	0.01	19.37	89.12	1.19	0.53	1.00	0.01
19.39	93.35	1.24	0.45	1.00	0.01	19.41	99.63	1.34	0.35	1.00	0.01
19.43	107.25	1.48	0.24	1.00	0.00	19.45	114.30	1.65	0.15	1.00	0.00
19.47	124.25	1.95	0.02	1.00	0.00	19.49	133.12	2.00	0.00	1.00	0.00
19.51	138.65	2.00	0.00	1.00	0.00	19.53	137.88	2.00	0.00	1.00	0.00
19.55	133.21	2.00	0.00	1.00	0.00	19.57	127.13	2.00	0.00	1.00	0.00
19.59	123.68	1.94	0.02	1.00	0.00	19.61	121.30	1.86	0.05	1.00	0.00
19.63	119.33	1.80	0.08	1.00	0.00	19.65	114.42	1.66	0.14	1.00	0.00
19.67	107.71	1.50	0.23	1.00	0.00	19.69	104.50	1.44	0.27	1.00	0.01
19.71	103.76	1.43	0.28	1.00	0.01	19.73	104.44	1.44	0.27	1.00	0.01
19.75	104.82	1.45	0.26	1.00	0.01	19.77	101.23	1.38	0.31	1.00	0.01
19.79	105.58	1.47	0.25	1.00	0.01	19.81	109.96	1.56	0.19	1.00	0.00
19.83	111.46	1.60	0.17	1.00	0.00	19.85	107.18	1.50	0.23	1.00	0.00
19.87	101.80	1.40	0.30	1.00	0.01	19.89	99.13	1.35	0.33	1.00	0.01
19.91	97.93	1.33	0.35	1.00	0.01	19.93	96.61	1.31	0.37	1.00	0.01
19.95	96.06	1.31	0.37	1.00	0.01	19.97	96.61	1.31	0.36	1.00	0.01
19.99	98.43	1.34	0.34	1.00	0.01						

Total estimated settlement: 40.73

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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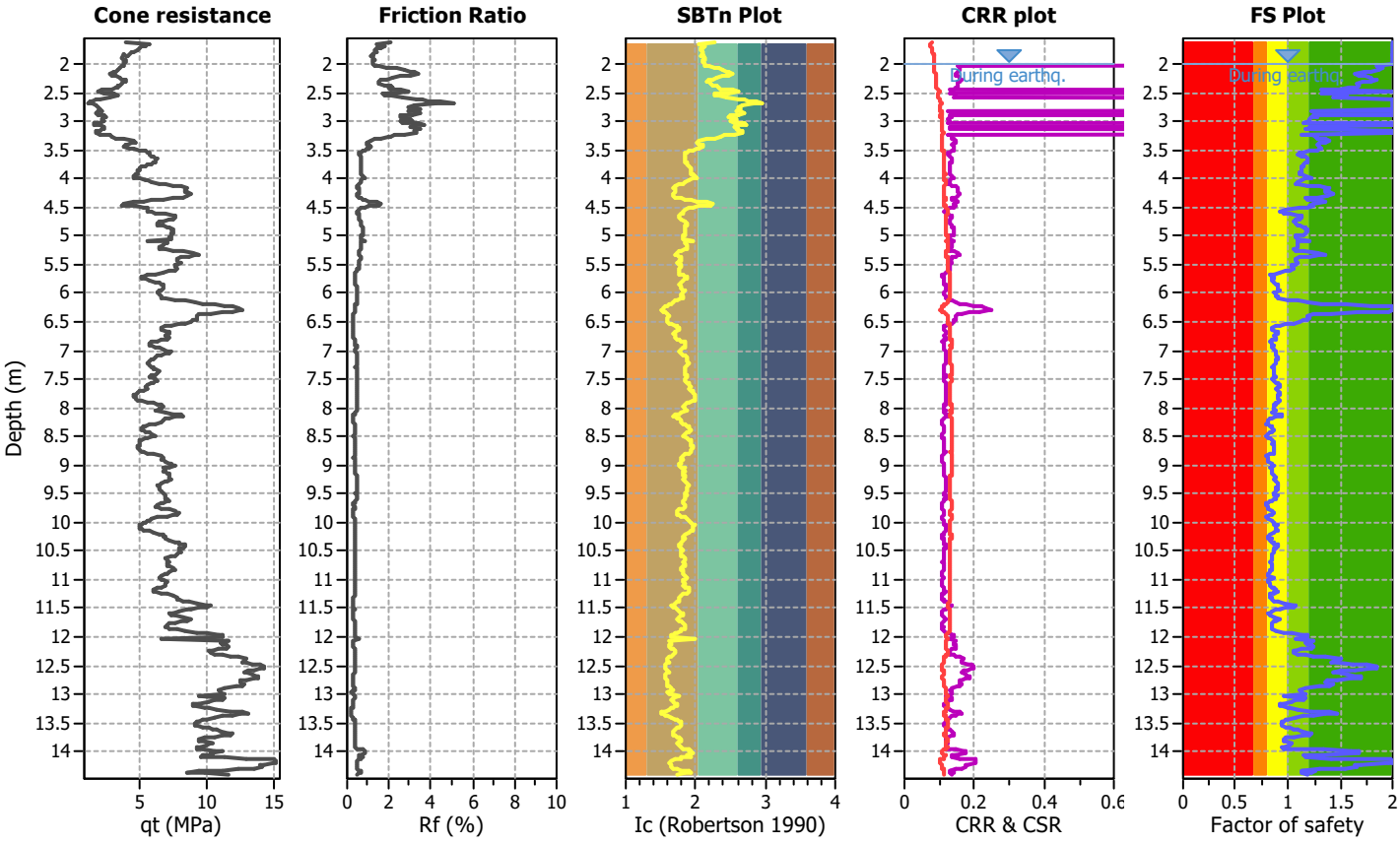
LIQUEFACTION ANALYSIS REPORT

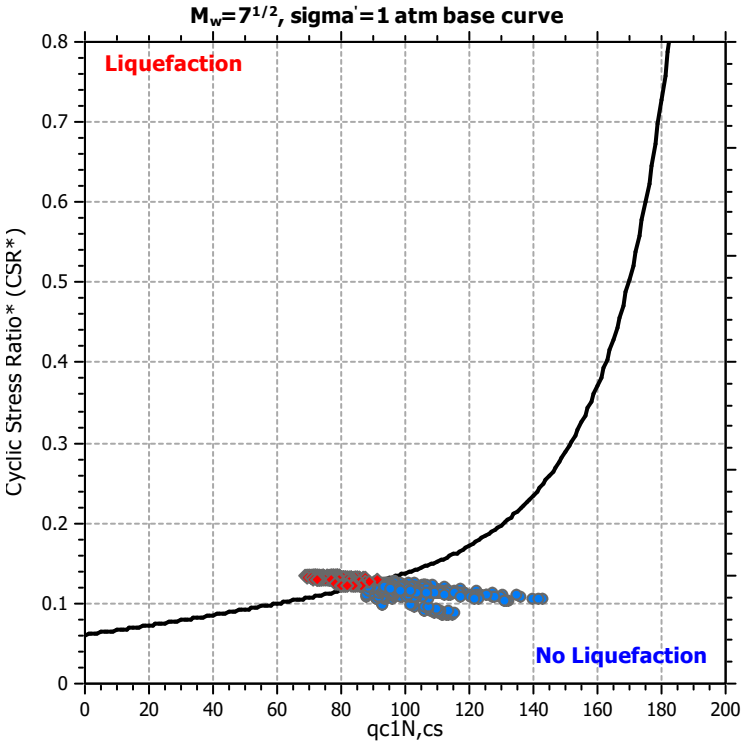
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

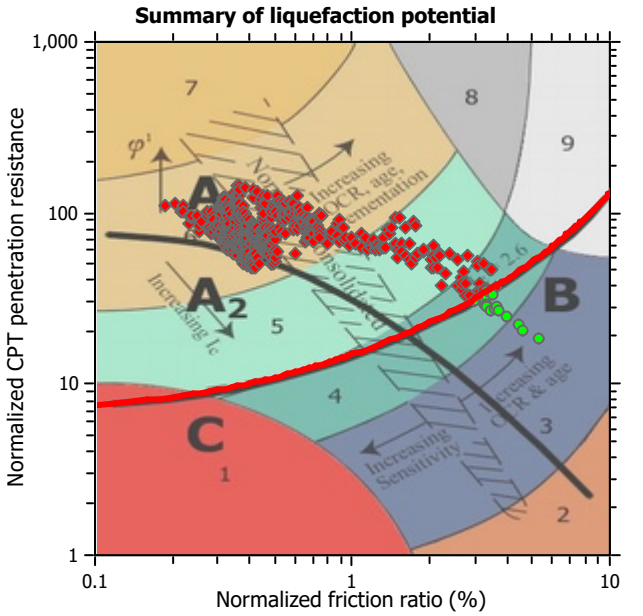
CPT file : P314 - CPTu-20

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

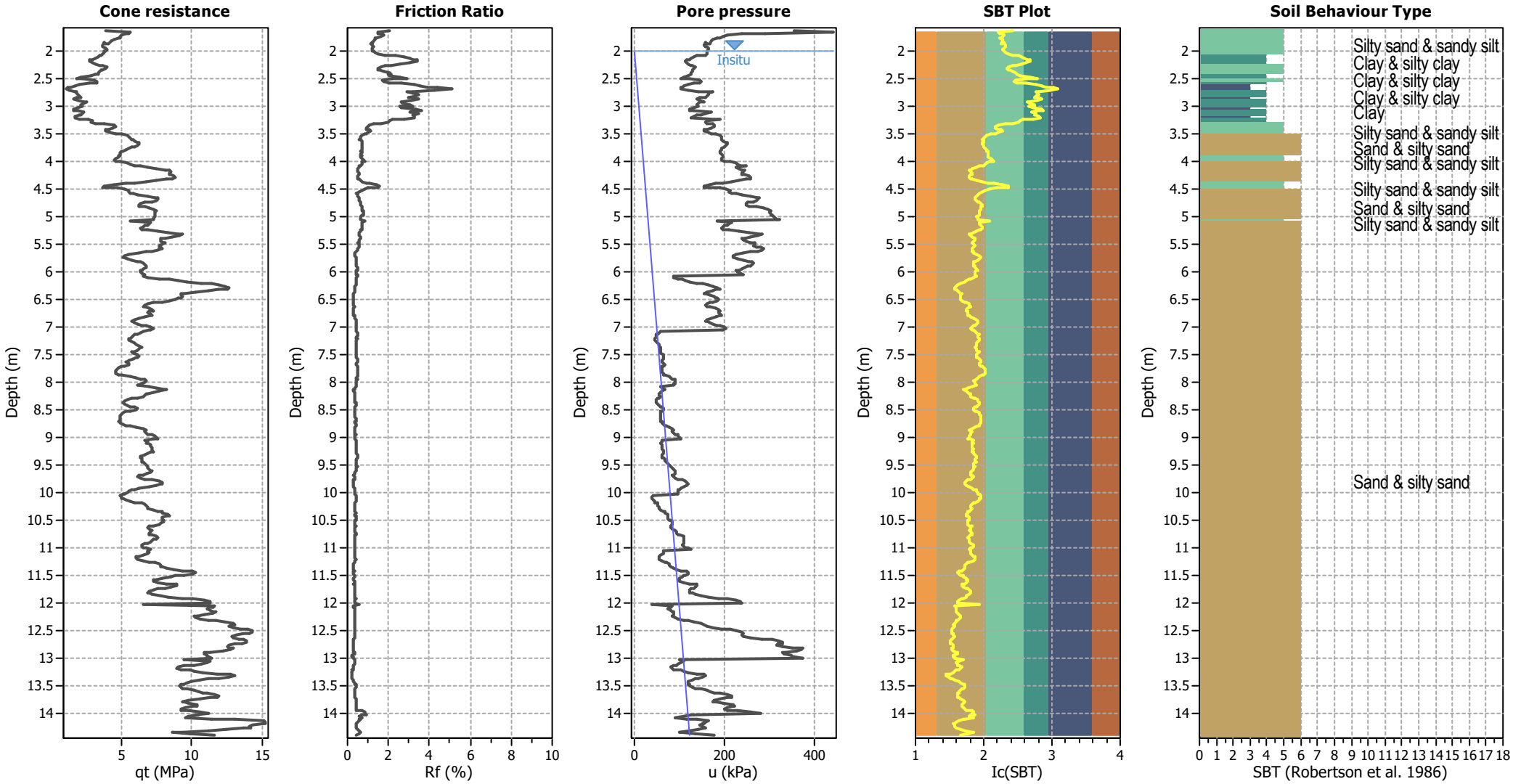






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



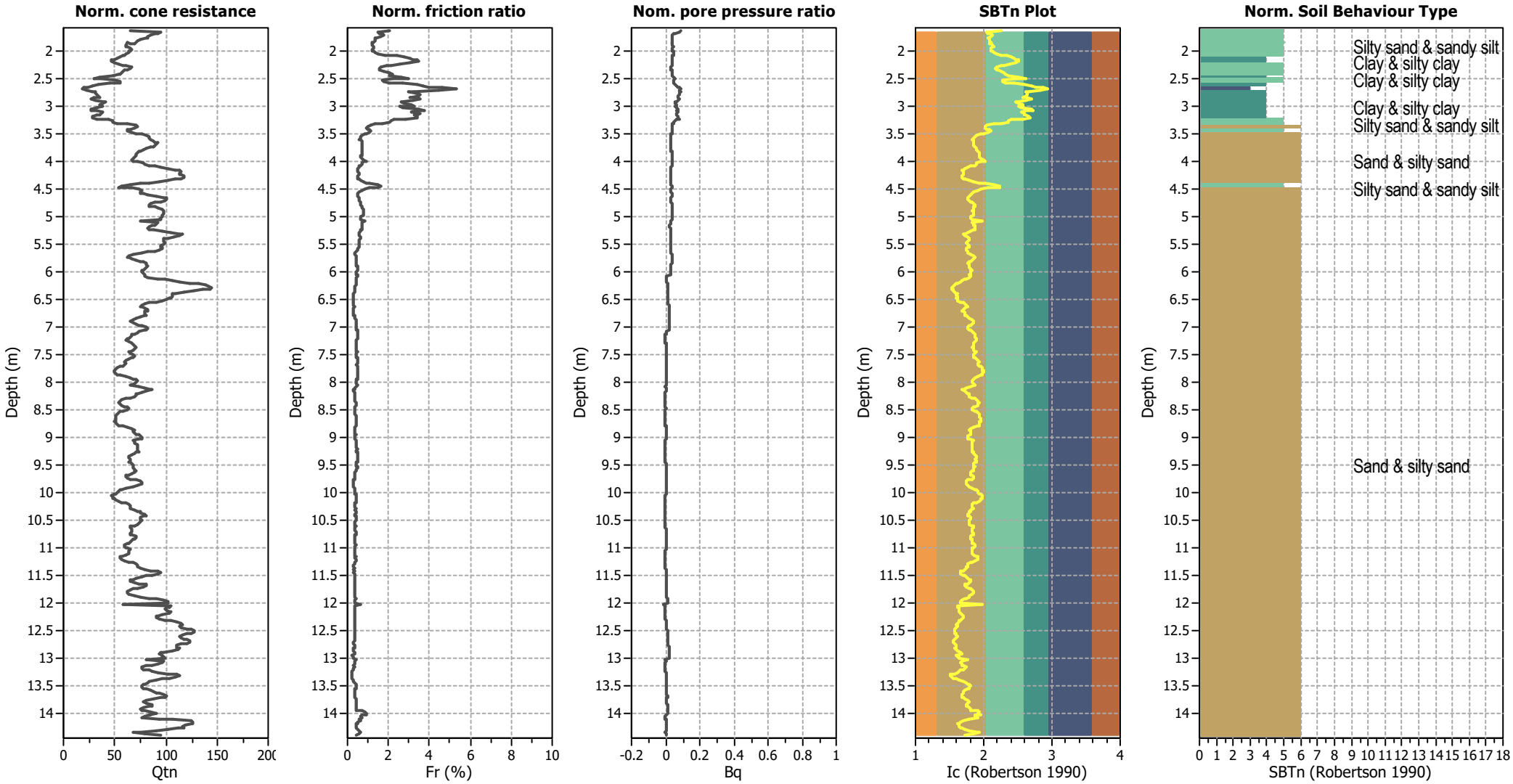
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



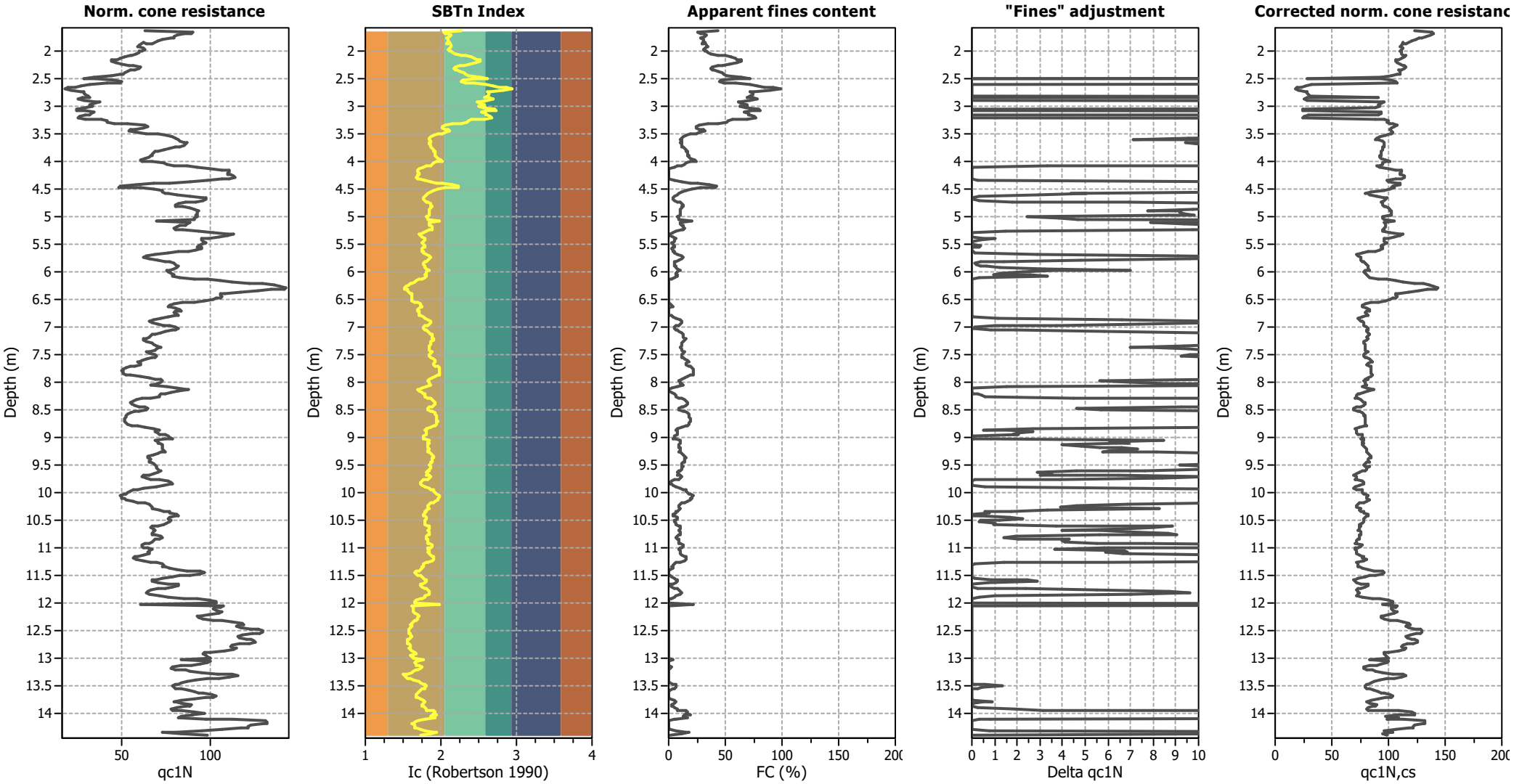
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

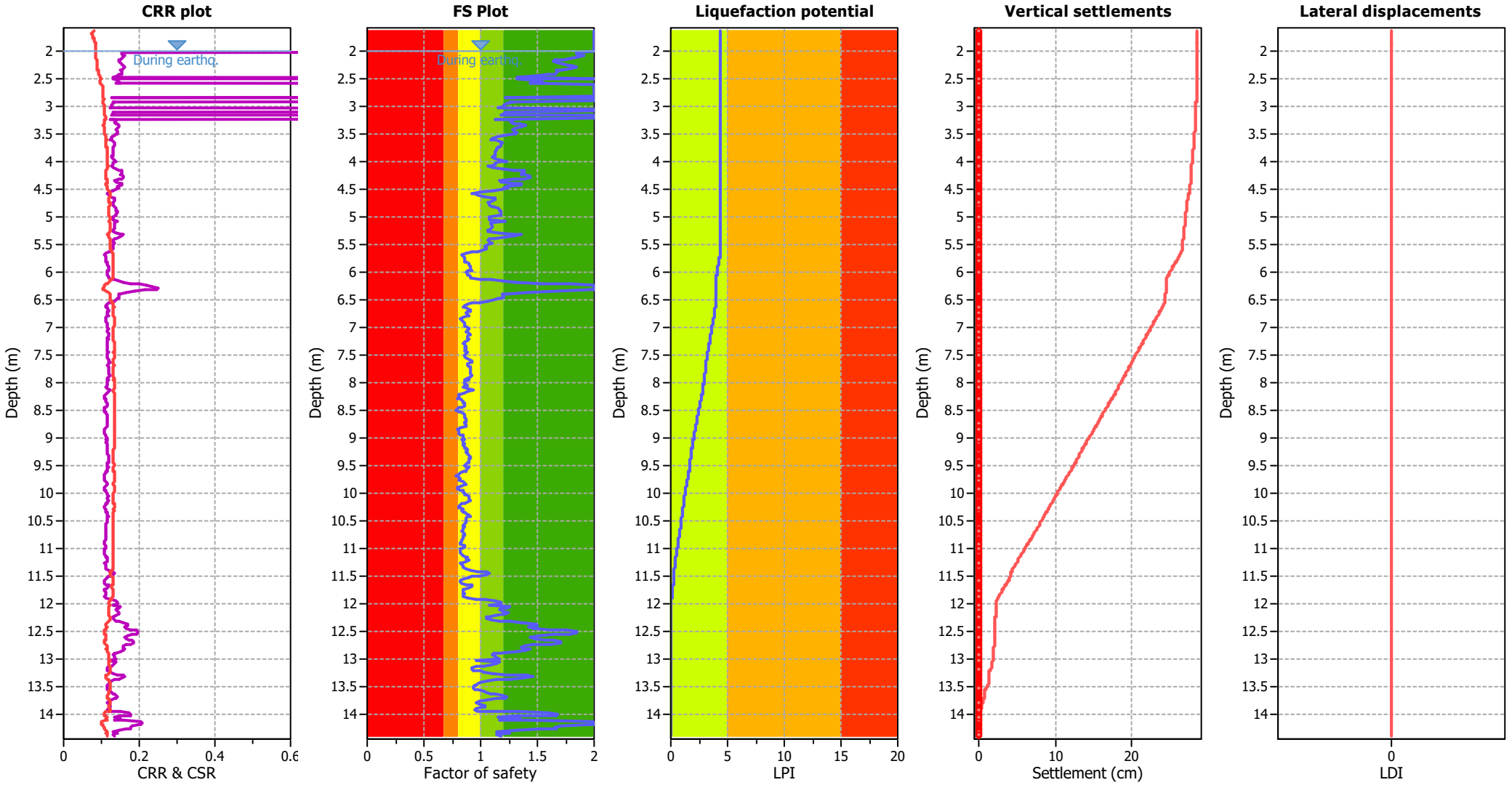
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

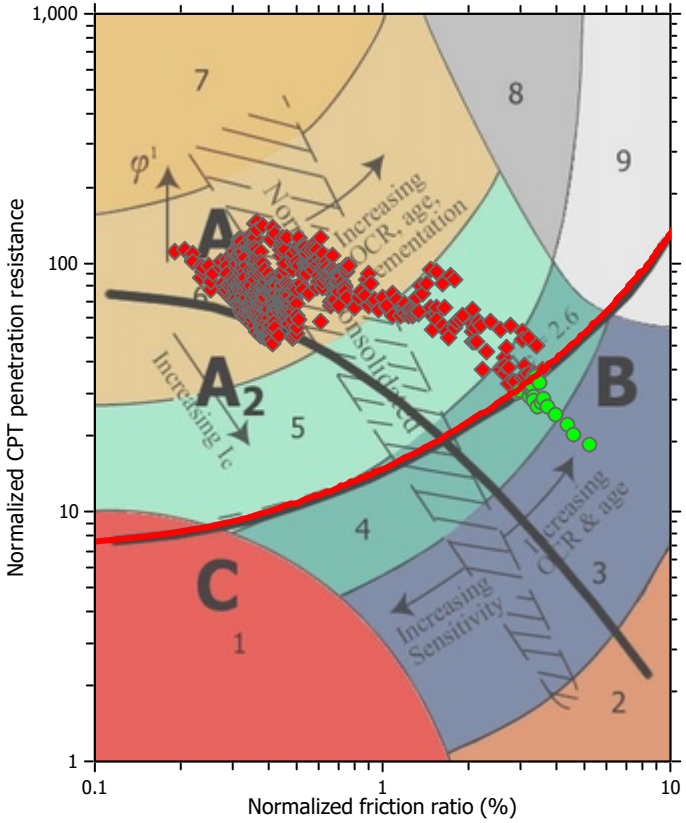
F.S. color scheme

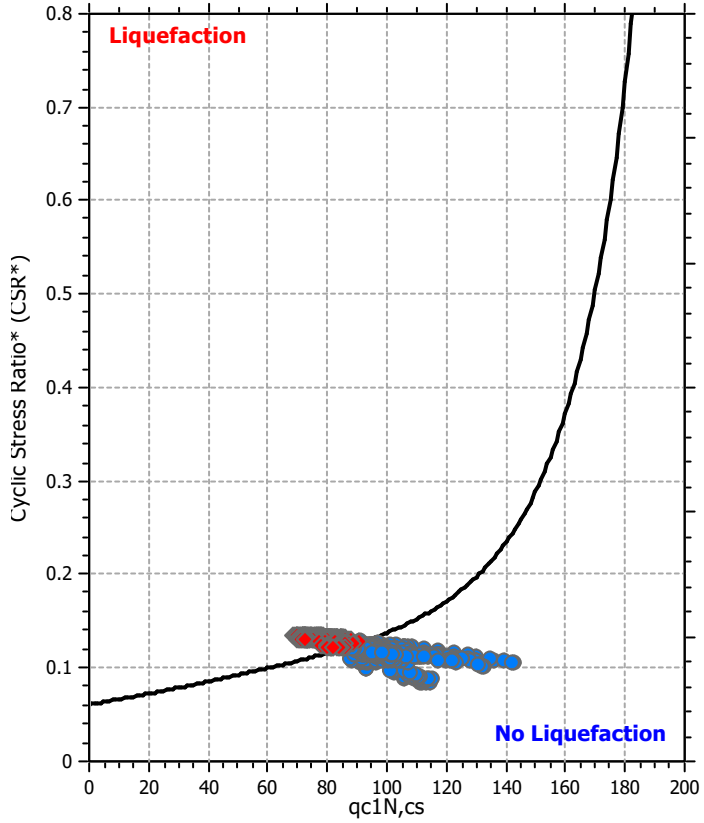
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

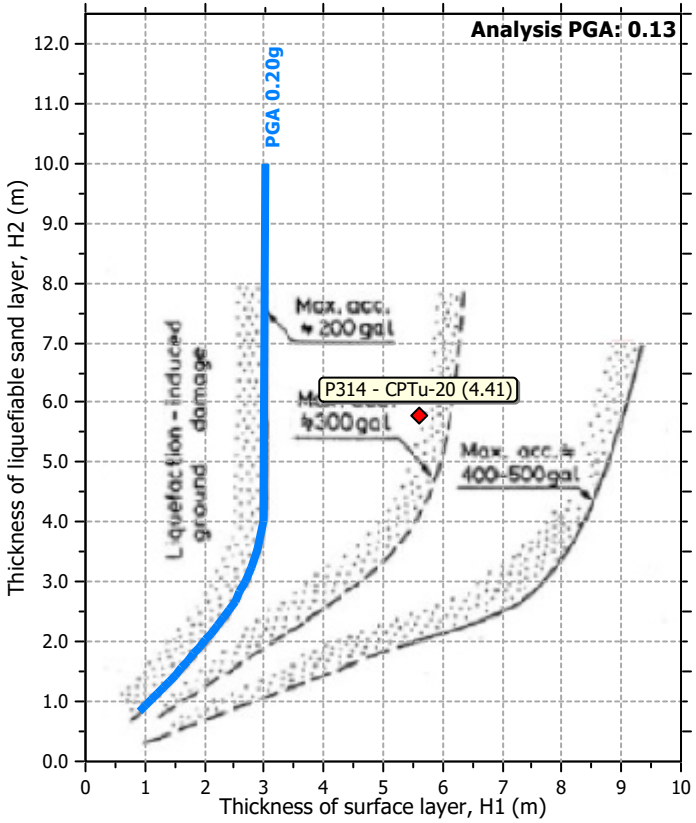
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



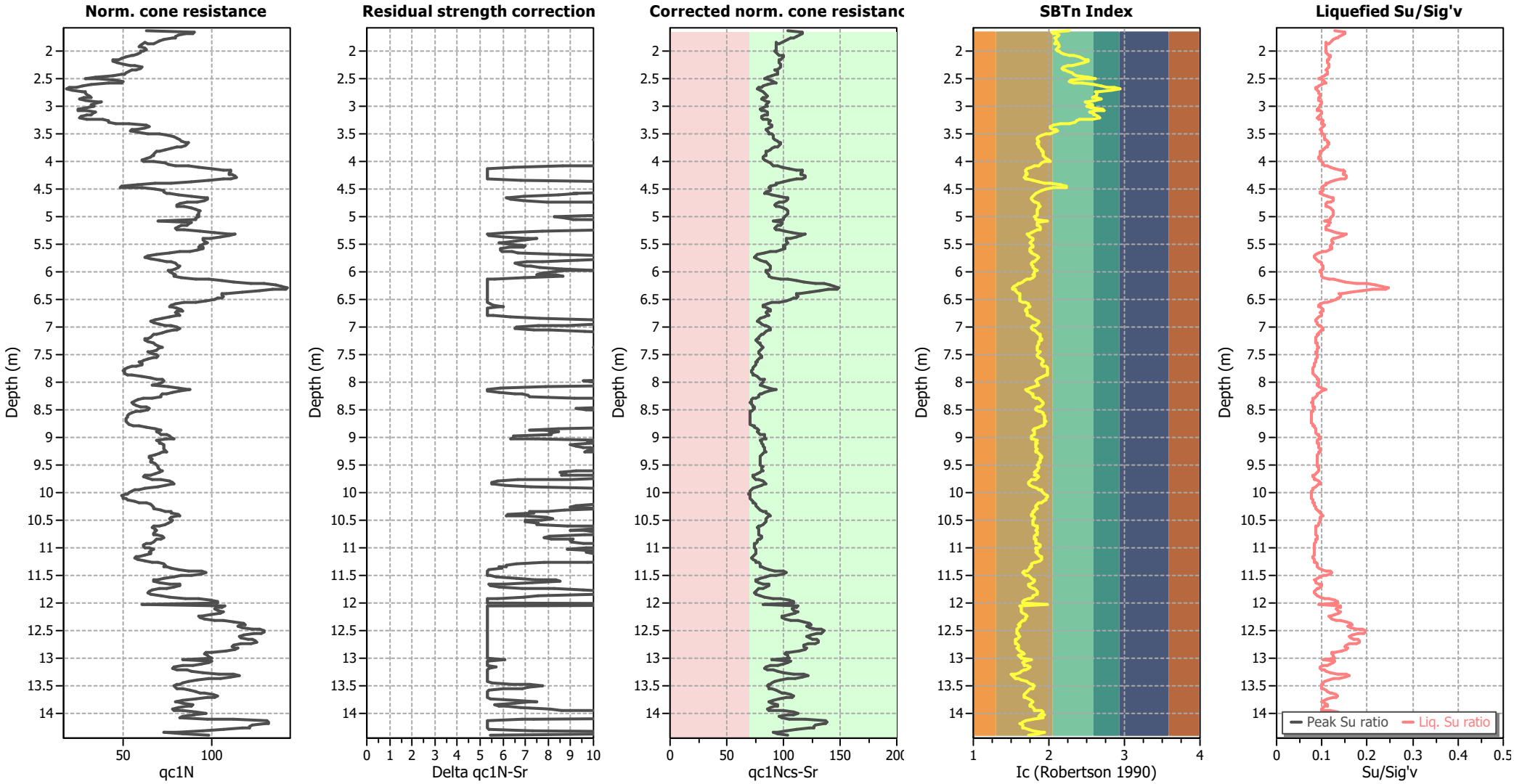




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.84	0.00	0.00	0.02	0.00	2.04	1.84	0.00	0.00	0.02	0.00
2.06	1.87	0.00	0.00	0.02	0.00	2.08	1.91	0.00	0.00	0.02	0.00
2.10	1.86	0.00	0.00	0.02	0.00	2.12	1.79	0.00	0.00	0.02	0.00
2.14	1.73	0.00	0.00	0.02	0.00	2.16	1.65	0.00	0.00	0.02	0.00
2.18	1.65	0.00	0.00	0.02	0.00	2.20	1.68	0.00	0.00	0.02	0.00
2.22	1.73	0.00	0.00	0.02	0.00	2.24	1.78	0.00	0.00	0.02	0.00
2.26	1.80	0.00	0.00	0.02	0.00	2.28	1.85	0.00	0.00	0.02	0.00
2.30	1.79	0.00	0.00	0.02	0.00	2.32	1.72	0.00	0.00	0.02	0.00
2.34	1.67	0.00	0.00	0.02	0.00	2.36	1.68	0.00	0.00	0.02	0.00
2.38	1.67	0.00	0.00	0.02	0.00	2.40	1.66	0.00	0.00	0.02	0.00
2.42	1.59	0.00	0.00	0.02	0.00	2.44	1.49	0.00	0.00	0.02	0.00
2.46	1.32	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	1.32	0.00	0.00	0.02	0.00	2.52	1.46	0.00	0.00	0.02	0.00
2.54	1.53	0.00	0.00	0.02	0.00	2.56	1.56	0.00	0.00	0.02	0.00
2.58	1.43	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	1.22	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	1.25	0.00	0.00	0.02	0.00	2.92	1.28	0.00	0.00	0.02	0.00
2.94	1.23	0.00	0.00	0.02	0.00	2.96	1.20	0.00	0.00	0.02	0.00
2.98	1.21	0.00	0.00	0.02	0.00	3.00	1.21	0.00	0.00	0.02	0.00
3.02	1.15	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	1.22	0.00	0.00	0.02	0.00	3.12	1.20	0.00	0.00	0.02	0.00
3.14	1.18	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	1.12	0.00	0.00	0.02	0.00	3.24	1.24	0.00	0.00	0.02	0.00
3.26	1.28	0.00	0.00	0.02	0.00	3.28	1.27	0.00	0.00	0.02	0.00
3.30	1.29	0.00	0.00	0.02	0.00	3.32	1.35	0.00	0.00	0.02	0.00
3.34	1.40	0.00	0.00	0.02	0.00	3.36	1.36	0.00	0.00	0.02	0.00
3.38	1.31	0.00	0.00	0.02	0.00	3.40	1.28	0.00	0.00	0.02	0.00
3.42	1.29	0.00	0.00	0.02	0.00	3.44	1.30	0.00	0.00	0.02	0.00
3.46	1.32	0.00	0.00	0.02	0.00	3.48	1.31	0.00	0.00	0.02	0.00
3.50	1.28	0.00	0.00	0.02	0.00	3.52	1.21	0.00	0.00	0.02	0.00
3.54	1.14	0.00	0.00	0.02	0.00	3.56	1.11	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.59	1.09	0.00	0.00	0.03	0.00	3.60	1.13	0.00	0.00	0.01	0.00
3.62	1.17	0.00	0.00	0.02	0.00	3.64	1.19	0.00	0.00	0.02	0.00
3.66	1.19	0.00	0.00	0.02	0.00	3.68	1.18	0.00	0.00	0.02	0.00
3.70	1.18	0.00	0.00	0.02	0.00	3.72	1.17	0.00	0.00	0.02	0.00
3.74	1.15	0.00	0.00	0.02	0.00	3.76	1.14	0.00	0.00	0.02	0.00
3.78	1.14	0.00	0.00	0.02	0.00	3.80	1.13	0.00	0.00	0.02	0.00
3.82	1.13	0.00	0.00	0.02	0.00	3.84	1.13	0.00	0.00	0.02	0.00
3.86	1.12	0.00	0.00	0.02	0.00	3.88	1.12	0.00	0.00	0.02	0.00
3.90	1.11	0.00	0.00	0.02	0.00	3.92	1.10	0.00	0.00	0.02	0.00
3.94	1.13	0.00	0.00	0.02	0.00	3.96	1.17	0.00	0.00	0.02	0.00
3.98	1.23	0.00	0.00	0.02	0.00	4.00	1.16	0.00	0.00	0.02	0.00
4.02	1.13	0.00	0.00	0.02	0.00	4.04	1.13	0.00	0.00	0.02	0.00
4.06	1.10	0.00	0.00	0.02	0.00	4.08	1.07	0.00	0.00	0.02	0.00
4.10	1.10	0.00	0.00	0.02	0.00	4.12	1.19	0.00	0.00	0.02	0.00
4.14	1.30	0.00	0.00	0.02	0.00	4.16	1.38	0.00	0.00	0.02	0.00
4.18	1.39	0.00	0.00	0.02	0.00	4.20	1.36	0.00	0.00	0.02	0.00
4.22	1.35	0.00	0.00	0.02	0.00	4.24	1.39	0.00	0.00	0.02	0.00
4.26	1.44	0.00	0.00	0.02	0.00	4.28	1.44	0.00	0.00	0.02	0.00
4.30	1.38	0.00	0.00	0.02	0.00	4.32	1.29	0.00	0.00	0.02	0.00
4.34	1.16	0.00	0.00	0.02	0.00	4.36	1.18	0.00	0.00	0.02	0.00
4.38	1.30	0.00	0.00	0.02	0.00	4.40	1.35	0.00	0.00	0.02	0.00
4.42	1.36	0.00	0.00	0.02	0.00	4.44	1.24	0.00	0.00	0.02	0.00
4.46	1.21	0.00	0.00	0.02	0.00	4.48	1.25	0.00	0.00	0.02	0.00
4.50	1.19	0.00	0.00	0.02	0.00	4.52	1.11	0.00	0.00	0.02	0.00
4.54	0.98	0.00	0.00	0.02	0.00	4.56	0.92	0.00	0.00	0.02	0.01
4.58	0.95	0.00	0.00	0.02	0.01	4.60	0.97	0.00	0.00	0.02	0.00
4.62	1.02	0.00	0.00	0.02	0.00	4.64	1.10	0.00	0.00	0.02	0.00
4.66	1.13	0.00	0.00	0.02	0.00	4.68	1.13	0.00	0.00	0.02	0.00
4.70	1.11	0.00	0.00	0.02	0.00	4.72	1.07	0.00	0.00	0.02	0.00
4.74	1.06	0.00	0.00	0.02	0.00	4.76	1.08	0.00	0.00	0.02	0.00
4.78	1.08	0.00	0.00	0.02	0.00	4.80	1.10	0.00	0.00	0.02	0.00
4.82	1.11	0.00	0.00	0.02	0.00	4.84	1.15	0.00	0.00	0.02	0.00
4.86	1.17	0.00	0.00	0.02	0.00	4.88	1.17	0.00	0.00	0.02	0.00
4.90	1.18	0.00	0.00	0.02	0.00	4.92	1.18	0.00	0.00	0.02	0.00
4.94	1.18	0.00	0.00	0.02	0.00	4.96	1.17	0.00	0.00	0.02	0.00
4.98	1.16	0.00	0.00	0.02	0.00	5.00	1.08	0.00	0.00	0.02	0.00
5.02	1.08	0.00	0.00	0.02	0.00	5.04	1.08	0.00	0.00	0.02	0.00
5.06	1.09	0.00	0.00	0.02	0.00	5.08	1.21	0.00	0.00	0.02	0.00
5.10	1.09	0.00	0.00	0.02	0.00	5.12	1.09	0.00	0.00	0.02	0.00
5.14	1.10	0.00	0.00	0.02	0.00	5.16	1.10	0.00	0.00	0.02	0.00
5.19	1.10	0.00	0.00	0.03	0.00	5.20	1.09	0.00	0.00	0.01	0.00
5.22	1.08	0.00	0.00	0.02	0.00	5.24	1.06	0.00	0.00	0.02	0.00
5.26	1.07	0.00	0.00	0.02	0.00	5.28	1.16	0.00	0.00	0.02	0.00
5.30	1.29	0.00	0.00	0.02	0.00	5.32	1.36	0.00	0.00	0.02	0.00
5.34	1.30	0.00	0.00	0.02	0.00	5.36	1.21	0.00	0.00	0.02	0.00
5.38	1.12	0.00	0.00	0.02	0.00	5.40	1.08	0.00	0.00	0.02	0.00
5.42	1.07	0.00	0.00	0.02	0.00	5.44	1.07	0.00	0.00	0.02	0.00
5.46	1.09	0.00	0.00	0.02	0.00	5.48	1.10	0.00	0.00	0.02	0.00
5.50	1.07	0.00	0.00	0.02	0.00	5.52	1.04	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.54	1.04	0.00	0.00	0.02	0.00	5.56	1.06	0.00	0.00	0.02	0.00
5.58	1.06	0.00	0.00	0.02	0.00	5.60	1.02	0.00	0.00	0.02	0.00
5.62	0.97	0.00	0.00	0.02	0.00	5.64	0.92	0.00	0.00	0.02	0.01
5.66	0.87	0.00	0.00	0.02	0.02	5.68	0.83	0.00	0.00	0.02	0.02
5.70	0.84	0.00	0.00	0.02	0.02	5.72	0.86	0.00	0.00	0.02	0.02
5.74	0.86	0.00	0.00	0.02	0.02	5.76	0.86	0.00	0.00	0.02	0.02
5.78	0.85	0.00	0.00	0.02	0.02	5.80	0.86	0.00	0.00	0.02	0.02
5.82	0.87	0.00	0.00	0.02	0.02	5.84	0.89	0.00	0.00	0.02	0.02
5.86	0.90	0.00	0.00	0.02	0.01	5.88	0.91	0.00	0.00	0.02	0.01
5.90	0.91	0.00	0.00	0.02	0.01	5.92	0.91	0.00	0.00	0.02	0.01
5.94	0.91	0.00	0.00	0.02	0.01	5.96	0.93	0.00	0.00	0.02	0.01
5.98	0.88	0.00	0.00	0.02	0.02	6.00	0.88	0.00	0.00	0.02	0.02
6.02	0.88	0.00	0.00	0.02	0.02	6.04	0.89	0.00	0.00	0.02	0.02
6.06	0.90	0.00	0.00	0.02	0.01	6.08	0.91	0.00	0.00	0.02	0.01
6.10	0.91	0.00	0.00	0.02	0.01	6.12	1.00	0.00	0.00	0.02	0.00
6.14	1.09	0.00	0.00	0.02	0.00	6.16	1.20	0.00	0.00	0.02	0.00
6.18	1.31	0.00	0.00	0.02	0.00	6.20	1.55	0.00	0.00	0.02	0.00
6.22	1.79	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	1.97	0.00	0.00	0.02	0.00
6.34	1.68	0.00	0.00	0.02	0.00	6.36	1.41	0.00	0.00	0.02	0.00
6.38	1.24	0.00	0.00	0.02	0.00	6.40	1.19	0.00	0.00	0.02	0.00
6.42	1.20	0.00	0.00	0.02	0.00	6.44	1.21	0.00	0.00	0.02	0.00
6.46	1.19	0.00	0.00	0.02	0.00	6.48	1.15	0.00	0.00	0.02	0.00
6.50	1.12	0.00	0.00	0.02	0.00	6.52	1.06	0.00	0.00	0.02	0.00
6.54	0.99	0.00	0.00	0.02	0.00	6.56	0.93	0.00	0.00	0.02	0.01
6.58	0.88	0.00	0.00	0.02	0.02	6.60	0.85	0.00	0.00	0.02	0.02
6.62	0.85	0.00	0.00	0.02	0.02	6.64	0.86	0.00	0.00	0.02	0.02
6.66	0.88	0.00	0.00	0.02	0.02	6.68	0.91	0.00	0.00	0.02	0.01
6.70	0.91	0.00	0.00	0.02	0.01	6.72	0.88	0.00	0.00	0.02	0.02
6.74	0.87	0.00	0.00	0.02	0.02	6.76	0.89	0.00	0.00	0.02	0.02
6.78	0.90	0.00	0.00	0.02	0.01	6.80	0.88	0.00	0.00	0.02	0.02
6.82	0.85	0.00	0.00	0.02	0.02	6.84	0.82	0.00	0.00	0.02	0.02
6.86	0.83	0.00	0.00	0.02	0.02	6.88	0.84	0.00	0.00	0.02	0.02
6.90	0.85	0.00	0.00	0.02	0.02	6.92	0.86	0.00	0.00	0.02	0.02
6.94	0.86	0.00	0.00	0.02	0.02	6.96	0.86	0.00	0.00	0.02	0.02
6.98	0.86	0.00	0.00	0.02	0.02	7.00	0.88	0.00	0.00	0.02	0.02
7.02	0.90	0.00	0.00	0.02	0.01	7.04	0.89	0.00	0.00	0.02	0.01
7.06	0.88	0.00	0.00	0.02	0.02	7.08	0.88	0.00	0.00	0.02	0.02
7.10	0.89	0.00	0.00	0.02	0.01	7.12	0.90	0.00	0.00	0.02	0.01
7.14	0.90	0.00	0.00	0.02	0.01	7.16	0.89	0.00	0.00	0.02	0.01
7.18	0.88	0.00	0.00	0.02	0.02	7.20	0.89	0.00	0.00	0.02	0.01
7.22	0.89	0.00	0.00	0.02	0.01	7.24	0.88	0.00	0.00	0.02	0.02
7.26	0.86	0.00	0.00	0.02	0.02	7.28	0.85	0.00	0.00	0.02	0.02
7.30	0.86	0.00	0.00	0.02	0.02	7.32	0.86	0.00	0.00	0.02	0.02
7.34	0.87	0.00	0.00	0.02	0.02	7.36	0.86	0.00	0.00	0.02	0.02
7.38	0.87	0.00	0.00	0.02	0.02	7.40	0.87	0.00	0.00	0.02	0.02
7.42	0.86	0.00	0.00	0.02	0.02	7.44	0.88	0.00	0.00	0.02	0.02
7.46	0.89	0.00	0.00	0.02	0.01	7.48	0.87	0.00	0.00	0.02	0.02

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.50	0.86	0.00	0.00	0.02	0.02	7.52	0.86	0.00	0.00	0.02	0.02
7.54	0.87	0.00	0.00	0.02	0.02	7.56	0.88	0.00	0.00	0.02	0.02
7.58	0.90	0.00	0.00	0.02	0.01	7.60	0.92	0.00	0.00	0.02	0.01
7.62	0.92	0.00	0.00	0.02	0.01	7.64	0.91	0.00	0.00	0.02	0.01
7.66	0.89	0.00	0.00	0.02	0.01	7.68	0.88	0.00	0.00	0.02	0.01
7.70	0.90	0.00	0.00	0.02	0.01	7.72	0.91	0.00	0.00	0.02	0.01
7.74	0.92	0.00	0.00	0.02	0.01	7.76	0.92	0.00	0.00	0.02	0.01
7.78	0.91	0.00	0.00	0.02	0.01	7.80	0.91	0.00	0.00	0.02	0.01
7.82	0.91	0.00	0.00	0.02	0.01	7.84	0.91	0.00	0.00	0.02	0.01
7.86	0.92	0.00	0.00	0.02	0.01	7.88	0.92	0.00	0.00	0.02	0.01
7.90	0.91	0.00	0.00	0.02	0.01	7.92	0.88	0.00	0.00	0.02	0.01
7.94	0.87	0.00	0.00	0.02	0.02	7.96	0.89	0.00	0.00	0.02	0.01
7.98	0.86	0.00	0.00	0.02	0.02	8.00	0.86	0.00	0.00	0.02	0.02
8.02	0.86	0.00	0.00	0.02	0.02	8.04	0.87	0.00	0.00	0.02	0.02
8.06	0.88	0.00	0.00	0.02	0.01	8.08	0.84	0.00	0.00	0.02	0.02
8.10	0.88	0.00	0.00	0.02	0.01	8.12	0.93	0.00	0.00	0.02	0.01
8.14	0.94	0.00	0.00	0.02	0.01	8.16	0.89	0.00	0.00	0.02	0.01
8.18	0.85	0.00	0.00	0.02	0.02	8.20	0.82	0.00	0.00	0.02	0.02
8.22	0.81	0.00	0.00	0.02	0.02	8.24	0.81	0.00	0.00	0.02	0.02
8.26	0.80	0.00	0.00	0.02	0.02	8.28	0.80	0.00	0.00	0.02	0.02
8.30	0.82	0.00	0.00	0.02	0.02	8.32	0.83	0.00	0.00	0.02	0.02
8.34	0.84	0.00	0.00	0.02	0.02	8.36	0.85	0.00	0.00	0.02	0.02
8.38	0.86	0.00	0.00	0.02	0.02	8.40	0.86	0.00	0.00	0.02	0.02
8.42	0.86	0.00	0.00	0.02	0.02	8.44	0.83	0.00	0.00	0.02	0.02
8.46	0.81	0.00	0.00	0.02	0.02	8.48	0.79	0.00	0.00	0.02	0.02
8.50	0.79	0.00	0.00	0.02	0.02	8.52	0.81	0.00	0.00	0.02	0.02
8.54	0.82	0.00	0.00	0.02	0.02	8.56	0.85	0.00	0.00	0.02	0.02
8.58	0.85	0.00	0.00	0.02	0.02	8.60	0.86	0.00	0.00	0.02	0.02
8.62	0.86	0.00	0.00	0.02	0.02	8.64	0.86	0.00	0.00	0.02	0.02
8.66	0.87	0.00	0.00	0.02	0.01	8.68	0.87	0.00	0.00	0.02	0.01
8.70	0.87	0.00	0.00	0.02	0.01	8.72	0.87	0.00	0.00	0.02	0.02
8.74	0.86	0.00	0.00	0.02	0.02	8.76	0.87	0.00	0.00	0.02	0.01
8.78	0.88	0.00	0.00	0.02	0.01	8.80	0.87	0.00	0.00	0.02	0.01
8.82	0.83	0.00	0.00	0.02	0.02	8.84	0.80	0.00	0.00	0.02	0.02
8.86	0.80	0.00	0.00	0.02	0.02	8.88	0.80	0.00	0.00	0.02	0.02
8.90	0.81	0.00	0.00	0.02	0.02	8.92	0.81	0.00	0.00	0.02	0.02
8.94	0.82	0.00	0.00	0.02	0.02	8.96	0.85	0.00	0.00	0.02	0.02
8.98	0.84	0.00	0.00	0.02	0.02	9.00	0.85	0.00	0.00	0.02	0.02
9.02	0.86	0.00	0.00	0.02	0.02	9.04	0.84	0.00	0.00	0.02	0.02
9.06	0.85	0.00	0.00	0.02	0.02	9.08	0.85	0.00	0.00	0.02	0.02
9.10	0.85	0.00	0.00	0.02	0.02	9.12	0.85	0.00	0.00	0.02	0.02
9.14	0.85	0.00	0.00	0.02	0.02	9.16	0.86	0.00	0.00	0.02	0.02
9.18	0.86	0.00	0.00	0.02	0.01	9.20	0.87	0.00	0.00	0.02	0.01
9.22	0.88	0.00	0.00	0.02	0.01	9.24	0.88	0.00	0.00	0.02	0.01
9.26	0.88	0.00	0.00	0.02	0.01	9.28	0.88	0.00	0.00	0.02	0.01
9.30	0.89	0.00	0.00	0.02	0.01	9.32	0.90	0.00	0.00	0.02	0.01
9.34	0.91	0.00	0.00	0.02	0.01	9.36	0.91	0.00	0.00	0.02	0.01
9.38	0.90	0.00	0.00	0.02	0.01	9.40	0.89	0.00	0.00	0.02	0.01
9.42	0.89	0.00	0.00	0.02	0.01	9.44	0.90	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.46	0.88	0.00	0.00	0.02	0.01	9.48	0.87	0.00	0.00	0.02	0.01
9.50	0.86	0.00	0.00	0.02	0.01	9.52	0.88	0.00	0.00	0.02	0.01
9.54	0.90	0.00	0.00	0.02	0.01	9.56	0.88	0.00	0.00	0.02	0.01
9.58	0.88	0.00	0.00	0.02	0.01	9.60	0.87	0.00	0.00	0.02	0.01
9.62	0.85	0.00	0.00	0.02	0.02	9.64	0.83	0.00	0.00	0.02	0.02
9.66	0.81	0.00	0.00	0.02	0.02	9.68	0.79	0.00	0.00	0.02	0.02
9.70	0.79	0.00	0.00	0.02	0.02	9.72	0.81	0.00	0.00	0.02	0.02
9.74	0.81	0.00	0.00	0.02	0.02	9.76	0.80	0.00	0.00	0.02	0.02
9.78	0.81	0.00	0.00	0.02	0.02	9.80	0.85	0.00	0.00	0.02	0.02
9.82	0.86	0.00	0.00	0.02	0.01	9.84	0.87	0.00	0.00	0.02	0.01
9.86	0.86	0.00	0.00	0.02	0.01	9.88	0.83	0.00	0.00	0.02	0.02
9.90	0.80	0.00	0.00	0.02	0.02	9.92	0.80	0.00	0.00	0.02	0.02
9.94	0.82	0.00	0.00	0.02	0.02	9.96	0.85	0.00	0.00	0.02	0.02
9.98	0.85	0.00	0.00	0.02	0.02	10.00	0.86	0.00	0.00	0.02	0.01
10.02	0.87	0.00	0.00	0.02	0.01	10.04	0.88	0.00	0.00	0.02	0.01
10.06	0.90	0.00	0.00	0.02	0.01	10.08	0.89	0.00	0.00	0.02	0.01
10.10	0.89	0.00	0.00	0.02	0.01	10.12	0.89	0.00	0.00	0.02	0.01
10.14	0.91	0.00	0.00	0.02	0.01	10.16	0.89	0.00	0.00	0.02	0.01
10.18	0.86	0.00	0.00	0.02	0.01	10.20	0.84	0.00	0.00	0.02	0.02
10.22	0.82	0.00	0.00	0.02	0.02	10.24	0.81	0.00	0.00	0.02	0.02
10.26	0.81	0.00	0.00	0.02	0.02	10.28	0.81	0.00	0.00	0.02	0.02
10.30	0.85	0.00	0.00	0.02	0.01	10.32	0.84	0.00	0.00	0.02	0.02
10.34	0.85	0.00	0.00	0.02	0.01	10.36	0.86	0.00	0.00	0.02	0.01
10.38	0.87	0.00	0.00	0.02	0.01	10.40	0.90	0.00	0.00	0.02	0.01
10.42	0.90	0.00	0.00	0.02	0.01	10.44	0.89	0.00	0.00	0.02	0.01
10.46	0.88	0.00	0.00	0.02	0.01	10.48	0.87	0.00	0.00	0.02	0.01
10.50	0.87	0.00	0.00	0.02	0.01	10.52	0.87	0.00	0.00	0.02	0.01
10.54	0.87	0.00	0.00	0.02	0.01	10.56	0.86	0.00	0.00	0.02	0.01
10.58	0.84	0.00	0.00	0.02	0.01	10.60	0.84	0.00	0.00	0.02	0.02
10.62	0.85	0.00	0.00	0.02	0.01	10.64	0.84	0.00	0.00	0.02	0.01
10.66	0.84	0.00	0.00	0.02	0.01	10.68	0.83	0.00	0.00	0.02	0.02
10.70	0.84	0.00	0.00	0.02	0.02	10.72	0.85	0.00	0.00	0.02	0.01
10.74	0.86	0.00	0.00	0.02	0.01	10.76	0.86	0.00	0.00	0.02	0.01
10.78	0.84	0.00	0.00	0.02	0.01	10.80	0.84	0.00	0.00	0.02	0.01
10.82	0.84	0.00	0.00	0.02	0.01	10.84	0.84	0.00	0.00	0.02	0.01
10.86	0.84	0.00	0.00	0.02	0.01	10.88	0.83	0.00	0.00	0.02	0.02
10.90	0.82	0.00	0.00	0.02	0.02	10.92	0.82	0.00	0.00	0.02	0.02
10.94	0.82	0.00	0.00	0.02	0.02	10.96	0.86	0.00	0.00	0.02	0.01
10.98	0.86	0.00	0.00	0.02	0.01	11.00	0.84	0.00	0.00	0.02	0.01
11.02	0.82	0.00	0.00	0.02	0.02	11.04	0.82	0.00	0.00	0.02	0.02
11.06	0.83	0.00	0.00	0.02	0.02	11.08	0.83	0.00	0.00	0.02	0.02
11.10	0.83	0.00	0.00	0.02	0.02	11.12	0.83	0.00	0.00	0.02	0.02
11.14	0.84	0.00	0.00	0.02	0.01	11.16	0.87	0.00	0.00	0.02	0.01
11.18	0.88	0.00	0.00	0.02	0.01	11.20	0.87	0.00	0.00	0.02	0.01
11.22	0.90	0.00	0.00	0.02	0.01	11.24	0.88	0.00	0.00	0.02	0.01
11.26	0.83	0.00	0.00	0.02	0.01	11.28	0.83	0.00	0.00	0.02	0.02
11.30	0.84	0.00	0.00	0.02	0.01	11.32	0.84	0.00	0.00	0.02	0.01
11.34	0.84	0.00	0.00	0.02	0.01	11.36	0.85	0.00	0.00	0.02	0.01
11.37	0.87	0.00	0.00	0.02	0.01	11.39	0.91	0.00	0.00	0.02	0.01

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.41	0.97	0.00	0.00	0.02	0.00	11.43	1.05	0.00	0.00	0.02	0.00
11.45	1.08	0.00	0.00	0.02	0.00	11.47	1.05	0.00	0.00	0.02	0.00
11.49	0.98	0.00	0.00	0.02	0.00	11.51	0.93	0.00	0.00	0.02	0.01
11.53	0.89	0.00	0.00	0.02	0.01	11.55	0.85	0.00	0.00	0.02	0.01
11.57	0.82	0.00	0.00	0.02	0.01	11.59	0.82	0.00	0.00	0.02	0.02
11.61	0.82	0.00	0.00	0.02	0.01	11.63	0.83	0.00	0.00	0.02	0.01
11.65	0.87	0.00	0.00	0.02	0.01	11.67	0.92	0.00	0.00	0.02	0.01
11.69	0.92	0.00	0.00	0.02	0.01	11.71	0.90	0.00	0.00	0.02	0.01
11.73	0.86	0.00	0.00	0.02	0.01	11.75	0.84	0.00	0.00	0.02	0.01
11.77	0.84	0.00	0.00	0.02	0.01	11.79	0.85	0.00	0.00	0.02	0.01
11.81	0.85	0.00	0.00	0.02	0.01	11.83	0.85	0.00	0.00	0.02	0.01
11.85	0.85	0.00	0.00	0.02	0.01	11.87	0.84	0.00	0.00	0.02	0.01
11.89	0.88	0.00	0.00	0.02	0.01	11.91	0.96	0.00	0.00	0.02	0.00
11.93	1.04	0.00	0.00	0.02	0.00	11.95	1.13	0.00	0.00	0.02	0.00
11.97	1.18	0.00	0.00	0.02	0.00	11.99	1.17	0.00	0.00	0.02	0.00
12.01	1.18	0.00	0.00	0.02	0.00	12.03	1.07	0.00	0.00	0.02	0.00
12.05	1.25	0.00	0.00	0.02	0.00	12.07	1.23	0.00	0.00	0.02	0.00
12.09	1.18	0.00	0.00	0.02	0.00	12.11	1.16	0.00	0.00	0.02	0.00
12.13	1.19	0.00	0.00	0.02	0.00	12.15	1.23	0.00	0.00	0.02	0.00
12.17	1.25	0.00	0.00	0.02	0.00	12.19	1.22	0.00	0.00	0.02	0.00
12.21	1.13	0.00	0.00	0.02	0.00	12.23	1.07	0.00	0.00	0.02	0.00
12.25	1.05	0.00	0.00	0.02	0.00	12.27	1.05	0.00	0.00	0.02	0.00
12.29	1.09	0.00	0.00	0.02	0.00	12.31	1.17	0.00	0.00	0.02	0.00
12.33	1.25	0.00	0.00	0.02	0.00	12.35	1.36	0.00	0.00	0.02	0.00
12.37	1.49	0.00	0.00	0.02	0.00	12.39	1.50	0.00	0.00	0.02	0.00
12.41	1.46	0.00	0.00	0.02	0.00	12.43	1.42	0.00	0.00	0.02	0.00
12.45	1.47	0.00	0.00	0.02	0.00	12.47	1.62	0.00	0.00	0.02	0.00
12.49	1.76	0.00	0.00	0.02	0.00	12.51	1.85	0.00	0.00	0.02	0.00
12.53	1.85	0.00	0.00	0.02	0.00	12.55	1.78	0.00	0.00	0.02	0.00
12.57	1.65	0.00	0.00	0.02	0.00	12.59	1.51	0.00	0.00	0.02	0.00
12.61	1.43	0.00	0.00	0.02	0.00	12.63	1.47	0.00	0.00	0.02	0.00
12.65	1.56	0.00	0.00	0.02	0.00	12.67	1.64	0.00	0.00	0.02	0.00
12.69	1.70	0.00	0.00	0.02	0.00	12.71	1.70	0.00	0.00	0.02	0.00
12.73	1.61	0.00	0.00	0.02	0.00	12.75	1.47	0.00	0.00	0.02	0.00
12.77	1.38	0.00	0.00	0.02	0.00	12.79	1.36	0.00	0.00	0.02	0.00
12.81	1.39	0.00	0.00	0.02	0.00	12.83	1.43	0.00	0.00	0.02	0.00
12.85	1.40	0.00	0.00	0.02	0.00	12.87	1.30	0.00	0.00	0.02	0.00
12.89	1.16	0.00	0.00	0.02	0.00	12.91	1.11	0.00	0.00	0.02	0.00
12.93	1.10	0.00	0.00	0.02	0.00	12.95	1.13	0.00	0.00	0.02	0.00
12.97	1.13	0.00	0.00	0.02	0.00	12.99	1.15	0.00	0.00	0.02	0.00
13.01	1.16	0.00	0.00	0.02	0.00	13.03	0.96	0.00	0.00	0.02	0.00
13.05	1.16	0.00	0.00	0.02	0.00	13.07	1.17	0.00	0.00	0.02	0.00
13.09	1.14	0.00	0.00	0.02	0.00	13.11	1.08	0.00	0.00	0.02	0.00
13.13	1.03	0.00	0.00	0.02	0.00	13.15	0.97	0.00	0.00	0.02	0.00
13.17	0.92	0.00	0.00	0.02	0.01	13.19	0.92	0.00	0.00	0.02	0.01
13.21	0.94	0.00	0.00	0.02	0.00	13.23	1.00	0.00	0.00	0.02	0.00
13.25	1.03	0.00	0.00	0.02	0.00	13.27	1.10	0.00	0.00	0.02	0.00
13.29	1.23	0.00	0.00	0.02	0.00	13.31	1.40	0.00	0.00	0.02	0.00
13.33	1.46	0.00	0.00	0.02	0.00	13.35	1.37	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.37	1.25	0.00	0.00	0.02	0.00	13.39	1.15	0.00	0.00	0.02	0.00
13.41	1.07	0.00	0.00	0.02	0.00	13.43	1.01	0.00	0.00	0.02	0.00
13.45	0.98	0.00	0.00	0.02	0.00	13.47	0.96	0.00	0.00	0.02	0.00
13.49	0.95	0.00	0.00	0.02	0.00	13.51	0.94	0.00	0.00	0.02	0.00
13.53	0.94	0.00	0.00	0.02	0.00	13.55	0.95	0.00	0.00	0.02	0.00
13.57	0.98	0.00	0.00	0.02	0.00	13.59	1.02	0.00	0.00	0.02	0.00
13.61	1.06	0.00	0.00	0.02	0.00	13.63	1.09	0.00	0.00	0.02	0.00
13.65	1.13	0.00	0.00	0.02	0.00	13.67	1.20	0.00	0.00	0.02	0.00
13.69	1.23	0.00	0.00	0.02	0.00	13.71	1.21	0.00	0.00	0.02	0.00
13.73	1.14	0.00	0.00	0.02	0.00	13.75	1.06	0.00	0.00	0.02	0.00
13.77	0.99	0.00	0.00	0.02	0.00	13.79	0.96	0.00	0.00	0.02	0.00
13.81	0.96	0.00	0.00	0.02	0.00	13.83	0.99	0.00	0.00	0.02	0.00
13.85	1.04	0.00	0.00	0.02	0.00	13.87	1.04	0.00	0.00	0.02	0.00
13.89	1.01	0.00	0.00	0.02	0.00	13.91	0.96	0.00	0.00	0.02	0.00
13.93	0.95	0.00	0.00	0.02	0.00	13.95	0.97	0.00	0.00	0.02	0.00
13.97	1.33	0.00	0.00	0.02	0.00	13.99	1.60	0.00	0.00	0.02	0.00
14.01	1.68	0.00	0.00	0.02	0.00	14.03	1.67	0.00	0.00	0.02	0.00
14.05	1.33	0.00	0.00	0.02	0.00	14.07	1.16	0.00	0.00	0.02	0.00
14.09	1.35	0.00	0.00	0.02	0.00	14.11	1.17	0.00	0.00	0.02	0.00
14.13	1.42	0.00	0.00	0.02	0.00	14.15	1.99	0.00	0.00	0.02	0.00
14.17	2.00	0.00	0.00	0.02	0.00	14.19	2.00	0.00	0.00	0.02	0.00
14.21	1.97	0.00	0.00	0.02	0.00	14.23	1.70	0.00	0.00	0.02	0.00
14.25	1.65	0.00	0.00	0.02	0.00	14.27	1.67	0.00	0.00	0.02	0.00
14.29	1.54	0.00	0.00	0.02	0.00	14.31	1.31	0.00	0.00	0.02	0.00
14.33	1.14	0.00	0.00	0.02	0.00	14.35	1.26	0.00	0.00	0.02	0.00
14.37	1.23	0.00	0.00	0.02	0.00	14.39	1.14	0.00	0.00	0.02	0.00
14.41	1.18	0.00	0.00	0.02	0.00						

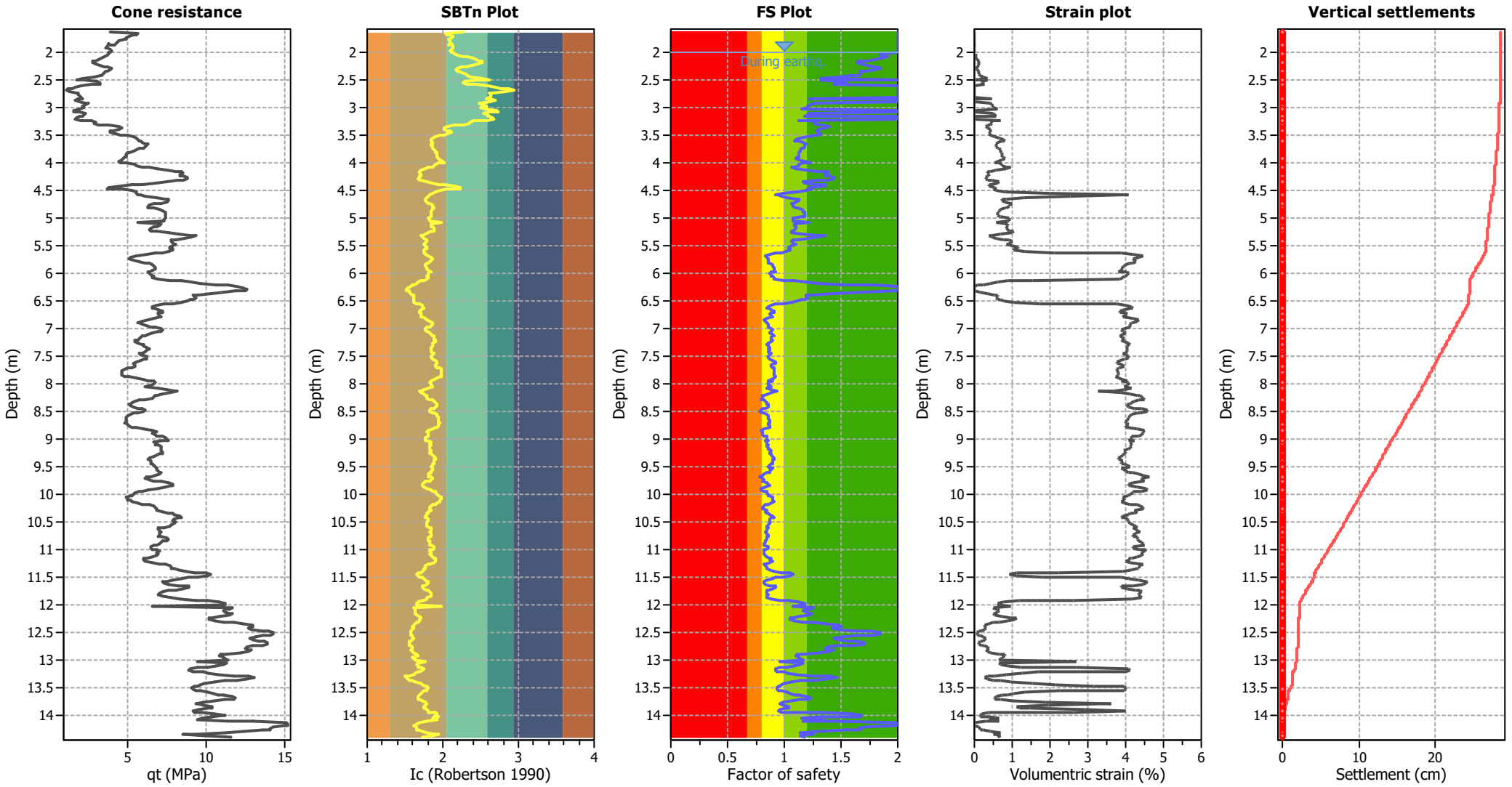
Overall liquefaction potential: 4.41

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.62	2.26	64.78	1.78	115.58	27	60780	0.08	0.004	0.00	3.58	0.00	0.000
1.64	2.04	94.61	1.34	126.96	27	67006	0.08	0.004	0.00	3.58	0.00	0.000
1.66	2.06	92.74	1.36	126.43	27	67339	0.07	0.004	0.00	3.58	0.00	0.000
1.68	2.10	89.50	1.42	127.24	28	68757	0.07	0.004	0.00	3.58	0.00	0.000
1.70	2.13	84.99	1.46	124.37	27	67475	0.08	0.004	0.00	3.58	0.00	0.000
1.72	2.11	82.92	1.43	118.63	26	64184	0.08	0.004	0.00	3.58	0.00	0.000
1.74	2.07	82.68	1.38	114.17	24	61160	0.08	0.005	0.00	3.58	0.00	0.000
1.76	2.07	80.72	1.38	111.13	24	59460	0.08	0.005	0.00	3.58	0.00	0.000
1.78	2.10	75.24	1.41	106.26	23	57332	0.08	0.005	0.00	3.58	0.00	0.000
1.80	2.09	72.61	1.41	102.45	22	55262	0.08	0.006	0.00	3.58	0.00	0.000
1.87	2.08	69.24	1.40	96.65	21	51974	0.08	0.006	0.01	3.58	0.00	0.000
1.87	2.10	65.67	1.41	92.93	20	50162	0.08	0.006	0.01	3.58	0.00	0.000
1.82	2.11	63.10	1.44	90.96	20	49269	0.08	0.006	0.01	3.58	0.00	0.000
1.88	2.13	61.48	1.47	90.34	20	49025	0.08	0.007	0.01	3.58	0.00	0.000
1.90	2.14	61.09	1.49	90.82	20	49310	0.08	0.007	0.01	3.58	0.00	0.000
1.92	2.14	62.50	1.48	92.59	20	50264	0.08	0.007	0.01	3.58	0.00	0.000
1.94	2.12	64.78	1.44	93.59	20	50709	0.08	0.007	0.01	3.58	0.00	0.000
1.96	2.10	66.33	1.42	93.88	20	50682	0.08	0.007	0.01	3.58	0.00	0.000
1.98	2.11	64.55	1.44	93.06	20	50409	0.08	0.007	0.01	3.58	0.00	0.000
2.00	2.13	63.30	1.46	92.73	20	50316	0.08	0.007	0.01	3.58	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	111.62	1.84	0.05	1.00	0.00	2.04	112.05	1.84	0.05	1.00	0.00
2.06	113.18	1.87	0.05	1.00	0.00	2.08	114.88	1.91	0.03	1.00	0.00
2.10	113.53	1.86	0.05	1.00	0.00	2.12	111.33	1.79	0.07	1.00	0.00
2.14	109.17	1.73	0.10	1.00	0.00	2.16	106.15	1.65	0.13	1.00	0.00
2.18	106.36	1.65	0.13	1.00	0.00	2.20	107.92	1.68	0.12	1.00	0.00
2.22	110.54	1.73	0.10	1.00	0.00	2.24	112.80	1.78	0.08	1.00	0.00
2.26	113.80	1.80	0.07	1.00	0.00	2.28	115.59	1.85	0.05	1.00	0.00
2.30	113.93	1.79	0.08	1.00	0.00	2.32	111.44	1.72	0.11	1.00	0.00
2.34	109.55	1.67	0.13	1.00	0.00	2.36	110.42	1.68	0.12	1.00	0.00
2.38	110.25	1.67	0.13	1.00	0.00	2.40	109.89	1.66	0.14	1.00	0.00
2.42	107.34	1.59	0.17	1.00	0.00	2.44	102.86	1.49	0.22	1.00	0.00
2.46	93.37	1.32	0.33	1.00	0.01	2.48	28.61	2.00	0.00	1.00	0.00
2.50	93.35	1.32	0.34	1.00	0.01	2.52	102.44	1.46	0.24	1.00	0.00
2.54	106.18	1.53	0.20	1.00	0.00	2.56	107.78	1.56	0.19	1.00	0.00
2.58	101.57	1.43	0.26	1.00	0.01	2.60	32.09	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.62	26.42	2.00	0.00	1.00	0.00	2.64	23.12	2.00	0.00	1.00	0.00
2.66	19.50	2.00	0.00	1.00	0.00	2.68	17.71	2.00	0.00	1.00	0.00
2.70	20.98	2.00	0.00	1.00	0.00	2.72	26.53	2.00	0.00	1.00	0.00
2.74	28.16	2.00	0.00	1.00	0.00	2.76	28.41	2.00	0.00	1.00	0.00
2.78	29.68	2.00	0.00	1.00	0.00	2.80	31.33	2.00	0.00	1.00	0.00
2.82	91.18	1.22	0.47	1.00	0.01	2.84	27.78	2.00	0.00	1.00	0.00
2.86	25.21	2.00	0.00	1.00	0.00	2.88	28.80	2.00	0.00	1.00	0.00
2.90	94.25	1.25	0.44	1.00	0.01	2.92	96.53	1.28	0.41	1.00	0.01
2.94	93.54	1.23	0.46	1.00	0.01	2.96	91.24	1.20	0.51	1.00	0.01
2.98	91.88	1.21	0.51	1.00	0.01	3.00	92.54	1.21	0.50	1.00	0.01
3.02	88.30	1.15	0.61	1.00	0.01	3.04	24.00	2.00	0.00	1.00	0.00
3.06	23.96	2.00	0.00	1.00	0.00	3.08	28.87	2.00	0.00	1.00	0.00
3.10	94.00	1.22	0.50	1.00	0.01	3.12	92.99	1.20	0.53	1.00	0.01
3.14	91.62	1.18	0.57	1.00	0.01	3.16	29.28	2.00	0.00	1.00	0.00
3.18	26.01	2.00	0.00	1.00	0.00	3.20	24.97	2.00	0.00	1.00	0.00
3.22	88.12	1.12	0.70	1.00	0.01	3.24	96.64	1.24	0.48	1.00	0.01
3.26	99.62	1.28	0.43	1.00	0.01	3.28	98.93	1.27	0.45	1.00	0.01
3.30	100.71	1.29	0.42	1.00	0.01	3.32	104.40	1.35	0.36	1.00	0.01
3.34	107.33	1.40	0.31	1.00	0.01	3.36	105.33	1.36	0.35	1.00	0.01
3.38	102.23	1.31	0.41	1.00	0.01	3.40	100.84	1.28	0.43	1.00	0.01
3.42	101.59	1.29	0.42	1.00	0.01	3.44	102.40	1.30	0.41	1.00	0.01
3.46	103.56	1.32	0.39	1.00	0.01	3.48	103.01	1.31	0.41	1.00	0.01
3.50	101.46	1.28	0.44	1.00	0.01	3.52	97.11	1.21	0.54	1.00	0.01
3.54	92.59	1.14	0.67	1.00	0.01	3.56	89.72	1.11	0.78	1.00	0.02
3.59	88.99	1.09	0.83	1.00	0.02	3.60	91.64	1.13	0.72	1.00	0.01
3.62	94.87	1.17	0.62	1.00	0.01	3.64	96.66	1.19	0.58	1.00	0.01
3.66	96.57	1.19	0.58	1.00	0.01	3.68	96.52	1.18	0.59	1.00	0.01
3.70	96.68	1.18	0.59	1.00	0.01	3.72	96.08	1.17	0.61	1.00	0.01
3.74	94.63	1.15	0.66	1.00	0.01	3.76	94.24	1.14	0.68	1.00	0.01
3.78	94.26	1.14	0.68	1.00	0.01	3.80	93.72	1.13	0.71	1.00	0.01
3.82	93.68	1.13	0.72	1.00	0.01	3.84	93.59	1.13	0.72	1.00	0.01
3.86	93.38	1.12	0.74	1.00	0.01	3.88	93.55	1.12	0.74	1.00	0.01
3.90	92.71	1.11	0.78	1.00	0.02	3.92	92.19	1.10	0.81	1.00	0.02
3.94	94.20	1.13	0.73	1.00	0.01	3.96	97.73	1.17	0.62	1.00	0.01
3.98	101.37	1.23	0.53	1.00	0.01	4.00	97.16	1.16	0.64	1.00	0.01
4.02	95.14	1.13	0.72	1.00	0.01	4.04	95.19	1.13	0.72	1.00	0.01
4.06	92.45	1.10	0.84	1.00	0.02	4.08	90.09	1.07	0.98	1.00	0.02
4.10	92.88	1.10	0.83	1.00	0.02	4.12	99.99	1.19	0.58	1.00	0.01
4.14	106.60	1.30	0.43	1.00	0.01	4.16	111.01	1.38	0.34	1.00	0.01
4.18	111.37	1.39	0.34	1.00	0.01	4.20	109.98	1.36	0.37	1.00	0.01
4.22	109.84	1.35	0.37	1.00	0.01	4.24	111.76	1.39	0.34	1.00	0.01
4.26	113.89	1.44	0.30	1.00	0.01	4.28	114.10	1.44	0.30	1.00	0.01
4.30	111.34	1.38	0.35	1.00	0.01	4.32	106.71	1.29	0.45	1.00	0.01
4.34	98.76	1.16	0.66	1.00	0.01	4.36	100.32	1.18	0.61	1.00	0.01
4.38	107.53	1.30	0.44	1.00	0.01	4.40	110.55	1.35	0.37	1.00	0.01
4.42	110.63	1.36	0.37	1.00	0.01	4.44	104.14	1.24	0.52	1.00	0.01
4.46	102.29	1.21	0.57	1.00	0.01	4.48	105.04	1.25	0.50	1.00	0.01
4.50	101.69	1.19	0.59	1.00	0.01	4.52	95.89	1.11	0.80	1.00	0.02
4.54	84.98	0.98	2.01	1.00	0.04	4.56	78.93	0.92	4.06	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.58	81.62	0.95	3.93	1.00	0.08	4.60	83.83	0.97	2.54	1.00	0.05
4.62	89.24	1.02	1.30	1.00	0.03	4.64	95.86	1.10	0.83	1.00	0.02
4.66	98.22	1.13	0.73	1.00	0.01	4.68	97.94	1.13	0.75	1.00	0.01
4.70	96.43	1.11	0.82	1.00	0.02	4.72	93.93	1.07	0.95	1.00	0.02
4.74	93.24	1.06	1.00	1.00	0.02	4.76	94.28	1.08	0.94	1.00	0.02
4.78	94.30	1.08	0.94	1.00	0.02	4.80	96.47	1.10	0.83	1.00	0.02
4.82	97.07	1.11	0.81	1.00	0.02	4.84	100.09	1.15	0.69	1.00	0.01
4.86	101.27	1.17	0.65	1.00	0.01	4.88	101.55	1.17	0.65	1.00	0.01
4.90	102.23	1.18	0.63	1.00	0.01	4.92	102.29	1.18	0.63	1.00	0.01
4.94	102.18	1.18	0.63	1.00	0.01	4.96	102.09	1.17	0.64	1.00	0.01
4.98	101.09	1.16	0.67	1.00	0.01	5.00	95.31	1.08	0.93	1.00	0.02
5.02	95.46	1.08	0.93	1.00	0.02	5.04	95.69	1.08	0.92	1.00	0.02
5.06	96.09	1.09	0.90	1.00	0.02	5.08	104.86	1.21	0.57	1.00	0.01
5.10	96.71	1.09	0.87	1.00	0.02	5.12	96.83	1.09	0.87	1.00	0.02
5.14	97.28	1.10	0.85	1.00	0.02	5.16	97.36	1.10	0.85	1.00	0.02
5.19	97.24	1.10	0.86	1.00	0.03	5.20	96.79	1.09	0.88	1.00	0.01
5.22	96.04	1.08	0.93	1.00	0.02	5.24	94.60	1.06	1.02	1.00	0.02
5.26	95.14	1.07	0.99	1.00	0.02	5.28	101.74	1.16	0.68	1.00	0.01
5.30	109.87	1.29	0.45	1.00	0.01	5.32	113.35	1.36	0.38	1.00	0.01
5.34	110.28	1.30	0.45	1.00	0.01	5.36	105.15	1.21	0.58	1.00	0.01
5.38	99.56	1.12	0.78	1.00	0.02	5.40	96.71	1.08	0.92	1.00	0.02
5.42	95.60	1.07	0.99	1.00	0.02	5.44	96.03	1.07	0.96	1.00	0.02
5.46	97.55	1.09	0.88	1.00	0.02	5.48	98.08	1.10	0.86	1.00	0.02
5.50	95.71	1.07	0.99	1.00	0.02	5.52	93.68	1.04	1.15	1.00	0.02
5.54	93.43	1.04	1.17	1.00	0.02	5.56	95.09	1.06	1.04	1.00	0.02
5.58	95.10	1.06	1.05	1.00	0.02	5.60	91.91	1.02	1.34	1.00	0.03
5.62	87.86	0.97	2.11	1.00	0.04	5.64	82.47	0.92	3.89	1.00	0.08
5.66	76.63	0.87	4.18	1.00	0.08	5.68	71.61	0.83	4.45	1.00	0.09
5.70	73.35	0.84	4.35	1.00	0.09	5.72	75.90	0.86	4.22	1.00	0.08
5.74	76.00	0.86	4.21	1.00	0.08	5.76	75.45	0.86	4.24	1.00	0.08
5.78	75.23	0.85	4.25	1.00	0.09	5.80	76.34	0.86	4.19	1.00	0.08
5.82	77.93	0.87	4.11	1.00	0.08	5.84	80.06	0.89	4.01	1.00	0.08
5.86	80.98	0.90	3.96	1.00	0.08	5.88	81.88	0.91	3.92	1.00	0.08
5.90	82.38	0.91	3.90	1.00	0.08	5.92	82.08	0.91	3.91	1.00	0.08
5.94	82.46	0.91	3.89	1.00	0.08	5.96	83.97	0.93	3.83	1.00	0.08
5.98	79.41	0.88	4.04	1.00	0.08	6.00	78.70	0.88	4.07	1.00	0.08
6.02	79.23	0.88	4.05	1.00	0.08	6.04	80.32	0.89	3.99	1.00	0.08
6.06	81.40	0.90	3.94	1.00	0.08	6.08	82.03	0.91	3.91	1.00	0.08
6.10	83.12	0.91	3.86	1.00	0.08	6.12	91.54	1.00	1.53	1.00	0.03
6.14	98.97	1.09	0.89	1.00	0.02	6.16	106.01	1.20	0.61	1.00	0.01
6.18	112.61	1.31	0.43	1.00	0.01	6.20	122.56	1.55	0.23	1.00	0.00
6.22	130.38	1.79	0.09	1.00	0.00	6.24	136.32	2.00	0.00	1.00	0.00
6.26	139.90	2.00	0.00	1.00	0.00	6.28	143.22	2.00	0.00	1.00	0.00
6.30	142.10	2.00	0.00	1.00	0.00	6.32	134.81	1.97	0.01	1.00	0.00
6.34	127.25	1.68	0.14	1.00	0.00	6.36	117.40	1.41	0.33	1.00	0.01
6.38	108.76	1.24	0.53	1.00	0.01	6.40	106.12	1.19	0.61	1.00	0.01
6.42	106.36	1.20	0.61	1.00	0.01	6.44	107.07	1.21	0.59	1.00	0.01
6.46	105.77	1.19	0.63	1.00	0.01	6.48	103.43	1.15	0.71	1.00	0.01
6.50	101.54	1.12	0.79	1.00	0.02	6.52	97.09	1.06	1.03	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.54	90.94	0.99	1.73	1.00	0.03	6.56	84.95	0.93	3.78	1.00	0.08
6.58	79.96	0.88	4.01	1.00	0.08	6.60	77.07	0.85	4.15	1.00	0.08
6.62	76.59	0.85	4.18	1.00	0.08	6.64	77.46	0.86	4.13	1.00	0.08
6.66	80.63	0.88	3.98	1.00	0.08	6.68	83.26	0.91	3.86	1.00	0.08
6.70	83.43	0.91	3.85	1.00	0.08	6.72	80.46	0.88	3.99	1.00	0.08
6.74	79.60	0.87	4.03	1.00	0.08	6.76	80.88	0.89	3.97	1.00	0.08
6.78	82.09	0.90	3.91	1.00	0.08	6.80	80.62	0.88	3.98	1.00	0.08
6.82	76.46	0.85	4.19	1.00	0.08	6.84	73.31	0.82	4.36	1.00	0.09
6.86	74.47	0.83	4.29	1.00	0.09	6.88	76.07	0.84	4.21	1.00	0.08
6.90	77.19	0.85	4.15	1.00	0.08	6.92	78.23	0.86	4.10	1.00	0.08
6.94	77.78	0.86	4.12	1.00	0.08	6.96	77.79	0.86	4.12	1.00	0.08
6.98	78.22	0.86	4.10	1.00	0.08	7.00	80.84	0.88	3.97	1.00	0.08
7.02	82.37	0.90	3.90	1.00	0.08	7.04	81.45	0.89	3.94	1.00	0.08
7.06	80.72	0.88	3.97	1.00	0.08	7.08	80.45	0.88	3.99	1.00	0.08
7.10	82.03	0.89	3.91	1.00	0.08	7.12	83.41	0.90	3.85	1.00	0.08
7.14	83.35	0.90	3.85	1.00	0.08	7.16	81.63	0.89	3.93	1.00	0.08
7.18	80.86	0.88	3.97	1.00	0.08	7.20	81.44	0.89	3.94	1.00	0.08
7.22	82.33	0.89	3.90	1.00	0.08	7.24	81.05	0.88	3.96	1.00	0.08
7.26	78.81	0.86	4.07	1.00	0.08	7.28	77.59	0.85	4.13	1.00	0.08
7.30	78.72	0.86	4.07	1.00	0.08	7.32	79.10	0.86	4.05	1.00	0.08
7.34	79.20	0.87	4.05	1.00	0.08	7.36	79.12	0.86	4.05	1.00	0.08
7.38	79.29	0.87	4.04	1.00	0.08	7.40	79.47	0.87	4.03	1.00	0.08
7.42	79.17	0.86	4.05	1.00	0.08	7.44	80.50	0.88	3.99	1.00	0.08
7.46	81.72	0.89	3.93	1.00	0.08	7.48	79.91	0.87	4.01	1.00	0.08
7.50	78.34	0.86	4.09	1.00	0.08	7.52	78.84	0.86	4.07	1.00	0.08
7.54	79.88	0.87	4.01	1.00	0.08	7.56	80.74	0.88	3.97	1.00	0.08
7.58	83.26	0.90	3.86	1.00	0.08	7.60	85.13	0.92	3.77	1.00	0.08
7.62	85.59	0.92	3.75	1.00	0.08	7.64	84.29	0.91	3.81	1.00	0.08
7.66	82.02	0.89	3.91	1.00	0.08	7.68	81.36	0.88	3.94	1.00	0.08
7.70	83.39	0.90	3.85	1.00	0.08	7.72	84.51	0.91	3.80	1.00	0.08
7.74	85.05	0.92	3.78	1.00	0.08	7.76	85.08	0.92	3.78	1.00	0.08
7.78	84.77	0.91	3.79	1.00	0.08	7.80	84.47	0.91	3.80	1.00	0.08
7.82	84.71	0.91	3.79	1.00	0.08	7.84	84.75	0.91	3.79	1.00	0.08
7.86	85.64	0.92	3.75	1.00	0.08	7.88	85.80	0.92	3.75	1.00	0.07
7.90	84.01	0.91	3.82	1.00	0.08	7.92	81.44	0.88	3.94	1.00	0.08
7.94	79.44	0.87	4.04	1.00	0.08	7.96	82.64	0.89	3.88	1.00	0.08
7.98	78.66	0.86	4.07	1.00	0.08	8.00	78.90	0.86	4.06	1.00	0.08
8.02	78.88	0.86	4.06	1.00	0.08	8.04	79.58	0.87	4.03	1.00	0.08
8.06	81.06	0.88	3.96	1.00	0.08	8.08	76.81	0.84	4.17	1.00	0.08
8.10	80.96	0.88	3.96	1.00	0.08	8.12	86.95	0.93	3.70	1.00	0.07
8.14	87.71	0.94	3.27	1.00	0.07	8.16	82.30	0.89	3.90	1.00	0.08
8.18	78.01	0.85	4.11	1.00	0.08	8.20	74.41	0.82	4.30	1.00	0.09
8.22	72.75	0.81	4.39	1.00	0.09	8.24	72.15	0.81	4.42	1.00	0.09
8.26	71.60	0.80	4.45	1.00	0.09	8.28	70.65	0.80	4.51	1.00	0.09
8.30	73.30	0.82	4.36	1.00	0.09	8.32	75.33	0.83	4.25	1.00	0.08
8.34	76.74	0.84	4.17	1.00	0.08	8.36	77.63	0.85	4.13	1.00	0.08
8.38	79.05	0.86	4.06	1.00	0.08	8.40	79.13	0.86	4.05	1.00	0.08
8.42	78.26	0.86	4.09	1.00	0.08	8.44	75.55	0.83	4.23	1.00	0.08
8.46	72.37	0.81	4.41	1.00	0.09	8.48	69.69	0.79	4.57	1.00	0.09

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.50	69.56	0.79	4.58	1.00	0.09	8.52	72.49	0.81	4.40	1.00	0.09
8.54	74.09	0.82	4.31	1.00	0.09	8.56	77.07	0.85	4.16	1.00	0.08
8.58	77.97	0.85	4.11	1.00	0.08	8.60	78.95	0.86	4.06	1.00	0.08
8.62	78.54	0.86	4.08	1.00	0.08	8.64	78.96	0.86	4.06	1.00	0.08
8.66	79.74	0.87	4.02	1.00	0.08	8.68	80.03	0.87	4.01	1.00	0.08
8.70	79.91	0.87	4.01	1.00	0.08	8.72	79.38	0.87	4.04	1.00	0.08
8.74	78.98	0.86	4.06	1.00	0.08	8.76	79.86	0.87	4.02	1.00	0.08
8.78	80.51	0.88	3.98	1.00	0.08	8.80	79.51	0.87	4.03	1.00	0.08
8.82	74.47	0.83	4.29	1.00	0.09	8.84	71.08	0.80	4.48	1.00	0.09
8.86	71.72	0.80	4.45	1.00	0.09	8.88	71.56	0.80	4.46	1.00	0.09
8.90	71.73	0.81	4.45	1.00	0.09	8.92	72.33	0.81	4.41	1.00	0.09
8.94	73.41	0.82	4.35	1.00	0.09	8.96	77.09	0.85	4.15	1.00	0.08
8.98	76.77	0.84	4.17	1.00	0.08	9.00	77.45	0.85	4.14	1.00	0.08
9.02	78.49	0.86	4.08	1.00	0.08	9.04	75.92	0.84	4.21	1.00	0.08
9.06	77.57	0.85	4.13	1.00	0.08	9.08	76.93	0.85	4.16	1.00	0.08
9.10	77.28	0.85	4.14	1.00	0.08	9.12	77.74	0.85	4.12	1.00	0.08
9.14	77.38	0.85	4.14	1.00	0.08	9.16	78.14	0.86	4.10	1.00	0.08
9.18	78.98	0.86	4.06	1.00	0.08	9.20	79.88	0.87	4.01	1.00	0.08
9.22	80.68	0.88	3.98	1.00	0.08	9.24	80.25	0.88	4.00	1.00	0.08
9.26	80.25	0.88	4.00	1.00	0.08	9.28	80.68	0.88	3.98	1.00	0.08
9.30	81.46	0.89	3.94	1.00	0.08	9.32	82.91	0.90	3.87	1.00	0.08
9.34	84.32	0.91	3.81	1.00	0.08	9.36	84.11	0.91	3.82	1.00	0.08
9.38	83.10	0.90	3.86	1.00	0.08	9.40	82.12	0.89	3.91	1.00	0.08
9.42	82.26	0.89	3.90	1.00	0.08	9.44	82.92	0.90	3.87	1.00	0.08
9.46	80.66	0.88	3.98	1.00	0.08	9.48	79.00	0.87	4.06	1.00	0.08
9.50	78.18	0.86	4.10	1.00	0.08	9.52	80.11	0.88	4.00	1.00	0.08
9.54	82.82	0.90	3.88	1.00	0.08	9.56	81.00	0.88	3.96	1.00	0.08
9.58	80.24	0.88	4.00	1.00	0.08	9.60	78.96	0.87	4.06	1.00	0.08
9.62	76.57	0.85	4.18	1.00	0.08	9.64	73.75	0.83	4.33	1.00	0.09
9.66	71.41	0.81	4.47	1.00	0.09	9.68	68.71	0.79	4.63	1.00	0.09
9.70	69.16	0.79	4.60	1.00	0.09	9.72	72.15	0.81	4.42	1.00	0.09
9.74	72.17	0.81	4.42	1.00	0.09	9.76	70.52	0.80	4.52	1.00	0.09
9.78	71.78	0.81	4.44	1.00	0.09	9.80	76.33	0.85	4.19	1.00	0.08
9.82	78.35	0.86	4.09	1.00	0.08	9.84	78.56	0.87	4.08	1.00	0.08
9.86	77.64	0.86	4.13	1.00	0.08	9.88	74.23	0.83	4.31	1.00	0.09
9.90	70.02	0.80	4.55	1.00	0.09	9.92	69.69	0.80	4.57	1.00	0.09
9.94	72.43	0.82	4.41	1.00	0.09	9.96	76.37	0.85	4.19	1.00	0.08
9.98	76.40	0.85	4.19	1.00	0.08	10.00	77.54	0.86	4.13	1.00	0.08
10.02	78.28	0.87	4.09	1.00	0.08	10.04	79.63	0.88	4.03	1.00	0.08
10.06	82.03	0.90	3.91	1.00	0.08	10.08	81.38	0.89	3.94	1.00	0.08
10.10	81.26	0.89	3.95	1.00	0.08	10.12	81.37	0.89	3.94	1.00	0.08
10.14	82.93	0.91	3.87	1.00	0.08	10.16	80.90	0.89	3.97	1.00	0.08
10.18	77.63	0.86	4.13	1.00	0.08	10.20	74.43	0.84	4.29	1.00	0.09
10.22	72.80	0.82	4.39	1.00	0.09	10.24	71.38	0.81	4.47	1.00	0.09
10.26	71.37	0.81	4.47	1.00	0.09	10.28	71.62	0.81	4.45	1.00	0.09
10.30	75.65	0.85	4.23	1.00	0.08	10.32	74.37	0.84	4.30	1.00	0.09
10.34	75.88	0.85	4.22	1.00	0.08	10.36	77.69	0.86	4.12	1.00	0.08
10.38	78.27	0.87	4.09	1.00	0.08	10.40	81.42	0.90	3.94	1.00	0.08
10.42	82.29	0.90	3.90	1.00	0.08	10.44	80.53	0.89	3.98	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.46	79.06	0.88	4.05	1.00	0.08	10.48	78.77	0.87	4.07	1.00	0.08
10.50	78.42	0.87	4.09	1.00	0.08	10.52	78.54	0.87	4.08	1.00	0.08
10.54	77.83	0.87	4.12	1.00	0.08	10.56	76.33	0.86	4.19	1.00	0.08
10.58	74.99	0.84	4.26	1.00	0.09	10.60	74.39	0.84	4.30	1.00	0.09
10.62	76.03	0.85	4.21	1.00	0.08	10.64	74.69	0.84	4.28	1.00	0.09
10.66	74.33	0.84	4.30	1.00	0.09	10.68	72.80	0.83	4.38	1.00	0.09
10.70	73.97	0.84	4.32	1.00	0.09	10.72	75.08	0.85	4.26	1.00	0.09
10.74	76.11	0.86	4.20	1.00	0.08	10.76	76.22	0.86	4.20	1.00	0.08
10.78	74.46	0.84	4.29	1.00	0.09	10.80	74.12	0.84	4.31	1.00	0.09
10.82	74.32	0.84	4.30	1.00	0.09	10.84	73.76	0.84	4.33	1.00	0.09
10.86	73.59	0.84	4.34	1.00	0.09	10.88	72.36	0.83	4.41	1.00	0.09
10.90	71.40	0.82	4.47	1.00	0.09	10.92	71.23	0.82	4.48	1.00	0.09
10.94	71.12	0.82	4.48	1.00	0.09	10.96	76.46	0.86	4.19	1.00	0.08
10.98	76.13	0.86	4.20	1.00	0.08	11.00	73.35	0.84	4.35	1.00	0.09
11.02	70.48	0.82	4.52	1.00	0.09	11.04	70.62	0.82	4.51	1.00	0.09
11.06	71.96	0.83	4.43	1.00	0.09	11.08	71.90	0.83	4.44	1.00	0.09
11.10	71.73	0.83	4.45	1.00	0.09	11.12	72.07	0.83	4.43	1.00	0.09
11.14	73.87	0.84	4.33	1.00	0.09	11.16	76.94	0.87	4.16	1.00	0.08
11.18	78.66	0.88	4.07	1.00	0.08	11.20	77.55	0.87	4.13	1.00	0.08
11.22	80.15	0.90	4.00	1.00	0.08	11.24	77.84	0.88	4.12	1.00	0.08
11.26	72.05	0.83	4.43	1.00	0.09	11.28	71.40	0.83	4.47	1.00	0.09
11.30	72.76	0.84	4.39	1.00	0.09	11.32	73.59	0.84	4.34	1.00	0.09
11.34	73.44	0.84	4.35	1.00	0.09	11.36	74.52	0.85	4.29	1.00	0.09
11.37	77.01	0.87	4.16	1.00	0.08	11.39	81.68	0.91	3.93	1.00	0.08
11.41	87.39	0.97	2.24	1.00	0.04	11.43	94.39	1.05	1.10	1.00	0.02
11.45	96.79	1.08	0.94	1.00	0.02	11.47	94.34	1.05	1.10	1.00	0.02
11.49	88.77	0.98	1.83	1.00	0.04	11.51	82.76	0.93	3.88	1.00	0.08
11.53	78.98	0.89	4.06	1.00	0.08	11.55	73.45	0.85	4.35	1.00	0.09
11.57	70.49	0.82	4.52	1.00	0.09	11.59	69.60	0.82	4.57	1.00	0.09
11.61	70.41	0.82	4.52	1.00	0.09	11.63	71.25	0.83	4.47	1.00	0.09
11.65	76.08	0.87	4.21	1.00	0.08	11.67	82.29	0.92	3.90	1.00	0.08
11.69	82.33	0.92	3.90	1.00	0.08	11.71	79.17	0.90	4.05	1.00	0.08
11.73	75.03	0.86	4.26	1.00	0.09	11.75	72.64	0.84	4.39	1.00	0.09
11.77	72.32	0.84	4.41	1.00	0.09	11.79	73.41	0.85	4.35	1.00	0.09
11.81	73.28	0.85	4.36	1.00	0.09	11.83	73.83	0.85	4.33	1.00	0.09
11.85	73.07	0.85	4.37	1.00	0.09	11.87	72.37	0.84	4.41	1.00	0.09
11.89	76.93	0.88	4.16	1.00	0.08	11.91	85.78	0.96	2.62	1.00	0.05
11.93	92.66	1.04	1.18	1.00	0.02	11.95	99.84	1.13	0.75	1.00	0.01
11.97	103.52	1.18	0.62	1.00	0.01	11.99	102.49	1.17	0.65	1.00	0.01
12.01	103.36	1.18	0.62	1.00	0.01	12.03	95.40	1.07	0.96	1.00	0.02
12.05	107.48	1.25	0.51	1.00	0.01	12.07	106.32	1.23	0.53	1.00	0.01
12.09	103.17	1.18	0.62	1.00	0.01	12.11	101.97	1.16	0.66	1.00	0.01
12.13	103.43	1.19	0.61	1.00	0.01	12.15	106.00	1.23	0.54	1.00	0.01
12.17	107.12	1.25	0.51	1.00	0.01	12.19	105.38	1.22	0.55	1.00	0.01
12.21	99.61	1.13	0.74	1.00	0.01	12.23	94.88	1.07	0.97	1.00	0.02
12.25	93.00	1.05	1.10	1.00	0.02	12.27	93.28	1.05	1.07	1.00	0.02
12.29	96.46	1.09	0.87	1.00	0.02	12.31	101.70	1.17	0.66	1.00	0.01
12.33	107.09	1.25	0.50	1.00	0.01	12.35	112.85	1.36	0.37	1.00	0.01
12.37	118.25	1.49	0.27	1.00	0.01	12.39	118.86	1.50	0.25	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.41	117.17	1.46	0.28	1.00	0.01	12.43	115.45	1.42	0.32	1.00	0.01
12.45	117.56	1.47	0.28	1.00	0.01	12.47	122.99	1.62	0.18	1.00	0.00
12.49	127.59	1.76	0.10	1.00	0.00	12.51	129.99	1.85	0.06	1.00	0.00
12.53	129.89	1.85	0.06	1.00	0.00	12.55	128.16	1.78	0.09	1.00	0.00
12.57	123.85	1.65	0.16	1.00	0.00	12.59	118.82	1.51	0.25	1.00	0.00
12.61	115.71	1.43	0.31	1.00	0.01	12.63	117.20	1.47	0.28	1.00	0.01
12.65	120.78	1.56	0.21	1.00	0.00	12.67	123.55	1.64	0.16	1.00	0.00
12.69	125.42	1.70	0.13	1.00	0.00	12.71	125.57	1.70	0.13	1.00	0.00
12.73	122.40	1.61	0.18	1.00	0.00	12.75	116.86	1.47	0.28	1.00	0.01
12.77	112.91	1.38	0.35	1.00	0.01	12.79	112.12	1.36	0.37	1.00	0.01
12.81	113.28	1.39	0.35	1.00	0.01	12.83	115.28	1.43	0.31	1.00	0.01
12.85	113.64	1.40	0.34	1.00	0.01	12.87	108.83	1.30	0.44	1.00	0.01
12.89	100.24	1.16	0.67	1.00	0.01	12.91	96.61	1.11	0.80	1.00	0.02
12.93	96.09	1.10	0.82	1.00	0.02	12.95	98.03	1.13	0.74	1.00	0.01
12.97	98.27	1.13	0.73	1.00	0.01	12.99	99.01	1.15	0.70	1.00	0.01
13.01	100.32	1.16	0.65	1.00	0.01	13.03	83.63	0.96	2.69	1.00	0.05
13.05	99.73	1.16	0.67	1.00	0.01	13.07	100.51	1.17	0.64	1.00	0.01
13.09	98.74	1.14	0.70	1.00	0.01	13.11	94.20	1.08	0.90	1.00	0.02
13.13	89.55	1.03	1.24	1.00	0.02	13.15	83.38	0.97	2.70	1.00	0.05
13.17	78.82	0.92	4.07	1.00	0.08	13.19	78.17	0.92	4.10	1.00	0.08
13.21	80.49	0.94	3.99	1.00	0.08	13.23	86.21	1.00	1.70	1.00	0.03
13.25	88.93	1.03	1.29	1.00	0.03	13.27	94.98	1.10	0.84	1.00	0.02
13.29	104.12	1.23	0.53	1.00	0.01	13.31	112.90	1.40	0.34	1.00	0.01
13.33	115.88	1.46	0.28	1.00	0.01	13.35	111.41	1.37	0.36	1.00	0.01
13.37	105.10	1.25	0.50	1.00	0.01	13.39	98.23	1.15	0.70	1.00	0.01
13.41	92.36	1.07	0.97	1.00	0.02	13.43	86.66	1.01	1.55	1.00	0.03
13.45	84.08	0.98	2.15	1.00	0.04	13.47	82.14	0.96	3.14	1.00	0.06
13.49	80.70	0.95	3.98	1.00	0.08	13.51	80.10	0.94	4.00	1.00	0.08
13.53	79.96	0.94	4.01	1.00	0.08	13.55	80.81	0.95	3.97	1.00	0.08
13.57	83.55	0.98	2.26	1.00	0.05	13.59	87.67	1.02	1.35	1.00	0.03
13.61	90.83	1.06	1.04	1.00	0.02	13.63	93.54	1.09	0.87	1.00	0.02
13.65	96.49	1.13	0.74	1.00	0.01	13.67	101.32	1.20	0.58	1.00	0.01
13.69	103.54	1.23	0.52	1.00	0.01	13.71	102.17	1.21	0.56	1.00	0.01
13.73	97.43	1.14	0.70	1.00	0.01	13.75	90.89	1.06	1.02	1.00	0.02
13.77	84.27	0.99	1.90	1.00	0.04	13.79	80.98	0.96	3.60	1.00	0.07
13.81	81.18	0.96	3.37	1.00	0.07	13.83	83.91	0.99	1.96	1.00	0.04
13.85	89.25	1.04	1.12	1.00	0.02	13.87	88.59	1.04	1.18	1.00	0.02
13.89	86.09	1.01	1.48	1.00	0.03	13.91	81.53	0.96	2.93	1.00	0.06
13.93	80.17	0.95	4.00	1.00	0.08	13.95	81.98	0.97	2.61	1.00	0.05
13.97	108.55	1.33	0.40	1.00	0.01	13.99	120.33	1.60	0.18	1.00	0.00
14.01	122.94	1.68	0.14	1.00	0.00	14.03	122.70	1.67	0.15	1.00	0.00
14.05	108.09	1.33	0.40	1.00	0.01	14.07	97.68	1.16	0.66	1.00	0.01
14.09	109.06	1.35	0.38	1.00	0.01	14.11	98.35	1.17	0.64	1.00	0.01
14.13	112.67	1.42	0.31	1.00	0.01	14.15	131.55	1.99	0.00	1.00	0.00
14.17	132.57	2.00	0.00	1.00	0.00	14.19	132.09	2.00	0.00	1.00	0.00
14.21	131.08	1.97	0.01	1.00	0.00	14.23	123.41	1.70	0.13	1.00	0.00
14.25	121.64	1.65	0.16	1.00	0.00	14.27	122.15	1.67	0.15	1.00	0.00
14.29	117.43	1.54	0.22	1.00	0.00	14.31	106.65	1.31	0.42	1.00	0.01
14.33	95.83	1.14	0.70	1.00	0.01	14.35	103.52	1.26	0.48	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.37	101.94	1.23	0.52	1.00	0.01	14.39	95.40	1.14	0.71	1.00	0.01
14.41	98.58	1.18	0.61	1.00	0.01						

Total estimated settlement: 28.55

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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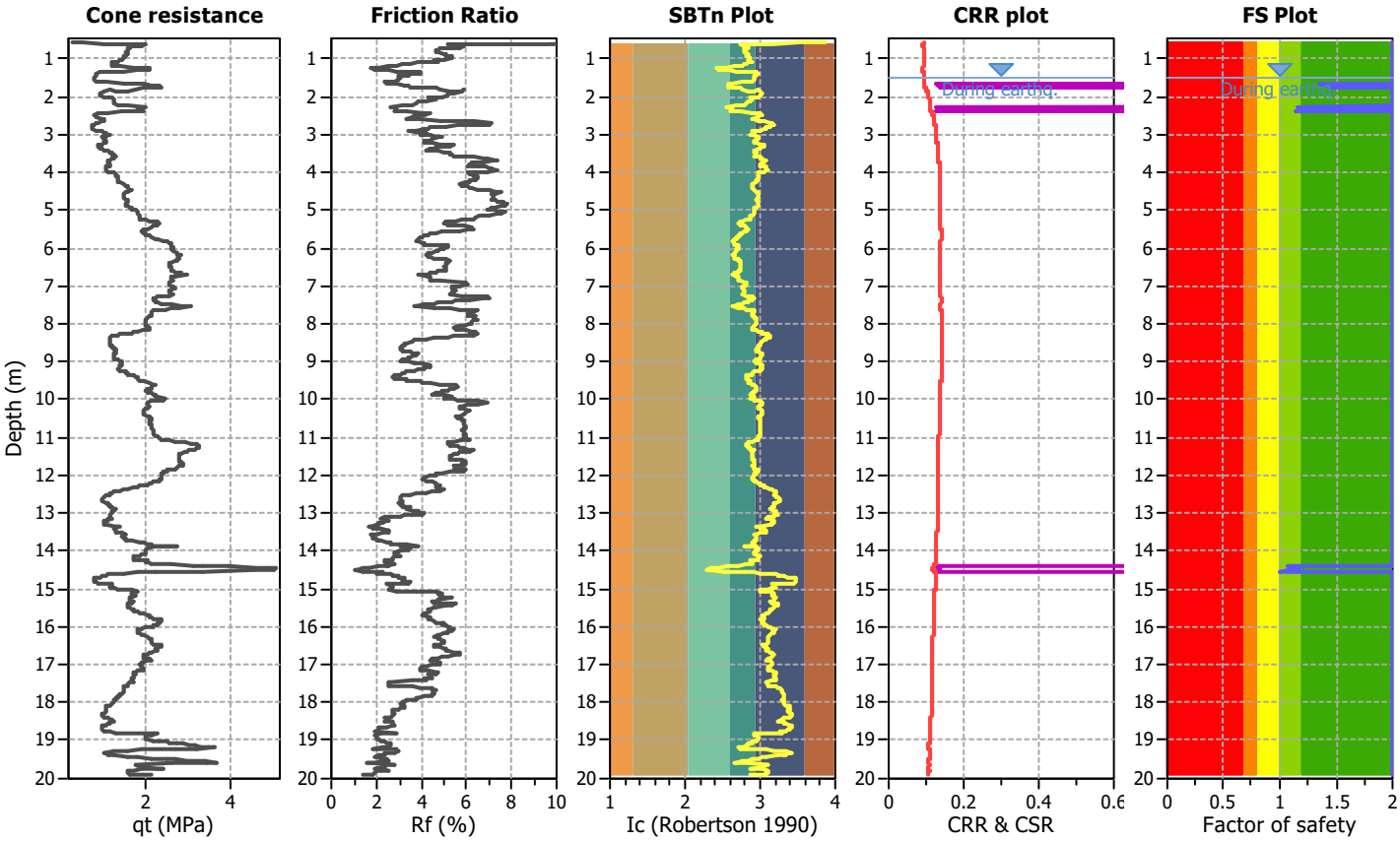
LIQUEFACTION ANALYSIS REPORT

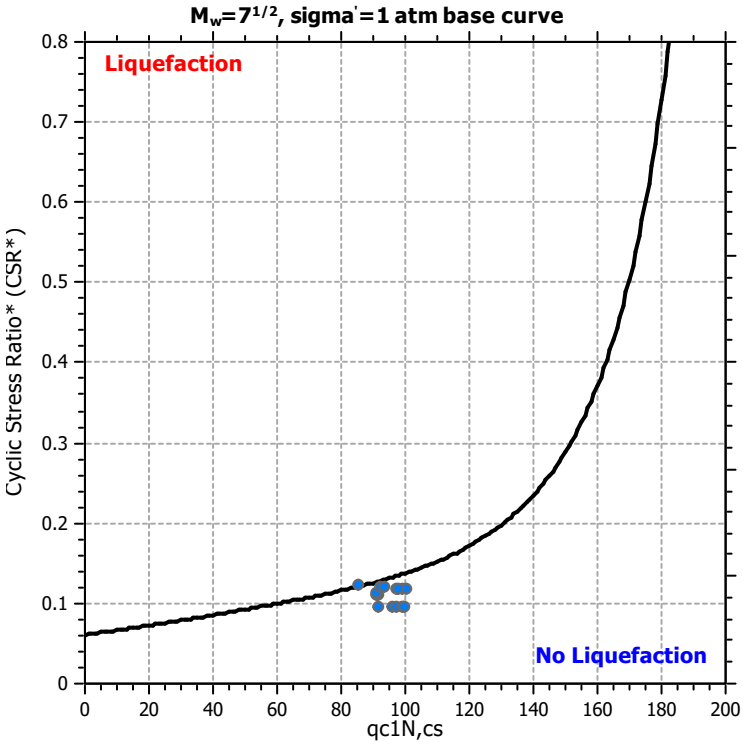
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

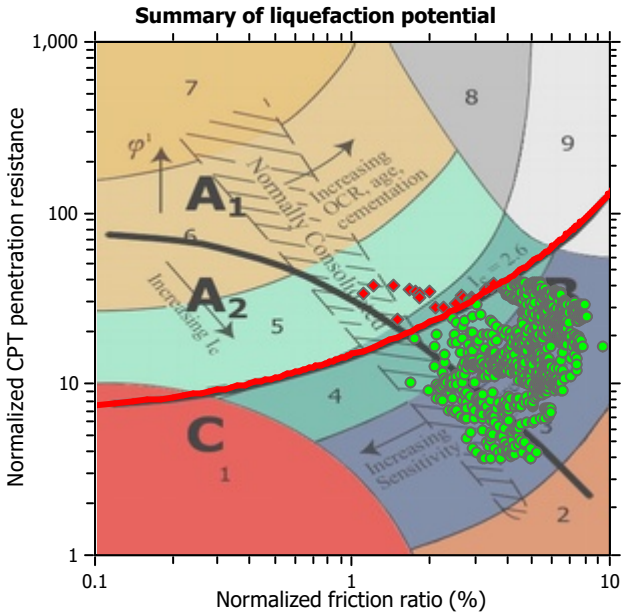
CPT file : P315 - CPTu-21

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

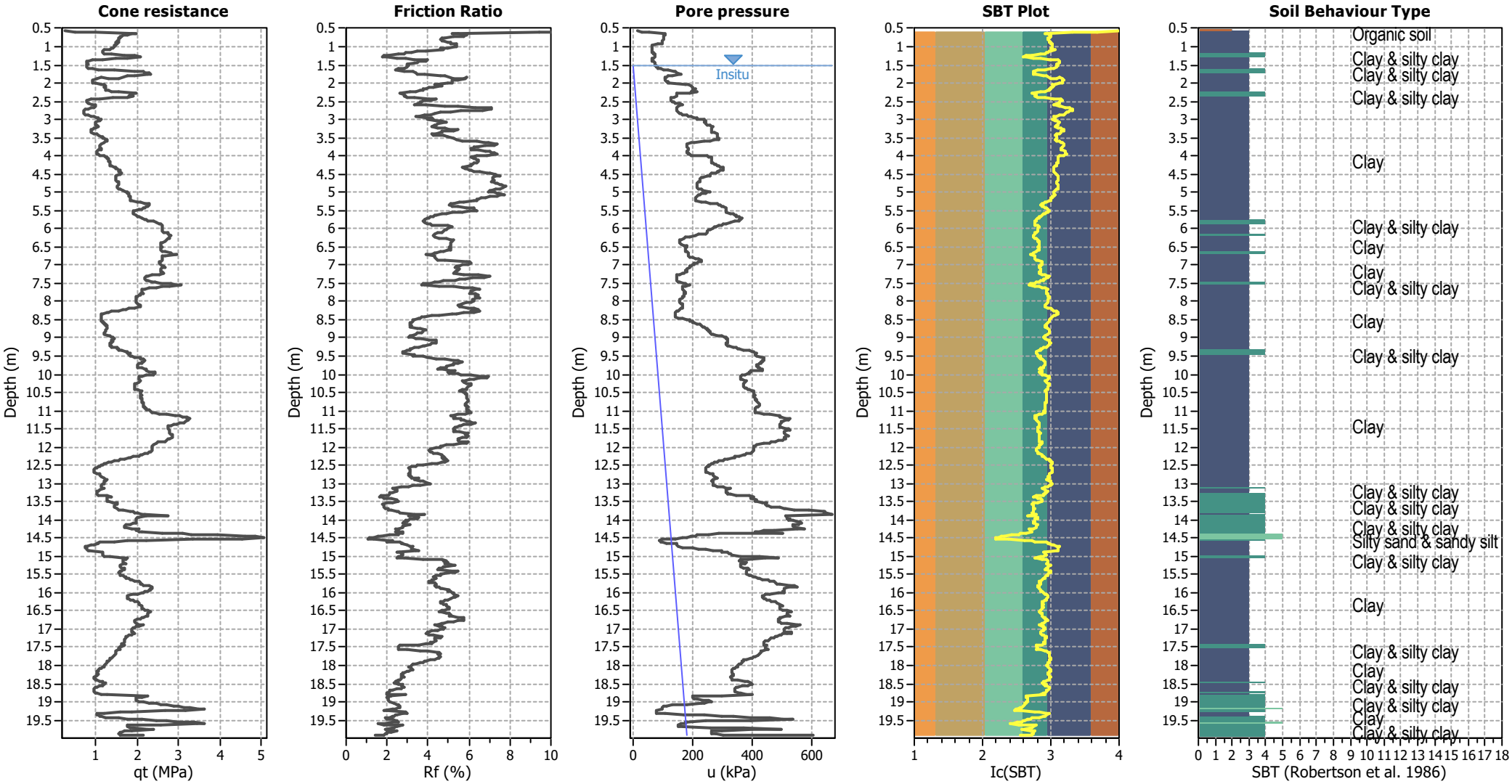






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



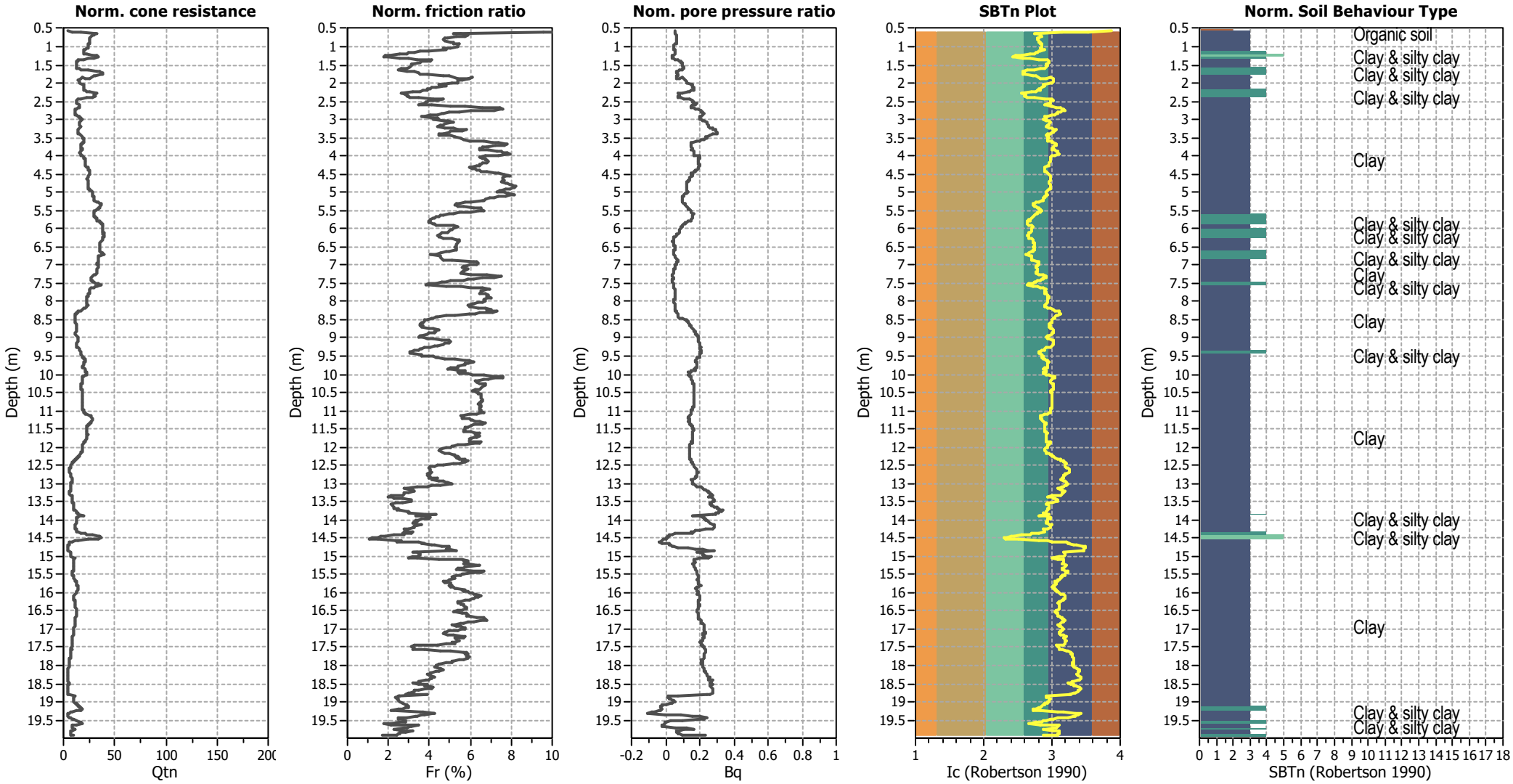
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



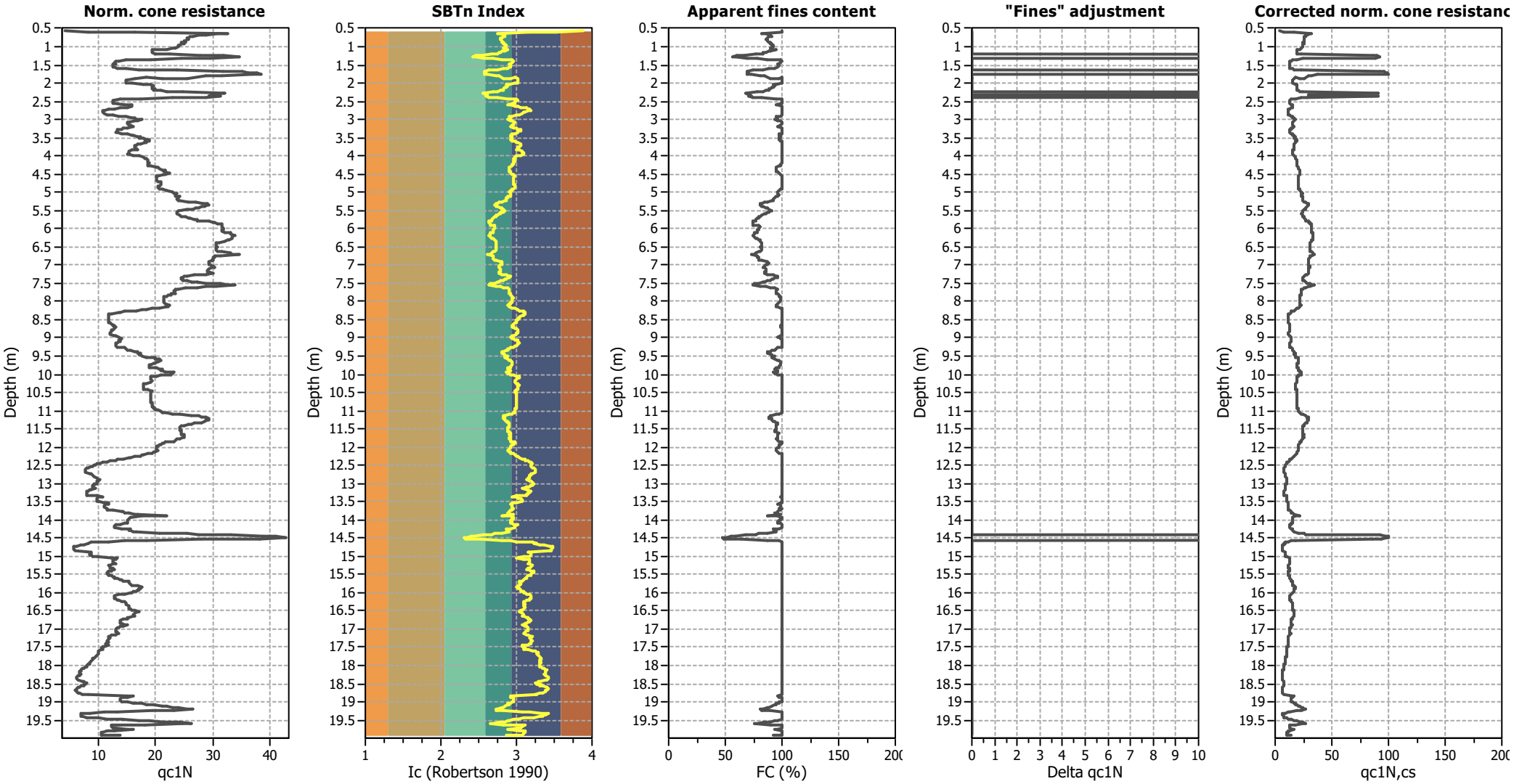
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

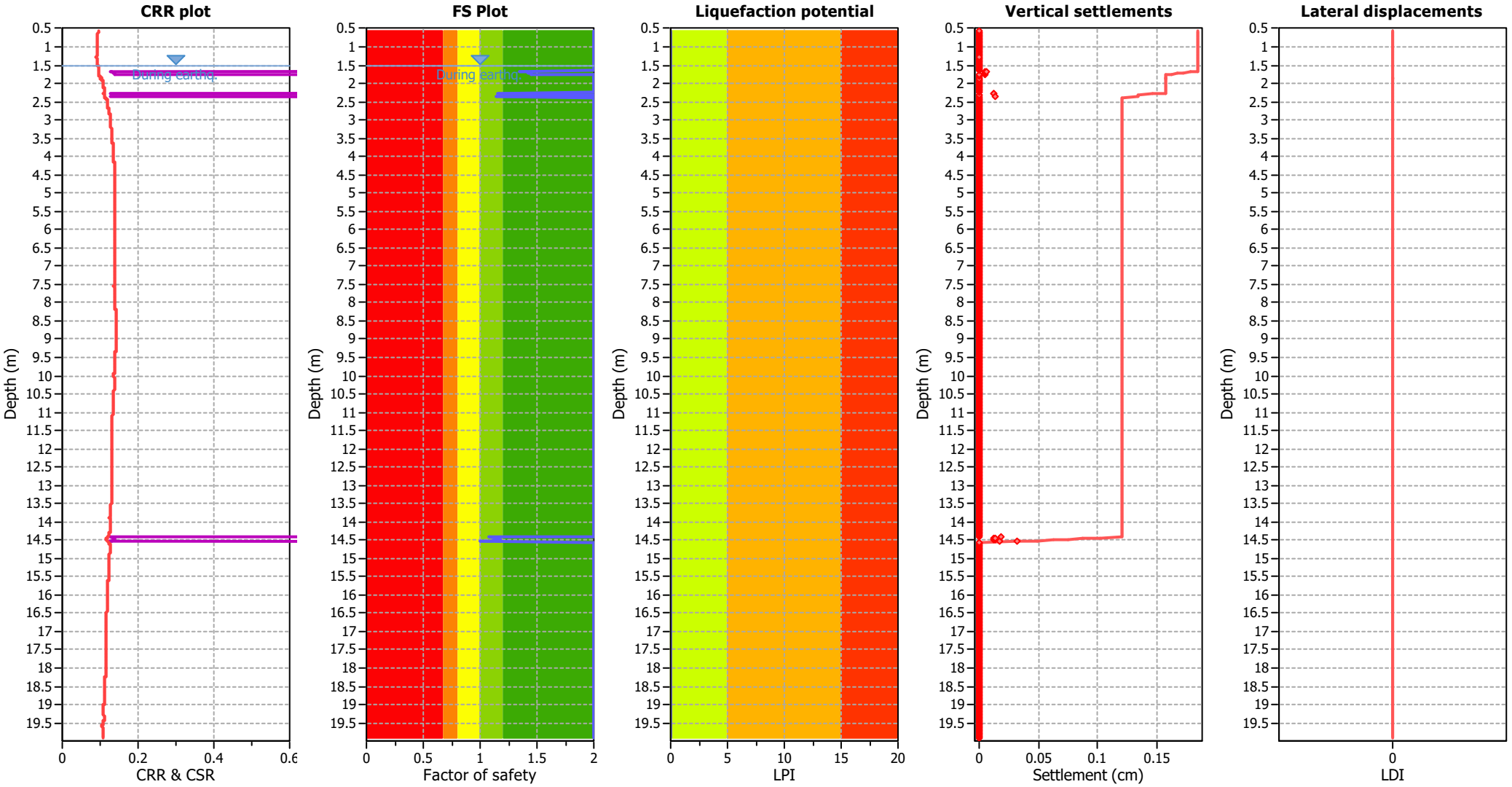
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

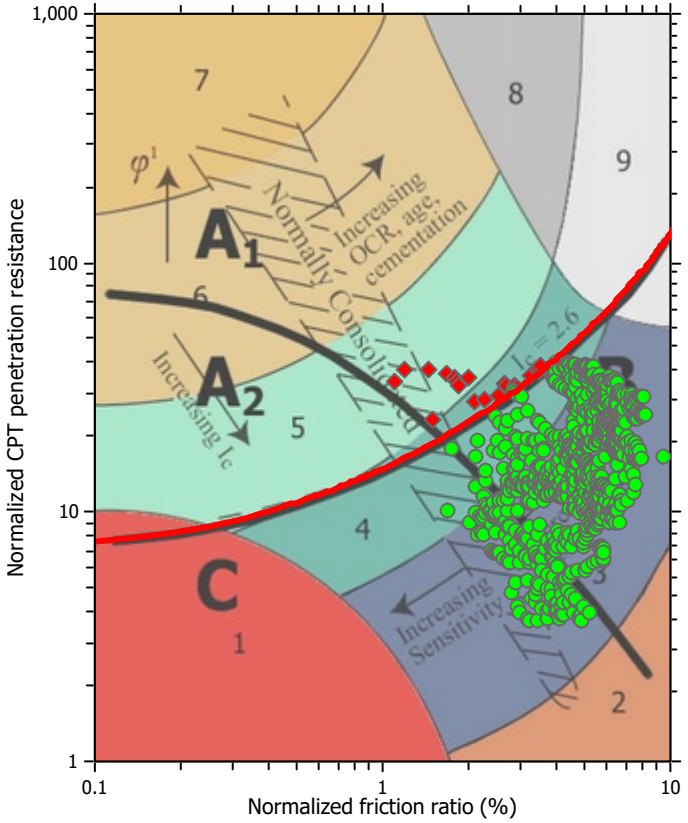
F.S. color scheme

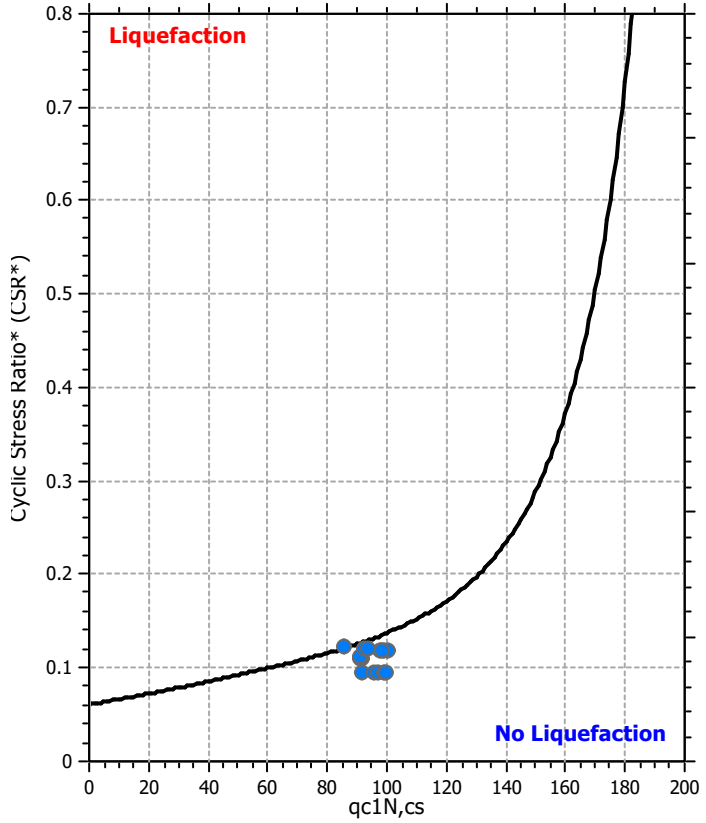
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

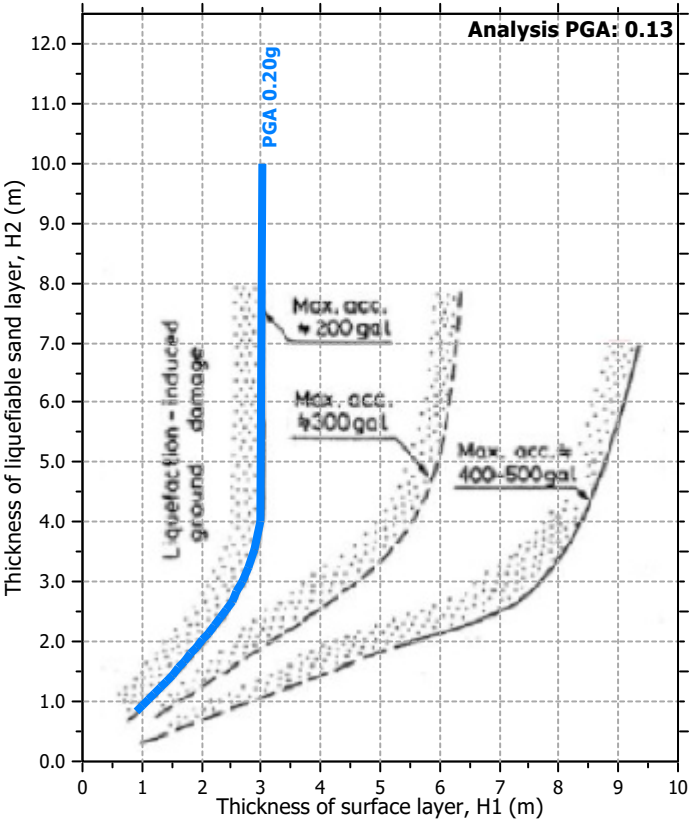
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



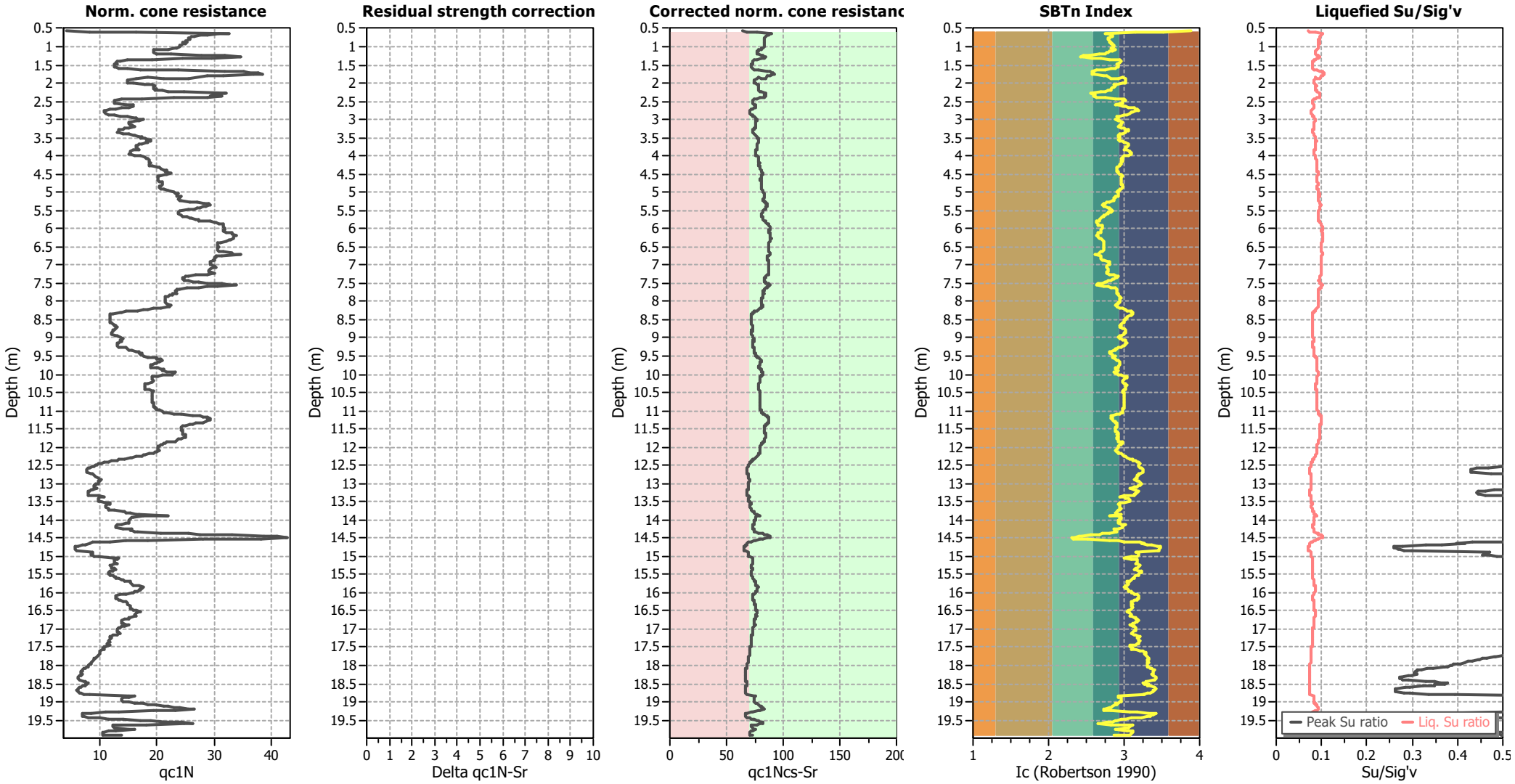




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.56	2.00	0.00	0.00	0.02	0.00	0.58	2.00	0.00	0.00	0.02	0.00
0.60	2.00	0.00	0.00	0.02	0.00	0.62	2.00	0.00	0.00	0.02	0.00
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	1.35	0.00	0.00	0.02	0.00
1.68	1.40	0.00	0.00	0.02	0.00	1.70	1.42	0.00	0.00	0.02	0.00
1.72	1.44	0.00	0.00	0.02	0.00	1.74	1.45	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	1.17	0.00	0.00	0.02	0.00
2.28	1.16	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	1.14	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	2.00	0.00	0.00	0.02	0.00	3.22	2.00	0.00	0.00	0.02	0.00
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	2.00	0.00	0.00	0.02	0.00	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	2.00	0.00	0.00	0.02	0.00
4.64	2.00	0.00	0.00	0.02	0.00	4.66	2.00	0.00	0.00	0.02	0.00
4.68	2.00	0.00	0.00	0.02	0.00	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	2.00	0.00	0.00	0.02	0.00
5.12	2.00	0.00	0.00	0.02	0.00	5.14	2.00	0.00	0.00	0.02	0.00
5.16	2.00	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.14	2.00	0.00	0.00	0.02	0.00
8.16	2.00	0.00	0.00	0.02	0.00	8.18	2.00	0.00	0.00	0.02	0.00
8.20	2.00	0.00	0.00	0.02	0.00	8.22	2.00	0.00	0.00	0.02	0.00
8.24	2.00	0.00	0.00	0.02	0.00	8.26	2.00	0.00	0.00	0.02	0.00
8.28	2.00	0.00	0.00	0.02	0.00	8.30	2.00	0.00	0.00	0.02	0.00
8.32	2.00	0.00	0.00	0.02	0.00	8.34	2.00	0.00	0.00	0.02	0.00
8.36	2.00	0.00	0.00	0.02	0.00	8.38	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.40	2.00	0.00	0.00	0.02	0.00	8.42	2.00	0.00	0.00	0.02	0.00
8.44	2.00	0.00	0.00	0.02	0.00	8.46	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.09	2.00	0.00	0.00	0.02	0.00
9.11	2.00	0.00	0.00	0.02	0.00	9.13	2.00	0.00	0.00	0.02	0.00
9.15	2.00	0.00	0.00	0.02	0.00	9.17	2.00	0.00	0.00	0.02	0.00
9.19	2.00	0.00	0.00	0.02	0.00	9.21	2.00	0.00	0.00	0.02	0.00
9.23	2.00	0.00	0.00	0.02	0.00	9.25	2.00	0.00	0.00	0.02	0.00
9.27	2.00	0.00	0.00	0.02	0.00	9.29	2.00	0.00	0.00	0.02	0.00
9.31	2.00	0.00	0.00	0.02	0.00	9.33	2.00	0.00	0.00	0.02	0.00
9.35	2.00	0.00	0.00	0.02	0.00	9.37	2.00	0.00	0.00	0.02	0.00
9.39	2.00	0.00	0.00	0.02	0.00	9.41	2.00	0.00	0.00	0.02	0.00
9.43	2.00	0.00	0.00	0.02	0.00	9.45	2.00	0.00	0.00	0.02	0.00
9.47	2.00	0.00	0.00	0.02	0.00	9.49	2.00	0.00	0.00	0.02	0.00
9.51	2.00	0.00	0.00	0.02	0.00	9.53	2.00	0.00	0.00	0.02	0.00
9.55	2.00	0.00	0.00	0.02	0.00	9.57	2.00	0.00	0.00	0.02	0.00
9.59	2.00	0.00	0.00	0.02	0.00	9.61	2.00	0.00	0.00	0.02	0.00
9.63	2.00	0.00	0.00	0.02	0.00	9.65	2.00	0.00	0.00	0.02	0.00
9.67	2.00	0.00	0.00	0.02	0.00	9.69	2.00	0.00	0.00	0.02	0.00
9.71	2.00	0.00	0.00	0.02	0.00	9.73	2.00	0.00	0.00	0.02	0.00
9.75	2.00	0.00	0.00	0.02	0.00	9.77	2.00	0.00	0.00	0.02	0.00
9.79	2.00	0.00	0.00	0.02	0.00	9.81	2.00	0.00	0.00	0.02	0.00
9.83	2.00	0.00	0.00	0.02	0.00	9.85	2.00	0.00	0.00	0.02	0.00
9.87	2.00	0.00	0.00	0.02	0.00	9.89	2.00	0.00	0.00	0.02	0.00
9.91	2.00	0.00	0.00	0.02	0.00	9.93	2.00	0.00	0.00	0.02	0.00
9.95	2.00	0.00	0.00	0.02	0.00	9.97	2.00	0.00	0.00	0.02	0.00
9.99	2.00	0.00	0.00	0.02	0.00	10.01	2.00	0.00	0.00	0.02	0.00
10.03	2.00	0.00	0.00	0.02	0.00	10.05	2.00	0.00	0.00	0.02	0.00
10.07	2.00	0.00	0.00	0.02	0.00	10.09	2.00	0.00	0.00	0.02	0.00
10.11	2.00	0.00	0.00	0.02	0.00	10.13	2.00	0.00	0.00	0.02	0.00
10.15	2.00	0.00	0.00	0.02	0.00	10.17	2.00	0.00	0.00	0.02	0.00
10.19	2.00	0.00	0.00	0.02	0.00	10.21	2.00	0.00	0.00	0.02	0.00
10.23	2.00	0.00	0.00	0.02	0.00	10.25	2.00	0.00	0.00	0.02	0.00
10.27	2.00	0.00	0.00	0.02	0.00	10.29	2.00	0.00	0.00	0.02	0.00
10.31	2.00	0.00	0.00	0.02	0.00	10.33	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.35	2.00	0.00	0.00	0.02	0.00	10.37	2.00	0.00	0.00	0.02	0.00
10.39	2.00	0.00	0.00	0.02	0.00	10.41	2.00	0.00	0.00	0.02	0.00
10.43	2.00	0.00	0.00	0.02	0.00	10.45	2.00	0.00	0.00	0.02	0.00
10.47	2.00	0.00	0.00	0.02	0.00	10.49	2.00	0.00	0.00	0.02	0.00
10.51	2.00	0.00	0.00	0.02	0.00	10.53	2.00	0.00	0.00	0.02	0.00
10.55	2.00	0.00	0.00	0.02	0.00	10.57	2.00	0.00	0.00	0.02	0.00
10.59	2.00	0.00	0.00	0.02	0.00	10.61	2.00	0.00	0.00	0.02	0.00
10.63	2.00	0.00	0.00	0.02	0.00	10.65	2.00	0.00	0.00	0.02	0.00
10.67	2.00	0.00	0.00	0.02	0.00	10.69	2.00	0.00	0.00	0.02	0.00
10.71	2.00	0.00	0.00	0.02	0.00	10.73	2.00	0.00	0.00	0.02	0.00
10.75	2.00	0.00	0.00	0.02	0.00	10.77	2.00	0.00	0.00	0.02	0.00
10.79	2.00	0.00	0.00	0.02	0.00	10.81	2.00	0.00	0.00	0.02	0.00
10.83	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.02	0.00
10.87	2.00	0.00	0.00	0.02	0.00	10.89	2.00	0.00	0.00	0.02	0.00
10.91	2.00	0.00	0.00	0.02	0.00	10.93	2.00	0.00	0.00	0.02	0.00
10.95	2.00	0.00	0.00	0.02	0.00	10.97	2.00	0.00	0.00	0.02	0.00
10.99	2.00	0.00	0.00	0.02	0.00	11.01	2.00	0.00	0.00	0.02	0.00
11.03	2.00	0.00	0.00	0.02	0.00	11.05	2.00	0.00	0.00	0.02	0.00
11.07	2.00	0.00	0.00	0.02	0.00	11.09	2.00	0.00	0.00	0.02	0.00
11.11	2.00	0.00	0.00	0.02	0.00	11.13	2.00	0.00	0.00	0.02	0.00
11.15	2.00	0.00	0.00	0.02	0.00	11.17	2.00	0.00	0.00	0.02	0.00
11.19	2.00	0.00	0.00	0.02	0.00	11.21	2.00	0.00	0.00	0.02	0.00
11.23	2.00	0.00	0.00	0.02	0.00	11.25	2.00	0.00	0.00	0.02	0.00
11.27	2.00	0.00	0.00	0.02	0.00	11.29	2.00	0.00	0.00	0.02	0.00
11.31	2.00	0.00	0.00	0.02	0.00	11.33	2.00	0.00	0.00	0.02	0.00
11.35	2.00	0.00	0.00	0.02	0.00	11.37	2.00	0.00	0.00	0.02	0.00
11.39	2.00	0.00	0.00	0.02	0.00	11.41	2.00	0.00	0.00	0.02	0.00
11.43	2.00	0.00	0.00	0.02	0.00	11.45	2.00	0.00	0.00	0.02	0.00
11.47	2.00	0.00	0.00	0.02	0.00	11.49	2.00	0.00	0.00	0.02	0.00
11.51	2.00	0.00	0.00	0.02	0.00	11.53	2.00	0.00	0.00	0.02	0.00
11.55	2.00	0.00	0.00	0.02	0.00	11.57	2.00	0.00	0.00	0.02	0.00
11.59	2.00	0.00	0.00	0.02	0.00	11.61	2.00	0.00	0.00	0.02	0.00
11.63	2.00	0.00	0.00	0.02	0.00	11.65	2.00	0.00	0.00	0.02	0.00
11.67	2.00	0.00	0.00	0.02	0.00	11.69	2.00	0.00	0.00	0.02	0.00
11.71	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	2.00	0.00	0.00	0.02	0.00	12.05	2.00	0.00	0.00	0.02	0.00
12.07	2.00	0.00	0.00	0.02	0.00	12.09	2.00	0.00	0.00	0.02	0.00
12.11	2.00	0.00	0.00	0.02	0.00	12.13	2.00	0.00	0.00	0.02	0.00
12.15	2.00	0.00	0.00	0.02	0.00	12.17	2.00	0.00	0.00	0.02	0.00
12.19	2.00	0.00	0.00	0.02	0.00	12.21	2.00	0.00	0.00	0.02	0.00
12.23	2.00	0.00	0.00	0.02	0.00	12.25	2.00	0.00	0.00	0.02	0.00
12.27	2.00	0.00	0.00	0.02	0.00	12.29	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.31	2.00	0.00	0.00	0.02	0.00	12.33	2.00	0.00	0.00	0.02	0.00
12.35	2.00	0.00	0.00	0.02	0.00	12.37	2.00	0.00	0.00	0.02	0.00
12.39	2.00	0.00	0.00	0.02	0.00	12.41	2.00	0.00	0.00	0.02	0.00
12.43	2.00	0.00	0.00	0.02	0.00	12.45	2.00	0.00	0.00	0.02	0.00
12.47	2.00	0.00	0.00	0.02	0.00	12.49	2.00	0.00	0.00	0.02	0.00
12.51	2.00	0.00	0.00	0.02	0.00	12.53	2.00	0.00	0.00	0.02	0.00
12.55	2.00	0.00	0.00	0.02	0.00	12.57	2.00	0.00	0.00	0.02	0.00
12.59	2.00	0.00	0.00	0.02	0.00	12.61	2.00	0.00	0.00	0.02	0.00
12.63	2.00	0.00	0.00	0.02	0.00	12.65	2.00	0.00	0.00	0.02	0.00
12.67	2.00	0.00	0.00	0.02	0.00	12.69	2.00	0.00	0.00	0.02	0.00
12.71	2.00	0.00	0.00	0.02	0.00	12.73	2.00	0.00	0.00	0.02	0.00
12.75	2.00	0.00	0.00	0.02	0.00	12.77	2.00	0.00	0.00	0.02	0.00
12.79	2.00	0.00	0.00	0.02	0.00	12.81	2.00	0.00	0.00	0.02	0.00
12.83	2.00	0.00	0.00	0.02	0.00	12.85	2.00	0.00	0.00	0.02	0.00
12.87	2.00	0.00	0.00	0.02	0.00	12.89	2.00	0.00	0.00	0.02	0.00
12.91	2.00	0.00	0.00	0.02	0.00	12.93	2.00	0.00	0.00	0.02	0.00
12.95	2.00	0.00	0.00	0.02	0.00	12.97	2.00	0.00	0.00	0.02	0.00
12.98	2.00	0.00	0.00	0.02	0.00	13.00	2.00	0.00	0.00	0.02	0.00
13.02	2.00	0.00	0.00	0.02	0.00	13.04	2.00	0.00	0.00	0.02	0.00
13.06	2.00	0.00	0.00	0.02	0.00	13.08	2.00	0.00	0.00	0.02	0.00
13.10	2.00	0.00	0.00	0.02	0.00	13.12	2.00	0.00	0.00	0.02	0.00
13.14	2.00	0.00	0.00	0.02	0.00	13.16	2.00	0.00	0.00	0.02	0.00
13.18	2.00	0.00	0.00	0.02	0.00	13.20	2.00	0.00	0.00	0.02	0.00
13.22	2.00	0.00	0.00	0.02	0.00	13.24	2.00	0.00	0.00	0.02	0.00
13.26	2.00	0.00	0.00	0.02	0.00	13.28	2.00	0.00	0.00	0.02	0.00
13.30	2.00	0.00	0.00	0.02	0.00	13.32	2.00	0.00	0.00	0.02	0.00
13.34	2.00	0.00	0.00	0.02	0.00	13.36	2.00	0.00	0.00	0.02	0.00
13.38	2.00	0.00	0.00	0.02	0.00	13.40	2.00	0.00	0.00	0.02	0.00
13.42	2.00	0.00	0.00	0.02	0.00	13.44	2.00	0.00	0.00	0.02	0.00
13.46	2.00	0.00	0.00	0.02	0.00	13.48	2.00	0.00	0.00	0.02	0.00
13.50	2.00	0.00	0.00	0.02	0.00	13.52	2.00	0.00	0.00	0.02	0.00
13.54	2.00	0.00	0.00	0.02	0.00	13.56	2.00	0.00	0.00	0.02	0.00
13.58	2.00	0.00	0.00	0.02	0.00	13.60	2.00	0.00	0.00	0.02	0.00
13.62	2.00	0.00	0.00	0.02	0.00	13.64	2.00	0.00	0.00	0.02	0.00
13.66	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.02	2.00	0.00	0.00	0.02	0.00	14.04	2.00	0.00	0.00	0.02	0.00
14.06	2.00	0.00	0.00	0.02	0.00	14.08	2.00	0.00	0.00	0.02	0.00
14.10	2.00	0.00	0.00	0.02	0.00	14.12	2.00	0.00	0.00	0.02	0.00
14.14	2.00	0.00	0.00	0.02	0.00	14.16	2.00	0.00	0.00	0.02	0.00
14.18	2.00	0.00	0.00	0.02	0.00	14.20	2.00	0.00	0.00	0.02	0.00
14.22	2.00	0.00	0.00	0.02	0.00	14.24	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.26	2.00	0.00	0.00	0.02	0.00	14.28	2.00	0.00	0.00	0.02	0.00
14.30	2.00	0.00	0.00	0.02	0.00	14.32	2.00	0.00	0.00	0.02	0.00
14.34	2.00	0.00	0.00	0.02	0.00	14.36	2.00	0.00	0.00	0.02	0.00
14.38	2.00	0.00	0.00	0.02	0.00	14.40	2.00	0.00	0.00	0.02	0.00
14.42	1.08	0.00	0.00	0.02	0.00	14.44	1.14	0.00	0.00	0.02	0.00
14.46	1.17	0.00	0.00	0.02	0.00	14.48	1.18	0.00	0.00	0.02	0.00
14.50	1.15	0.00	0.00	0.02	0.00	14.52	1.09	0.00	0.00	0.02	0.00
14.54	1.00	0.00	0.00	0.02	0.00	14.56	2.00	0.00	0.00	0.02	0.00
14.58	2.00	0.00	0.00	0.02	0.00	14.60	2.00	0.00	0.00	0.02	0.00
14.62	2.00	0.00	0.00	0.02	0.00	14.64	2.00	0.00	0.00	0.02	0.00
14.66	2.00	0.00	0.00	0.02	0.00	14.68	2.00	0.00	0.00	0.02	0.00
14.70	2.00	0.00	0.00	0.02	0.00	14.72	2.00	0.00	0.00	0.02	0.00
14.74	2.00	0.00	0.00	0.02	0.00	14.76	2.00	0.00	0.00	0.02	0.00
14.78	2.00	0.00	0.00	0.02	0.00	14.80	2.00	0.00	0.00	0.02	0.00
14.82	2.00	0.00	0.00	0.02	0.00	14.84	2.00	0.00	0.00	0.02	0.00
14.86	2.00	0.00	0.00	0.02	0.00	14.88	2.00	0.00	0.00	0.02	0.00
14.90	2.00	0.00	0.00	0.02	0.00	14.92	2.00	0.00	0.00	0.02	0.00
14.94	2.00	0.00	0.00	0.02	0.00	14.96	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.19	2.00	0.00	0.00	0.02	0.00
15.21	2.00	0.00	0.00	0.02	0.00	15.23	2.00	0.00	0.00	0.02	0.00
15.25	2.00	0.00	0.00	0.02	0.00	15.27	2.00	0.00	0.00	0.02	0.00
15.29	2.00	0.00	0.00	0.02	0.00	15.31	2.00	0.00	0.00	0.02	0.00
15.33	2.00	0.00	0.00	0.02	0.00	15.35	2.00	0.00	0.00	0.02	0.00
15.37	2.00	0.00	0.00	0.02	0.00	15.39	2.00	0.00	0.00	0.02	0.00
15.41	2.00	0.00	0.00	0.02	0.00	15.43	2.00	0.00	0.00	0.02	0.00
15.45	2.00	0.00	0.00	0.02	0.00	15.47	2.00	0.00	0.00	0.02	0.00
15.49	2.00	0.00	0.00	0.02	0.00	15.51	2.00	0.00	0.00	0.02	0.00
15.53	2.00	0.00	0.00	0.02	0.00	15.55	2.00	0.00	0.00	0.02	0.00
15.57	2.00	0.00	0.00	0.02	0.00	15.59	2.00	0.00	0.00	0.02	0.00
15.61	2.00	0.00	0.00	0.02	0.00	15.63	2.00	0.00	0.00	0.02	0.00
15.65	2.00	0.00	0.00	0.02	0.00	15.67	2.00	0.00	0.00	0.02	0.00
15.69	2.00	0.00	0.00	0.02	0.00	15.71	2.00	0.00	0.00	0.02	0.00
15.73	2.00	0.00	0.00	0.02	0.00	15.75	2.00	0.00	0.00	0.02	0.00
15.77	2.00	0.00	0.00	0.02	0.00	15.79	2.00	0.00	0.00	0.02	0.00
15.81	2.00	0.00	0.00	0.02	0.00	15.83	2.00	0.00	0.00	0.02	0.00
15.85	2.00	0.00	0.00	0.02	0.00	15.87	2.00	0.00	0.00	0.02	0.00
15.89	2.00	0.00	0.00	0.02	0.00	15.91	2.00	0.00	0.00	0.02	0.00
15.93	2.00	0.00	0.00	0.02	0.00	15.95	2.00	0.00	0.00	0.02	0.00
15.97	2.00	0.00	0.00	0.02	0.00	15.99	2.00	0.00	0.00	0.02	0.00
16.01	2.00	0.00	0.00	0.02	0.00	16.03	2.00	0.00	0.00	0.02	0.00
16.05	2.00	0.00	0.00	0.02	0.00	16.07	2.00	0.00	0.00	0.02	0.00
16.09	2.00	0.00	0.00	0.02	0.00	16.11	2.00	0.00	0.00	0.02	0.00
16.13	2.00	0.00	0.00	0.02	0.00	16.15	2.00	0.00	0.00	0.02	0.00
16.17	2.00	0.00	0.00	0.02	0.00	16.19	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.21	2.00	0.00	0.00	0.02	0.00	16.23	2.00	0.00	0.00	0.02	0.00
16.25	2.00	0.00	0.00	0.02	0.00	16.27	2.00	0.00	0.00	0.02	0.00
16.29	2.00	0.00	0.00	0.02	0.00	16.31	2.00	0.00	0.00	0.02	0.00
16.33	2.00	0.00	0.00	0.02	0.00	16.35	2.00	0.00	0.00	0.02	0.00
16.37	2.00	0.00	0.00	0.02	0.00	16.39	2.00	0.00	0.00	0.02	0.00
16.41	2.00	0.00	0.00	0.02	0.00	16.43	2.00	0.00	0.00	0.02	0.00
16.45	2.00	0.00	0.00	0.02	0.00	16.47	2.00	0.00	0.00	0.02	0.00
16.49	2.00	0.00	0.00	0.02	0.00	16.51	2.00	0.00	0.00	0.02	0.00
16.53	2.00	0.00	0.00	0.02	0.00	16.55	2.00	0.00	0.00	0.02	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.59	2.00	0.00	0.00	0.02	0.00
16.61	2.00	0.00	0.00	0.02	0.00	16.63	2.00	0.00	0.00	0.02	0.00
16.65	2.00	0.00	0.00	0.02	0.00	16.67	2.00	0.00	0.00	0.02	0.00
16.69	2.00	0.00	0.00	0.02	0.00	16.71	2.00	0.00	0.00	0.02	0.00
16.73	2.00	0.00	0.00	0.02	0.00	16.75	2.00	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.78	2.00	0.00	0.00	0.02	0.00
16.80	2.00	0.00	0.00	0.02	0.00	16.82	2.00	0.00	0.00	0.02	0.00
16.84	2.00	0.00	0.00	0.02	0.00	16.86	2.00	0.00	0.00	0.02	0.00
16.88	2.00	0.00	0.00	0.02	0.00	16.90	2.00	0.00	0.00	0.02	0.00
16.92	2.00	0.00	0.00	0.02	0.00	16.94	2.00	0.00	0.00	0.02	0.00
16.96	2.00	0.00	0.00	0.02	0.00	16.98	2.00	0.00	0.00	0.02	0.00
17.00	2.00	0.00	0.00	0.02	0.00	17.02	2.00	0.00	0.00	0.02	0.00
17.04	2.00	0.00	0.00	0.02	0.00	17.06	2.00	0.00	0.00	0.02	0.00
17.08	2.00	0.00	0.00	0.02	0.00	17.10	2.00	0.00	0.00	0.02	0.00
17.12	2.00	0.00	0.00	0.02	0.00	17.14	2.00	0.00	0.00	0.02	0.00
17.16	2.00	0.00	0.00	0.02	0.00	17.18	2.00	0.00	0.00	0.02	0.00
17.20	2.00	0.00	0.00	0.02	0.00	17.22	2.00	0.00	0.00	0.02	0.00
17.24	2.00	0.00	0.00	0.02	0.00	17.26	2.00	0.00	0.00	0.02	0.00
17.28	2.00	0.00	0.00	0.02	0.00	17.30	2.00	0.00	0.00	0.02	0.00
17.32	2.00	0.00	0.00	0.02	0.00	17.34	2.00	0.00	0.00	0.02	0.00
17.36	2.00	0.00	0.00	0.02	0.00	17.38	2.00	0.00	0.00	0.02	0.00
17.40	2.00	0.00	0.00	0.02	0.00	17.42	2.00	0.00	0.00	0.02	0.00
17.44	2.00	0.00	0.00	0.02	0.00	17.46	2.00	0.00	0.00	0.02	0.00
17.48	2.00	0.00	0.00	0.02	0.00	17.50	2.00	0.00	0.00	0.02	0.00
17.52	2.00	0.00	0.00	0.02	0.00	17.54	2.00	0.00	0.00	0.02	0.00
17.56	2.00	0.00	0.00	0.02	0.00	17.58	2.00	0.00	0.00	0.02	0.00
17.60	2.00	0.00	0.00	0.02	0.00	17.62	2.00	0.00	0.00	0.02	0.00
17.64	2.00	0.00	0.00	0.02	0.00	17.66	2.00	0.00	0.00	0.02	0.00
17.68	2.00	0.00	0.00	0.02	0.00	17.70	2.00	0.00	0.00	0.02	0.00
17.72	2.00	0.00	0.00	0.02	0.00	17.74	2.00	0.00	0.00	0.02	0.00
17.76	2.00	0.00	0.00	0.02	0.00	17.78	2.00	0.00	0.00	0.02	0.00
17.80	2.00	0.00	0.00	0.02	0.00	17.82	2.00	0.00	0.00	0.02	0.00
17.84	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.88	2.00	0.00	0.00	0.02	0.00	17.90	2.00	0.00	0.00	0.02	0.00
17.92	2.00	0.00	0.00	0.02	0.00	17.94	2.00	0.00	0.00	0.02	0.00
17.96	2.00	0.00	0.00	0.02	0.00	17.98	2.00	0.00	0.00	0.02	0.00
18.00	2.00	0.00	0.00	0.02	0.00	18.02	2.00	0.00	0.00	0.02	0.00
18.04	2.00	0.00	0.00	0.02	0.00	18.06	2.00	0.00	0.00	0.02	0.00
18.07	2.00	0.00	0.00	0.02	0.00	18.09	2.00	0.00	0.00	0.02	0.00
18.11	2.00	0.00	0.00	0.02	0.00	18.13	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.15	2.00	0.00	0.00	0.02	0.00	18.17	2.00	0.00	0.00	0.02	0.00
18.19	2.00	0.00	0.00	0.02	0.00	18.21	2.00	0.00	0.00	0.02	0.00
18.23	2.00	0.00	0.00	0.02	0.00	18.25	2.00	0.00	0.00	0.02	0.00
18.27	2.00	0.00	0.00	0.02	0.00	18.29	2.00	0.00	0.00	0.02	0.00
18.31	2.00	0.00	0.00	0.02	0.00	18.33	2.00	0.00	0.00	0.02	0.00
18.35	2.00	0.00	0.00	0.02	0.00	18.37	2.00	0.00	0.00	0.02	0.00
18.39	2.00	0.00	0.00	0.02	0.00	18.41	2.00	0.00	0.00	0.02	0.00
18.43	2.00	0.00	0.00	0.02	0.00	18.45	2.00	0.00	0.00	0.02	0.00
18.47	2.00	0.00	0.00	0.02	0.00	18.49	2.00	0.00	0.00	0.02	0.00
18.51	2.00	0.00	0.00	0.02	0.00	18.53	2.00	0.00	0.00	0.02	0.00
18.55	2.00	0.00	0.00	0.02	0.00	18.57	2.00	0.00	0.00	0.02	0.00
18.59	2.00	0.00	0.00	0.02	0.00	18.61	2.00	0.00	0.00	0.02	0.00
18.63	2.00	0.00	0.00	0.02	0.00	18.65	2.00	0.00	0.00	0.02	0.00
18.67	2.00	0.00	0.00	0.02	0.00	18.69	2.00	0.00	0.00	0.02	0.00
18.71	2.00	0.00	0.00	0.02	0.00	18.73	2.00	0.00	0.00	0.02	0.00
18.75	2.00	0.00	0.00	0.02	0.00	18.77	2.00	0.00	0.00	0.02	0.00
18.79	2.00	0.00	0.00	0.02	0.00	18.81	2.00	0.00	0.00	0.02	0.00
18.83	2.00	0.00	0.00	0.02	0.00	18.85	2.00	0.00	0.00	0.02	0.00
18.87	2.00	0.00	0.00	0.02	0.00	18.89	2.00	0.00	0.00	0.02	0.00
18.91	2.00	0.00	0.00	0.02	0.00	18.93	2.00	0.00	0.00	0.02	0.00
18.95	2.00	0.00	0.00	0.02	0.00	18.97	2.00	0.00	0.00	0.02	0.00
18.99	2.00	0.00	0.00	0.02	0.00	19.01	2.00	0.00	0.00	0.02	0.00
19.03	2.00	0.00	0.00	0.02	0.00	19.05	2.00	0.00	0.00	0.02	0.00
19.07	2.00	0.00	0.00	0.02	0.00	19.09	2.00	0.00	0.00	0.02	0.00
19.11	2.00	0.00	0.00	0.02	0.00	19.12	2.00	0.00	0.00	0.02	0.00
19.14	2.00	0.00	0.00	0.02	0.00	19.16	2.00	0.00	0.00	0.02	0.00
19.18	2.00	0.00	0.00	0.02	0.00	19.20	2.00	0.00	0.00	0.02	0.00
19.22	2.00	0.00	0.00	0.02	0.00	19.24	2.00	0.00	0.00	0.02	0.00
19.26	2.00	0.00	0.00	0.02	0.00	19.28	2.00	0.00	0.00	0.02	0.00
19.30	2.00	0.00	0.00	0.02	0.00	19.32	2.00	0.00	0.00	0.02	0.00
19.34	2.00	0.00	0.00	0.02	0.00	19.36	2.00	0.00	0.00	0.02	0.00
19.38	2.00	0.00	0.00	0.02	0.00	19.40	2.00	0.00	0.00	0.02	0.00
19.42	2.00	0.00	0.00	0.02	0.00	19.44	2.00	0.00	0.00	0.02	0.00
19.46	2.00	0.00	0.00	0.02	0.00	19.48	2.00	0.00	0.00	0.02	0.00
19.50	2.00	0.00	0.00	0.02	0.00	19.52	2.00	0.00	0.00	0.02	0.00
19.54	2.00	0.00	0.00	0.02	0.00	19.56	2.00	0.00	0.00	0.02	0.00
19.58	2.00	0.00	0.00	0.02	0.00	19.60	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

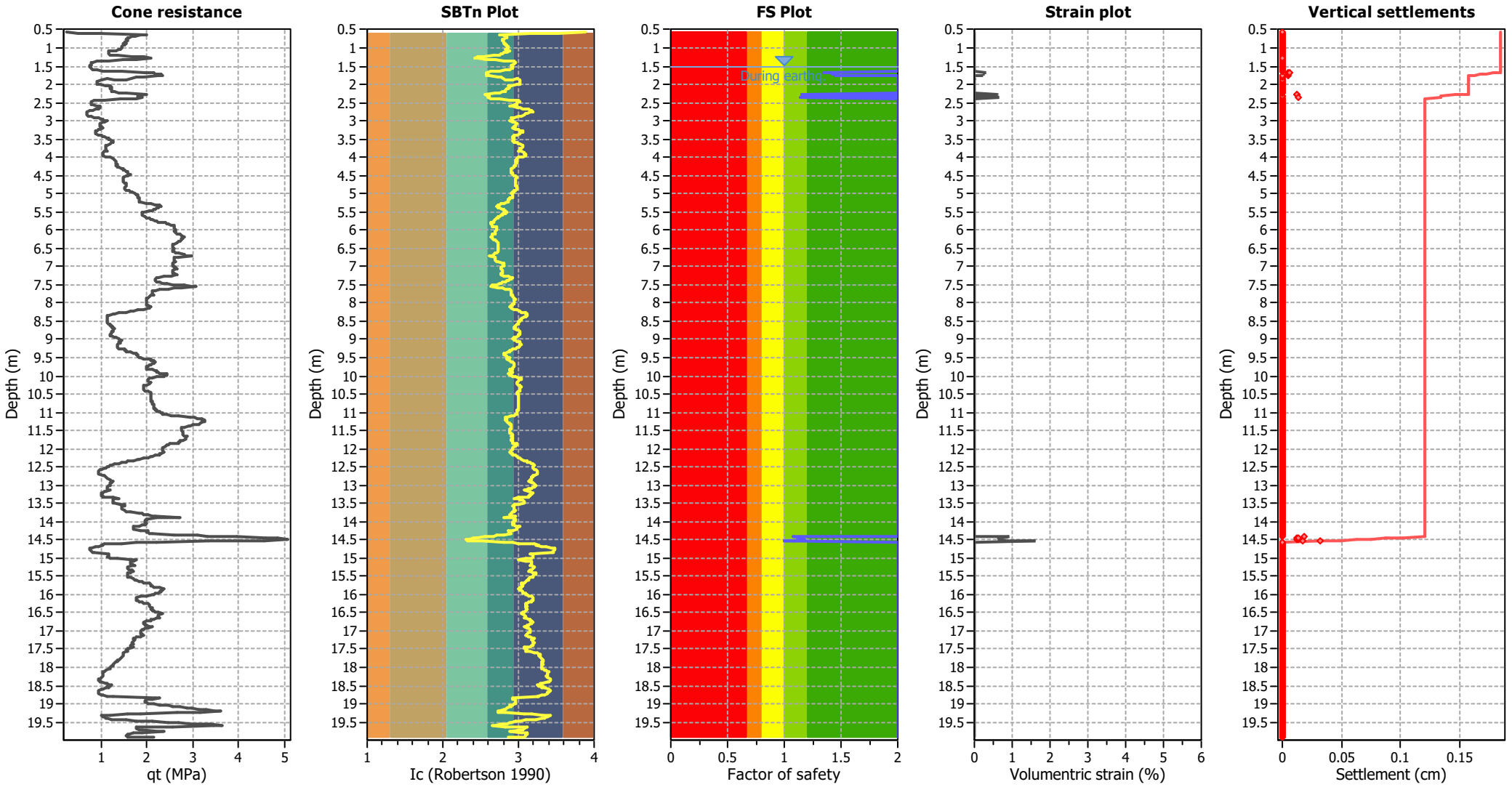
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.56	3.88	4.15	40.17	166.63	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.58	3.52	8.28	22.22	184.11	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.60	3.15	16.56	11.57	191.69	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	2.75	33.13	5.21	172.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	2.78	31.32	5.64	176.61	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.83	29.20	6.17	180.19	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.84	27.90	6.35	177.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.85	26.80	6.44	172.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.82	26.42	6.16	162.87	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.80	26.18	5.87	153.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.80	25.93	5.83	151.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.79	26.10	5.72	149.24	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.80	25.74	5.82	149.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.80	25.58	5.87	150.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.81	25.42	5.92	150.57	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.82	25.70	6.07	156.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	2.83	24.90	6.29	156.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	2.83	25.30	6.22	157.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	2.85	24.67	6.56	161.71	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	2.85	24.38	6.56	159.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	2.86	24.18	6.62	160.08	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.86	24.15	6.62	159.99	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.86	24.12	6.62	159.58	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.84	23.60	6.43	151.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.83	22.95	6.24	143.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.85	21.95	6.44	141.35	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.89	19.60	7.10	139.21	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.84	19.43	6.36	123.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.81	19.43	5.99	116.30	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.78	19.43	5.66	109.90	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.76	19.50	5.37	104.72	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.75	19.87	5.23	103.91	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.67	22.60	4.41	99.56	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.54	27.85	3.30	91.90	24	37465	0.09	0.005	0.00	3.58	0.00	0.000
1.24	2.46	32.02	2.73	87.35	22	38800	0.09	0.005	0.00	3.58	0.00	0.000
1.26	2.42	34.65	2.51	86.87	22	40053	0.09	0.005	0.00	3.58	0.00	0.000
1.28	2.45	34.67	2.68	92.96	23	41607	0.09	0.005	0.00	3.58	0.00	0.000
1.30	2.58	29.49	3.56	104.88	28	41330	0.09	0.005	0.00	3.58	0.00	0.000
1.32	2.68	24.43	4.53	110.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.34	2.80	19.23	5.88	113.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.36	2.94	14.86	7.79	115.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.38	2.96	13.59	8.20	111.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.40	2.95	12.97	8.03	104.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.42	2.95	12.95	7.97	103.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.44	2.95	12.93	7.98	103.15	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.46	2.91	13.15	7.34	96.47	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.48	2.93	12.53	7.69	96.36	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.50	2.93	12.50	7.63	95.29	0	0	0.09	0.000	0.00	0.00	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.52	12.58	2.00	0.00	1.00	0.00	1.54	12.64	2.00	0.00	1.00	0.00
1.56	12.79	2.00	0.00	1.00	0.00	1.58	13.45	2.00	0.00	1.00	0.00
1.60	14.90	2.00	0.00	1.00	0.00	1.62	17.26	2.00	0.00	1.00	0.00
1.64	23.69	2.00	0.00	1.00	0.00	1.66	91.81	1.35	0.30	1.00	0.01
1.68	95.99	1.40	0.26	1.00	0.01	1.70	97.36	1.42	0.26	1.00	0.01
1.72	99.32	1.44	0.25	1.00	0.00	1.74	100.13	1.45	0.24	1.00	0.00
1.76	36.85	2.00	0.00	1.00	0.00	1.78	31.65	2.00	0.00	1.00	0.00
1.80	28.94	2.00	0.00	1.00	0.00	1.87	25.65	2.00	0.00	1.00	0.00
1.87	21.28	2.00	0.00	1.00	0.00	1.82	18.40	2.00	0.00	1.00	0.00
1.88	16.40	2.00	0.00	1.00	0.00	1.90	14.83	2.00	0.00	1.00	0.00
1.92	14.83	2.00	0.00	1.00	0.00	1.94	14.86	2.00	0.00	1.00	0.00
1.96	14.89	2.00	0.00	1.00	0.00	1.98	14.94	2.00	0.00	1.00	0.00
2.00	15.82	2.00	0.00	1.00	0.00	2.02	17.89	2.00	0.00	1.00	0.00
2.04	19.11	2.00	0.00	1.00	0.00	2.06	19.62	2.00	0.00	1.00	0.00
2.08	19.35	2.00	0.00	1.00	0.00	2.10	19.36	2.00	0.00	1.00	0.00
2.12	19.37	2.00	0.00	1.00	0.00	2.14	19.52	2.00	0.00	1.00	0.00
2.16	19.83	2.00	0.00	1.00	0.00	2.18	19.67	2.00	0.00	1.00	0.00
2.20	20.87	2.00	0.00	1.00	0.00	2.22	22.08	2.00	0.00	1.00	0.00
2.24	24.70	2.00	0.00	1.00	0.00	2.26	91.65	1.17	0.60	1.00	0.01
2.28	91.46	1.16	0.61	1.00	0.01	2.30	30.16	2.00	0.00	1.00	0.00
2.32	29.72	2.00	0.00	1.00	0.00	2.34	29.29	2.00	0.00	1.00	0.00
2.36	91.13	1.14	0.67	1.00	0.01	2.38	28.84	2.00	0.00	1.00	0.00
2.40	23.09	2.00	0.00	1.00	0.00	2.42	17.49	2.00	0.00	1.00	0.00
2.44	13.91	2.00	0.00	1.00	0.00	2.46	12.59	2.00	0.00	1.00	0.00
2.48	12.54	2.00	0.00	1.00	0.00	2.50	12.57	2.00	0.00	1.00	0.00
2.52	12.60	2.00	0.00	1.00	0.00	2.54	12.67	2.00	0.00	1.00	0.00
2.56	12.93	2.00	0.00	1.00	0.00	2.58	14.73	2.00	0.00	1.00	0.00
2.60	15.78	2.00	0.00	1.00	0.00	2.62	15.76	2.00	0.00	1.00	0.00
2.64	15.83	2.00	0.00	1.00	0.00	2.66	15.22	2.00	0.00	1.00	0.00
2.68	13.98	2.00	0.00	1.00	0.00	2.70	12.85	2.00	0.00	1.00	0.00
2.72	11.93	2.00	0.00	1.00	0.00	2.74	11.00	2.00	0.00	1.00	0.00
2.76	10.94	2.00	0.00	1.00	0.00	2.78	10.92	2.00	0.00	1.00	0.00
2.80	10.92	2.00	0.00	1.00	0.00	2.82	10.98	2.00	0.00	1.00	0.00
2.84	11.04	2.00	0.00	1.00	0.00	2.86	11.53	2.00	0.00	1.00	0.00
2.88	12.50	2.00	0.00	1.00	0.00	2.90	13.55	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.92	14.80	2.00	0.00	1.00	0.00	2.94	15.85	2.00	0.00	1.00	0.00
2.96	16.35	2.00	0.00	1.00	0.00	2.98	16.61	2.00	0.00	1.00	0.00
3.00	17.71	2.00	0.00	1.00	0.00	3.02	16.91	2.00	0.00	1.00	0.00
3.04	16.28	2.00	0.00	1.00	0.00	3.06	15.33	2.00	0.00	1.00	0.00
3.08	15.06	2.00	0.00	1.00	0.00	3.10	15.12	2.00	0.00	1.00	0.00
3.12	15.18	2.00	0.00	1.00	0.00	3.14	15.30	2.00	0.00	1.00	0.00
3.16	15.53	2.00	0.00	1.00	0.00	3.18	16.20	2.00	0.00	1.00	0.00
3.20	16.19	2.00	0.00	1.00	0.00	3.22	15.15	2.00	0.00	1.00	0.00
3.24	14.43	2.00	0.00	1.00	0.00	3.26	14.10	2.00	0.00	1.00	0.00
3.28	13.26	2.00	0.00	1.00	0.00	3.30	13.25	2.00	0.00	1.00	0.00
3.32	13.23	2.00	0.00	1.00	0.00	3.34	13.21	2.00	0.00	1.00	0.00
3.36	13.35	2.00	0.00	1.00	0.00	3.38	14.02	2.00	0.00	1.00	0.00
3.40	15.17	2.00	0.00	1.00	0.00	3.42	15.84	2.00	0.00	1.00	0.00
3.44	16.11	2.00	0.00	1.00	0.00	3.46	16.91	2.00	0.00	1.00	0.00
3.48	17.48	2.00	0.00	1.00	0.00	3.50	17.22	2.00	0.00	1.00	0.00
3.52	17.90	2.00	0.00	1.00	0.00	3.54	18.35	2.00	0.00	1.00	0.00
3.56	18.84	2.00	0.00	1.00	0.00	3.59	18.87	2.00	0.00	1.00	0.00
3.60	18.30	2.00	0.00	1.00	0.00	3.62	18.36	2.00	0.00	1.00	0.00
3.64	18.05	2.00	0.00	1.00	0.00	3.66	17.29	2.00	0.00	1.00	0.00
3.68	16.81	2.00	0.00	1.00	0.00	3.70	16.56	2.00	0.00	1.00	0.00
3.72	16.48	2.00	0.00	1.00	0.00	3.74	16.45	2.00	0.00	1.00	0.00
3.76	16.42	2.00	0.00	1.00	0.00	3.78	16.41	2.00	0.00	1.00	0.00
3.80	16.71	2.00	0.00	1.00	0.00	3.82	16.80	2.00	0.00	1.00	0.00
3.84	15.90	2.00	0.00	1.00	0.00	3.86	15.39	2.00	0.00	1.00	0.00
3.88	15.33	2.00	0.00	1.00	0.00	3.90	15.29	2.00	0.00	1.00	0.00
3.92	15.26	2.00	0.00	1.00	0.00	3.94	15.24	2.00	0.00	1.00	0.00
3.96	15.26	2.00	0.00	1.00	0.00	3.98	16.13	2.00	0.00	1.00	0.00
4.00	17.17	2.00	0.00	1.00	0.00	4.02	17.89	2.00	0.00	1.00	0.00
4.04	17.92	2.00	0.00	1.00	0.00	4.06	18.27	2.00	0.00	1.00	0.00
4.08	18.43	2.00	0.00	1.00	0.00	4.10	18.70	2.00	0.00	1.00	0.00
4.12	18.66	2.00	0.00	1.00	0.00	4.14	18.68	2.00	0.00	1.00	0.00
4.16	18.74	2.00	0.00	1.00	0.00	4.18	18.79	2.00	0.00	1.00	0.00
4.20	18.92	2.00	0.00	1.00	0.00	4.22	18.78	2.00	0.00	1.00	0.00
4.24	18.78	2.00	0.00	1.00	0.00	4.26	18.79	2.00	0.00	1.00	0.00
4.28	19.15	2.00	0.00	1.00	0.00	4.30	20.14	2.00	0.00	1.00	0.00
4.32	20.36	2.00	0.00	1.00	0.00	4.34	20.64	2.00	0.00	1.00	0.00
4.36	20.82	2.00	0.00	1.00	0.00	4.38	21.29	2.00	0.00	1.00	0.00
4.40	21.63	2.00	0.00	1.00	0.00	4.42	21.55	2.00	0.00	1.00	0.00
4.44	21.76	2.00	0.00	1.00	0.00	4.46	22.12	2.00	0.00	1.00	0.00
4.48	22.39	2.00	0.00	1.00	0.00	4.50	21.72	2.00	0.00	1.00	0.00
4.52	21.40	2.00	0.00	1.00	0.00	4.54	20.41	2.00	0.00	1.00	0.00
4.56	20.23	2.00	0.00	1.00	0.00	4.58	20.21	2.00	0.00	1.00	0.00
4.60	20.15	2.00	0.00	1.00	0.00	4.62	20.12	2.00	0.00	1.00	0.00
4.64	20.10	2.00	0.00	1.00	0.00	4.66	20.08	2.00	0.00	1.00	0.00
4.68	20.14	2.00	0.00	1.00	0.00	4.70	20.54	2.00	0.00	1.00	0.00
4.72	20.87	2.00	0.00	1.00	0.00	4.74	20.95	2.00	0.00	1.00	0.00
4.76	21.05	2.00	0.00	1.00	0.00	4.78	20.97	2.00	0.00	1.00	0.00
4.80	20.88	2.00	0.00	1.00	0.00	4.82	20.62	2.00	0.00	1.00	0.00
4.84	20.49	2.00	0.00	1.00	0.00	4.86	20.47	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.88	20.46	2.00	0.00	1.00	0.00	4.90	20.73	2.00	0.00	1.00	0.00
4.92	21.32	2.00	0.00	1.00	0.00	4.94	21.86	2.00	0.00	1.00	0.00
4.96	22.09	2.00	0.00	1.00	0.00	4.98	22.90	2.00	0.00	1.00	0.00
5.00	22.98	2.00	0.00	1.00	0.00	5.02	23.32	2.00	0.00	1.00	0.00
5.04	23.77	2.00	0.00	1.00	0.00	5.06	23.58	2.00	0.00	1.00	0.00
5.08	23.59	2.00	0.00	1.00	0.00	5.10	23.61	2.00	0.00	1.00	0.00
5.12	24.14	2.00	0.00	1.00	0.00	5.14	23.92	2.00	0.00	1.00	0.00
5.16	23.89	2.00	0.00	1.00	0.00	5.19	23.84	2.00	0.00	1.00	0.00
5.20	23.86	2.00	0.00	1.00	0.00	5.22	23.90	2.00	0.00	1.00	0.00
5.24	24.34	2.00	0.00	1.00	0.00	5.26	25.87	2.00	0.00	1.00	0.00
5.28	26.97	2.00	0.00	1.00	0.00	5.30	28.22	2.00	0.00	1.00	0.00
5.32	29.00	2.00	0.00	1.00	0.00	5.34	29.24	2.00	0.00	1.00	0.00
5.36	28.97	2.00	0.00	1.00	0.00	5.38	28.67	2.00	0.00	1.00	0.00
5.40	28.01	2.00	0.00	1.00	0.00	5.42	27.52	2.00	0.00	1.00	0.00
5.44	26.95	2.00	0.00	1.00	0.00	5.46	26.54	2.00	0.00	1.00	0.00
5.48	25.64	2.00	0.00	1.00	0.00	5.50	24.12	2.00	0.00	1.00	0.00
5.52	23.91	2.00	0.00	1.00	0.00	5.54	23.79	2.00	0.00	1.00	0.00
5.56	23.73	2.00	0.00	1.00	0.00	5.58	23.70	2.00	0.00	1.00	0.00
5.60	23.67	2.00	0.00	1.00	0.00	5.62	24.31	2.00	0.00	1.00	0.00
5.64	24.32	2.00	0.00	1.00	0.00	5.66	24.61	2.00	0.00	1.00	0.00
5.68	25.22	2.00	0.00	1.00	0.00	5.70	25.71	2.00	0.00	1.00	0.00
5.72	26.05	2.00	0.00	1.00	0.00	5.74	26.89	2.00	0.00	1.00	0.00
5.76	27.23	2.00	0.00	1.00	0.00	5.78	27.36	2.00	0.00	1.00	0.00
5.80	29.27	2.00	0.00	1.00	0.00	5.82	29.98	2.00	0.00	1.00	0.00
5.84	30.23	2.00	0.00	1.00	0.00	5.86	30.81	2.00	0.00	1.00	0.00
5.88	31.63	2.00	0.00	1.00	0.00	5.90	31.66	2.00	0.00	1.00	0.00
5.92	31.58	2.00	0.00	1.00	0.00	5.94	31.59	2.00	0.00	1.00	0.00
5.96	31.61	2.00	0.00	1.00	0.00	5.98	31.92	2.00	0.00	1.00	0.00
6.00	31.82	2.00	0.00	1.00	0.00	6.02	31.77	2.00	0.00	1.00	0.00
6.04	31.73	2.00	0.00	1.00	0.00	6.06	31.70	2.00	0.00	1.00	0.00
6.08	31.68	2.00	0.00	1.00	0.00	6.10	32.03	2.00	0.00	1.00	0.00
6.12	33.03	2.00	0.00	1.00	0.00	6.14	33.18	2.00	0.00	1.00	0.00
6.16	33.15	2.00	0.00	1.00	0.00	6.18	33.89	2.00	0.00	1.00	0.00
6.20	33.53	2.00	0.00	1.00	0.00	6.22	33.50	2.00	0.00	1.00	0.00
6.24	33.46	2.00	0.00	1.00	0.00	6.26	33.43	2.00	0.00	1.00	0.00
6.28	33.31	2.00	0.00	1.00	0.00	6.30	32.80	2.00	0.00	1.00	0.00
6.32	32.60	2.00	0.00	1.00	0.00	6.34	32.04	2.00	0.00	1.00	0.00
6.36	32.04	2.00	0.00	1.00	0.00	6.38	31.16	2.00	0.00	1.00	0.00
6.40	30.72	2.00	0.00	1.00	0.00	6.42	30.63	2.00	0.00	1.00	0.00
6.44	30.57	2.00	0.00	1.00	0.00	6.46	30.54	2.00	0.00	1.00	0.00
6.48	30.51	2.00	0.00	1.00	0.00	6.50	30.90	2.00	0.00	1.00	0.00
6.52	30.62	2.00	0.00	1.00	0.00	6.54	30.49	2.00	0.00	1.00	0.00
6.56	30.48	2.00	0.00	1.00	0.00	6.58	30.48	2.00	0.00	1.00	0.00
6.60	30.52	2.00	0.00	1.00	0.00	6.62	30.82	2.00	0.00	1.00	0.00
6.64	31.52	2.00	0.00	1.00	0.00	6.66	33.09	2.00	0.00	1.00	0.00
6.68	32.85	2.00	0.00	1.00	0.00	6.70	33.46	2.00	0.00	1.00	0.00
6.72	34.72	2.00	0.00	1.00	0.00	6.74	31.41	2.00	0.00	1.00	0.00
6.76	30.30	2.00	0.00	1.00	0.00	6.78	30.28	2.00	0.00	1.00	0.00
6.80	30.19	2.00	0.00	1.00	0.00	6.82	30.11	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.84	30.12	2.00	0.00	1.00	0.00	6.86	29.94	2.00	0.00	1.00	0.00
6.88	30.11	2.00	0.00	1.00	0.00	6.90	29.45	2.00	0.00	1.00	0.00
6.92	29.33	2.00	0.00	1.00	0.00	6.94	29.32	2.00	0.00	1.00	0.00
6.96	29.30	2.00	0.00	1.00	0.00	6.98	29.33	2.00	0.00	1.00	0.00
7.00	29.63	2.00	0.00	1.00	0.00	7.02	29.89	2.00	0.00	1.00	0.00
7.04	30.16	2.00	0.00	1.00	0.00	7.06	30.42	2.00	0.00	1.00	0.00
7.08	29.83	2.00	0.00	1.00	0.00	7.10	29.32	2.00	0.00	1.00	0.00
7.12	29.24	2.00	0.00	1.00	0.00	7.14	29.20	2.00	0.00	1.00	0.00
7.16	29.16	2.00	0.00	1.00	0.00	7.18	29.13	2.00	0.00	1.00	0.00
7.20	29.43	2.00	0.00	1.00	0.00	7.22	30.00	2.00	0.00	1.00	0.00
7.24	29.81	2.00	0.00	1.00	0.00	7.26	28.77	2.00	0.00	1.00	0.00
7.28	26.77	2.00	0.00	1.00	0.00	7.30	25.57	2.00	0.00	1.00	0.00
7.32	25.03	2.00	0.00	1.00	0.00	7.34	24.74	2.00	0.00	1.00	0.00
7.36	24.59	2.00	0.00	1.00	0.00	7.38	24.52	2.00	0.00	1.00	0.00
7.40	24.68	2.00	0.00	1.00	0.00	7.42	24.84	2.00	0.00	1.00	0.00
7.44	25.52	2.00	0.00	1.00	0.00	7.46	26.30	2.00	0.00	1.00	0.00
7.48	27.29	2.00	0.00	1.00	0.00	7.50	28.78	2.00	0.00	1.00	0.00
7.52	31.32	2.00	0.00	1.00	0.00	7.54	32.58	2.00	0.00	1.00	0.00
7.56	34.00	2.00	0.00	1.00	0.00	7.58	30.70	2.00	0.00	1.00	0.00
7.60	28.87	2.00	0.00	1.00	0.00	7.62	27.31	2.00	0.00	1.00	0.00
7.64	25.23	2.00	0.00	1.00	0.00	7.66	23.94	2.00	0.00	1.00	0.00
7.68	23.46	2.00	0.00	1.00	0.00	7.70	23.41	2.00	0.00	1.00	0.00
7.72	23.35	2.00	0.00	1.00	0.00	7.74	23.36	2.00	0.00	1.00	0.00
7.76	23.25	2.00	0.00	1.00	0.00	7.78	23.46	2.00	0.00	1.00	0.00
7.80	22.80	2.00	0.00	1.00	0.00	7.82	22.63	2.00	0.00	1.00	0.00
7.84	22.31	2.00	0.00	1.00	0.00	7.86	22.08	2.00	0.00	1.00	0.00
7.88	21.57	2.00	0.00	1.00	0.00	7.90	21.53	2.00	0.00	1.00	0.00
7.92	21.50	2.00	0.00	1.00	0.00	7.94	21.51	2.00	0.00	1.00	0.00
7.96	21.53	2.00	0.00	1.00	0.00	7.98	21.49	2.00	0.00	1.00	0.00
8.00	21.48	2.00	0.00	1.00	0.00	8.02	21.48	2.00	0.00	1.00	0.00
8.04	21.50	2.00	0.00	1.00	0.00	8.06	21.60	2.00	0.00	1.00	0.00
8.08	21.75	2.00	0.00	1.00	0.00	8.10	22.46	2.00	0.00	1.00	0.00
8.12	21.99	2.00	0.00	1.00	0.00	8.14	22.19	2.00	0.00	1.00	0.00
8.16	21.87	2.00	0.00	1.00	0.00	8.18	20.71	2.00	0.00	1.00	0.00
8.20	19.40	2.00	0.00	1.00	0.00	8.22	18.38	2.00	0.00	1.00	0.00
8.24	17.71	2.00	0.00	1.00	0.00	8.26	16.54	2.00	0.00	1.00	0.00
8.28	14.74	2.00	0.00	1.00	0.00	8.30	13.88	2.00	0.00	1.00	0.00
8.32	13.50	2.00	0.00	1.00	0.00	8.34	12.45	2.00	0.00	1.00	0.00
8.36	11.94	2.00	0.00	1.00	0.00	8.38	11.95	2.00	0.00	1.00	0.00
8.40	11.88	2.00	0.00	1.00	0.00	8.42	11.83	2.00	0.00	1.00	0.00
8.44	11.81	2.00	0.00	1.00	0.00	8.46	11.79	2.00	0.00	1.00	0.00
8.48	11.78	2.00	0.00	1.00	0.00	8.50	11.77	2.00	0.00	1.00	0.00
8.52	11.76	2.00	0.00	1.00	0.00	8.54	11.76	2.00	0.00	1.00	0.00
8.56	11.80	2.00	0.00	1.00	0.00	8.58	11.92	2.00	0.00	1.00	0.00
8.60	12.16	2.00	0.00	1.00	0.00	8.62	12.34	2.00	0.00	1.00	0.00
8.64	12.38	2.00	0.00	1.00	0.00	8.66	12.86	2.00	0.00	1.00	0.00
8.68	12.53	2.00	0.00	1.00	0.00	8.70	12.78	2.00	0.00	1.00	0.00
8.72	13.00	2.00	0.00	1.00	0.00	8.74	12.80	2.00	0.00	1.00	0.00
8.76	12.77	2.00	0.00	1.00	0.00	8.78	12.56	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.80	12.34	2.00	0.00	1.00	0.00	8.82	12.41	2.00	0.00	1.00	0.00
8.84	12.22	2.00	0.00	1.00	0.00	8.86	12.12	2.00	0.00	1.00	0.00
8.88	12.07	2.00	0.00	1.00	0.00	8.90	12.06	2.00	0.00	1.00	0.00
8.92	12.05	2.00	0.00	1.00	0.00	8.94	12.79	2.00	0.00	1.00	0.00
8.96	13.11	2.00	0.00	1.00	0.00	8.98	13.54	2.00	0.00	1.00	0.00
9.00	13.73	2.00	0.00	1.00	0.00	9.02	14.06	2.00	0.00	1.00	0.00
9.04	14.17	2.00	0.00	1.00	0.00	9.06	13.91	2.00	0.00	1.00	0.00
9.08	13.62	2.00	0.00	1.00	0.00	9.09	13.85	2.00	0.00	1.00	0.00
9.11	13.52	2.00	0.00	1.00	0.00	9.13	13.28	2.00	0.00	1.00	0.00
9.15	13.16	2.00	0.00	1.00	0.00	9.17	13.09	2.00	0.00	1.00	0.00
9.19	13.08	2.00	0.00	1.00	0.00	9.21	13.07	2.00	0.00	1.00	0.00
9.23	13.19	2.00	0.00	1.00	0.00	9.25	13.43	2.00	0.00	1.00	0.00
9.27	14.57	2.00	0.00	1.00	0.00	9.29	14.77	2.00	0.00	1.00	0.00
9.31	14.92	2.00	0.00	1.00	0.00	9.33	15.03	2.00	0.00	1.00	0.00
9.35	15.72	2.00	0.00	1.00	0.00	9.37	16.46	2.00	0.00	1.00	0.00
9.39	16.98	2.00	0.00	1.00	0.00	9.41	16.99	2.00	0.00	1.00	0.00
9.43	17.41	2.00	0.00	1.00	0.00	9.45	17.12	2.00	0.00	1.00	0.00
9.47	17.34	2.00	0.00	1.00	0.00	9.49	17.54	2.00	0.00	1.00	0.00
9.51	17.74	2.00	0.00	1.00	0.00	9.53	18.50	2.00	0.00	1.00	0.00
9.55	19.97	2.00	0.00	1.00	0.00	9.57	19.98	2.00	0.00	1.00	0.00
9.59	20.73	2.00	0.00	1.00	0.00	9.61	21.04	2.00	0.00	1.00	0.00
9.63	20.85	2.00	0.00	1.00	0.00	9.65	20.41	2.00	0.00	1.00	0.00
9.67	20.14	2.00	0.00	1.00	0.00	9.69	20.02	2.00	0.00	1.00	0.00
9.71	19.59	2.00	0.00	1.00	0.00	9.73	19.22	2.00	0.00	1.00	0.00
9.75	19.03	2.00	0.00	1.00	0.00	9.77	19.00	2.00	0.00	1.00	0.00
9.79	18.98	2.00	0.00	1.00	0.00	9.81	18.97	2.00	0.00	1.00	0.00
9.83	20.13	2.00	0.00	1.00	0.00	9.85	20.72	2.00	0.00	1.00	0.00
9.87	21.12	2.00	0.00	1.00	0.00	9.89	20.90	2.00	0.00	1.00	0.00
9.91	21.28	2.00	0.00	1.00	0.00	9.93	21.66	2.00	0.00	1.00	0.00
9.95	23.30	2.00	0.00	1.00	0.00	9.97	23.11	2.00	0.00	1.00	0.00
9.99	22.75	2.00	0.00	1.00	0.00	10.01	22.72	2.00	0.00	1.00	0.00
10.03	21.06	2.00	0.00	1.00	0.00	10.05	20.13	2.00	0.00	1.00	0.00
10.07	19.30	2.00	0.00	1.00	0.00	10.09	19.19	2.00	0.00	1.00	0.00
10.11	19.17	2.00	0.00	1.00	0.00	10.13	19.15	2.00	0.00	1.00	0.00
10.15	19.16	2.00	0.00	1.00	0.00	10.17	19.33	2.00	0.00	1.00	0.00
10.19	19.44	2.00	0.00	1.00	0.00	10.21	19.10	2.00	0.00	1.00	0.00
10.23	19.09	2.00	0.00	1.00	0.00	10.25	18.52	2.00	0.00	1.00	0.00
10.27	17.88	2.00	0.00	1.00	0.00	10.29	17.86	2.00	0.00	1.00	0.00
10.31	17.85	2.00	0.00	1.00	0.00	10.33	17.83	2.00	0.00	1.00	0.00
10.35	17.82	2.00	0.00	1.00	0.00	10.37	17.81	2.00	0.00	1.00	0.00
10.39	17.84	2.00	0.00	1.00	0.00	10.41	17.96	2.00	0.00	1.00	0.00
10.43	18.60	2.00	0.00	1.00	0.00	10.45	19.16	2.00	0.00	1.00	0.00
10.47	19.34	2.00	0.00	1.00	0.00	10.49	19.15	2.00	0.00	1.00	0.00
10.51	19.14	2.00	0.00	1.00	0.00	10.53	19.13	2.00	0.00	1.00	0.00
10.55	19.16	2.00	0.00	1.00	0.00	10.57	19.25	2.00	0.00	1.00	0.00
10.59	19.16	2.00	0.00	1.00	0.00	10.61	19.13	2.00	0.00	1.00	0.00
10.63	19.12	2.00	0.00	1.00	0.00	10.65	19.11	2.00	0.00	1.00	0.00
10.67	19.11	2.00	0.00	1.00	0.00	10.69	19.17	2.00	0.00	1.00	0.00
10.71	19.08	2.00	0.00	1.00	0.00	10.73	19.12	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.75	19.16	2.00	0.00	1.00	0.00	10.77	19.30	2.00	0.00	1.00	0.00
10.79	19.46	2.00	0.00	1.00	0.00	10.81	19.51	2.00	0.00	1.00	0.00
10.83	19.46	2.00	0.00	1.00	0.00	10.85	19.47	2.00	0.00	1.00	0.00
10.87	19.47	2.00	0.00	1.00	0.00	10.89	19.50	2.00	0.00	1.00	0.00
10.91	19.70	2.00	0.00	1.00	0.00	10.93	19.76	2.00	0.00	1.00	0.00
10.95	19.90	2.00	0.00	1.00	0.00	10.97	19.99	2.00	0.00	1.00	0.00
10.99	20.52	2.00	0.00	1.00	0.00	11.01	20.86	2.00	0.00	1.00	0.00
11.03	21.01	2.00	0.00	1.00	0.00	11.05	21.19	2.00	0.00	1.00	0.00
11.07	21.91	2.00	0.00	1.00	0.00	11.09	22.94	2.00	0.00	1.00	0.00
11.11	24.29	2.00	0.00	1.00	0.00	11.13	26.39	2.00	0.00	1.00	0.00
11.15	27.44	2.00	0.00	1.00	0.00	11.17	28.04	2.00	0.00	1.00	0.00
11.19	28.85	2.00	0.00	1.00	0.00	11.21	29.40	2.00	0.00	1.00	0.00
11.23	28.85	2.00	0.00	1.00	0.00	11.25	29.23	2.00	0.00	1.00	0.00
11.27	29.15	2.00	0.00	1.00	0.00	11.29	28.51	2.00	0.00	1.00	0.00
11.31	28.44	2.00	0.00	1.00	0.00	11.33	27.96	2.00	0.00	1.00	0.00
11.35	26.88	2.00	0.00	1.00	0.00	11.37	26.24	2.00	0.00	1.00	0.00
11.39	25.80	2.00	0.00	1.00	0.00	11.41	25.09	2.00	0.00	1.00	0.00
11.43	24.43	2.00	0.00	1.00	0.00	11.45	24.33	2.00	0.00	1.00	0.00
11.47	24.31	2.00	0.00	1.00	0.00	11.49	24.29	2.00	0.00	1.00	0.00
11.51	24.27	2.00	0.00	1.00	0.00	11.53	24.39	2.00	0.00	1.00	0.00
11.55	24.31	2.00	0.00	1.00	0.00	11.57	24.50	2.00	0.00	1.00	0.00
11.59	24.39	2.00	0.00	1.00	0.00	11.61	24.46	2.00	0.00	1.00	0.00
11.63	24.52	2.00	0.00	1.00	0.00	11.65	24.62	2.00	0.00	1.00	0.00
11.67	25.12	2.00	0.00	1.00	0.00	11.69	24.97	2.00	0.00	1.00	0.00
11.71	24.99	2.00	0.00	1.00	0.00	11.73	25.01	2.00	0.00	1.00	0.00
11.75	24.80	2.00	0.00	1.00	0.00	11.77	24.35	2.00	0.00	1.00	0.00
11.79	23.77	2.00	0.00	1.00	0.00	11.81	23.57	2.00	0.00	1.00	0.00
11.83	23.49	2.00	0.00	1.00	0.00	11.85	23.27	2.00	0.00	1.00	0.00
11.87	21.64	2.00	0.00	1.00	0.00	11.89	21.42	2.00	0.00	1.00	0.00
11.91	21.20	2.00	0.00	1.00	0.00	11.93	20.90	2.00	0.00	1.00	0.00
11.95	20.73	2.00	0.00	1.00	0.00	11.97	20.37	2.00	0.00	1.00	0.00
11.99	20.29	2.00	0.00	1.00	0.00	12.01	20.26	2.00	0.00	1.00	0.00
12.03	20.24	2.00	0.00	1.00	0.00	12.05	20.23	2.00	0.00	1.00	0.00
12.07	20.22	2.00	0.00	1.00	0.00	12.09	20.32	2.00	0.00	1.00	0.00
12.11	20.34	2.00	0.00	1.00	0.00	12.13	19.86	2.00	0.00	1.00	0.00
12.15	19.64	2.00	0.00	1.00	0.00	12.17	19.47	2.00	0.00	1.00	0.00
12.19	18.67	2.00	0.00	1.00	0.00	12.21	18.02	2.00	0.00	1.00	0.00
12.23	17.70	2.00	0.00	1.00	0.00	12.25	17.29	2.00	0.00	1.00	0.00
12.27	16.30	2.00	0.00	1.00	0.00	12.29	15.69	2.00	0.00	1.00	0.00
12.31	15.35	2.00	0.00	1.00	0.00	12.33	14.35	2.00	0.00	1.00	0.00
12.35	13.28	2.00	0.00	1.00	0.00	12.37	13.10	2.00	0.00	1.00	0.00
12.39	12.19	2.00	0.00	1.00	0.00	12.41	11.56	2.00	0.00	1.00	0.00
12.43	10.83	2.00	0.00	1.00	0.00	12.45	10.39	2.00	0.00	1.00	0.00
12.47	9.88	2.00	0.00	1.00	0.00	12.49	9.57	2.00	0.00	1.00	0.00
12.51	9.31	2.00	0.00	1.00	0.00	12.53	9.03	2.00	0.00	1.00	0.00
12.55	8.79	2.00	0.00	1.00	0.00	12.57	8.33	2.00	0.00	1.00	0.00
12.59	7.99	2.00	0.00	1.00	0.00	12.61	7.81	2.00	0.00	1.00	0.00
12.63	7.78	2.00	0.00	1.00	0.00	12.65	7.78	2.00	0.00	1.00	0.00
12.67	7.77	2.00	0.00	1.00	0.00	12.69	7.77	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.71	7.82	2.00	0.00	1.00	0.00	12.73	8.43	2.00	0.00	1.00	0.00
12.75	8.79	2.00	0.00	1.00	0.00	12.77	8.94	2.00	0.00	1.00	0.00
12.79	9.03	2.00	0.00	1.00	0.00	12.81	9.20	2.00	0.00	1.00	0.00
12.83	9.30	2.00	0.00	1.00	0.00	12.85	9.77	2.00	0.00	1.00	0.00
12.87	9.71	2.00	0.00	1.00	0.00	12.89	10.05	2.00	0.00	1.00	0.00
12.91	10.39	2.00	0.00	1.00	0.00	12.93	10.00	2.00	0.00	1.00	0.00
12.95	9.85	2.00	0.00	1.00	0.00	12.97	9.76	2.00	0.00	1.00	0.00
12.98	9.71	2.00	0.00	1.00	0.00	13.00	9.68	2.00	0.00	1.00	0.00
13.02	9.41	2.00	0.00	1.00	0.00	13.04	9.19	2.00	0.00	1.00	0.00
13.06	9.14	2.00	0.00	1.00	0.00	13.08	9.14	2.00	0.00	1.00	0.00
13.10	9.14	2.00	0.00	1.00	0.00	13.12	9.16	2.00	0.00	1.00	0.00
13.14	9.47	2.00	0.00	1.00	0.00	13.16	8.78	2.00	0.00	1.00	0.00
13.18	8.52	2.00	0.00	1.00	0.00	13.20	8.25	2.00	0.00	1.00	0.00
13.22	7.98	2.00	0.00	1.00	0.00	13.24	7.92	2.00	0.00	1.00	0.00
13.26	7.91	2.00	0.00	1.00	0.00	13.28	7.97	2.00	0.00	1.00	0.00
13.30	8.03	2.00	0.00	1.00	0.00	13.32	8.15	2.00	0.00	1.00	0.00
13.34	9.82	2.00	0.00	1.00	0.00	13.36	10.80	2.00	0.00	1.00	0.00
13.38	9.95	2.00	0.00	1.00	0.00	13.40	9.75	2.00	0.00	1.00	0.00
13.42	9.73	2.00	0.00	1.00	0.00	13.44	9.75	2.00	0.00	1.00	0.00
13.46	9.76	2.00	0.00	1.00	0.00	13.48	9.80	2.00	0.00	1.00	0.00
13.50	10.00	2.00	0.00	1.00	0.00	13.52	10.96	2.00	0.00	1.00	0.00
13.54	11.84	2.00	0.00	1.00	0.00	13.56	11.73	2.00	0.00	1.00	0.00
13.58	11.35	2.00	0.00	1.00	0.00	13.60	11.16	2.00	0.00	1.00	0.00
13.62	11.15	2.00	0.00	1.00	0.00	13.64	11.15	2.00	0.00	1.00	0.00
13.66	11.15	2.00	0.00	1.00	0.00	13.68	11.65	2.00	0.00	1.00	0.00
13.70	11.57	2.00	0.00	1.00	0.00	13.72	11.66	2.00	0.00	1.00	0.00
13.74	12.55	2.00	0.00	1.00	0.00	13.76	14.04	2.00	0.00	1.00	0.00
13.78	14.48	2.00	0.00	1.00	0.00	13.80	14.70	2.00	0.00	1.00	0.00
13.82	15.49	2.00	0.00	1.00	0.00	13.84	16.30	2.00	0.00	1.00	0.00
13.86	16.85	2.00	0.00	1.00	0.00	13.88	22.07	2.00	0.00	1.00	0.00
13.90	17.64	2.00	0.00	1.00	0.00	13.92	15.96	2.00	0.00	1.00	0.00
13.94	15.69	2.00	0.00	1.00	0.00	13.96	15.41	2.00	0.00	1.00	0.00
13.98	15.41	2.00	0.00	1.00	0.00	14.00	15.22	2.00	0.00	1.00	0.00
14.02	15.20	2.00	0.00	1.00	0.00	14.04	15.18	2.00	0.00	1.00	0.00
14.06	15.24	2.00	0.00	1.00	0.00	14.08	15.15	2.00	0.00	1.00	0.00
14.10	14.58	2.00	0.00	1.00	0.00	14.12	13.96	2.00	0.00	1.00	0.00
14.14	13.01	2.00	0.00	1.00	0.00	14.16	12.92	2.00	0.00	1.00	0.00
14.18	12.88	2.00	0.00	1.00	0.00	14.20	12.90	2.00	0.00	1.00	0.00
14.22	12.92	2.00	0.00	1.00	0.00	14.24	14.10	2.00	0.00	1.00	0.00
14.26	15.68	2.00	0.00	1.00	0.00	14.28	15.47	2.00	0.00	1.00	0.00
14.30	15.76	2.00	0.00	1.00	0.00	14.32	16.06	2.00	0.00	1.00	0.00
14.34	16.70	2.00	0.00	1.00	0.00	14.36	20.65	2.00	0.00	1.00	0.00
14.38	25.48	2.00	0.00	1.00	0.00	14.40	27.50	2.00	0.00	1.00	0.00
14.42	92.79	1.08	0.93	1.00	0.02	14.44	97.76	1.14	0.70	1.00	0.01
14.46	99.61	1.17	0.64	1.00	0.01	14.48	100.39	1.18	0.61	1.00	0.01
14.50	98.40	1.15	0.67	1.00	0.01	14.52	93.74	1.09	0.86	1.00	0.02
14.54	85.69	1.00	1.62	1.00	0.03	14.56	18.42	2.00	0.00	1.00	0.00
14.58	14.58	2.00	0.00	1.00	0.00	14.60	11.90	2.00	0.00	1.00	0.00
14.62	8.79	2.00	0.00	1.00	0.00	14.64	8.19	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.66	8.38	2.00	0.00	1.00	0.00	14.68	7.58	2.00	0.00	1.00	0.00
14.70	7.01	2.00	0.00	1.00	0.00	14.72	6.17	2.00	0.00	1.00	0.00
14.74	5.85	2.00	0.00	1.00	0.00	14.76	5.83	2.00	0.00	1.00	0.00
14.78	5.83	2.00	0.00	1.00	0.00	14.80	5.84	2.00	0.00	1.00	0.00
14.82	5.85	2.00	0.00	1.00	0.00	14.84	5.93	2.00	0.00	1.00	0.00
14.86	6.09	2.00	0.00	1.00	0.00	14.88	8.86	2.00	0.00	1.00	0.00
14.90	8.81	2.00	0.00	1.00	0.00	14.92	8.68	2.00	0.00	1.00	0.00
14.94	8.61	2.00	0.00	1.00	0.00	14.96	8.58	2.00	0.00	1.00	0.00
14.98	8.79	2.00	0.00	1.00	0.00	15.00	8.99	2.00	0.00	1.00	0.00
15.02	9.92	2.00	0.00	1.00	0.00	15.04	12.42	2.00	0.00	1.00	0.00
15.06	13.42	2.00	0.00	1.00	0.00	15.08	13.02	2.00	0.00	1.00	0.00
15.10	12.50	2.00	0.00	1.00	0.00	15.12	12.51	2.00	0.00	1.00	0.00
15.14	12.51	2.00	0.00	1.00	0.00	15.16	12.55	2.00	0.00	1.00	0.00
15.18	12.64	2.00	0.00	1.00	0.00	15.19	13.12	2.00	0.00	1.00	0.00
15.21	12.72	2.00	0.00	1.00	0.00	15.23	12.00	2.00	0.00	1.00	0.00
15.25	11.96	2.00	0.00	1.00	0.00	15.27	12.00	2.00	0.00	1.00	0.00
15.29	12.04	2.00	0.00	1.00	0.00	15.31	12.15	2.00	0.00	1.00	0.00
15.33	12.64	2.00	0.00	1.00	0.00	15.35	12.86	2.00	0.00	1.00	0.00
15.37	12.51	2.00	0.00	1.00	0.00	15.39	12.26	2.00	0.00	1.00	0.00
15.41	11.72	2.00	0.00	1.00	0.00	15.43	11.69	2.00	0.00	1.00	0.00
15.45	11.70	2.00	0.00	1.00	0.00	15.47	11.71	2.00	0.00	1.00	0.00
15.49	11.75	2.00	0.00	1.00	0.00	15.51	11.83	2.00	0.00	1.00	0.00
15.53	12.30	2.00	0.00	1.00	0.00	15.55	12.71	2.00	0.00	1.00	0.00
15.57	12.74	2.00	0.00	1.00	0.00	15.59	12.90	2.00	0.00	1.00	0.00
15.61	13.27	2.00	0.00	1.00	0.00	15.63	13.74	2.00	0.00	1.00	0.00
15.65	14.00	2.00	0.00	1.00	0.00	15.67	14.32	2.00	0.00	1.00	0.00
15.69	15.27	2.00	0.00	1.00	0.00	15.71	15.51	2.00	0.00	1.00	0.00
15.73	15.44	2.00	0.00	1.00	0.00	15.75	15.60	2.00	0.00	1.00	0.00
15.77	15.76	2.00	0.00	1.00	0.00	15.79	16.01	2.00	0.00	1.00	0.00
15.81	16.89	2.00	0.00	1.00	0.00	15.83	17.63	2.00	0.00	1.00	0.00
15.85	17.58	2.00	0.00	1.00	0.00	15.87	17.52	2.00	0.00	1.00	0.00
15.89	17.25	2.00	0.00	1.00	0.00	15.91	16.97	2.00	0.00	1.00	0.00
15.93	17.17	2.00	0.00	1.00	0.00	15.95	16.75	2.00	0.00	1.00	0.00
15.97	16.12	2.00	0.00	1.00	0.00	15.99	15.85	2.00	0.00	1.00	0.00
16.01	15.54	2.00	0.00	1.00	0.00	16.03	14.72	2.00	0.00	1.00	0.00
16.05	13.67	2.00	0.00	1.00	0.00	16.07	12.96	2.00	0.00	1.00	0.00
16.09	12.94	2.00	0.00	1.00	0.00	16.11	12.94	2.00	0.00	1.00	0.00
16.13	12.93	2.00	0.00	1.00	0.00	16.15	12.95	2.00	0.00	1.00	0.00
16.17	13.02	2.00	0.00	1.00	0.00	16.19	13.29	2.00	0.00	1.00	0.00
16.21	13.73	2.00	0.00	1.00	0.00	16.23	14.17	2.00	0.00	1.00	0.00
16.25	14.72	2.00	0.00	1.00	0.00	16.27	14.95	2.00	0.00	1.00	0.00
16.29	14.92	2.00	0.00	1.00	0.00	16.31	14.98	2.00	0.00	1.00	0.00
16.33	14.91	2.00	0.00	1.00	0.00	16.35	15.27	2.00	0.00	1.00	0.00
16.37	15.36	2.00	0.00	1.00	0.00	16.39	15.30	2.00	0.00	1.00	0.00
16.41	15.37	2.00	0.00	1.00	0.00	16.43	15.43	2.00	0.00	1.00	0.00
16.45	15.59	2.00	0.00	1.00	0.00	16.47	15.90	2.00	0.00	1.00	0.00
16.49	16.46	2.00	0.00	1.00	0.00	16.51	17.04	2.00	0.00	1.00	0.00
16.53	17.02	2.00	0.00	1.00	0.00	16.55	16.39	2.00	0.00	1.00	0.00
16.57	16.28	2.00	0.00	1.00	0.00	16.59	16.24	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.61	16.19	2.00	0.00	1.00	0.00	16.63	16.37	2.00	0.00	1.00	0.00
16.65	16.12	2.00	0.00	1.00	0.00	16.67	15.45	2.00	0.00	1.00	0.00
16.69	15.10	2.00	0.00	1.00	0.00	16.71	15.04	2.00	0.00	1.00	0.00
16.73	14.35	2.00	0.00	1.00	0.00	16.75	13.87	2.00	0.00	1.00	0.00
16.77	13.86	2.00	0.00	1.00	0.00	16.78	13.85	2.00	0.00	1.00	0.00
16.80	13.85	2.00	0.00	1.00	0.00	16.82	13.89	2.00	0.00	1.00	0.00
16.84	14.11	2.00	0.00	1.00	0.00	16.86	14.55	2.00	0.00	1.00	0.00
16.88	15.09	2.00	0.00	1.00	0.00	16.90	14.38	2.00	0.00	1.00	0.00
16.92	13.81	2.00	0.00	1.00	0.00	16.94	13.58	2.00	0.00	1.00	0.00
16.96	13.36	2.00	0.00	1.00	0.00	16.98	13.17	2.00	0.00	1.00	0.00
17.00	13.07	2.00	0.00	1.00	0.00	17.02	13.01	2.00	0.00	1.00	0.00
17.04	13.08	2.00	0.00	1.00	0.00	17.06	13.15	2.00	0.00	1.00	0.00
17.08	13.31	2.00	0.00	1.00	0.00	17.10	13.33	2.00	0.00	1.00	0.00
17.12	13.49	2.00	0.00	1.00	0.00	17.14	13.40	2.00	0.00	1.00	0.00
17.16	12.98	2.00	0.00	1.00	0.00	17.18	12.40	2.00	0.00	1.00	0.00
17.20	12.17	2.00	0.00	1.00	0.00	17.22	11.95	2.00	0.00	1.00	0.00
17.24	11.92	2.00	0.00	1.00	0.00	17.26	12.01	2.00	0.00	1.00	0.00
17.28	11.83	2.00	0.00	1.00	0.00	17.30	11.75	2.00	0.00	1.00	0.00
17.32	11.68	2.00	0.00	1.00	0.00	17.34	11.66	2.00	0.00	1.00	0.00
17.36	11.83	2.00	0.00	1.00	0.00	17.38	11.64	2.00	0.00	1.00	0.00
17.40	11.40	2.00	0.00	1.00	0.00	17.42	11.33	2.00	0.00	1.00	0.00
17.44	11.26	2.00	0.00	1.00	0.00	17.46	11.73	2.00	0.00	1.00	0.00
17.48	11.14	2.00	0.00	1.00	0.00	17.50	10.84	2.00	0.00	1.00	0.00
17.52	10.73	2.00	0.00	1.00	0.00	17.54	10.61	2.00	0.00	1.00	0.00
17.56	10.77	2.00	0.00	1.00	0.00	17.58	10.58	2.00	0.00	1.00	0.00
17.60	10.14	2.00	0.00	1.00	0.00	17.62	10.09	2.00	0.00	1.00	0.00
17.64	10.03	2.00	0.00	1.00	0.00	17.66	10.02	2.00	0.00	1.00	0.00
17.68	10.01	2.00	0.00	1.00	0.00	17.70	10.10	2.00	0.00	1.00	0.00
17.72	9.91	2.00	0.00	1.00	0.00	17.74	9.93	2.00	0.00	1.00	0.00
17.76	9.62	2.00	0.00	1.00	0.00	17.78	9.56	2.00	0.00	1.00	0.00
17.80	9.33	2.00	0.00	1.00	0.00	17.82	9.14	2.00	0.00	1.00	0.00
17.84	9.11	2.00	0.00	1.00	0.00	17.86	9.08	2.00	0.00	1.00	0.00
17.88	8.84	2.00	0.00	1.00	0.00	17.90	8.68	2.00	0.00	1.00	0.00
17.92	8.60	2.00	0.00	1.00	0.00	17.94	8.60	2.00	0.00	1.00	0.00
17.96	8.43	2.00	0.00	1.00	0.00	17.98	8.18	2.00	0.00	1.00	0.00
18.00	8.13	2.00	0.00	1.00	0.00	18.02	8.13	2.00	0.00	1.00	0.00
18.04	8.02	2.00	0.00	1.00	0.00	18.06	7.89	2.00	0.00	1.00	0.00
18.07	7.47	2.00	0.00	1.00	0.00	18.09	7.26	2.00	0.00	1.00	0.00
18.11	7.06	2.00	0.00	1.00	0.00	18.13	6.93	2.00	0.00	1.00	0.00
18.15	6.89	2.00	0.00	1.00	0.00	18.17	6.84	2.00	0.00	1.00	0.00
18.19	6.82	2.00	0.00	1.00	0.00	18.21	6.81	2.00	0.00	1.00	0.00
18.23	6.79	2.00	0.00	1.00	0.00	18.25	6.91	2.00	0.00	1.00	0.00
18.27	6.72	2.00	0.00	1.00	0.00	18.29	6.61	2.00	0.00	1.00	0.00
18.31	6.31	2.00	0.00	1.00	0.00	18.33	6.26	2.00	0.00	1.00	0.00
18.35	6.26	2.00	0.00	1.00	0.00	18.37	6.33	2.00	0.00	1.00	0.00
18.39	6.40	2.00	0.00	1.00	0.00	18.41	6.55	2.00	0.00	1.00	0.00
18.43	7.18	2.00	0.00	1.00	0.00	18.45	7.49	2.00	0.00	1.00	0.00
18.47	7.70	2.00	0.00	1.00	0.00	18.49	7.98	2.00	0.00	1.00	0.00
18.51	7.87	2.00	0.00	1.00	0.00	18.53	7.47	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.55	7.54	2.00	0.00	1.00	0.00	18.57	7.13	2.00	0.00	1.00	0.00
18.59	6.66	2.00	0.00	1.00	0.00	18.61	6.50	2.00	0.00	1.00	0.00
18.63	6.19	2.00	0.00	1.00	0.00	18.65	6.14	2.00	0.00	1.00	0.00
18.67	6.13	2.00	0.00	1.00	0.00	18.69	6.13	2.00	0.00	1.00	0.00
18.71	6.14	2.00	0.00	1.00	0.00	18.73	6.16	2.00	0.00	1.00	0.00
18.75	6.44	2.00	0.00	1.00	0.00	18.77	6.68	2.00	0.00	1.00	0.00
18.79	7.34	2.00	0.00	1.00	0.00	18.81	8.29	2.00	0.00	1.00	0.00
18.83	15.25	2.00	0.00	1.00	0.00	18.85	16.23	2.00	0.00	1.00	0.00
18.87	15.02	2.00	0.00	1.00	0.00	18.89	14.13	2.00	0.00	1.00	0.00
18.91	13.96	2.00	0.00	1.00	0.00	18.93	13.88	2.00	0.00	1.00	0.00
18.95	13.91	2.00	0.00	1.00	0.00	18.97	13.93	2.00	0.00	1.00	0.00
18.99	14.22	2.00	0.00	1.00	0.00	19.01	15.26	2.00	0.00	1.00	0.00
19.03	16.21	2.00	0.00	1.00	0.00	19.05	17.71	2.00	0.00	1.00	0.00
19.07	18.44	2.00	0.00	1.00	0.00	19.09	19.78	2.00	0.00	1.00	0.00
19.11	21.09	2.00	0.00	1.00	0.00	19.12	21.86	2.00	0.00	1.00	0.00
19.14	22.93	2.00	0.00	1.00	0.00	19.16	24.12	2.00	0.00	1.00	0.00
19.18	25.65	2.00	0.00	1.00	0.00	19.20	26.59	2.00	0.00	1.00	0.00
19.22	23.27	2.00	0.00	1.00	0.00	19.24	19.34	2.00	0.00	1.00	0.00
19.26	13.44	2.00	0.00	1.00	0.00	19.28	11.18	2.00	0.00	1.00	0.00
19.30	8.53	2.00	0.00	1.00	0.00	19.32	7.03	2.00	0.00	1.00	0.00
19.34	7.03	2.00	0.00	1.00	0.00	19.36	7.04	2.00	0.00	1.00	0.00
19.38	7.11	2.00	0.00	1.00	0.00	19.40	7.27	2.00	0.00	1.00	0.00
19.42	7.99	2.00	0.00	1.00	0.00	19.44	10.03	2.00	0.00	1.00	0.00
19.46	11.56	2.00	0.00	1.00	0.00	19.48	14.01	2.00	0.00	1.00	0.00
19.50	17.05	2.00	0.00	1.00	0.00	19.52	19.06	2.00	0.00	1.00	0.00
19.54	21.36	2.00	0.00	1.00	0.00	19.56	24.33	2.00	0.00	1.00	0.00
19.58	26.34	2.00	0.00	1.00	0.00	19.60	24.80	2.00	0.00	1.00	0.00
19.62	18.27	2.00	0.00	1.00	0.00	19.64	12.35	2.00	0.00	1.00	0.00
19.66	12.29	2.00	0.00	1.00	0.00	19.68	12.27	2.00	0.00	1.00	0.00
19.70	12.52	2.00	0.00	1.00	0.00	19.72	12.77	2.00	0.00	1.00	0.00
19.74	15.04	2.00	0.00	1.00	0.00	19.76	16.20	2.00	0.00	1.00	0.00
19.78	12.78	2.00	0.00	1.00	0.00	19.80	11.54	2.00	0.00	1.00	0.00
19.82	10.93	2.00	0.00	1.00	0.00	19.84	10.63	2.00	0.00	1.00	0.00
19.86	10.50	2.00	0.00	1.00	0.00	19.88	10.58	2.00	0.00	1.00	0.00
19.90	10.65	2.00	0.00	1.00	0.00	19.92	13.82	2.00	0.00	1.00	0.00

Total estimated settlement: 0.18

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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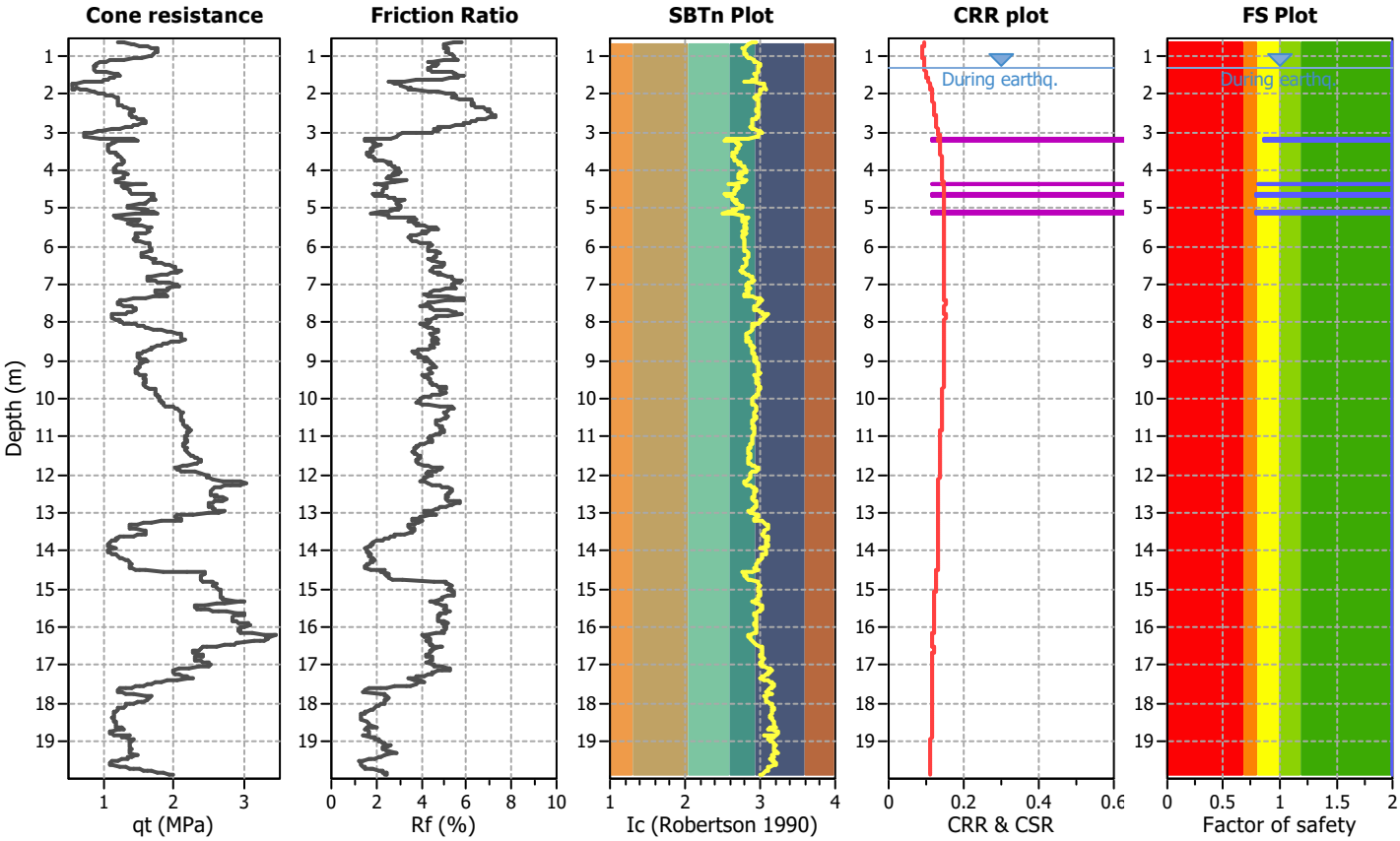
LIQUEFACTION ANALYSIS REPORT

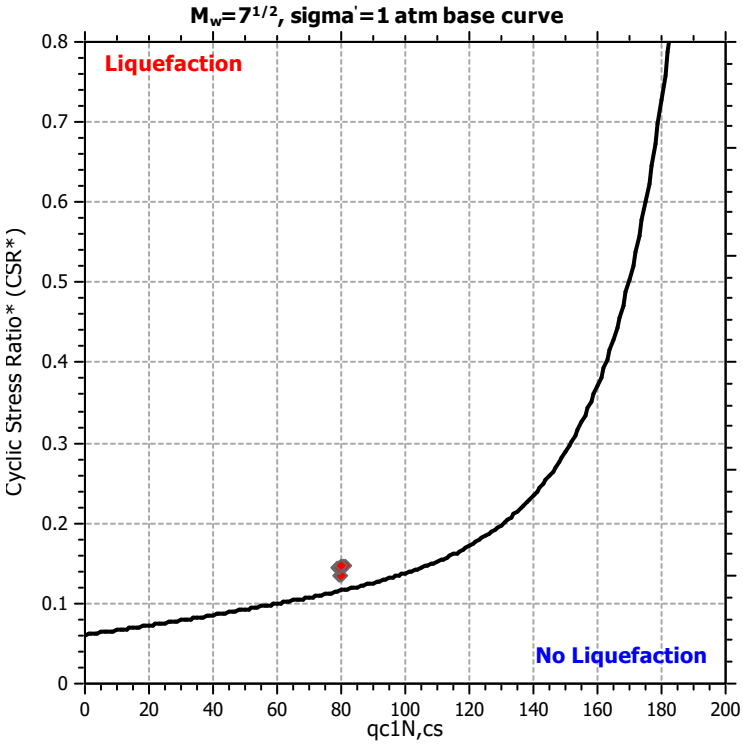
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

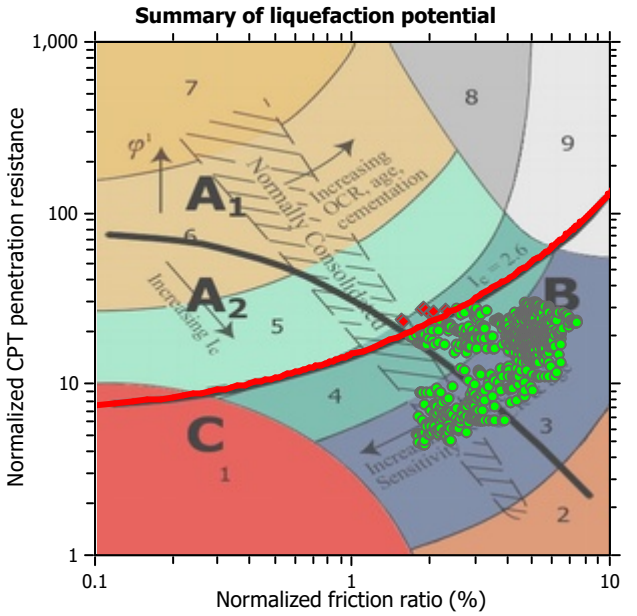
CPT file : P316 - CPTu-22

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	1.30 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.30 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

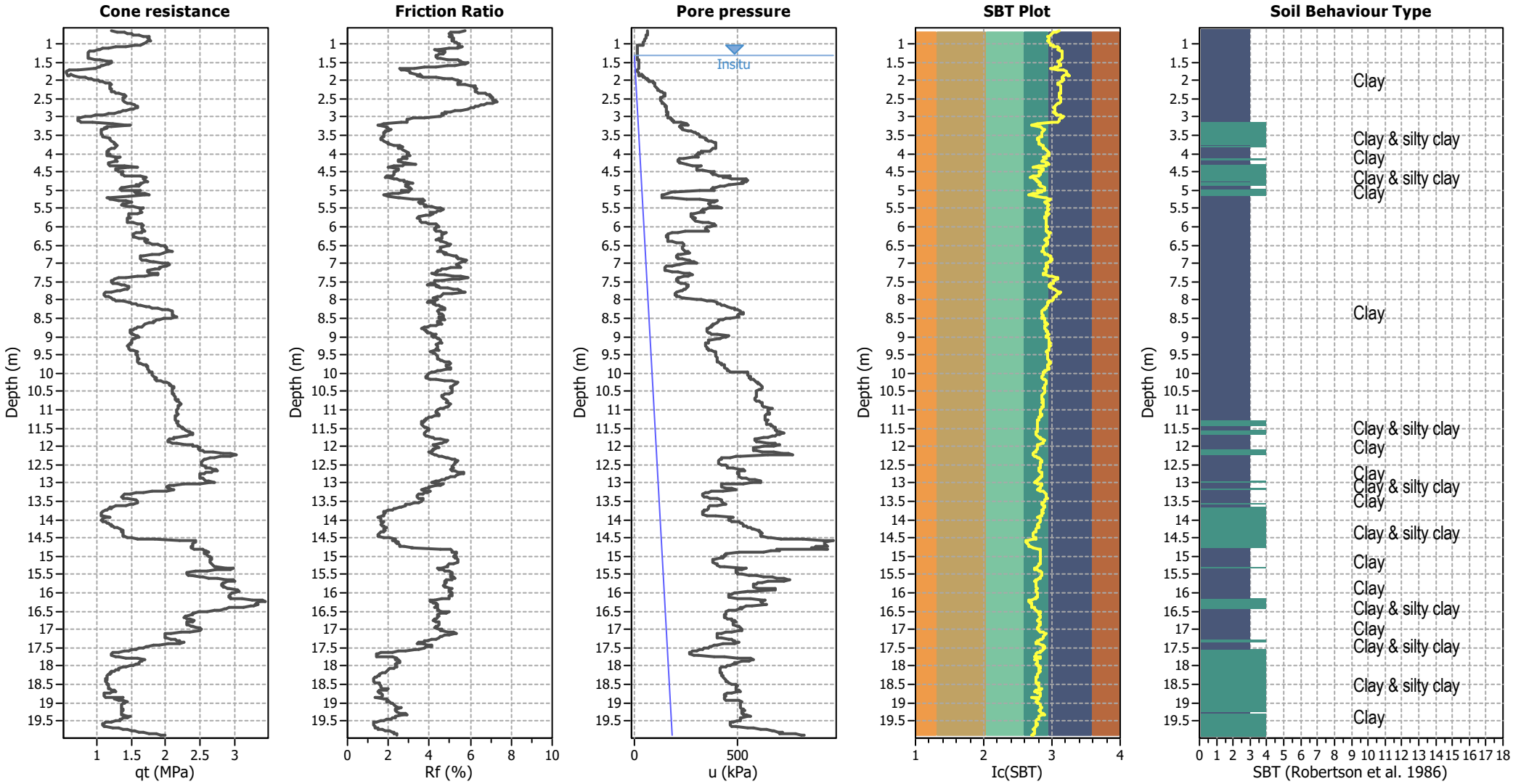






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



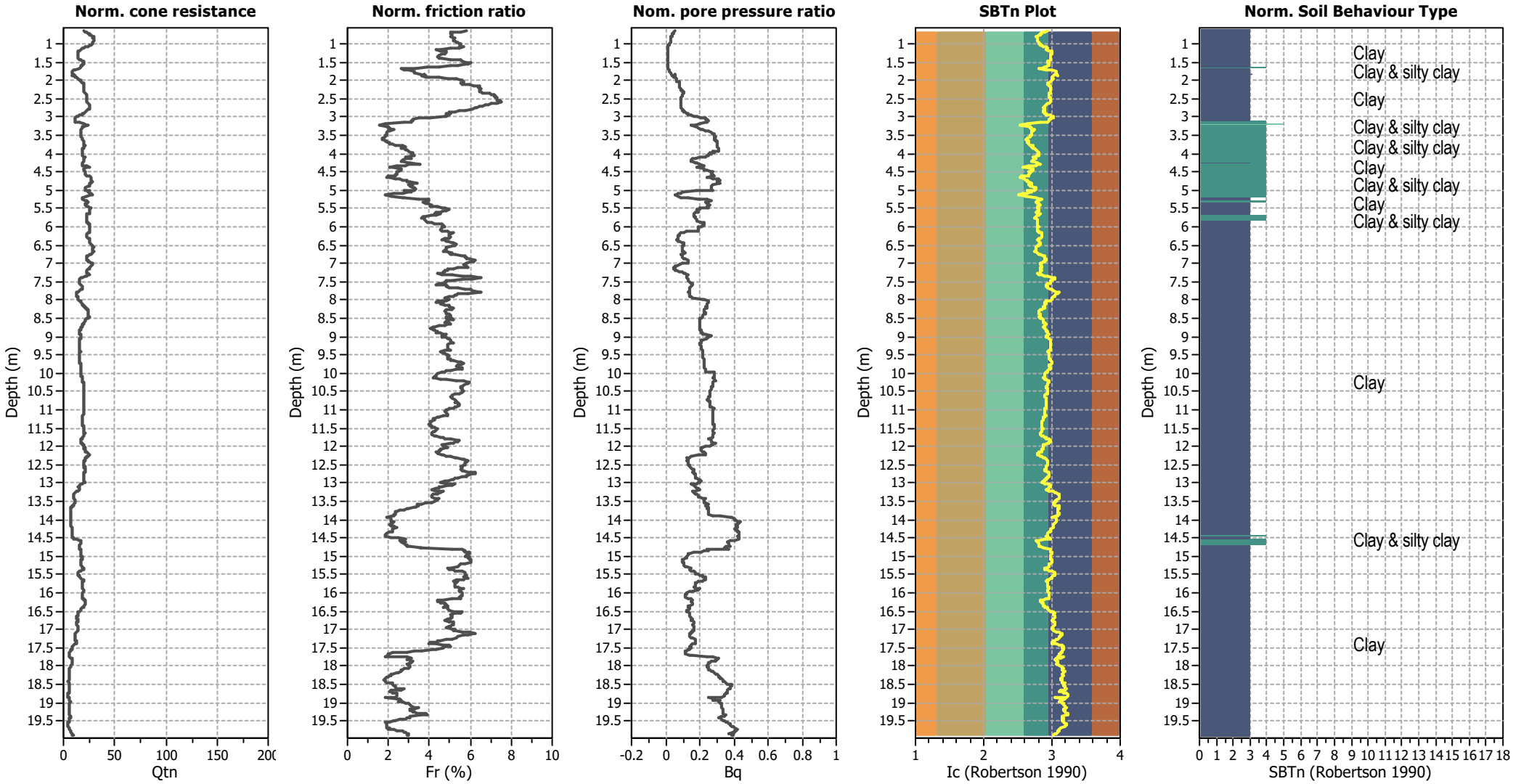
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



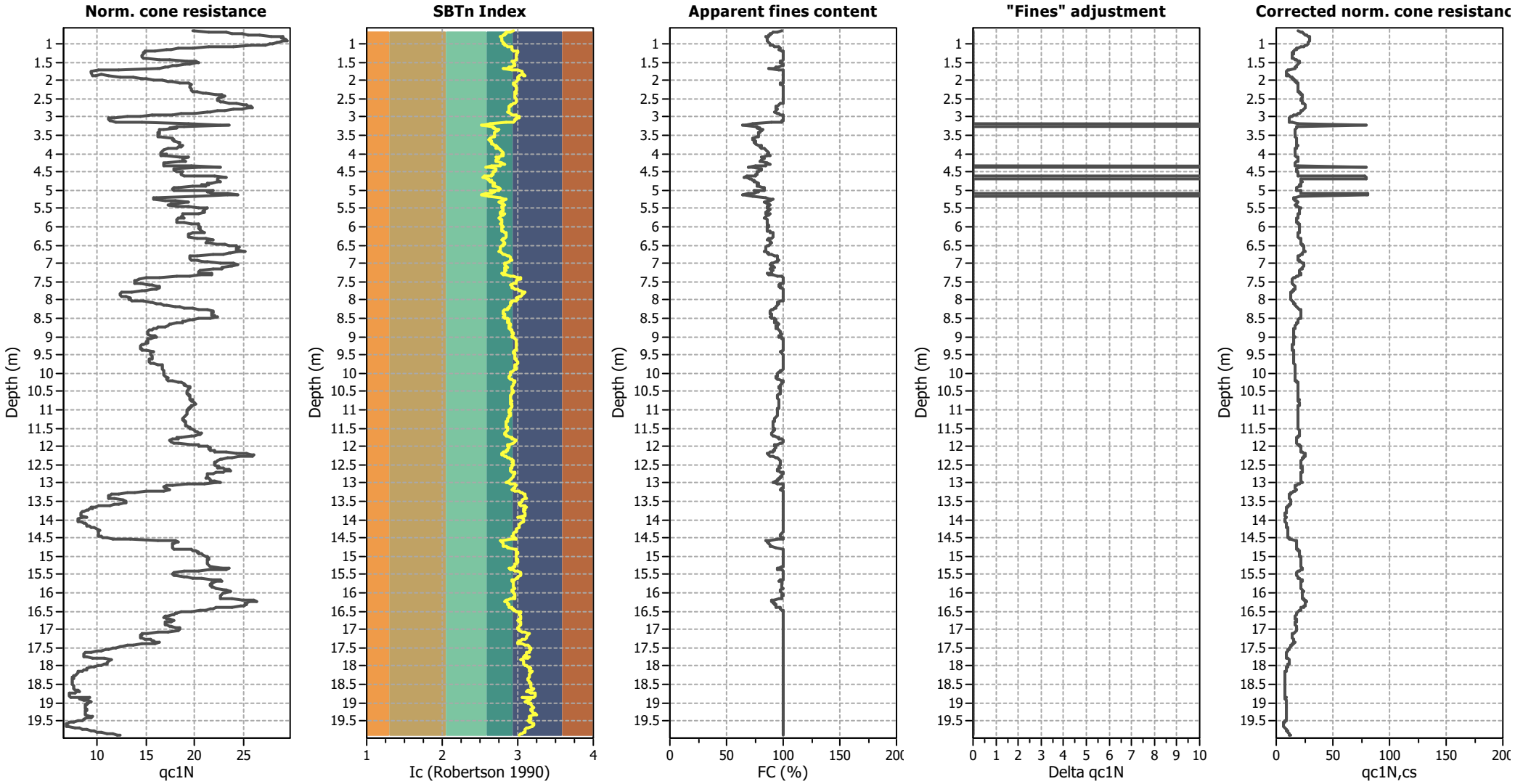
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

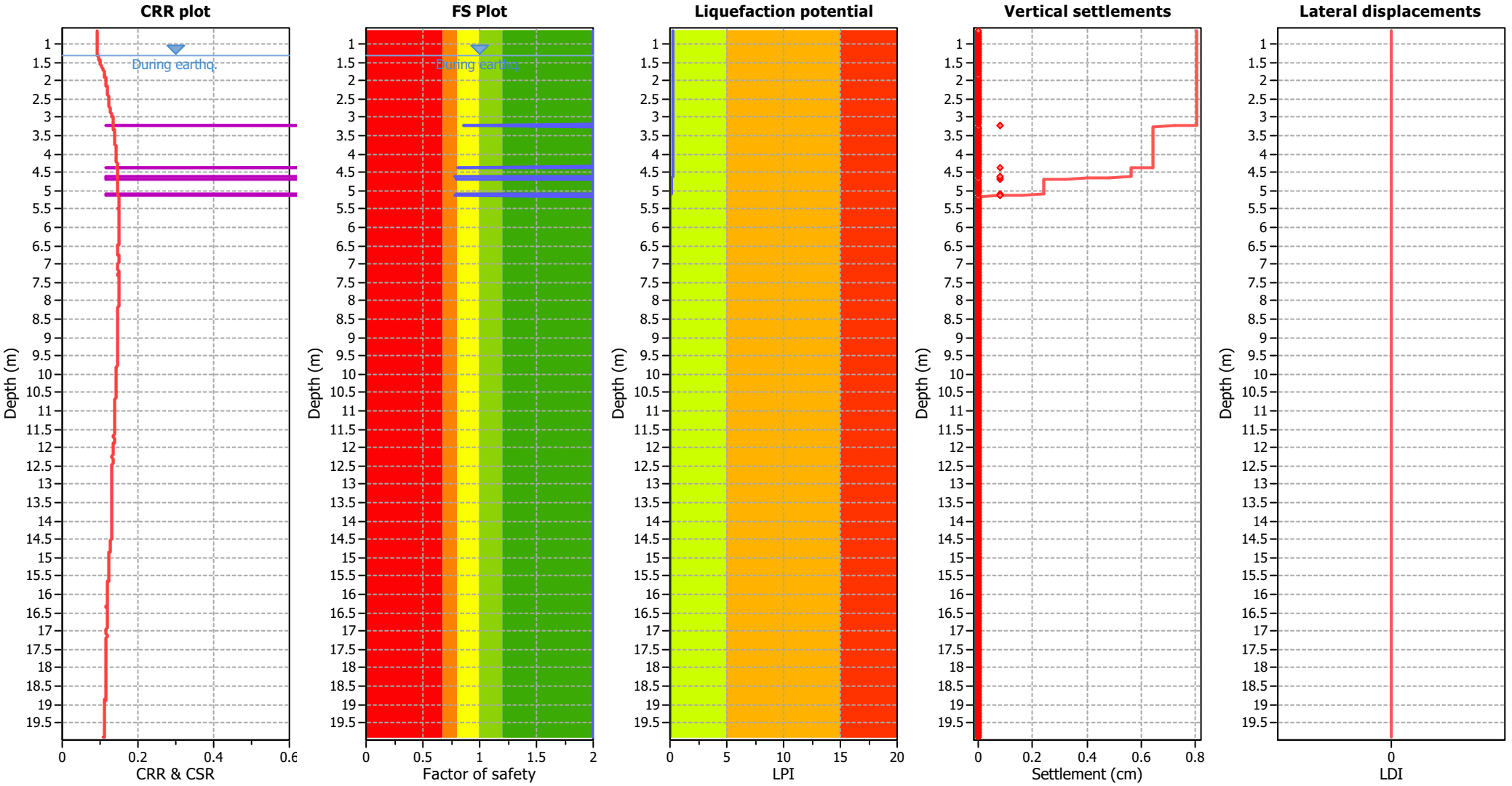
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

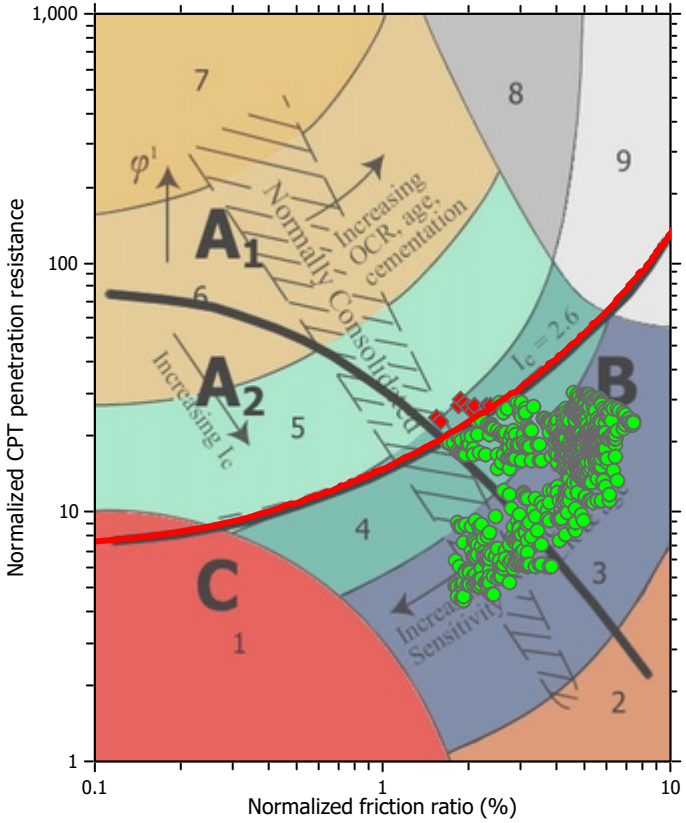
F.S. color scheme

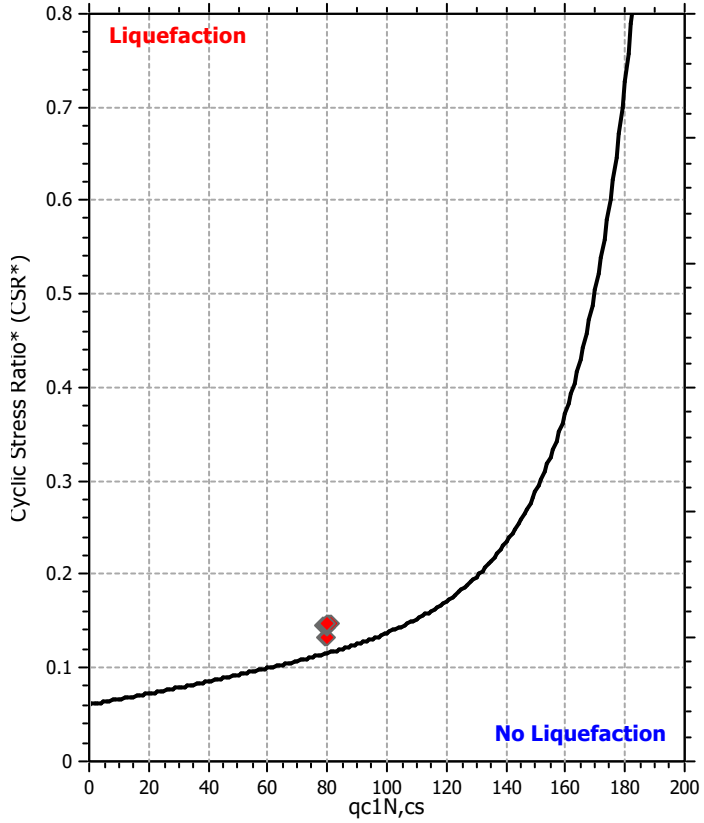
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

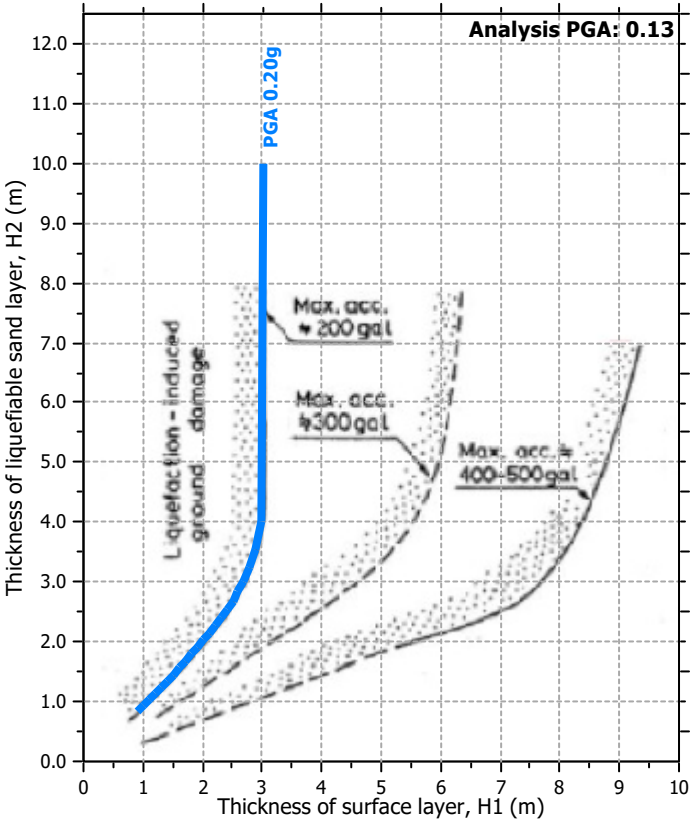
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



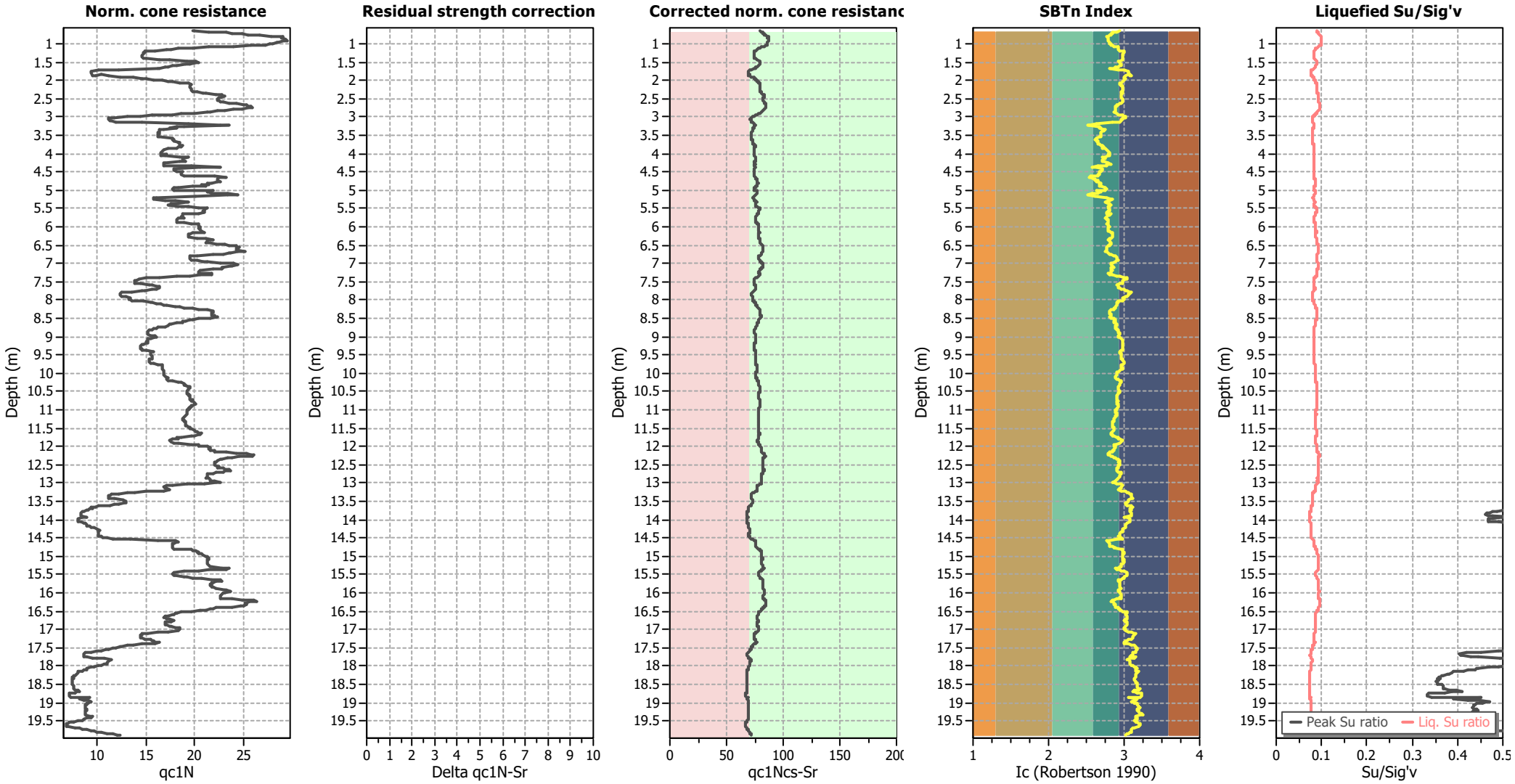




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.30 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	1.30 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.64	2.00	0.00	0.00	0.02	0.00	0.66	2.00	0.00	0.00	0.02	0.00
0.68	2.00	0.00	0.00	0.02	0.00	0.70	2.00	0.00	0.00	0.02	0.00
0.72	2.00	0.00	0.00	0.02	0.00	0.74	2.00	0.00	0.00	0.02	0.00
0.76	2.00	0.00	0.00	0.02	0.00	0.78	2.00	0.00	0.00	0.02	0.00
0.80	2.00	0.00	0.00	0.02	0.00	0.82	2.00	0.00	0.00	0.02	0.00
0.84	2.00	0.00	0.00	0.02	0.00	0.86	2.00	0.00	0.00	0.02	0.00
0.88	2.00	0.00	0.00	0.02	0.00	0.90	2.00	0.00	0.00	0.02	0.00
0.92	2.00	0.00	0.00	0.02	0.00	0.94	2.00	0.00	0.00	0.02	0.00
0.96	2.00	0.00	0.00	0.02	0.00	0.98	2.00	0.00	0.00	0.02	0.00
1.00	2.00	0.00	0.00	0.02	0.00	1.02	2.00	0.00	0.00	0.02	0.00
1.04	2.00	0.00	0.00	0.02	0.00	1.06	2.00	0.00	0.00	0.02	0.00
1.08	2.00	0.00	0.00	0.02	0.00	1.10	2.00	0.00	0.00	0.02	0.00
1.12	2.00	0.00	0.00	0.02	0.00	1.14	2.00	0.00	0.00	0.02	0.00
1.16	2.00	0.00	0.00	0.02	0.00	1.18	2.00	0.00	0.00	0.02	0.00
1.20	2.00	0.00	0.00	0.02	0.00	1.22	2.00	0.00	0.00	0.02	0.00
1.24	2.00	0.00	0.00	0.02	0.00	1.26	2.00	0.00	0.00	0.02	0.00
1.28	2.00	0.00	0.00	0.02	0.00	1.30	2.00	0.00	0.00	0.02	0.00
1.32	2.00	0.00	0.00	0.02	0.00	1.34	2.00	0.00	0.00	0.02	0.00
1.36	2.00	0.00	0.00	0.02	0.00	1.38	2.00	0.00	0.00	0.02	0.00
1.40	2.00	0.00	0.00	0.02	0.00	1.42	2.00	0.00	0.00	0.02	0.00
1.44	2.00	0.00	0.00	0.02	0.00	1.46	2.00	0.00	0.00	0.02	0.00
1.48	2.00	0.00	0.00	0.02	0.00	1.50	2.00	0.00	0.00	0.02	0.00
1.52	2.00	0.00	0.00	0.02	0.00	1.54	2.00	0.00	0.00	0.02	0.00
1.56	2.00	0.00	0.00	0.02	0.00	1.58	2.00	0.00	0.00	0.02	0.00
1.60	2.00	0.00	0.00	0.02	0.00	1.62	2.00	0.00	0.00	0.02	0.00
1.64	2.00	0.00	0.00	0.02	0.00	1.66	2.00	0.00	0.00	0.02	0.00
1.68	2.00	0.00	0.00	0.02	0.00	1.70	2.00	0.00	0.00	0.02	0.00
1.72	2.00	0.00	0.00	0.02	0.00	1.74	2.00	0.00	0.00	0.02	0.00
1.76	2.00	0.00	0.00	0.02	0.00	1.78	2.00	0.00	0.00	0.02	0.00
1.80	2.00	0.00	0.00	0.02	0.00	1.87	2.00	0.00	0.00	0.07	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.05	0.00
1.88	2.00	0.00	0.00	0.06	0.00	1.90	2.00	0.00	0.00	0.02	0.00
1.92	2.00	0.00	0.00	0.02	0.00	1.94	2.00	0.00	0.00	0.02	0.00
1.96	2.00	0.00	0.00	0.02	0.00	1.98	2.00	0.00	0.00	0.02	0.00
2.00	2.00	0.00	0.00	0.02	0.00	2.02	2.00	0.00	0.00	0.02	0.00
2.04	2.00	0.00	0.00	0.02	0.00	2.06	2.00	0.00	0.00	0.02	0.00
2.08	2.00	0.00	0.00	0.02	0.00	2.10	2.00	0.00	0.00	0.02	0.00
2.12	2.00	0.00	0.00	0.02	0.00	2.14	2.00	0.00	0.00	0.02	0.00
2.16	2.00	0.00	0.00	0.02	0.00	2.18	2.00	0.00	0.00	0.02	0.00
2.20	2.00	0.00	0.00	0.02	0.00	2.22	2.00	0.00	0.00	0.02	0.00
2.24	2.00	0.00	0.00	0.02	0.00	2.26	2.00	0.00	0.00	0.02	0.00
2.28	2.00	0.00	0.00	0.02	0.00	2.30	2.00	0.00	0.00	0.02	0.00
2.32	2.00	0.00	0.00	0.02	0.00	2.34	2.00	0.00	0.00	0.02	0.00
2.36	2.00	0.00	0.00	0.02	0.00	2.38	2.00	0.00	0.00	0.02	0.00
2.40	2.00	0.00	0.00	0.02	0.00	2.42	2.00	0.00	0.00	0.02	0.00
2.44	2.00	0.00	0.00	0.02	0.00	2.46	2.00	0.00	0.00	0.02	0.00
2.48	2.00	0.00	0.00	0.02	0.00	2.50	2.00	0.00	0.00	0.02	0.00
2.52	2.00	0.00	0.00	0.02	0.00	2.54	2.00	0.00	0.00	0.02	0.00
2.56	2.00	0.00	0.00	0.02	0.00	2.58	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.60	2.00	0.00	0.00	0.02	0.00	2.62	2.00	0.00	0.00	0.02	0.00
2.64	2.00	0.00	0.00	0.02	0.00	2.66	2.00	0.00	0.00	0.02	0.00
2.68	2.00	0.00	0.00	0.02	0.00	2.70	2.00	0.00	0.00	0.02	0.00
2.72	2.00	0.00	0.00	0.02	0.00	2.74	2.00	0.00	0.00	0.02	0.00
2.76	2.00	0.00	0.00	0.02	0.00	2.78	2.00	0.00	0.00	0.02	0.00
2.80	2.00	0.00	0.00	0.02	0.00	2.82	2.00	0.00	0.00	0.02	0.00
2.84	2.00	0.00	0.00	0.02	0.00	2.86	2.00	0.00	0.00	0.02	0.00
2.88	2.00	0.00	0.00	0.02	0.00	2.90	2.00	0.00	0.00	0.02	0.00
2.92	2.00	0.00	0.00	0.02	0.00	2.94	2.00	0.00	0.00	0.02	0.00
2.96	2.00	0.00	0.00	0.02	0.00	2.98	2.00	0.00	0.00	0.02	0.00
3.00	2.00	0.00	0.00	0.02	0.00	3.02	2.00	0.00	0.00	0.02	0.00
3.04	2.00	0.00	0.00	0.02	0.00	3.06	2.00	0.00	0.00	0.02	0.00
3.08	2.00	0.00	0.00	0.02	0.00	3.10	2.00	0.00	0.00	0.02	0.00
3.12	2.00	0.00	0.00	0.02	0.00	3.14	2.00	0.00	0.00	0.02	0.00
3.16	2.00	0.00	0.00	0.02	0.00	3.18	2.00	0.00	0.00	0.02	0.00
3.20	0.86	0.14	3.13	0.02	0.02	3.22	0.87	0.13	3.40	0.02	0.02
3.24	2.00	0.00	0.00	0.02	0.00	3.26	2.00	0.00	0.00	0.02	0.00
3.28	2.00	0.00	0.00	0.02	0.00	3.30	2.00	0.00	0.00	0.02	0.00
3.32	2.00	0.00	0.00	0.02	0.00	3.34	2.00	0.00	0.00	0.02	0.00
3.36	2.00	0.00	0.00	0.02	0.00	3.38	2.00	0.00	0.00	0.02	0.00
3.40	2.00	0.00	0.00	0.02	0.00	3.42	2.00	0.00	0.00	0.02	0.00
3.44	2.00	0.00	0.00	0.02	0.00	3.46	2.00	0.00	0.00	0.02	0.00
3.48	2.00	0.00	0.00	0.02	0.00	3.50	2.00	0.00	0.00	0.02	0.00
3.52	2.00	0.00	0.00	0.02	0.00	3.54	2.00	0.00	0.00	0.02	0.00
3.56	2.00	0.00	0.00	0.02	0.00	3.59	2.00	0.00	0.00	0.03	0.00
3.60	2.00	0.00	0.00	0.01	0.00	3.62	2.00	0.00	0.00	0.02	0.00
3.64	2.00	0.00	0.00	0.02	0.00	3.66	2.00	0.00	0.00	0.02	0.00
3.68	2.00	0.00	0.00	0.02	0.00	3.70	2.00	0.00	0.00	0.02	0.00
3.72	2.00	0.00	0.00	0.02	0.00	3.74	2.00	0.00	0.00	0.02	0.00
3.76	2.00	0.00	0.00	0.02	0.00	3.78	2.00	0.00	0.00	0.02	0.00
3.80	2.00	0.00	0.00	0.02	0.00	3.82	2.00	0.00	0.00	0.02	0.00
3.84	2.00	0.00	0.00	0.02	0.00	3.86	2.00	0.00	0.00	0.02	0.00
3.88	2.00	0.00	0.00	0.02	0.00	3.90	2.00	0.00	0.00	0.02	0.00
3.92	2.00	0.00	0.00	0.02	0.00	3.94	2.00	0.00	0.00	0.02	0.00
3.96	2.00	0.00	0.00	0.02	0.00	3.98	2.00	0.00	0.00	0.02	0.00
4.00	2.00	0.00	0.00	0.02	0.00	4.02	2.00	0.00	0.00	0.02	0.00
4.04	2.00	0.00	0.00	0.02	0.00	4.06	2.00	0.00	0.00	0.02	0.00
4.08	2.00	0.00	0.00	0.02	0.00	4.10	2.00	0.00	0.00	0.02	0.00
4.12	2.00	0.00	0.00	0.02	0.00	4.14	2.00	0.00	0.00	0.02	0.00
4.16	2.00	0.00	0.00	0.02	0.00	4.18	2.00	0.00	0.00	0.02	0.00
4.20	2.00	0.00	0.00	0.02	0.00	4.22	2.00	0.00	0.00	0.02	0.00
4.24	2.00	0.00	0.00	0.02	0.00	4.26	2.00	0.00	0.00	0.02	0.00
4.28	2.00	0.00	0.00	0.02	0.00	4.30	2.00	0.00	0.00	0.02	0.00
4.32	2.00	0.00	0.00	0.02	0.00	4.34	2.00	0.00	0.00	0.02	0.00
4.36	0.80	0.20	1.70	0.02	0.03	4.38	2.00	0.00	0.00	0.02	0.00
4.40	2.00	0.00	0.00	0.02	0.00	4.42	2.00	0.00	0.00	0.02	0.00
4.44	2.00	0.00	0.00	0.02	0.00	4.46	2.00	0.00	0.00	0.02	0.00
4.48	2.00	0.00	0.00	0.02	0.00	4.50	2.00	0.00	0.00	0.02	0.00
4.52	2.00	0.00	0.00	0.02	0.00	4.54	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.56	2.00	0.00	0.00	0.02	0.00	4.58	2.00	0.00	0.00	0.02	0.00
4.60	2.00	0.00	0.00	0.02	0.00	4.62	0.79	0.21	1.51	0.02	0.03
4.64	0.80	0.20	1.60	0.02	0.03	4.66	0.79	0.21	1.56	0.02	0.03
4.68	0.79	0.21	1.58	0.02	0.03	4.70	2.00	0.00	0.00	0.02	0.00
4.72	2.00	0.00	0.00	0.02	0.00	4.74	2.00	0.00	0.00	0.02	0.00
4.76	2.00	0.00	0.00	0.02	0.00	4.78	2.00	0.00	0.00	0.02	0.00
4.80	2.00	0.00	0.00	0.02	0.00	4.82	2.00	0.00	0.00	0.02	0.00
4.84	2.00	0.00	0.00	0.02	0.00	4.86	2.00	0.00	0.00	0.02	0.00
4.88	2.00	0.00	0.00	0.02	0.00	4.90	2.00	0.00	0.00	0.02	0.00
4.92	2.00	0.00	0.00	0.02	0.00	4.94	2.00	0.00	0.00	0.02	0.00
4.96	2.00	0.00	0.00	0.02	0.00	4.98	2.00	0.00	0.00	0.02	0.00
5.00	2.00	0.00	0.00	0.02	0.00	5.02	2.00	0.00	0.00	0.02	0.00
5.04	2.00	0.00	0.00	0.02	0.00	5.06	2.00	0.00	0.00	0.02	0.00
5.08	2.00	0.00	0.00	0.02	0.00	5.10	0.79	0.21	1.58	0.02	0.03
5.12	0.80	0.20	1.60	0.02	0.03	5.14	0.79	0.21	1.50	0.02	0.03
5.16	2.00	0.00	0.00	0.02	0.00	5.19	2.00	0.00	0.00	0.03	0.00
5.20	2.00	0.00	0.00	0.01	0.00	5.22	2.00	0.00	0.00	0.02	0.00
5.24	2.00	0.00	0.00	0.02	0.00	5.26	2.00	0.00	0.00	0.02	0.00
5.28	2.00	0.00	0.00	0.02	0.00	5.30	2.00	0.00	0.00	0.02	0.00
5.32	2.00	0.00	0.00	0.02	0.00	5.34	2.00	0.00	0.00	0.02	0.00
5.36	2.00	0.00	0.00	0.02	0.00	5.38	2.00	0.00	0.00	0.02	0.00
5.40	2.00	0.00	0.00	0.02	0.00	5.42	2.00	0.00	0.00	0.02	0.00
5.44	2.00	0.00	0.00	0.02	0.00	5.46	2.00	0.00	0.00	0.02	0.00
5.48	2.00	0.00	0.00	0.02	0.00	5.50	2.00	0.00	0.00	0.02	0.00
5.52	2.00	0.00	0.00	0.02	0.00	5.54	2.00	0.00	0.00	0.02	0.00
5.56	2.00	0.00	0.00	0.02	0.00	5.58	2.00	0.00	0.00	0.02	0.00
5.60	2.00	0.00	0.00	0.02	0.00	5.62	2.00	0.00	0.00	0.02	0.00
5.64	2.00	0.00	0.00	0.02	0.00	5.66	2.00	0.00	0.00	0.02	0.00
5.68	2.00	0.00	0.00	0.02	0.00	5.70	2.00	0.00	0.00	0.02	0.00
5.72	2.00	0.00	0.00	0.02	0.00	5.74	2.00	0.00	0.00	0.02	0.00
5.76	2.00	0.00	0.00	0.02	0.00	5.78	2.00	0.00	0.00	0.02	0.00
5.80	2.00	0.00	0.00	0.02	0.00	5.82	2.00	0.00	0.00	0.02	0.00
5.84	2.00	0.00	0.00	0.02	0.00	5.86	2.00	0.00	0.00	0.02	0.00
5.88	2.00	0.00	0.00	0.02	0.00	5.90	2.00	0.00	0.00	0.02	0.00
5.92	2.00	0.00	0.00	0.02	0.00	5.94	2.00	0.00	0.00	0.02	0.00
5.96	2.00	0.00	0.00	0.02	0.00	5.98	2.00	0.00	0.00	0.02	0.00
6.00	2.00	0.00	0.00	0.02	0.00	6.02	2.00	0.00	0.00	0.02	0.00
6.04	2.00	0.00	0.00	0.02	0.00	6.06	2.00	0.00	0.00	0.02	0.00
6.08	2.00	0.00	0.00	0.02	0.00	6.10	2.00	0.00	0.00	0.02	0.00
6.12	2.00	0.00	0.00	0.02	0.00	6.14	2.00	0.00	0.00	0.02	0.00
6.16	2.00	0.00	0.00	0.02	0.00	6.18	2.00	0.00	0.00	0.02	0.00
6.20	2.00	0.00	0.00	0.02	0.00	6.22	2.00	0.00	0.00	0.02	0.00
6.24	2.00	0.00	0.00	0.02	0.00	6.26	2.00	0.00	0.00	0.02	0.00
6.28	2.00	0.00	0.00	0.02	0.00	6.30	2.00	0.00	0.00	0.02	0.00
6.32	2.00	0.00	0.00	0.02	0.00	6.34	2.00	0.00	0.00	0.02	0.00
6.36	2.00	0.00	0.00	0.02	0.00	6.38	2.00	0.00	0.00	0.02	0.00
6.40	2.00	0.00	0.00	0.02	0.00	6.42	2.00	0.00	0.00	0.02	0.00
6.44	2.00	0.00	0.00	0.02	0.00	6.46	2.00	0.00	0.00	0.02	0.00
6.48	2.00	0.00	0.00	0.02	0.00	6.50	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.52	2.00	0.00	0.00	0.02	0.00	6.54	2.00	0.00	0.00	0.02	0.00
6.56	2.00	0.00	0.00	0.02	0.00	6.58	2.00	0.00	0.00	0.02	0.00
6.60	2.00	0.00	0.00	0.02	0.00	6.62	2.00	0.00	0.00	0.02	0.00
6.64	2.00	0.00	0.00	0.02	0.00	6.66	2.00	0.00	0.00	0.02	0.00
6.68	2.00	0.00	0.00	0.02	0.00	6.70	2.00	0.00	0.00	0.02	0.00
6.72	2.00	0.00	0.00	0.02	0.00	6.74	2.00	0.00	0.00	0.02	0.00
6.76	2.00	0.00	0.00	0.02	0.00	6.78	2.00	0.00	0.00	0.02	0.00
6.80	2.00	0.00	0.00	0.02	0.00	6.82	2.00	0.00	0.00	0.02	0.00
6.84	2.00	0.00	0.00	0.02	0.00	6.86	2.00	0.00	0.00	0.02	0.00
6.88	2.00	0.00	0.00	0.02	0.00	6.90	2.00	0.00	0.00	0.02	0.00
6.92	2.00	0.00	0.00	0.02	0.00	6.94	2.00	0.00	0.00	0.02	0.00
6.96	2.00	0.00	0.00	0.02	0.00	6.98	2.00	0.00	0.00	0.02	0.00
7.00	2.00	0.00	0.00	0.02	0.00	7.02	2.00	0.00	0.00	0.02	0.00
7.04	2.00	0.00	0.00	0.02	0.00	7.06	2.00	0.00	0.00	0.02	0.00
7.08	2.00	0.00	0.00	0.02	0.00	7.10	2.00	0.00	0.00	0.02	0.00
7.12	2.00	0.00	0.00	0.02	0.00	7.14	2.00	0.00	0.00	0.02	0.00
7.16	2.00	0.00	0.00	0.02	0.00	7.18	2.00	0.00	0.00	0.02	0.00
7.20	2.00	0.00	0.00	0.02	0.00	7.22	2.00	0.00	0.00	0.02	0.00
7.24	2.00	0.00	0.00	0.02	0.00	7.26	2.00	0.00	0.00	0.02	0.00
7.28	2.00	0.00	0.00	0.02	0.00	7.30	2.00	0.00	0.00	0.02	0.00
7.32	2.00	0.00	0.00	0.02	0.00	7.34	2.00	0.00	0.00	0.02	0.00
7.36	2.00	0.00	0.00	0.02	0.00	7.38	2.00	0.00	0.00	0.02	0.00
7.40	2.00	0.00	0.00	0.02	0.00	7.42	2.00	0.00	0.00	0.02	0.00
7.44	2.00	0.00	0.00	0.02	0.00	7.46	2.00	0.00	0.00	0.02	0.00
7.48	2.00	0.00	0.00	0.02	0.00	7.50	2.00	0.00	0.00	0.02	0.00
7.52	2.00	0.00	0.00	0.02	0.00	7.54	2.00	0.00	0.00	0.02	0.00
7.56	2.00	0.00	0.00	0.02	0.00	7.58	2.00	0.00	0.00	0.02	0.00
7.60	2.00	0.00	0.00	0.02	0.00	7.62	2.00	0.00	0.00	0.02	0.00
7.64	2.00	0.00	0.00	0.02	0.00	7.66	2.00	0.00	0.00	0.02	0.00
7.68	2.00	0.00	0.00	0.02	0.00	7.70	2.00	0.00	0.00	0.02	0.00
7.72	2.00	0.00	0.00	0.02	0.00	7.74	2.00	0.00	0.00	0.02	0.00
7.76	2.00	0.00	0.00	0.02	0.00	7.78	2.00	0.00	0.00	0.02	0.00
7.80	2.00	0.00	0.00	0.02	0.00	7.82	2.00	0.00	0.00	0.02	0.00
7.84	2.00	0.00	0.00	0.02	0.00	7.86	2.00	0.00	0.00	0.02	0.00
7.88	2.00	0.00	0.00	0.02	0.00	7.90	2.00	0.00	0.00	0.02	0.00
7.92	2.00	0.00	0.00	0.02	0.00	7.94	2.00	0.00	0.00	0.02	0.00
7.96	2.00	0.00	0.00	0.02	0.00	7.98	2.00	0.00	0.00	0.02	0.00
8.00	2.00	0.00	0.00	0.02	0.00	8.02	2.00	0.00	0.00	0.02	0.00
8.04	2.00	0.00	0.00	0.02	0.00	8.06	2.00	0.00	0.00	0.02	0.00
8.08	2.00	0.00	0.00	0.02	0.00	8.10	2.00	0.00	0.00	0.02	0.00
8.12	2.00	0.00	0.00	0.02	0.00	8.13	2.00	0.00	0.00	0.02	0.00
8.15	2.00	0.00	0.00	0.02	0.00	8.17	2.00	0.00	0.00	0.02	0.00
8.19	2.00	0.00	0.00	0.02	0.00	8.21	2.00	0.00	0.00	0.02	0.00
8.23	2.00	0.00	0.00	0.02	0.00	8.25	2.00	0.00	0.00	0.02	0.00
8.27	2.00	0.00	0.00	0.02	0.00	8.29	2.00	0.00	0.00	0.02	0.00
8.31	2.00	0.00	0.00	0.02	0.00	8.33	2.00	0.00	0.00	0.02	0.00
8.35	2.00	0.00	0.00	0.02	0.00	8.37	2.00	0.00	0.00	0.02	0.00
8.39	2.00	0.00	0.00	0.02	0.00	8.41	2.00	0.00	0.00	0.02	0.00
8.43	2.00	0.00	0.00	0.02	0.00	8.45	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.47	2.00	0.00	0.00	0.02	0.00	8.49	2.00	0.00	0.00	0.02	0.00
8.51	2.00	0.00	0.00	0.02	0.00	8.53	2.00	0.00	0.00	0.02	0.00
8.55	2.00	0.00	0.00	0.02	0.00	8.57	2.00	0.00	0.00	0.02	0.00
8.59	2.00	0.00	0.00	0.02	0.00	8.61	2.00	0.00	0.00	0.02	0.00
8.63	2.00	0.00	0.00	0.02	0.00	8.65	2.00	0.00	0.00	0.02	0.00
8.67	2.00	0.00	0.00	0.02	0.00	8.69	2.00	0.00	0.00	0.02	0.00
8.71	2.00	0.00	0.00	0.02	0.00	8.73	2.00	0.00	0.00	0.02	0.00
8.75	2.00	0.00	0.00	0.02	0.00	8.77	2.00	0.00	0.00	0.02	0.00
8.79	2.00	0.00	0.00	0.02	0.00	8.81	2.00	0.00	0.00	0.02	0.00
8.83	2.00	0.00	0.00	0.02	0.00	8.85	2.00	0.00	0.00	0.02	0.00
8.87	2.00	0.00	0.00	0.02	0.00	8.89	2.00	0.00	0.00	0.02	0.00
8.91	2.00	0.00	0.00	0.02	0.00	8.93	2.00	0.00	0.00	0.02	0.00
8.95	2.00	0.00	0.00	0.02	0.00	8.97	2.00	0.00	0.00	0.02	0.00
8.99	2.00	0.00	0.00	0.02	0.00	9.01	2.00	0.00	0.00	0.02	0.00
9.03	2.00	0.00	0.00	0.02	0.00	9.05	2.00	0.00	0.00	0.02	0.00
9.07	2.00	0.00	0.00	0.02	0.00	9.09	2.00	0.00	0.00	0.02	0.00
9.11	2.00	0.00	0.00	0.02	0.00	9.13	2.00	0.00	0.00	0.02	0.00
9.15	2.00	0.00	0.00	0.02	0.00	9.17	2.00	0.00	0.00	0.02	0.00
9.19	2.00	0.00	0.00	0.02	0.00	9.21	2.00	0.00	0.00	0.02	0.00
9.23	2.00	0.00	0.00	0.02	0.00	9.25	2.00	0.00	0.00	0.02	0.00
9.27	2.00	0.00	0.00	0.02	0.00	9.29	2.00	0.00	0.00	0.02	0.00
9.31	2.00	0.00	0.00	0.02	0.00	9.33	2.00	0.00	0.00	0.02	0.00
9.35	2.00	0.00	0.00	0.02	0.00	9.37	2.00	0.00	0.00	0.02	0.00
9.39	2.00	0.00	0.00	0.02	0.00	9.41	2.00	0.00	0.00	0.02	0.00
9.43	2.00	0.00	0.00	0.02	0.00	9.45	2.00	0.00	0.00	0.02	0.00
9.47	2.00	0.00	0.00	0.02	0.00	9.49	2.00	0.00	0.00	0.02	0.00
9.51	2.00	0.00	0.00	0.02	0.00	9.53	2.00	0.00	0.00	0.02	0.00
9.55	2.00	0.00	0.00	0.02	0.00	9.57	2.00	0.00	0.00	0.02	0.00
9.59	2.00	0.00	0.00	0.02	0.00	9.61	2.00	0.00	0.00	0.02	0.00
9.63	2.00	0.00	0.00	0.02	0.00	9.65	2.00	0.00	0.00	0.02	0.00
9.67	2.00	0.00	0.00	0.02	0.00	9.69	2.00	0.00	0.00	0.02	0.00
9.71	2.00	0.00	0.00	0.02	0.00	9.73	2.00	0.00	0.00	0.02	0.00
9.75	2.00	0.00	0.00	0.02	0.00	9.77	2.00	0.00	0.00	0.02	0.00
9.79	2.00	0.00	0.00	0.02	0.00	9.81	2.00	0.00	0.00	0.02	0.00
9.83	2.00	0.00	0.00	0.02	0.00	9.85	2.00	0.00	0.00	0.02	0.00
9.87	2.00	0.00	0.00	0.02	0.00	9.89	2.00	0.00	0.00	0.02	0.00
9.91	2.00	0.00	0.00	0.02	0.00	9.93	2.00	0.00	0.00	0.02	0.00
9.95	2.00	0.00	0.00	0.02	0.00	9.97	2.00	0.00	0.00	0.02	0.00
9.99	2.00	0.00	0.00	0.02	0.00	10.01	2.00	0.00	0.00	0.02	0.00
10.03	2.00	0.00	0.00	0.02	0.00	10.05	2.00	0.00	0.00	0.02	0.00
10.07	2.00	0.00	0.00	0.02	0.00	10.09	2.00	0.00	0.00	0.02	0.00
10.11	2.00	0.00	0.00	0.02	0.00	10.13	2.00	0.00	0.00	0.02	0.00
10.15	2.00	0.00	0.00	0.02	0.00	10.17	2.00	0.00	0.00	0.02	0.00
10.19	2.00	0.00	0.00	0.02	0.00	10.21	2.00	0.00	0.00	0.02	0.00
10.23	2.00	0.00	0.00	0.02	0.00	10.25	2.00	0.00	0.00	0.02	0.00
10.27	2.00	0.00	0.00	0.02	0.00	10.29	2.00	0.00	0.00	0.02	0.00
10.31	2.00	0.00	0.00	0.02	0.00	10.33	2.00	0.00	0.00	0.02	0.00
10.35	2.00	0.00	0.00	0.02	0.00	10.37	2.00	0.00	0.00	0.02	0.00
10.39	2.00	0.00	0.00	0.02	0.00	10.41	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.43	2.00	0.00	0.00	0.02	0.00	10.45	2.00	0.00	0.00	0.02	0.00
10.47	2.00	0.00	0.00	0.02	0.00	10.49	2.00	0.00	0.00	0.02	0.00
10.51	2.00	0.00	0.00	0.02	0.00	10.53	2.00	0.00	0.00	0.02	0.00
10.55	2.00	0.00	0.00	0.02	0.00	10.57	2.00	0.00	0.00	0.02	0.00
10.59	2.00	0.00	0.00	0.02	0.00	10.61	2.00	0.00	0.00	0.02	0.00
10.63	2.00	0.00	0.00	0.02	0.00	10.65	2.00	0.00	0.00	0.02	0.00
10.67	2.00	0.00	0.00	0.02	0.00	10.69	2.00	0.00	0.00	0.02	0.00
10.71	2.00	0.00	0.00	0.02	0.00	10.73	2.00	0.00	0.00	0.02	0.00
10.75	2.00	0.00	0.00	0.02	0.00	10.77	2.00	0.00	0.00	0.02	0.00
10.79	2.00	0.00	0.00	0.02	0.00	10.81	2.00	0.00	0.00	0.02	0.00
10.83	2.00	0.00	0.00	0.02	0.00	10.85	2.00	0.00	0.00	0.02	0.00
10.87	2.00	0.00	0.00	0.02	0.00	10.89	2.00	0.00	0.00	0.02	0.00
10.90	2.00	0.00	0.00	0.02	0.00	10.92	2.00	0.00	0.00	0.02	0.00
10.94	2.00	0.00	0.00	0.02	0.00	10.96	2.00	0.00	0.00	0.02	0.00
10.98	2.00	0.00	0.00	0.02	0.00	11.00	2.00	0.00	0.00	0.02	0.00
11.02	2.00	0.00	0.00	0.02	0.00	11.04	2.00	0.00	0.00	0.02	0.00
11.06	2.00	0.00	0.00	0.02	0.00	11.08	2.00	0.00	0.00	0.02	0.00
11.10	2.00	0.00	0.00	0.02	0.00	11.12	2.00	0.00	0.00	0.02	0.00
11.14	2.00	0.00	0.00	0.02	0.00	11.16	2.00	0.00	0.00	0.02	0.00
11.18	2.00	0.00	0.00	0.02	0.00	11.20	2.00	0.00	0.00	0.02	0.00
11.22	2.00	0.00	0.00	0.02	0.00	11.24	2.00	0.00	0.00	0.02	0.00
11.26	2.00	0.00	0.00	0.02	0.00	11.28	2.00	0.00	0.00	0.02	0.00
11.30	2.00	0.00	0.00	0.02	0.00	11.32	2.00	0.00	0.00	0.02	0.00
11.34	2.00	0.00	0.00	0.02	0.00	11.36	2.00	0.00	0.00	0.02	0.00
11.38	2.00	0.00	0.00	0.02	0.00	11.40	2.00	0.00	0.00	0.02	0.00
11.42	2.00	0.00	0.00	0.02	0.00	11.44	2.00	0.00	0.00	0.02	0.00
11.46	2.00	0.00	0.00	0.02	0.00	11.48	2.00	0.00	0.00	0.02	0.00
11.50	2.00	0.00	0.00	0.02	0.00	11.52	2.00	0.00	0.00	0.02	0.00
11.54	2.00	0.00	0.00	0.02	0.00	11.56	2.00	0.00	0.00	0.02	0.00
11.58	2.00	0.00	0.00	0.02	0.00	11.60	2.00	0.00	0.00	0.02	0.00
11.62	2.00	0.00	0.00	0.02	0.00	11.64	2.00	0.00	0.00	0.02	0.00
11.66	2.00	0.00	0.00	0.02	0.00	11.68	2.00	0.00	0.00	0.02	0.00
11.70	2.00	0.00	0.00	0.02	0.00	11.72	2.00	0.00	0.00	0.02	0.00
11.74	2.00	0.00	0.00	0.02	0.00	11.76	2.00	0.00	0.00	0.02	0.00
11.78	2.00	0.00	0.00	0.02	0.00	11.80	2.00	0.00	0.00	0.02	0.00
11.82	2.00	0.00	0.00	0.02	0.00	11.84	2.00	0.00	0.00	0.02	0.00
11.86	2.00	0.00	0.00	0.02	0.00	11.88	2.00	0.00	0.00	0.02	0.00
11.90	2.00	0.00	0.00	0.02	0.00	11.92	2.00	0.00	0.00	0.02	0.00
11.94	2.00	0.00	0.00	0.02	0.00	11.96	2.00	0.00	0.00	0.02	0.00
11.98	2.00	0.00	0.00	0.02	0.00	12.00	2.00	0.00	0.00	0.02	0.00
12.02	2.00	0.00	0.00	0.02	0.00	12.04	2.00	0.00	0.00	0.02	0.00
12.06	2.00	0.00	0.00	0.02	0.00	12.08	2.00	0.00	0.00	0.02	0.00
12.10	2.00	0.00	0.00	0.02	0.00	12.12	2.00	0.00	0.00	0.02	0.00
12.14	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.56	2.00	0.00	0.00	0.02	0.00
12.58	2.00	0.00	0.00	0.02	0.00	12.60	2.00	0.00	0.00	0.02	0.00
12.62	2.00	0.00	0.00	0.02	0.00	12.64	2.00	0.00	0.00	0.02	0.00
12.66	2.00	0.00	0.00	0.02	0.00	12.68	2.00	0.00	0.00	0.02	0.00
12.70	2.00	0.00	0.00	0.02	0.00	12.72	2.00	0.00	0.00	0.02	0.00
12.74	2.00	0.00	0.00	0.02	0.00	12.76	2.00	0.00	0.00	0.02	0.00
12.78	2.00	0.00	0.00	0.02	0.00	12.80	2.00	0.00	0.00	0.02	0.00
12.82	2.00	0.00	0.00	0.02	0.00	12.84	2.00	0.00	0.00	0.02	0.00
12.85	2.00	0.00	0.00	0.02	0.00	12.87	2.00	0.00	0.00	0.02	0.00
12.89	2.00	0.00	0.00	0.02	0.00	12.91	2.00	0.00	0.00	0.02	0.00
12.93	2.00	0.00	0.00	0.02	0.00	12.95	2.00	0.00	0.00	0.02	0.00
12.97	2.00	0.00	0.00	0.02	0.00	12.99	2.00	0.00	0.00	0.02	0.00
13.01	2.00	0.00	0.00	0.02	0.00	13.03	2.00	0.00	0.00	0.02	0.00
13.05	2.00	0.00	0.00	0.02	0.00	13.07	2.00	0.00	0.00	0.02	0.00
13.09	2.00	0.00	0.00	0.02	0.00	13.11	2.00	0.00	0.00	0.02	0.00
13.13	2.00	0.00	0.00	0.02	0.00	13.15	2.00	0.00	0.00	0.02	0.00
13.17	2.00	0.00	0.00	0.02	0.00	13.19	2.00	0.00	0.00	0.02	0.00
13.21	2.00	0.00	0.00	0.02	0.00	13.23	2.00	0.00	0.00	0.02	0.00
13.25	2.00	0.00	0.00	0.02	0.00	13.27	2.00	0.00	0.00	0.02	0.00
13.29	2.00	0.00	0.00	0.02	0.00	13.31	2.00	0.00	0.00	0.02	0.00
13.33	2.00	0.00	0.00	0.02	0.00	13.35	2.00	0.00	0.00	0.02	0.00
13.37	2.00	0.00	0.00	0.02	0.00	13.39	2.00	0.00	0.00	0.02	0.00
13.41	2.00	0.00	0.00	0.02	0.00	13.43	2.00	0.00	0.00	0.02	0.00
13.45	2.00	0.00	0.00	0.02	0.00	13.47	2.00	0.00	0.00	0.02	0.00
13.49	2.00	0.00	0.00	0.02	0.00	13.51	2.00	0.00	0.00	0.02	0.00
13.53	2.00	0.00	0.00	0.02	0.00	13.55	2.00	0.00	0.00	0.02	0.00
13.57	2.00	0.00	0.00	0.02	0.00	13.59	2.00	0.00	0.00	0.02	0.00
13.61	2.00	0.00	0.00	0.02	0.00	13.63	2.00	0.00	0.00	0.02	0.00
13.65	2.00	0.00	0.00	0.02	0.00	13.67	2.00	0.00	0.00	0.02	0.00
13.69	2.00	0.00	0.00	0.02	0.00	13.71	2.00	0.00	0.00	0.02	0.00
13.73	2.00	0.00	0.00	0.02	0.00	13.75	2.00	0.00	0.00	0.02	0.00
13.77	2.00	0.00	0.00	0.02	0.00	13.79	2.00	0.00	0.00	0.02	0.00
13.81	2.00	0.00	0.00	0.02	0.00	13.83	2.00	0.00	0.00	0.02	0.00
13.85	2.00	0.00	0.00	0.02	0.00	13.87	2.00	0.00	0.00	0.02	0.00
13.89	2.00	0.00	0.00	0.02	0.00	13.91	2.00	0.00	0.00	0.02	0.00
13.93	2.00	0.00	0.00	0.02	0.00	13.95	2.00	0.00	0.00	0.02	0.00
13.97	2.00	0.00	0.00	0.02	0.00	13.99	2.00	0.00	0.00	0.02	0.00
14.01	2.00	0.00	0.00	0.02	0.00	14.03	2.00	0.00	0.00	0.02	0.00
14.05	2.00	0.00	0.00	0.02	0.00	14.07	2.00	0.00	0.00	0.02	0.00
14.09	2.00	0.00	0.00	0.02	0.00	14.11	2.00	0.00	0.00	0.02	0.00
14.13	2.00	0.00	0.00	0.02	0.00	14.15	2.00	0.00	0.00	0.02	0.00
14.17	2.00	0.00	0.00	0.02	0.00	14.19	2.00	0.00	0.00	0.02	0.00
14.21	2.00	0.00	0.00	0.02	0.00	14.23	2.00	0.00	0.00	0.02	0.00
14.25	2.00	0.00	0.00	0.02	0.00	14.27	2.00	0.00	0.00	0.02	0.00
14.29	2.00	0.00	0.00	0.02	0.00	14.31	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.33	2.00	0.00	0.00	0.02	0.00	14.35	2.00	0.00	0.00	0.02	0.00
14.36	2.00	0.00	0.00	0.02	0.00	14.38	2.00	0.00	0.00	0.02	0.00
14.40	2.00	0.00	0.00	0.02	0.00	14.42	2.00	0.00	0.00	0.02	0.00
14.44	2.00	0.00	0.00	0.02	0.00	14.46	2.00	0.00	0.00	0.02	0.00
14.48	2.00	0.00	0.00	0.02	0.00	14.50	2.00	0.00	0.00	0.02	0.00
14.52	2.00	0.00	0.00	0.02	0.00	14.54	2.00	0.00	0.00	0.02	0.00
14.56	2.00	0.00	0.00	0.02	0.00	14.58	2.00	0.00	0.00	0.02	0.00
14.60	2.00	0.00	0.00	0.02	0.00	14.62	2.00	0.00	0.00	0.02	0.00
14.64	2.00	0.00	0.00	0.02	0.00	14.66	2.00	0.00	0.00	0.02	0.00
14.68	2.00	0.00	0.00	0.02	0.00	14.70	2.00	0.00	0.00	0.02	0.00
14.72	2.00	0.00	0.00	0.02	0.00	14.74	2.00	0.00	0.00	0.02	0.00
14.76	2.00	0.00	0.00	0.02	0.00	14.78	2.00	0.00	0.00	0.02	0.00
14.80	2.00	0.00	0.00	0.02	0.00	14.82	2.00	0.00	0.00	0.02	0.00
14.84	2.00	0.00	0.00	0.02	0.00	14.86	2.00	0.00	0.00	0.02	0.00
14.88	2.00	0.00	0.00	0.02	0.00	14.90	2.00	0.00	0.00	0.02	0.00
14.92	2.00	0.00	0.00	0.02	0.00	14.94	2.00	0.00	0.00	0.02	0.00
14.96	2.00	0.00	0.00	0.02	0.00	14.98	2.00	0.00	0.00	0.02	0.00
15.00	2.00	0.00	0.00	0.02	0.00	15.02	2.00	0.00	0.00	0.02	0.00
15.04	2.00	0.00	0.00	0.02	0.00	15.06	2.00	0.00	0.00	0.02	0.00
15.08	2.00	0.00	0.00	0.02	0.00	15.10	2.00	0.00	0.00	0.02	0.00
15.12	2.00	0.00	0.00	0.02	0.00	15.14	2.00	0.00	0.00	0.02	0.00
15.16	2.00	0.00	0.00	0.02	0.00	15.18	2.00	0.00	0.00	0.02	0.00
15.20	2.00	0.00	0.00	0.02	0.00	15.22	2.00	0.00	0.00	0.02	0.00
15.24	2.00	0.00	0.00	0.02	0.00	15.26	2.00	0.00	0.00	0.02	0.00
15.28	2.00	0.00	0.00	0.02	0.00	15.30	2.00	0.00	0.00	0.02	0.00
15.32	2.00	0.00	0.00	0.02	0.00	15.34	2.00	0.00	0.00	0.02	0.00
15.36	2.00	0.00	0.00	0.02	0.00	15.38	2.00	0.00	0.00	0.02	0.00
15.40	2.00	0.00	0.00	0.02	0.00	15.42	2.00	0.00	0.00	0.02	0.00
15.44	2.00	0.00	0.00	0.02	0.00	15.46	2.00	0.00	0.00	0.02	0.00
15.48	2.00	0.00	0.00	0.02	0.00	15.50	2.00	0.00	0.00	0.02	0.00
15.52	2.00	0.00	0.00	0.02	0.00	15.54	2.00	0.00	0.00	0.02	0.00
15.56	2.00	0.00	0.00	0.02	0.00	15.58	2.00	0.00	0.00	0.02	0.00
15.60	2.00	0.00	0.00	0.02	0.00	15.61	2.00	0.00	0.00	0.02	0.00
15.63	2.00	0.00	0.00	0.02	0.00	15.65	2.00	0.00	0.00	0.02	0.00
15.67	2.00	0.00	0.00	0.02	0.00	15.69	2.00	0.00	0.00	0.02	0.00
15.71	2.00	0.00	0.00	0.02	0.00	15.73	2.00	0.00	0.00	0.02	0.00
15.75	2.00	0.00	0.00	0.02	0.00	15.77	2.00	0.00	0.00	0.02	0.00
15.79	2.00	0.00	0.00	0.02	0.00	15.81	2.00	0.00	0.00	0.02	0.00
15.83	2.00	0.00	0.00	0.02	0.00	15.85	2.00	0.00	0.00	0.02	0.00
15.87	2.00	0.00	0.00	0.02	0.00	15.89	2.00	0.00	0.00	0.02	0.00
15.91	2.00	0.00	0.00	0.02	0.00	15.93	2.00	0.00	0.00	0.02	0.00
15.95	2.00	0.00	0.00	0.02	0.00	15.97	2.00	0.00	0.00	0.02	0.00
15.99	2.00	0.00	0.00	0.02	0.00	16.01	2.00	0.00	0.00	0.02	0.00
16.03	2.00	0.00	0.00	0.02	0.00	16.05	2.00	0.00	0.00	0.02	0.00
16.07	2.00	0.00	0.00	0.02	0.00	16.09	2.00	0.00	0.00	0.02	0.00
16.11	2.00	0.00	0.00	0.02	0.00	16.13	2.00	0.00	0.00	0.02	0.00
16.15	2.00	0.00	0.00	0.02	0.00	16.17	2.00	0.00	0.00	0.02	0.00
16.19	2.00	0.00	0.00	0.02	0.00	16.21	2.00	0.00	0.00	0.02	0.00
16.23	2.00	0.00	0.00	0.02	0.00	16.25	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.27	2.00	0.00	0.00	0.02	0.00	16.29	2.00	0.00	0.00	0.02	0.00
16.31	2.00	0.00	0.00	0.02	0.00	16.33	2.00	0.00	0.00	0.02	0.00
16.35	2.00	0.00	0.00	0.02	0.00	16.37	2.00	0.00	0.00	0.02	0.00
16.39	2.00	0.00	0.00	0.02	0.00	16.41	2.00	0.00	0.00	0.02	0.00
16.43	2.00	0.00	0.00	0.02	0.00	16.45	2.00	0.00	0.00	0.02	0.00
16.47	2.00	0.00	0.00	0.02	0.00	16.49	2.00	0.00	0.00	0.02	0.00
16.51	2.00	0.00	0.00	0.02	0.00	16.53	2.00	0.00	0.00	0.02	0.00
16.55	2.00	0.00	0.00	0.02	0.00	16.57	2.00	0.00	0.00	0.02	0.00
16.59	2.00	0.00	0.00	0.02	0.00	16.61	2.00	0.00	0.00	0.02	0.00
16.63	2.00	0.00	0.00	0.02	0.00	16.65	2.00	0.00	0.00	0.02	0.00
16.67	2.00	0.00	0.00	0.02	0.00	16.68	2.00	0.00	0.00	0.02	0.00
16.70	2.00	0.00	0.00	0.02	0.00	16.72	2.00	0.00	0.00	0.02	0.00
16.74	2.00	0.00	0.00	0.02	0.00	16.76	2.00	0.00	0.00	0.02	0.00
16.78	2.00	0.00	0.00	0.02	0.00	16.80	2.00	0.00	0.00	0.02	0.00
16.82	2.00	0.00	0.00	0.02	0.00	16.84	2.00	0.00	0.00	0.02	0.00
16.86	2.00	0.00	0.00	0.02	0.00	16.88	2.00	0.00	0.00	0.02	0.00
16.90	2.00	0.00	0.00	0.02	0.00	16.92	2.00	0.00	0.00	0.02	0.00
16.94	2.00	0.00	0.00	0.02	0.00	16.96	2.00	0.00	0.00	0.02	0.00
16.98	2.00	0.00	0.00	0.02	0.00	17.00	2.00	0.00	0.00	0.02	0.00
17.02	2.00	0.00	0.00	0.02	0.00	17.04	2.00	0.00	0.00	0.02	0.00
17.06	2.00	0.00	0.00	0.02	0.00	17.08	2.00	0.00	0.00	0.02	0.00
17.10	2.00	0.00	0.00	0.02	0.00	17.12	2.00	0.00	0.00	0.02	0.00
17.14	2.00	0.00	0.00	0.02	0.00	17.16	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.42	2.00	0.00	0.00	0.02	0.00	17.44	2.00	0.00	0.00	0.02	0.00
17.46	2.00	0.00	0.00	0.02	0.00	17.48	2.00	0.00	0.00	0.02	0.00
17.50	2.00	0.00	0.00	0.02	0.00	17.52	2.00	0.00	0.00	0.02	0.00
17.54	2.00	0.00	0.00	0.02	0.00	17.56	2.00	0.00	0.00	0.02	0.00
17.58	2.00	0.00	0.00	0.02	0.00	17.60	2.00	0.00	0.00	0.02	0.00
17.62	2.00	0.00	0.00	0.02	0.00	17.63	2.00	0.00	0.00	0.02	0.00
17.65	2.00	0.00	0.00	0.02	0.00	17.67	2.00	0.00	0.00	0.02	0.00
17.69	2.00	0.00	0.00	0.02	0.00	17.71	2.00	0.00	0.00	0.02	0.00
17.73	2.00	0.00	0.00	0.02	0.00	17.75	2.00	0.00	0.00	0.02	0.00
17.77	2.00	0.00	0.00	0.02	0.00	17.79	2.00	0.00	0.00	0.02	0.00
17.81	2.00	0.00	0.00	0.02	0.00	17.83	2.00	0.00	0.00	0.02	0.00
17.85	2.00	0.00	0.00	0.02	0.00	17.87	2.00	0.00	0.00	0.02	0.00
17.89	2.00	0.00	0.00	0.02	0.00	17.91	2.00	0.00	0.00	0.02	0.00
17.93	2.00	0.00	0.00	0.02	0.00	17.95	2.00	0.00	0.00	0.02	0.00
17.97	2.00	0.00	0.00	0.02	0.00	17.99	2.00	0.00	0.00	0.02	0.00
18.01	2.00	0.00	0.00	0.02	0.00	18.03	2.00	0.00	0.00	0.02	0.00
18.05	2.00	0.00	0.00	0.02	0.00	18.07	2.00	0.00	0.00	0.02	0.00
18.09	2.00	0.00	0.00	0.02	0.00	18.11	2.00	0.00	0.00	0.02	0.00
18.13	2.00	0.00	0.00	0.02	0.00	18.15	2.00	0.00	0.00	0.02	0.00
18.17	2.00	0.00	0.00	0.02	0.00	18.19	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.21	2.00	0.00	0.00	0.02	0.00	18.23	2.00	0.00	0.00	0.02	0.00
18.25	2.00	0.00	0.00	0.02	0.00	18.27	2.00	0.00	0.00	0.02	0.00
18.29	2.00	0.00	0.00	0.02	0.00	18.31	2.00	0.00	0.00	0.02	0.00
18.33	2.00	0.00	0.00	0.02	0.00	18.35	2.00	0.00	0.00	0.02	0.00
18.37	2.00	0.00	0.00	0.02	0.00	18.39	2.00	0.00	0.00	0.02	0.00
18.41	2.00	0.00	0.00	0.02	0.00	18.43	2.00	0.00	0.00	0.02	0.00
18.45	2.00	0.00	0.00	0.02	0.00	18.47	2.00	0.00	0.00	0.02	0.00
18.49	2.00	0.00	0.00	0.02	0.00	18.50	2.00	0.00	0.00	0.02	0.00
18.52	2.00	0.00	0.00	0.02	0.00	18.54	2.00	0.00	0.00	0.02	0.00
18.56	2.00	0.00	0.00	0.02	0.00	18.58	2.00	0.00	0.00	0.02	0.00
18.60	2.00	0.00	0.00	0.02	0.00	18.62	2.00	0.00	0.00	0.02	0.00
18.64	2.00	0.00	0.00	0.02	0.00	18.66	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.02	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.72	2.00	0.00	0.00	0.02	0.00	18.74	2.00	0.00	0.00	0.02	0.00
18.76	2.00	0.00	0.00	0.02	0.00	18.78	2.00	0.00	0.00	0.02	0.00
18.80	2.00	0.00	0.00	0.02	0.00	18.82	2.00	0.00	0.00	0.02	0.00
18.84	2.00	0.00	0.00	0.02	0.00	18.86	2.00	0.00	0.00	0.02	0.00
18.88	2.00	0.00	0.00	0.02	0.00	18.90	2.00	0.00	0.00	0.02	0.00
18.92	2.00	0.00	0.00	0.02	0.00	18.94	2.00	0.00	0.00	0.02	0.00
18.96	2.00	0.00	0.00	0.02	0.00	18.98	2.00	0.00	0.00	0.02	0.00
19.00	2.00	0.00	0.00	0.02	0.00	19.02	2.00	0.00	0.00	0.02	0.00
19.04	2.00	0.00	0.00	0.02	0.00	19.06	2.00	0.00	0.00	0.02	0.00
19.08	2.00	0.00	0.00	0.02	0.00	19.10	2.00	0.00	0.00	0.02	0.00
19.12	2.00	0.00	0.00	0.02	0.00	19.14	2.00	0.00	0.00	0.02	0.00
19.16	2.00	0.00	0.00	0.02	0.00	19.18	2.00	0.00	0.00	0.02	0.00
19.20	2.00	0.00	0.00	0.02	0.00	19.22	2.00	0.00	0.00	0.02	0.00
19.24	2.00	0.00	0.00	0.02	0.00	19.26	2.00	0.00	0.00	0.02	0.00
19.28	2.00	0.00	0.00	0.02	0.00	19.30	2.00	0.00	0.00	0.02	0.00
19.31	2.00	0.00	0.00	0.02	0.00	19.33	2.00	0.00	0.00	0.02	0.00
19.35	2.00	0.00	0.00	0.02	0.00	19.37	2.00	0.00	0.00	0.02	0.00
19.39	2.00	0.00	0.00	0.02	0.00	19.41	2.00	0.00	0.00	0.02	0.00
19.43	2.00	0.00	0.00	0.02	0.00	19.45	2.00	0.00	0.00	0.02	0.00
19.47	2.00	0.00	0.00	0.02	0.00	19.49	2.00	0.00	0.00	0.02	0.00
19.51	2.00	0.00	0.00	0.02	0.00	19.53	2.00	0.00	0.00	0.02	0.00
19.55	2.00	0.00	0.00	0.02	0.00	19.57	2.00	0.00	0.00	0.02	0.00
19.59	2.00	0.00	0.00	0.02	0.00	19.61	2.00	0.00	0.00	0.02	0.00
19.63	2.00	0.00	0.00	0.02	0.00	19.65	2.00	0.00	0.00	0.02	0.00
19.67	2.00	0.00	0.00	0.02	0.00	19.69	2.00	0.00	0.00	0.02	0.00
19.71	2.00	0.00	0.00	0.02	0.00	19.73	2.00	0.00	0.00	0.02	0.00
19.75	2.00	0.00	0.00	0.02	0.00	19.77	2.00	0.00	0.00	0.02	0.00
19.79	2.00	0.00	0.00	0.02	0.00	19.81	2.00	0.00	0.00	0.02	0.00
19.83	2.00	0.00	0.00	0.02	0.00	19.85	2.00	0.00	0.00	0.02	0.00
19.87	2.00	0.00	0.00	0.02	0.00	19.89	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

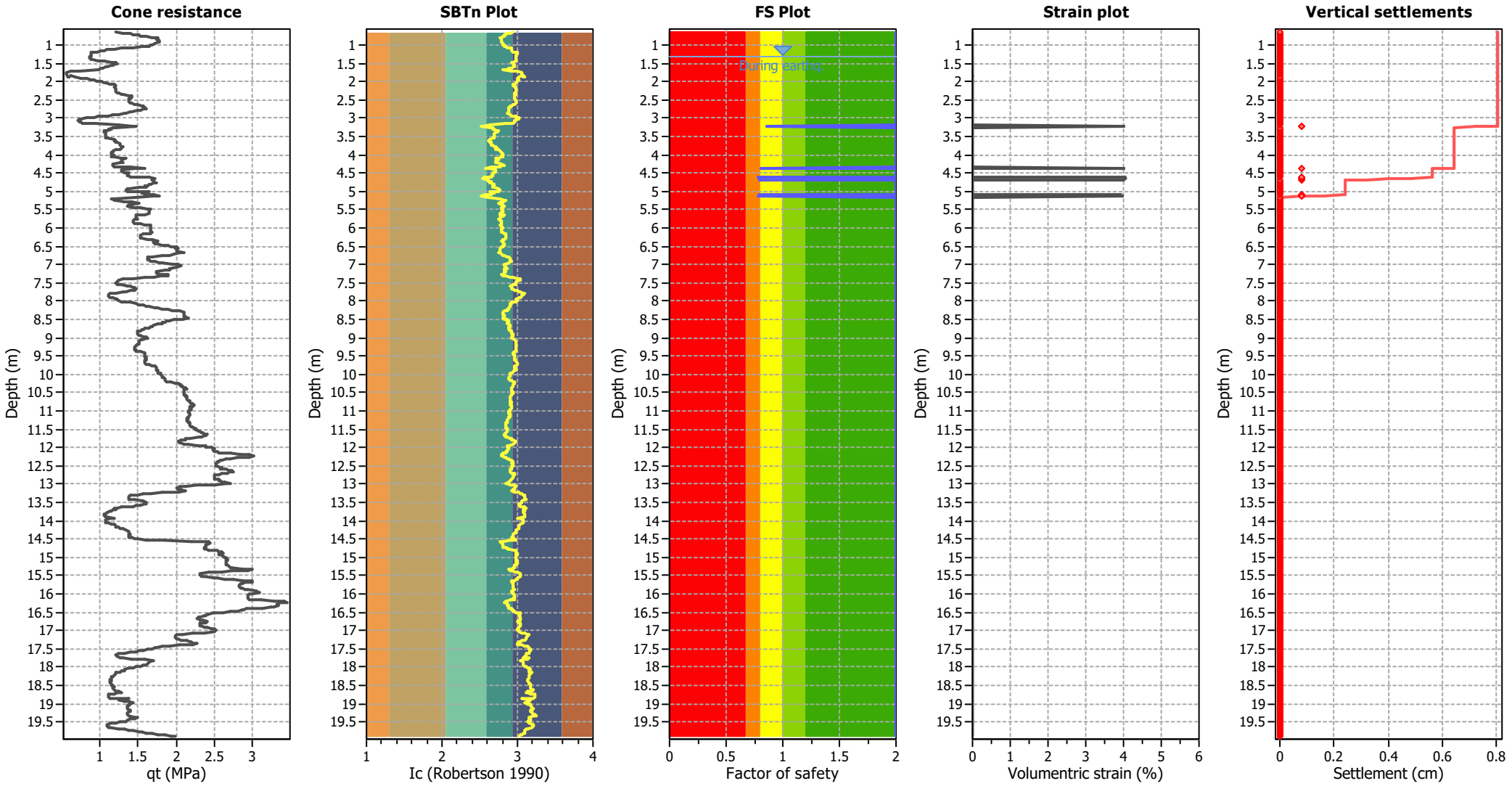
Overall liquefaction potential: 0.30

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.64	2.94	20.03	7.79	156.00	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.90	21.59	7.19	155.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.85	23.34	6.50	151.75	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.84	24.02	6.39	153.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.82	24.99	6.17	154.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.82	25.55	6.13	156.72	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.81	26.84	5.97	160.32	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.80	27.92	5.80	162.06	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.78	29.25	5.56	162.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.79	28.95	5.73	165.88	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.84	2.79	29.16	5.73	166.95	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.86	2.78	29.41	5.67	166.65	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.88	2.78	29.38	5.65	166.14	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.90	2.78	29.55	5.61	165.78	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.92	2.79	29.09	5.73	166.67	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.94	2.80	28.59	5.86	167.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.96	2.80	28.52	5.90	168.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.98	2.82	27.98	6.05	169.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.82	27.75	6.11	169.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.83	27.28	6.18	168.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.85	25.57	6.46	165.22	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.87	23.74	6.74	160.02	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.08	2.92	21.19	7.44	157.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.10	2.93	19.52	7.67	149.72	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.12	2.93	18.08	7.69	138.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.14	2.92	17.31	7.47	129.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.92	16.77	7.43	124.66	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.95	15.65	7.98	124.89	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.20	2.99	14.60	8.63	125.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.22	2.99	14.52	8.67	125.86	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.24	2.99	14.43	8.66	124.94	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.26	2.99	14.48	8.62	124.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.28	2.98	14.42	8.48	122.26	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.30	2.98	14.33	8.39	120.18	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.32	14.60	2.00	0.00	1.00	0.00	1.34	14.60	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.36	14.61	2.00	0.00	1.00	0.00	1.38	14.74	2.00	0.00	1.00	0.00
1.40	15.02	2.00	0.00	1.00	0.00	1.42	16.36	2.00	0.00	1.00	0.00
1.44	17.46	2.00	0.00	1.00	0.00	1.46	19.16	2.00	0.00	1.00	0.00
1.48	20.14	2.00	0.00	1.00	0.00	1.50	20.38	2.00	0.00	1.00	0.00
1.52	20.18	2.00	0.00	1.00	0.00	1.54	19.54	2.00	0.00	1.00	0.00
1.56	19.10	2.00	0.00	1.00	0.00	1.58	18.15	2.00	0.00	1.00	0.00
1.60	17.79	2.00	0.00	1.00	0.00	1.62	17.31	2.00	0.00	1.00	0.00
1.64	16.99	2.00	0.00	1.00	0.00	1.66	16.39	2.00	0.00	1.00	0.00
1.68	16.22	2.00	0.00	1.00	0.00	1.70	12.17	2.00	0.00	1.00	0.00
1.72	10.14	2.00	0.00	1.00	0.00	1.74	9.34	2.00	0.00	1.00	0.00
1.76	9.35	2.00	0.00	1.00	0.00	1.78	9.35	2.00	0.00	1.00	0.00
1.80	9.37	2.00	0.00	1.00	0.00	1.87	9.51	2.00	0.00	1.00	0.00
1.87	9.80	2.00	0.00	1.00	0.00	1.82	10.34	2.00	0.00	1.00	0.00
1.88	11.12	2.00	0.00	1.00	0.00	1.90	12.34	2.00	0.00	1.00	0.00
1.92	13.72	2.00	0.00	1.00	0.00	1.94	14.51	2.00	0.00	1.00	0.00
1.96	15.06	2.00	0.00	1.00	0.00	1.98	15.76	2.00	0.00	1.00	0.00
2.00	16.71	2.00	0.00	1.00	0.00	2.02	17.26	2.00	0.00	1.00	0.00
2.04	17.68	2.00	0.00	1.00	0.00	2.06	18.43	2.00	0.00	1.00	0.00
2.08	19.34	2.00	0.00	1.00	0.00	2.10	19.70	2.00	0.00	1.00	0.00
2.12	19.61	2.00	0.00	1.00	0.00	2.14	19.53	2.00	0.00	1.00	0.00
2.16	19.52	2.00	0.00	1.00	0.00	2.18	19.52	2.00	0.00	1.00	0.00
2.20	19.52	2.00	0.00	1.00	0.00	2.22	19.59	2.00	0.00	1.00	0.00
2.24	19.66	2.00	0.00	1.00	0.00	2.26	19.64	2.00	0.00	1.00	0.00
2.28	19.69	2.00	0.00	1.00	0.00	2.30	19.74	2.00	0.00	1.00	0.00
2.32	20.24	2.00	0.00	1.00	0.00	2.34	20.82	2.00	0.00	1.00	0.00
2.36	21.19	2.00	0.00	1.00	0.00	2.38	22.28	2.00	0.00	1.00	0.00
2.40	22.82	2.00	0.00	1.00	0.00	2.42	23.03	2.00	0.00	1.00	0.00
2.44	23.09	2.00	0.00	1.00	0.00	2.46	22.67	2.00	0.00	1.00	0.00
2.48	22.48	2.00	0.00	1.00	0.00	2.50	22.40	2.00	0.00	1.00	0.00
2.52	22.38	2.00	0.00	1.00	0.00	2.54	22.42	2.00	0.00	1.00	0.00
2.56	22.46	2.00	0.00	1.00	0.00	2.58	22.67	2.00	0.00	1.00	0.00
2.60	22.96	2.00	0.00	1.00	0.00	2.62	23.53	2.00	0.00	1.00	0.00
2.64	24.29	2.00	0.00	1.00	0.00	2.66	25.05	2.00	0.00	1.00	0.00
2.68	25.34	2.00	0.00	1.00	0.00	2.70	25.55	2.00	0.00	1.00	0.00
2.72	25.84	2.00	0.00	1.00	0.00	2.74	26.01	2.00	0.00	1.00	0.00
2.76	25.47	2.00	0.00	1.00	0.00	2.78	24.84	2.00	0.00	1.00	0.00
2.80	24.07	2.00	0.00	1.00	0.00	2.82	23.05	2.00	0.00	1.00	0.00
2.84	22.43	2.00	0.00	1.00	0.00	2.86	21.61	2.00	0.00	1.00	0.00
2.88	21.35	2.00	0.00	1.00	0.00	2.90	20.01	2.00	0.00	1.00	0.00
2.92	18.61	2.00	0.00	1.00	0.00	2.94	17.71	2.00	0.00	1.00	0.00
2.96	15.59	2.00	0.00	1.00	0.00	2.98	14.46	2.00	0.00	1.00	0.00
3.00	13.10	2.00	0.00	1.00	0.00	3.02	11.78	2.00	0.00	1.00	0.00
3.04	11.19	2.00	0.00	1.00	0.00	3.06	11.12	2.00	0.00	1.00	0.00
3.08	11.20	2.00	0.00	1.00	0.00	3.10	11.27	2.00	0.00	1.00	0.00
3.12	11.46	2.00	0.00	1.00	0.00	3.14	11.84	2.00	0.00	1.00	0.00
3.16	14.57	2.00	0.00	1.00	0.00	3.18	19.43	2.00	0.00	1.00	0.00
3.20	79.07	0.86	4.05	1.00	0.08	3.22	79.96	0.87	4.01	1.00	0.08
3.24	18.99	2.00	0.00	1.00	0.00	3.26	18.23	2.00	0.00	1.00	0.00
3.28	17.48	2.00	0.00	1.00	0.00	3.30	18.12	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.32	16.89	2.00	0.00	1.00	0.00	3.34	16.43	2.00	0.00	1.00	0.00
3.36	16.35	2.00	0.00	1.00	0.00	3.38	16.31	2.00	0.00	1.00	0.00
3.40	16.30	2.00	0.00	1.00	0.00	3.42	16.29	2.00	0.00	1.00	0.00
3.44	16.35	2.00	0.00	1.00	0.00	3.46	16.29	2.00	0.00	1.00	0.00
3.48	16.24	2.00	0.00	1.00	0.00	3.50	16.23	2.00	0.00	1.00	0.00
3.52	16.22	2.00	0.00	1.00	0.00	3.54	16.42	2.00	0.00	1.00	0.00
3.56	17.78	2.00	0.00	1.00	0.00	3.59	17.69	2.00	0.00	1.00	0.00
3.60	17.82	2.00	0.00	1.00	0.00	3.62	17.76	2.00	0.00	1.00	0.00
3.64	17.84	2.00	0.00	1.00	0.00	3.66	17.92	2.00	0.00	1.00	0.00
3.68	18.43	2.00	0.00	1.00	0.00	3.70	18.39	2.00	0.00	1.00	0.00
3.72	18.41	2.00	0.00	1.00	0.00	3.74	18.43	2.00	0.00	1.00	0.00
3.76	18.53	2.00	0.00	1.00	0.00	3.78	18.78	2.00	0.00	1.00	0.00
3.80	18.56	2.00	0.00	1.00	0.00	3.82	18.38	2.00	0.00	1.00	0.00
3.84	18.13	2.00	0.00	1.00	0.00	3.86	17.25	2.00	0.00	1.00	0.00
3.88	16.89	2.00	0.00	1.00	0.00	3.90	16.78	2.00	0.00	1.00	0.00
3.92	16.67	2.00	0.00	1.00	0.00	3.94	16.60	2.00	0.00	1.00	0.00
3.96	16.55	2.00	0.00	1.00	0.00	3.98	16.53	2.00	0.00	1.00	0.00
4.00	16.51	2.00	0.00	1.00	0.00	4.02	17.09	2.00	0.00	1.00	0.00
4.04	16.52	2.00	0.00	1.00	0.00	4.06	17.03	2.00	0.00	1.00	0.00
4.08	18.49	2.00	0.00	1.00	0.00	4.10	19.30	2.00	0.00	1.00	0.00
4.12	18.79	2.00	0.00	1.00	0.00	4.14	18.76	2.00	0.00	1.00	0.00
4.16	18.73	2.00	0.00	1.00	0.00	4.18	18.70	2.00	0.00	1.00	0.00
4.20	18.99	2.00	0.00	1.00	0.00	4.22	18.40	2.00	0.00	1.00	0.00
4.24	16.92	2.00	0.00	1.00	0.00	4.26	16.88	2.00	0.00	1.00	0.00
4.28	16.85	2.00	0.00	1.00	0.00	4.30	16.84	2.00	0.00	1.00	0.00
4.32	16.82	2.00	0.00	1.00	0.00	4.34	19.72	2.00	0.00	1.00	0.00
4.36	79.56	0.80	4.03	1.00	0.08	4.38	20.61	2.00	0.00	1.00	0.00
4.40	17.90	2.00	0.00	1.00	0.00	4.42	17.88	2.00	0.00	1.00	0.00
4.44	17.86	2.00	0.00	1.00	0.00	4.46	17.88	2.00	0.00	1.00	0.00
4.48	18.18	2.00	0.00	1.00	0.00	4.50	18.80	2.00	0.00	1.00	0.00
4.52	18.66	2.00	0.00	1.00	0.00	4.54	18.64	2.00	0.00	1.00	0.00
4.56	18.63	2.00	0.00	1.00	0.00	4.58	18.66	2.00	0.00	1.00	0.00
4.60	18.92	2.00	0.00	1.00	0.00	4.62	78.58	0.79	4.08	1.00	0.08
4.64	79.68	0.80	4.02	1.00	0.08	4.66	79.24	0.79	4.05	1.00	0.08
4.68	79.60	0.79	4.03	1.00	0.08	4.70	22.37	2.00	0.00	1.00	0.00
4.72	22.33	2.00	0.00	1.00	0.00	4.74	22.29	2.00	0.00	1.00	0.00
4.76	22.71	2.00	0.00	1.00	0.00	4.78	22.30	2.00	0.00	1.00	0.00
4.80	21.72	2.00	0.00	1.00	0.00	4.82	21.26	2.00	0.00	1.00	0.00
4.84	21.49	2.00	0.00	1.00	0.00	4.86	20.75	2.00	0.00	1.00	0.00
4.88	21.18	2.00	0.00	1.00	0.00	4.90	19.89	2.00	0.00	1.00	0.00
4.92	18.25	2.00	0.00	1.00	0.00	4.94	17.86	2.00	0.00	1.00	0.00
4.96	17.67	2.00	0.00	1.00	0.00	4.98	17.73	2.00	0.00	1.00	0.00
5.00	17.80	2.00	0.00	1.00	0.00	5.02	21.92	2.00	0.00	1.00	0.00
5.04	21.31	2.00	0.00	1.00	0.00	5.06	21.52	2.00	0.00	1.00	0.00
5.08	21.74	2.00	0.00	1.00	0.00	5.10	80.73	0.79	3.97	1.00	0.08
5.12	80.99	0.80	3.96	1.00	0.08	5.14	79.90	0.79	4.01	1.00	0.08
5.16	20.14	2.00	0.00	1.00	0.00	5.19	16.04	2.00	0.00	1.00	0.00
5.20	15.84	2.00	0.00	1.00	0.00	5.22	15.80	2.00	0.00	1.00	0.00
5.24	15.79	2.00	0.00	1.00	0.00	5.26	15.78	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.28	16.97	2.00	0.00	1.00	0.00	5.30	18.09	2.00	0.00	1.00	0.00
5.32	19.31	2.00	0.00	1.00	0.00	5.34	19.18	2.00	0.00	1.00	0.00
5.36	18.16	2.00	0.00	1.00	0.00	5.38	17.64	2.00	0.00	1.00	0.00
5.40	17.38	2.00	0.00	1.00	0.00	5.42	17.29	2.00	0.00	1.00	0.00
5.44	18.33	2.00	0.00	1.00	0.00	5.46	19.35	2.00	0.00	1.00	0.00
5.48	20.41	2.00	0.00	1.00	0.00	5.50	21.37	2.00	0.00	1.00	0.00
5.52	21.04	2.00	0.00	1.00	0.00	5.54	20.99	2.00	0.00	1.00	0.00
5.56	20.96	2.00	0.00	1.00	0.00	5.58	20.93	2.00	0.00	1.00	0.00
5.60	20.90	2.00	0.00	1.00	0.00	5.62	21.08	2.00	0.00	1.00	0.00
5.64	20.42	2.00	0.00	1.00	0.00	5.66	18.79	2.00	0.00	1.00	0.00
5.68	18.76	2.00	0.00	1.00	0.00	5.70	18.73	2.00	0.00	1.00	0.00
5.72	18.71	2.00	0.00	1.00	0.00	5.74	18.69	2.00	0.00	1.00	0.00
5.76	18.93	2.00	0.00	1.00	0.00	5.78	18.36	2.00	0.00	1.00	0.00
5.80	18.21	2.00	0.00	1.00	0.00	5.82	18.12	2.00	0.00	1.00	0.00
5.84	18.14	2.00	0.00	1.00	0.00	5.86	18.16	2.00	0.00	1.00	0.00
5.88	18.89	2.00	0.00	1.00	0.00	5.90	19.62	2.00	0.00	1.00	0.00
5.92	20.43	2.00	0.00	1.00	0.00	5.94	20.48	2.00	0.00	1.00	0.00
5.96	20.46	2.00	0.00	1.00	0.00	5.98	20.43	2.00	0.00	1.00	0.00
6.00	20.54	2.00	0.00	1.00	0.00	6.02	20.51	2.00	0.00	1.00	0.00
6.04	20.48	2.00	0.00	1.00	0.00	6.06	20.54	2.00	0.00	1.00	0.00
6.08	20.51	2.00	0.00	1.00	0.00	6.10	20.71	2.00	0.00	1.00	0.00
6.12	20.70	2.00	0.00	1.00	0.00	6.14	20.96	2.00	0.00	1.00	0.00
6.16	19.81	2.00	0.00	1.00	0.00	6.18	19.44	2.00	0.00	1.00	0.00
6.20	19.39	2.00	0.00	1.00	0.00	6.22	19.35	2.00	0.00	1.00	0.00
6.24	19.32	2.00	0.00	1.00	0.00	6.26	19.35	2.00	0.00	1.00	0.00
6.28	19.39	2.00	0.00	1.00	0.00	6.30	20.30	2.00	0.00	1.00	0.00
6.32	21.19	2.00	0.00	1.00	0.00	6.34	21.92	2.00	0.00	1.00	0.00
6.36	21.32	2.00	0.00	1.00	0.00	6.38	21.29	2.00	0.00	1.00	0.00
6.40	21.26	2.00	0.00	1.00	0.00	6.42	21.23	2.00	0.00	1.00	0.00
6.44	21.63	2.00	0.00	1.00	0.00	6.46	22.15	2.00	0.00	1.00	0.00
6.48	23.04	2.00	0.00	1.00	0.00	6.50	23.58	2.00	0.00	1.00	0.00
6.52	24.36	2.00	0.00	1.00	0.00	6.54	24.29	2.00	0.00	1.00	0.00
6.56	24.65	2.00	0.00	1.00	0.00	6.58	24.40	2.00	0.00	1.00	0.00
6.60	24.37	2.00	0.00	1.00	0.00	6.62	24.35	2.00	0.00	1.00	0.00
6.64	24.34	2.00	0.00	1.00	0.00	6.66	25.25	2.00	0.00	1.00	0.00
6.68	24.51	2.00	0.00	1.00	0.00	6.70	23.64	2.00	0.00	1.00	0.00
6.72	23.59	2.00	0.00	1.00	0.00	6.74	22.92	2.00	0.00	1.00	0.00
6.76	21.84	2.00	0.00	1.00	0.00	6.78	20.28	2.00	0.00	1.00	0.00
6.80	19.58	2.00	0.00	1.00	0.00	6.82	19.49	2.00	0.00	1.00	0.00
6.84	19.45	2.00	0.00	1.00	0.00	6.86	19.45	2.00	0.00	1.00	0.00
6.88	19.44	2.00	0.00	1.00	0.00	6.90	19.61	2.00	0.00	1.00	0.00
6.92	20.28	2.00	0.00	1.00	0.00	6.94	20.85	2.00	0.00	1.00	0.00
6.96	21.30	2.00	0.00	1.00	0.00	6.98	22.68	2.00	0.00	1.00	0.00
7.00	23.93	2.00	0.00	1.00	0.00	7.02	24.33	2.00	0.00	1.00	0.00
7.04	24.40	2.00	0.00	1.00	0.00	7.06	23.81	2.00	0.00	1.00	0.00
7.08	23.74	2.00	0.00	1.00	0.00	7.10	22.81	2.00	0.00	1.00	0.00
7.12	22.97	2.00	0.00	1.00	0.00	7.14	22.74	2.00	0.00	1.00	0.00
7.16	21.87	2.00	0.00	1.00	0.00	7.18	20.55	2.00	0.00	1.00	0.00
7.20	20.50	2.00	0.00	1.00	0.00	7.22	20.46	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.24	20.45	2.00	0.00	1.00	0.00	7.26	20.43	2.00	0.00	1.00	0.00
7.28	21.74	2.00	0.00	1.00	0.00	7.30	21.72	2.00	0.00	1.00	0.00
7.32	20.62	2.00	0.00	1.00	0.00	7.34	19.58	2.00	0.00	1.00	0.00
7.36	18.20	2.00	0.00	1.00	0.00	7.38	16.36	2.00	0.00	1.00	0.00
7.40	15.00	2.00	0.00	1.00	0.00	7.42	14.21	2.00	0.00	1.00	0.00
7.44	14.22	2.00	0.00	1.00	0.00	7.46	13.97	2.00	0.00	1.00	0.00
7.48	13.84	2.00	0.00	1.00	0.00	7.50	13.77	2.00	0.00	1.00	0.00
7.52	13.78	2.00	0.00	1.00	0.00	7.54	13.78	2.00	0.00	1.00	0.00
7.56	14.48	2.00	0.00	1.00	0.00	7.58	15.26	2.00	0.00	1.00	0.00
7.60	15.60	2.00	0.00	1.00	0.00	7.62	16.10	2.00	0.00	1.00	0.00
7.64	16.35	2.00	0.00	1.00	0.00	7.66	16.37	2.00	0.00	1.00	0.00
7.68	16.39	2.00	0.00	1.00	0.00	7.70	16.14	2.00	0.00	1.00	0.00
7.72	15.61	2.00	0.00	1.00	0.00	7.74	14.85	2.00	0.00	1.00	0.00
7.76	14.53	2.00	0.00	1.00	0.00	7.78	13.47	2.00	0.00	1.00	0.00
7.80	12.50	2.00	0.00	1.00	0.00	7.82	12.37	2.00	0.00	1.00	0.00
7.84	12.35	2.00	0.00	1.00	0.00	7.86	12.34	2.00	0.00	1.00	0.00
7.88	12.33	2.00	0.00	1.00	0.00	7.90	12.47	2.00	0.00	1.00	0.00
7.92	12.94	2.00	0.00	1.00	0.00	7.94	13.42	2.00	0.00	1.00	0.00
7.96	13.19	2.00	0.00	1.00	0.00	7.98	13.25	2.00	0.00	1.00	0.00
8.00	13.32	2.00	0.00	1.00	0.00	8.02	13.55	2.00	0.00	1.00	0.00
8.04	14.70	2.00	0.00	1.00	0.00	8.06	15.49	2.00	0.00	1.00	0.00
8.08	15.58	2.00	0.00	1.00	0.00	8.10	16.02	2.00	0.00	1.00	0.00
8.12	16.48	2.00	0.00	1.00	0.00	8.13	16.86	2.00	0.00	1.00	0.00
8.15	17.13	2.00	0.00	1.00	0.00	8.17	17.97	2.00	0.00	1.00	0.00
8.19	18.45	2.00	0.00	1.00	0.00	8.21	18.90	2.00	0.00	1.00	0.00
8.23	19.78	2.00	0.00	1.00	0.00	8.25	20.45	2.00	0.00	1.00	0.00
8.27	21.32	2.00	0.00	1.00	0.00	8.29	21.90	2.00	0.00	1.00	0.00
8.31	21.92	2.00	0.00	1.00	0.00	8.33	21.85	2.00	0.00	1.00	0.00
8.35	21.83	2.00	0.00	1.00	0.00	8.37	21.81	2.00	0.00	1.00	0.00
8.39	21.79	2.00	0.00	1.00	0.00	8.41	21.80	2.00	0.00	1.00	0.00
8.43	22.03	2.00	0.00	1.00	0.00	8.45	22.12	2.00	0.00	1.00	0.00
8.47	22.38	2.00	0.00	1.00	0.00	8.49	21.59	2.00	0.00	1.00	0.00
8.51	20.46	2.00	0.00	1.00	0.00	8.53	19.78	2.00	0.00	1.00	0.00
8.55	19.46	2.00	0.00	1.00	0.00	8.57	19.14	2.00	0.00	1.00	0.00
8.59	18.82	2.00	0.00	1.00	0.00	8.61	18.80	2.00	0.00	1.00	0.00
8.63	18.22	2.00	0.00	1.00	0.00	8.65	17.59	2.00	0.00	1.00	0.00
8.67	17.48	2.00	0.00	1.00	0.00	8.69	17.22	2.00	0.00	1.00	0.00
8.71	17.20	2.00	0.00	1.00	0.00	8.73	16.96	2.00	0.00	1.00	0.00
8.75	16.29	2.00	0.00	1.00	0.00	8.77	16.14	2.00	0.00	1.00	0.00
8.79	15.83	2.00	0.00	1.00	0.00	8.81	15.57	2.00	0.00	1.00	0.00
8.83	15.27	2.00	0.00	1.00	0.00	8.85	15.25	2.00	0.00	1.00	0.00
8.87	15.23	2.00	0.00	1.00	0.00	8.89	15.22	2.00	0.00	1.00	0.00
8.91	15.21	2.00	0.00	1.00	0.00	8.93	15.23	2.00	0.00	1.00	0.00
8.95	15.25	2.00	0.00	1.00	0.00	8.97	15.51	2.00	0.00	1.00	0.00
8.99	15.88	2.00	0.00	1.00	0.00	9.01	16.07	2.00	0.00	1.00	0.00
9.03	15.90	2.00	0.00	1.00	0.00	9.05	15.50	2.00	0.00	1.00	0.00
9.07	15.22	2.00	0.00	1.00	0.00	9.09	15.16	2.00	0.00	1.00	0.00
9.11	15.14	2.00	0.00	1.00	0.00	9.13	15.12	2.00	0.00	1.00	0.00
9.15	15.10	2.00	0.00	1.00	0.00	9.17	15.10	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.19	14.96	2.00	0.00	1.00	0.00	9.21	14.78	2.00	0.00	1.00	0.00
9.23	14.64	2.00	0.00	1.00	0.00	9.25	14.49	2.00	0.00	1.00	0.00
9.27	14.48	2.00	0.00	1.00	0.00	9.29	14.46	2.00	0.00	1.00	0.00
9.31	14.45	2.00	0.00	1.00	0.00	9.33	14.50	2.00	0.00	1.00	0.00
9.35	14.62	2.00	0.00	1.00	0.00	9.37	15.07	2.00	0.00	1.00	0.00
9.39	15.71	2.00	0.00	1.00	0.00	9.41	15.54	2.00	0.00	1.00	0.00
9.43	15.52	2.00	0.00	1.00	0.00	9.45	15.51	2.00	0.00	1.00	0.00
9.47	15.50	2.00	0.00	1.00	0.00	9.49	15.53	2.00	0.00	1.00	0.00
9.51	15.61	2.00	0.00	1.00	0.00	9.53	15.69	2.00	0.00	1.00	0.00
9.55	15.64	2.00	0.00	1.00	0.00	9.57	15.60	2.00	0.00	1.00	0.00
9.59	15.66	2.00	0.00	1.00	0.00	9.61	15.38	2.00	0.00	1.00	0.00
9.63	15.37	2.00	0.00	1.00	0.00	9.65	15.36	2.00	0.00	1.00	0.00
9.67	15.35	2.00	0.00	1.00	0.00	9.69	15.37	2.00	0.00	1.00	0.00
9.71	15.54	2.00	0.00	1.00	0.00	9.73	15.84	2.00	0.00	1.00	0.00
9.75	16.19	2.00	0.00	1.00	0.00	9.77	16.62	2.00	0.00	1.00	0.00
9.79	16.70	2.00	0.00	1.00	0.00	9.81	16.63	2.00	0.00	1.00	0.00
9.83	16.62	2.00	0.00	1.00	0.00	9.85	16.61	2.00	0.00	1.00	0.00
9.87	16.62	2.00	0.00	1.00	0.00	9.89	16.72	2.00	0.00	1.00	0.00
9.91	16.76	2.00	0.00	1.00	0.00	9.93	16.80	2.00	0.00	1.00	0.00
9.95	16.80	2.00	0.00	1.00	0.00	9.97	16.80	2.00	0.00	1.00	0.00
9.99	16.77	2.00	0.00	1.00	0.00	10.01	16.80	2.00	0.00	1.00	0.00
10.03	16.82	2.00	0.00	1.00	0.00	10.05	16.83	2.00	0.00	1.00	0.00
10.07	16.93	2.00	0.00	1.00	0.00	10.09	17.03	2.00	0.00	1.00	0.00
10.11	17.28	2.00	0.00	1.00	0.00	10.13	17.16	2.00	0.00	1.00	0.00
10.15	17.16	2.00	0.00	1.00	0.00	10.17	17.17	2.00	0.00	1.00	0.00
10.19	17.28	2.00	0.00	1.00	0.00	10.21	17.79	2.00	0.00	1.00	0.00
10.23	18.28	2.00	0.00	1.00	0.00	10.25	18.64	2.00	0.00	1.00	0.00
10.27	18.98	2.00	0.00	1.00	0.00	10.29	18.90	2.00	0.00	1.00	0.00
10.31	19.10	2.00	0.00	1.00	0.00	10.33	18.98	2.00	0.00	1.00	0.00
10.35	19.39	2.00	0.00	1.00	0.00	10.37	19.55	2.00	0.00	1.00	0.00
10.39	19.58	2.00	0.00	1.00	0.00	10.41	19.36	2.00	0.00	1.00	0.00
10.43	19.36	2.00	0.00	1.00	0.00	10.45	19.29	2.00	0.00	1.00	0.00
10.47	19.23	2.00	0.00	1.00	0.00	10.49	19.21	2.00	0.00	1.00	0.00
10.51	19.19	2.00	0.00	1.00	0.00	10.53	19.18	2.00	0.00	1.00	0.00
10.55	19.18	2.00	0.00	1.00	0.00	10.57	19.31	2.00	0.00	1.00	0.00
10.59	19.50	2.00	0.00	1.00	0.00	10.61	19.42	2.00	0.00	1.00	0.00
10.63	19.47	2.00	0.00	1.00	0.00	10.65	19.51	2.00	0.00	1.00	0.00
10.67	19.47	2.00	0.00	1.00	0.00	10.69	19.52	2.00	0.00	1.00	0.00
10.71	19.57	2.00	0.00	1.00	0.00	10.73	19.88	2.00	0.00	1.00	0.00
10.75	19.71	2.00	0.00	1.00	0.00	10.77	19.80	2.00	0.00	1.00	0.00
10.79	19.91	2.00	0.00	1.00	0.00	10.81	20.01	2.00	0.00	1.00	0.00
10.83	20.10	2.00	0.00	1.00	0.00	10.85	20.14	2.00	0.00	1.00	0.00
10.87	19.88	2.00	0.00	1.00	0.00	10.89	19.61	2.00	0.00	1.00	0.00
10.90	19.65	2.00	0.00	1.00	0.00	10.92	19.51	2.00	0.00	1.00	0.00
10.94	19.36	2.00	0.00	1.00	0.00	10.96	19.48	2.00	0.00	1.00	0.00
10.98	19.32	2.00	0.00	1.00	0.00	11.00	19.23	2.00	0.00	1.00	0.00
11.02	19.22	2.00	0.00	1.00	0.00	11.04	19.20	2.00	0.00	1.00	0.00
11.06	19.20	2.00	0.00	1.00	0.00	11.08	19.23	2.00	0.00	1.00	0.00
11.10	19.24	2.00	0.00	1.00	0.00	11.12	19.25	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.14	19.06	2.00	0.00	1.00	0.00	11.16	19.01	2.00	0.00	1.00	0.00
11.18	18.94	2.00	0.00	1.00	0.00	11.20	18.96	2.00	0.00	1.00	0.00
11.22	18.82	2.00	0.00	1.00	0.00	11.24	18.81	2.00	0.00	1.00	0.00
11.26	18.81	2.00	0.00	1.00	0.00	11.28	18.85	2.00	0.00	1.00	0.00
11.30	18.93	2.00	0.00	1.00	0.00	11.32	19.14	2.00	0.00	1.00	0.00
11.34	19.02	2.00	0.00	1.00	0.00	11.36	19.02	2.00	0.00	1.00	0.00
11.38	19.01	2.00	0.00	1.00	0.00	11.40	19.03	2.00	0.00	1.00	0.00
11.42	19.09	2.00	0.00	1.00	0.00	11.44	19.22	2.00	0.00	1.00	0.00
11.46	19.33	2.00	0.00	1.00	0.00	11.48	19.54	2.00	0.00	1.00	0.00
11.50	19.57	2.00	0.00	1.00	0.00	11.52	19.66	2.00	0.00	1.00	0.00
11.54	19.89	2.00	0.00	1.00	0.00	11.56	19.92	2.00	0.00	1.00	0.00
11.58	20.15	2.00	0.00	1.00	0.00	11.60	20.31	2.00	0.00	1.00	0.00
11.62	20.47	2.00	0.00	1.00	0.00	11.64	20.68	2.00	0.00	1.00	0.00
11.66	20.59	2.00	0.00	1.00	0.00	11.68	20.41	2.00	0.00	1.00	0.00
11.70	20.01	2.00	0.00	1.00	0.00	11.72	19.72	2.00	0.00	1.00	0.00
11.74	18.68	2.00	0.00	1.00	0.00	11.76	18.23	2.00	0.00	1.00	0.00
11.78	18.39	2.00	0.00	1.00	0.00	11.80	17.76	2.00	0.00	1.00	0.00
11.82	17.45	2.00	0.00	1.00	0.00	11.84	17.43	2.00	0.00	1.00	0.00
11.86	17.53	2.00	0.00	1.00	0.00	11.88	17.63	2.00	0.00	1.00	0.00
11.90	17.85	2.00	0.00	1.00	0.00	11.92	18.32	2.00	0.00	1.00	0.00
11.94	19.62	2.00	0.00	1.00	0.00	11.96	20.41	2.00	0.00	1.00	0.00
11.98	20.46	2.00	0.00	1.00	0.00	12.00	21.24	2.00	0.00	1.00	0.00
12.02	21.64	2.00	0.00	1.00	0.00	12.04	21.49	2.00	0.00	1.00	0.00
12.06	21.48	2.00	0.00	1.00	0.00	12.08	21.57	2.00	0.00	1.00	0.00
12.10	21.65	2.00	0.00	1.00	0.00	12.12	22.03	2.00	0.00	1.00	0.00
12.14	22.09	2.00	0.00	1.00	0.00	12.16	23.22	2.00	0.00	1.00	0.00
12.18	24.33	2.00	0.00	1.00	0.00	12.20	25.32	2.00	0.00	1.00	0.00
12.22	25.87	2.00	0.00	1.00	0.00	12.24	26.11	2.00	0.00	1.00	0.00
12.26	25.95	2.00	0.00	1.00	0.00	12.28	24.60	2.00	0.00	1.00	0.00
12.30	23.86	2.00	0.00	1.00	0.00	12.32	23.44	2.00	0.00	1.00	0.00
12.34	22.81	2.00	0.00	1.00	0.00	12.36	22.67	2.00	0.00	1.00	0.00
12.38	22.38	2.00	0.00	1.00	0.00	12.40	22.43	2.00	0.00	1.00	0.00
12.42	22.19	2.00	0.00	1.00	0.00	12.44	22.06	2.00	0.00	1.00	0.00
12.46	22.02	2.00	0.00	1.00	0.00	12.48	22.00	2.00	0.00	1.00	0.00
12.50	22.00	2.00	0.00	1.00	0.00	12.52	22.00	2.00	0.00	1.00	0.00
12.54	22.41	2.00	0.00	1.00	0.00	12.56	22.55	2.00	0.00	1.00	0.00
12.58	22.39	2.00	0.00	1.00	0.00	12.60	22.88	2.00	0.00	1.00	0.00
12.62	23.16	2.00	0.00	1.00	0.00	12.64	23.53	2.00	0.00	1.00	0.00
12.66	23.65	2.00	0.00	1.00	0.00	12.68	23.16	2.00	0.00	1.00	0.00
12.70	22.92	2.00	0.00	1.00	0.00	12.72	22.14	2.00	0.00	1.00	0.00
12.74	21.92	2.00	0.00	1.00	0.00	12.76	21.39	2.00	0.00	1.00	0.00
12.78	21.32	2.00	0.00	1.00	0.00	12.80	21.28	2.00	0.00	1.00	0.00
12.82	21.26	2.00	0.00	1.00	0.00	12.84	21.24	2.00	0.00	1.00	0.00
12.85	21.23	2.00	0.00	1.00	0.00	12.87	21.53	2.00	0.00	1.00	0.00
12.89	21.59	2.00	0.00	1.00	0.00	12.91	21.60	2.00	0.00	1.00	0.00
12.93	21.61	2.00	0.00	1.00	0.00	12.95	22.01	2.00	0.00	1.00	0.00
12.97	22.73	2.00	0.00	1.00	0.00	12.99	22.25	2.00	0.00	1.00	0.00
13.01	21.07	2.00	0.00	1.00	0.00	13.03	19.24	2.00	0.00	1.00	0.00
13.05	17.77	2.00	0.00	1.00	0.00	13.07	17.18	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.09	16.89	2.00	0.00	1.00	0.00	13.11	16.75	2.00	0.00	1.00	0.00
13.13	16.91	2.00	0.00	1.00	0.00	13.15	17.06	2.00	0.00	1.00	0.00
13.17	17.41	2.00	0.00	1.00	0.00	13.19	17.45	2.00	0.00	1.00	0.00
13.21	16.77	2.00	0.00	1.00	0.00	13.23	15.09	2.00	0.00	1.00	0.00
13.25	13.86	2.00	0.00	1.00	0.00	13.27	13.04	2.00	0.00	1.00	0.00
13.29	12.26	2.00	0.00	1.00	0.00	13.31	11.42	2.00	0.00	1.00	0.00
13.33	11.24	2.00	0.00	1.00	0.00	13.35	11.20	2.00	0.00	1.00	0.00
13.37	11.17	2.00	0.00	1.00	0.00	13.39	11.17	2.00	0.00	1.00	0.00
13.41	11.17	2.00	0.00	1.00	0.00	13.43	11.67	2.00	0.00	1.00	0.00
13.45	12.69	2.00	0.00	1.00	0.00	13.47	12.66	2.00	0.00	1.00	0.00
13.49	12.88	2.00	0.00	1.00	0.00	13.51	12.83	2.00	0.00	1.00	0.00
13.53	12.88	2.00	0.00	1.00	0.00	13.55	12.73	2.00	0.00	1.00	0.00
13.57	12.20	2.00	0.00	1.00	0.00	13.59	11.74	2.00	0.00	1.00	0.00
13.61	11.35	2.00	0.00	1.00	0.00	13.63	10.14	2.00	0.00	1.00	0.00
13.65	9.74	2.00	0.00	1.00	0.00	13.67	9.36	2.00	0.00	1.00	0.00
13.69	9.55	2.00	0.00	1.00	0.00	13.71	9.19	2.00	0.00	1.00	0.00
13.73	9.09	2.00	0.00	1.00	0.00	13.75	8.82	2.00	0.00	1.00	0.00
13.77	8.57	2.00	0.00	1.00	0.00	13.79	8.49	2.00	0.00	1.00	0.00
13.81	8.36	2.00	0.00	1.00	0.00	13.83	8.29	2.00	0.00	1.00	0.00
13.85	8.25	2.00	0.00	1.00	0.00	13.87	8.23	2.00	0.00	1.00	0.00
13.89	8.27	2.00	0.00	1.00	0.00	13.91	8.32	2.00	0.00	1.00	0.00
13.93	8.91	2.00	0.00	1.00	0.00	13.95	8.43	2.00	0.00	1.00	0.00
13.97	8.01	2.00	0.00	1.00	0.00	13.99	8.00	2.00	0.00	1.00	0.00
14.01	7.99	2.00	0.00	1.00	0.00	14.03	7.98	2.00	0.00	1.00	0.00
14.05	7.98	2.00	0.00	1.00	0.00	14.07	8.22	2.00	0.00	1.00	0.00
14.09	8.53	2.00	0.00	1.00	0.00	14.11	8.69	2.00	0.00	1.00	0.00
14.13	8.87	2.00	0.00	1.00	0.00	14.15	8.95	2.00	0.00	1.00	0.00
14.17	8.90	2.00	0.00	1.00	0.00	14.19	9.16	2.00	0.00	1.00	0.00
14.21	9.30	2.00	0.00	1.00	0.00	14.23	9.63	2.00	0.00	1.00	0.00
14.25	9.87	2.00	0.00	1.00	0.00	14.27	9.91	2.00	0.00	1.00	0.00
14.29	10.19	2.00	0.00	1.00	0.00	14.31	10.04	2.00	0.00	1.00	0.00
14.33	10.04	2.00	0.00	1.00	0.00	14.35	10.05	2.00	0.00	1.00	0.00
14.36	10.15	2.00	0.00	1.00	0.00	14.38	10.09	2.00	0.00	1.00	0.00
14.40	10.08	2.00	0.00	1.00	0.00	14.42	10.08	2.00	0.00	1.00	0.00
14.44	10.08	2.00	0.00	1.00	0.00	14.46	10.32	2.00	0.00	1.00	0.00
14.48	10.54	2.00	0.00	1.00	0.00	14.50	10.93	2.00	0.00	1.00	0.00
14.52	11.61	2.00	0.00	1.00	0.00	14.54	13.42	2.00	0.00	1.00	0.00
14.56	16.16	2.00	0.00	1.00	0.00	14.58	18.06	2.00	0.00	1.00	0.00
14.60	18.25	2.00	0.00	1.00	0.00	14.62	18.20	2.00	0.00	1.00	0.00
14.64	17.85	2.00	0.00	1.00	0.00	14.66	17.79	2.00	0.00	1.00	0.00
14.68	17.77	2.00	0.00	1.00	0.00	14.70	17.75	2.00	0.00	1.00	0.00
14.72	17.73	2.00	0.00	1.00	0.00	14.74	17.72	2.00	0.00	1.00	0.00
14.76	17.72	2.00	0.00	1.00	0.00	14.78	17.77	2.00	0.00	1.00	0.00
14.80	17.88	2.00	0.00	1.00	0.00	14.82	19.64	2.00	0.00	1.00	0.00
14.84	19.79	2.00	0.00	1.00	0.00	14.86	20.15	2.00	0.00	1.00	0.00
14.88	20.48	2.00	0.00	1.00	0.00	14.90	20.30	2.00	0.00	1.00	0.00
14.92	20.48	2.00	0.00	1.00	0.00	14.94	20.67	2.00	0.00	1.00	0.00
14.96	20.85	2.00	0.00	1.00	0.00	14.98	20.85	2.00	0.00	1.00	0.00
15.00	21.12	2.00	0.00	1.00	0.00	15.02	21.28	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.04	21.42	2.00	0.00	1.00	0.00	15.06	21.31	2.00	0.00	1.00	0.00
15.08	21.45	2.00	0.00	1.00	0.00	15.10	21.36	2.00	0.00	1.00	0.00
15.12	21.31	2.00	0.00	1.00	0.00	15.14	21.29	2.00	0.00	1.00	0.00
15.16	21.27	2.00	0.00	1.00	0.00	15.18	21.26	2.00	0.00	1.00	0.00
15.20	21.25	2.00	0.00	1.00	0.00	15.22	21.29	2.00	0.00	1.00	0.00
15.24	21.44	2.00	0.00	1.00	0.00	15.26	21.43	2.00	0.00	1.00	0.00
15.28	21.56	2.00	0.00	1.00	0.00	15.30	21.69	2.00	0.00	1.00	0.00
15.32	22.75	2.00	0.00	1.00	0.00	15.34	23.59	2.00	0.00	1.00	0.00
15.36	23.19	2.00	0.00	1.00	0.00	15.38	21.41	2.00	0.00	1.00	0.00
15.40	20.34	2.00	0.00	1.00	0.00	15.42	18.85	2.00	0.00	1.00	0.00
15.44	17.86	2.00	0.00	1.00	0.00	15.46	17.80	2.00	0.00	1.00	0.00
15.48	17.79	2.00	0.00	1.00	0.00	15.50	17.79	2.00	0.00	1.00	0.00
15.52	17.82	2.00	0.00	1.00	0.00	15.54	18.00	2.00	0.00	1.00	0.00
15.56	18.97	2.00	0.00	1.00	0.00	15.58	19.21	2.00	0.00	1.00	0.00
15.60	19.80	2.00	0.00	1.00	0.00	15.61	20.78	2.00	0.00	1.00	0.00
15.63	21.76	2.00	0.00	1.00	0.00	15.65	22.72	2.00	0.00	1.00	0.00
15.67	22.80	2.00	0.00	1.00	0.00	15.69	22.22	2.00	0.00	1.00	0.00
15.71	21.92	2.00	0.00	1.00	0.00	15.73	21.76	2.00	0.00	1.00	0.00
15.75	21.69	2.00	0.00	1.00	0.00	15.77	21.67	2.00	0.00	1.00	0.00
15.79	21.65	2.00	0.00	1.00	0.00	15.81	21.69	2.00	0.00	1.00	0.00
15.83	21.73	2.00	0.00	1.00	0.00	15.85	21.86	2.00	0.00	1.00	0.00
15.87	22.15	2.00	0.00	1.00	0.00	15.89	22.16	2.00	0.00	1.00	0.00
15.91	23.14	2.00	0.00	1.00	0.00	15.93	23.28	2.00	0.00	1.00	0.00
15.95	23.68	2.00	0.00	1.00	0.00	15.97	23.77	2.00	0.00	1.00	0.00
15.99	23.13	2.00	0.00	1.00	0.00	16.01	22.95	2.00	0.00	1.00	0.00
16.03	22.76	2.00	0.00	1.00	0.00	16.05	22.83	2.00	0.00	1.00	0.00
16.07	22.68	2.00	0.00	1.00	0.00	16.09	22.66	2.00	0.00	1.00	0.00
16.11	22.64	2.00	0.00	1.00	0.00	16.13	22.67	2.00	0.00	1.00	0.00
16.15	22.69	2.00	0.00	1.00	0.00	16.17	23.82	2.00	0.00	1.00	0.00
16.19	24.95	2.00	0.00	1.00	0.00	16.21	26.12	2.00	0.00	1.00	0.00
16.23	26.42	2.00	0.00	1.00	0.00	16.25	25.69	2.00	0.00	1.00	0.00
16.27	25.38	2.00	0.00	1.00	0.00	16.29	25.28	2.00	0.00	1.00	0.00
16.31	25.17	2.00	0.00	1.00	0.00	16.33	25.37	2.00	0.00	1.00	0.00
16.35	25.07	2.00	0.00	1.00	0.00	16.37	24.71	2.00	0.00	1.00	0.00
16.39	23.92	2.00	0.00	1.00	0.00	16.41	22.19	2.00	0.00	1.00	0.00
16.43	21.86	2.00	0.00	1.00	0.00	16.45	21.61	2.00	0.00	1.00	0.00
16.47	21.18	2.00	0.00	1.00	0.00	16.49	20.60	2.00	0.00	1.00	0.00
16.51	19.70	2.00	0.00	1.00	0.00	16.53	18.65	2.00	0.00	1.00	0.00
16.55	18.13	2.00	0.00	1.00	0.00	16.57	17.96	2.00	0.00	1.00	0.00
16.59	17.90	2.00	0.00	1.00	0.00	16.61	17.69	2.00	0.00	1.00	0.00
16.63	17.22	2.00	0.00	1.00	0.00	16.65	16.99	2.00	0.00	1.00	0.00
16.67	16.88	2.00	0.00	1.00	0.00	16.68	16.99	2.00	0.00	1.00	0.00
16.70	17.10	2.00	0.00	1.00	0.00	16.72	17.35	2.00	0.00	1.00	0.00
16.74	17.86	2.00	0.00	1.00	0.00	16.76	17.84	2.00	0.00	1.00	0.00
16.78	17.64	2.00	0.00	1.00	0.00	16.80	16.97	2.00	0.00	1.00	0.00
16.82	16.96	2.00	0.00	1.00	0.00	16.84	16.95	2.00	0.00	1.00	0.00
16.86	17.00	2.00	0.00	1.00	0.00	16.88	17.13	2.00	0.00	1.00	0.00
16.90	17.40	2.00	0.00	1.00	0.00	16.92	17.62	2.00	0.00	1.00	0.00
16.94	18.05	2.00	0.00	1.00	0.00	16.96	18.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.98	18.41	2.00	0.00	1.00	0.00	17.00	18.41	2.00	0.00	1.00	0.00
17.02	18.30	2.00	0.00	1.00	0.00	17.04	18.33	2.00	0.00	1.00	0.00
17.06	17.28	2.00	0.00	1.00	0.00	17.08	16.23	2.00	0.00	1.00	0.00
17.10	15.19	2.00	0.00	1.00	0.00	17.12	14.57	2.00	0.00	1.00	0.00
17.14	14.50	2.00	0.00	1.00	0.00	17.16	14.48	2.00	0.00	1.00	0.00
17.18	14.47	2.00	0.00	1.00	0.00	17.20	14.48	2.00	0.00	1.00	0.00
17.22	14.49	2.00	0.00	1.00	0.00	17.24	14.58	2.00	0.00	1.00	0.00
17.26	14.89	2.00	0.00	1.00	0.00	17.28	15.40	2.00	0.00	1.00	0.00
17.30	15.63	2.00	0.00	1.00	0.00	17.32	15.81	2.00	0.00	1.00	0.00
17.34	15.89	2.00	0.00	1.00	0.00	17.36	16.34	2.00	0.00	1.00	0.00
17.38	15.86	2.00	0.00	1.00	0.00	17.40	14.63	2.00	0.00	1.00	0.00
17.42	13.67	2.00	0.00	1.00	0.00	17.44	13.03	2.00	0.00	1.00	0.00
17.46	12.50	2.00	0.00	1.00	0.00	17.48	12.36	2.00	0.00	1.00	0.00
17.50	11.94	2.00	0.00	1.00	0.00	17.52	11.57	2.00	0.00	1.00	0.00
17.54	11.19	2.00	0.00	1.00	0.00	17.56	10.78	2.00	0.00	1.00	0.00
17.58	10.44	2.00	0.00	1.00	0.00	17.60	9.92	2.00	0.00	1.00	0.00
17.62	9.33	2.00	0.00	1.00	0.00	17.63	8.79	2.00	0.00	1.00	0.00
17.65	8.53	2.00	0.00	1.00	0.00	17.67	8.52	2.00	0.00	1.00	0.00
17.69	8.52	2.00	0.00	1.00	0.00	17.71	8.52	2.00	0.00	1.00	0.00
17.73	8.63	2.00	0.00	1.00	0.00	17.75	8.83	2.00	0.00	1.00	0.00
17.77	9.50	2.00	0.00	1.00	0.00	17.79	10.69	2.00	0.00	1.00	0.00
17.81	11.42	2.00	0.00	1.00	0.00	17.83	11.37	2.00	0.00	1.00	0.00
17.85	11.14	2.00	0.00	1.00	0.00	17.87	11.10	2.00	0.00	1.00	0.00
17.89	11.02	2.00	0.00	1.00	0.00	17.91	11.03	2.00	0.00	1.00	0.00
17.93	10.99	2.00	0.00	1.00	0.00	17.95	10.71	2.00	0.00	1.00	0.00
17.97	10.42	2.00	0.00	1.00	0.00	17.99	10.05	2.00	0.00	1.00	0.00
18.01	9.65	2.00	0.00	1.00	0.00	18.03	9.37	2.00	0.00	1.00	0.00
18.05	8.95	2.00	0.00	1.00	0.00	18.07	8.89	2.00	0.00	1.00	0.00
18.09	8.85	2.00	0.00	1.00	0.00	18.11	8.56	2.00	0.00	1.00	0.00
18.13	8.41	2.00	0.00	1.00	0.00	18.15	8.03	2.00	0.00	1.00	0.00
18.17	7.95	2.00	0.00	1.00	0.00	18.19	7.98	2.00	0.00	1.00	0.00
18.21	7.86	2.00	0.00	1.00	0.00	18.23	7.78	2.00	0.00	1.00	0.00
18.25	7.62	2.00	0.00	1.00	0.00	18.27	7.58	2.00	0.00	1.00	0.00
18.29	7.51	2.00	0.00	1.00	0.00	18.31	7.45	2.00	0.00	1.00	0.00
18.33	7.52	2.00	0.00	1.00	0.00	18.35	7.41	2.00	0.00	1.00	0.00
18.37	7.45	2.00	0.00	1.00	0.00	18.39	7.39	2.00	0.00	1.00	0.00
18.41	7.35	2.00	0.00	1.00	0.00	18.43	7.35	2.00	0.00	1.00	0.00
18.45	7.35	2.00	0.00	1.00	0.00	18.47	7.34	2.00	0.00	1.00	0.00
18.49	7.36	2.00	0.00	1.00	0.00	18.50	7.44	2.00	0.00	1.00	0.00
18.52	7.53	2.00	0.00	1.00	0.00	18.54	7.49	2.00	0.00	1.00	0.00
18.56	7.50	2.00	0.00	1.00	0.00	18.58	7.50	2.00	0.00	1.00	0.00
18.60	7.53	2.00	0.00	1.00	0.00	18.62	7.60	2.00	0.00	1.00	0.00
18.64	7.75	2.00	0.00	1.00	0.00	18.66	8.02	2.00	0.00	1.00	0.00
18.68	8.19	2.00	0.00	1.00	0.00	18.70	7.89	2.00	0.00	1.00	0.00
18.72	7.64	2.00	0.00	1.00	0.00	18.74	7.07	2.00	0.00	1.00	0.00
18.76	7.07	2.00	0.00	1.00	0.00	18.78	7.06	2.00	0.00	1.00	0.00
18.80	7.07	2.00	0.00	1.00	0.00	18.82	7.08	2.00	0.00	1.00	0.00
18.84	7.29	2.00	0.00	1.00	0.00	18.86	9.16	2.00	0.00	1.00	0.00
18.88	8.13	2.00	0.00	1.00	0.00	18.90	8.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.92	8.64	2.00	0.00	1.00	0.00	18.94	8.97	2.00	0.00	1.00	0.00
18.96	9.32	2.00	0.00	1.00	0.00	18.98	9.23	2.00	0.00	1.00	0.00
19.00	9.08	2.00	0.00	1.00	0.00	19.02	8.87	2.00	0.00	1.00	0.00
19.04	8.82	2.00	0.00	1.00	0.00	19.06	8.77	2.00	0.00	1.00	0.00
19.08	8.73	2.00	0.00	1.00	0.00	19.10	8.73	2.00	0.00	1.00	0.00
19.12	8.72	2.00	0.00	1.00	0.00	19.14	8.72	2.00	0.00	1.00	0.00
19.16	8.76	2.00	0.00	1.00	0.00	19.18	8.86	2.00	0.00	1.00	0.00
19.20	8.89	2.00	0.00	1.00	0.00	19.22	8.73	2.00	0.00	1.00	0.00
19.24	8.69	2.00	0.00	1.00	0.00	19.26	8.69	2.00	0.00	1.00	0.00
19.28	8.69	2.00	0.00	1.00	0.00	19.30	8.70	2.00	0.00	1.00	0.00
19.31	8.70	2.00	0.00	1.00	0.00	19.33	8.76	2.00	0.00	1.00	0.00
19.35	9.24	2.00	0.00	1.00	0.00	19.37	9.48	2.00	0.00	1.00	0.00
19.39	9.30	2.00	0.00	1.00	0.00	19.41	8.88	2.00	0.00	1.00	0.00
19.43	8.61	2.00	0.00	1.00	0.00	19.45	8.57	2.00	0.00	1.00	0.00
19.47	8.42	2.00	0.00	1.00	0.00	19.49	8.02	2.00	0.00	1.00	0.00
19.51	7.58	2.00	0.00	1.00	0.00	19.53	7.03	2.00	0.00	1.00	0.00
19.55	6.87	2.00	0.00	1.00	0.00	19.57	6.79	2.00	0.00	1.00	0.00
19.59	6.80	2.00	0.00	1.00	0.00	19.61	6.80	2.00	0.00	1.00	0.00
19.63	6.83	2.00	0.00	1.00	0.00	19.65	7.00	2.00	0.00	1.00	0.00
19.67	7.66	2.00	0.00	1.00	0.00	19.69	8.16	2.00	0.00	1.00	0.00
19.71	8.43	2.00	0.00	1.00	0.00	19.73	8.83	2.00	0.00	1.00	0.00
19.75	9.29	2.00	0.00	1.00	0.00	19.77	9.62	2.00	0.00	1.00	0.00
19.79	10.00	2.00	0.00	1.00	0.00	19.81	10.43	2.00	0.00	1.00	0.00
19.83	11.00	2.00	0.00	1.00	0.00	19.85	11.56	2.00	0.00	1.00	0.00
19.87	12.05	2.00	0.00	1.00	0.00	19.89	12.39	2.00	0.00	1.00	0.00

Total estimated settlement: 0.80

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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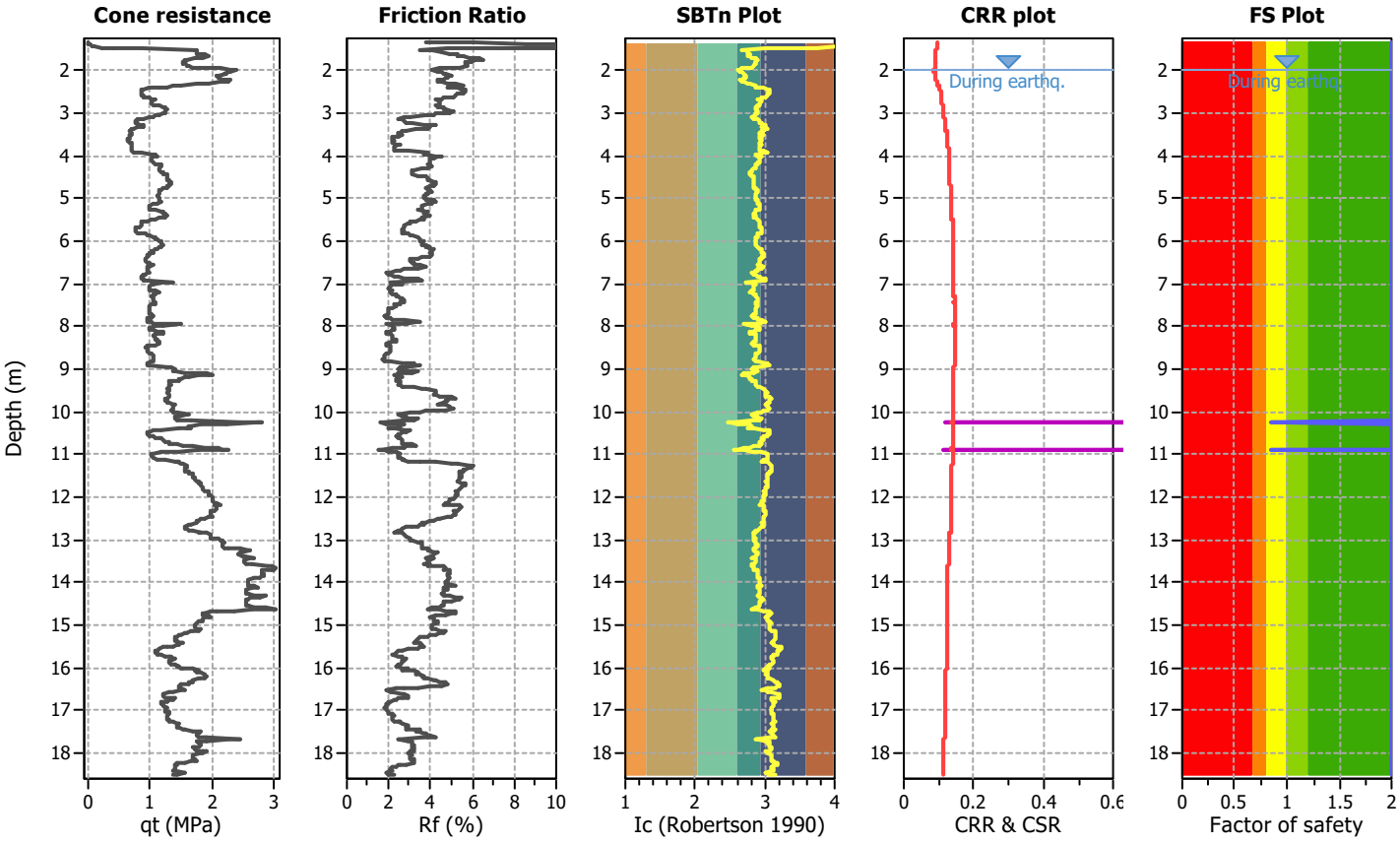
LIQUEFACTION ANALYSIS REPORT

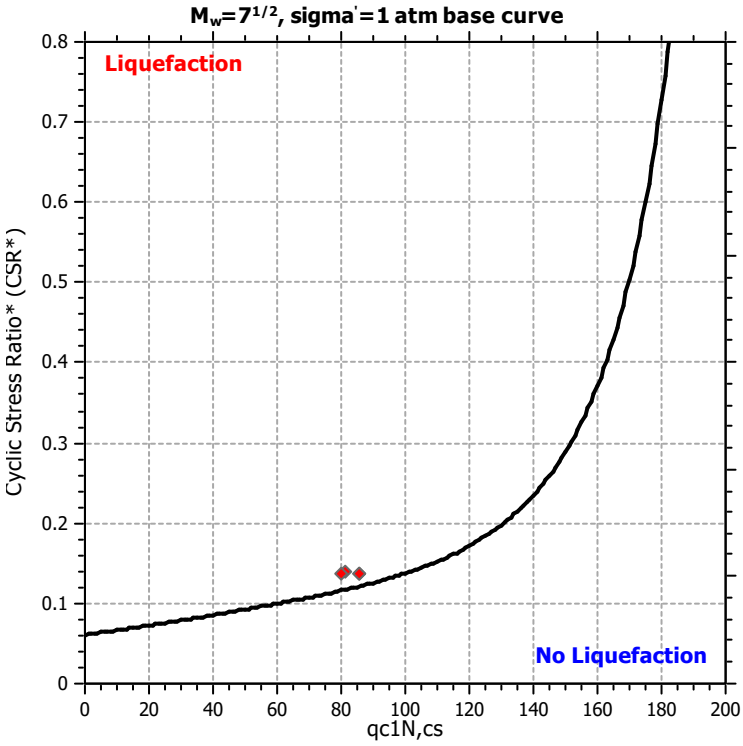
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

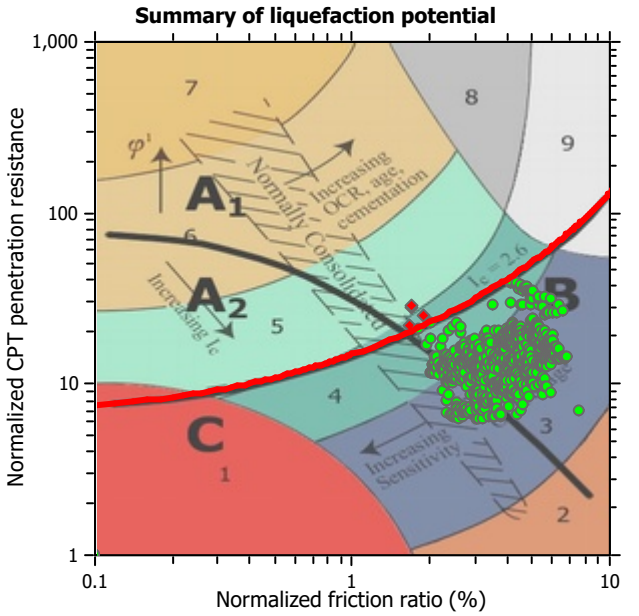
CPT file : P317 - CPTu-23

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

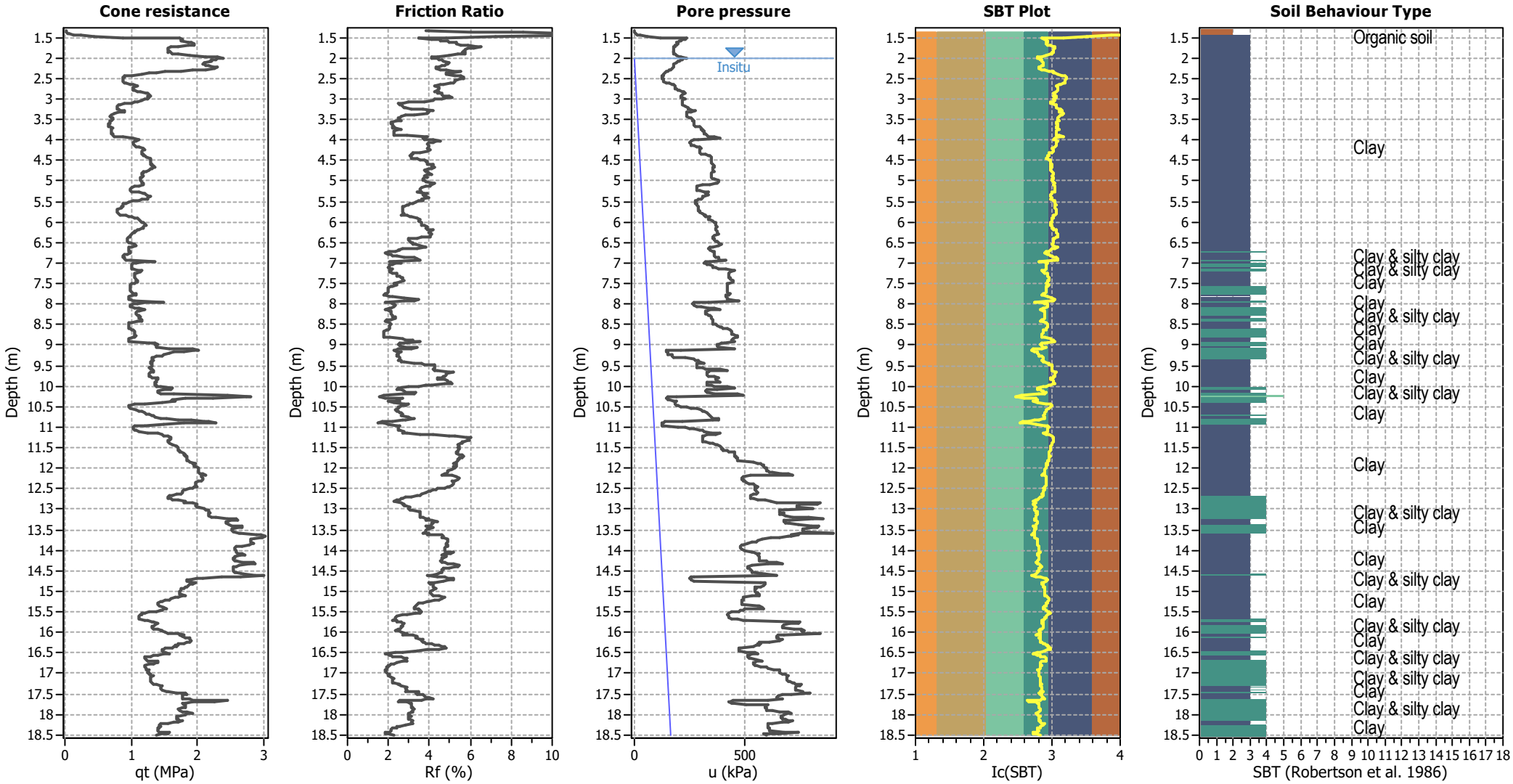






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



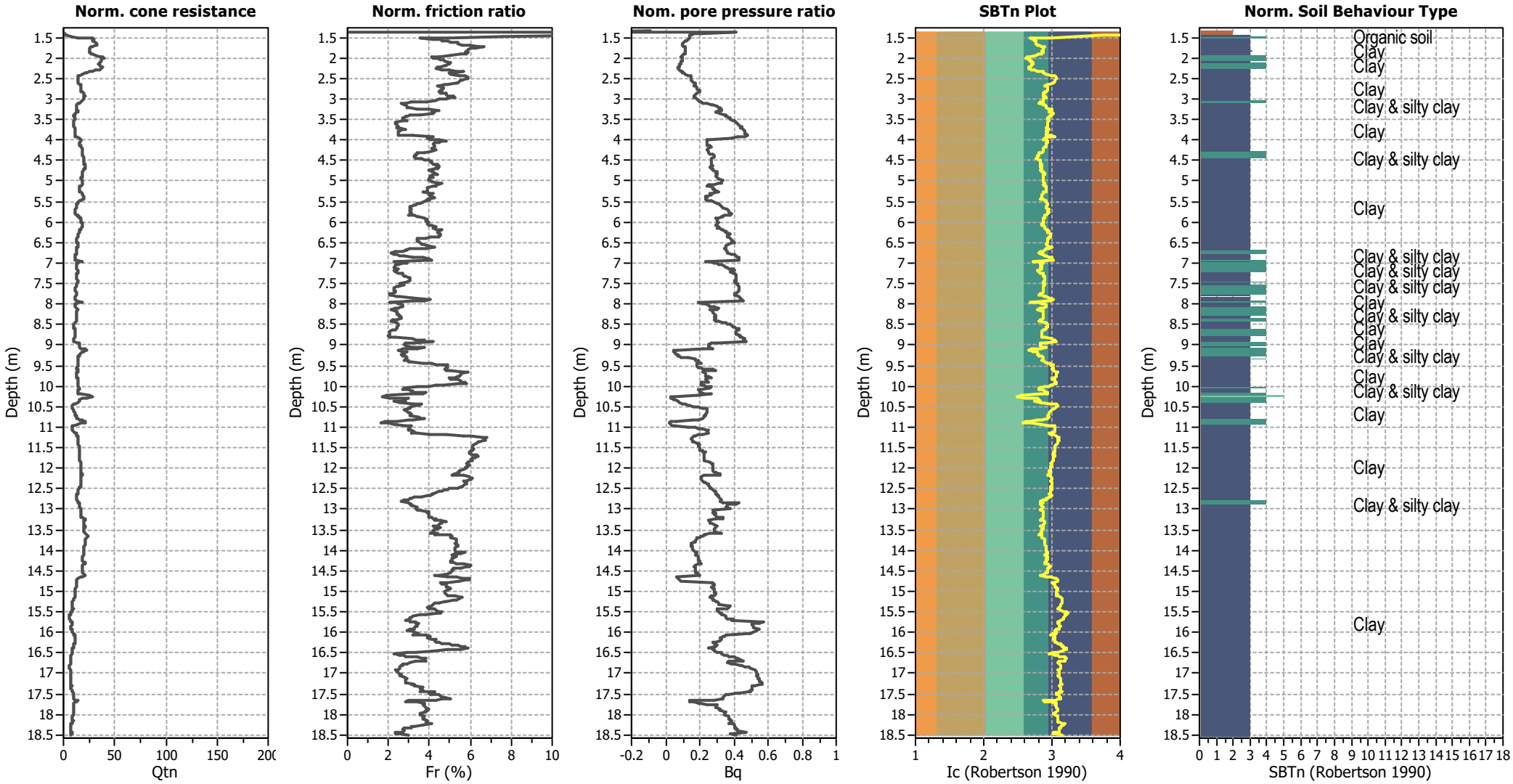
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



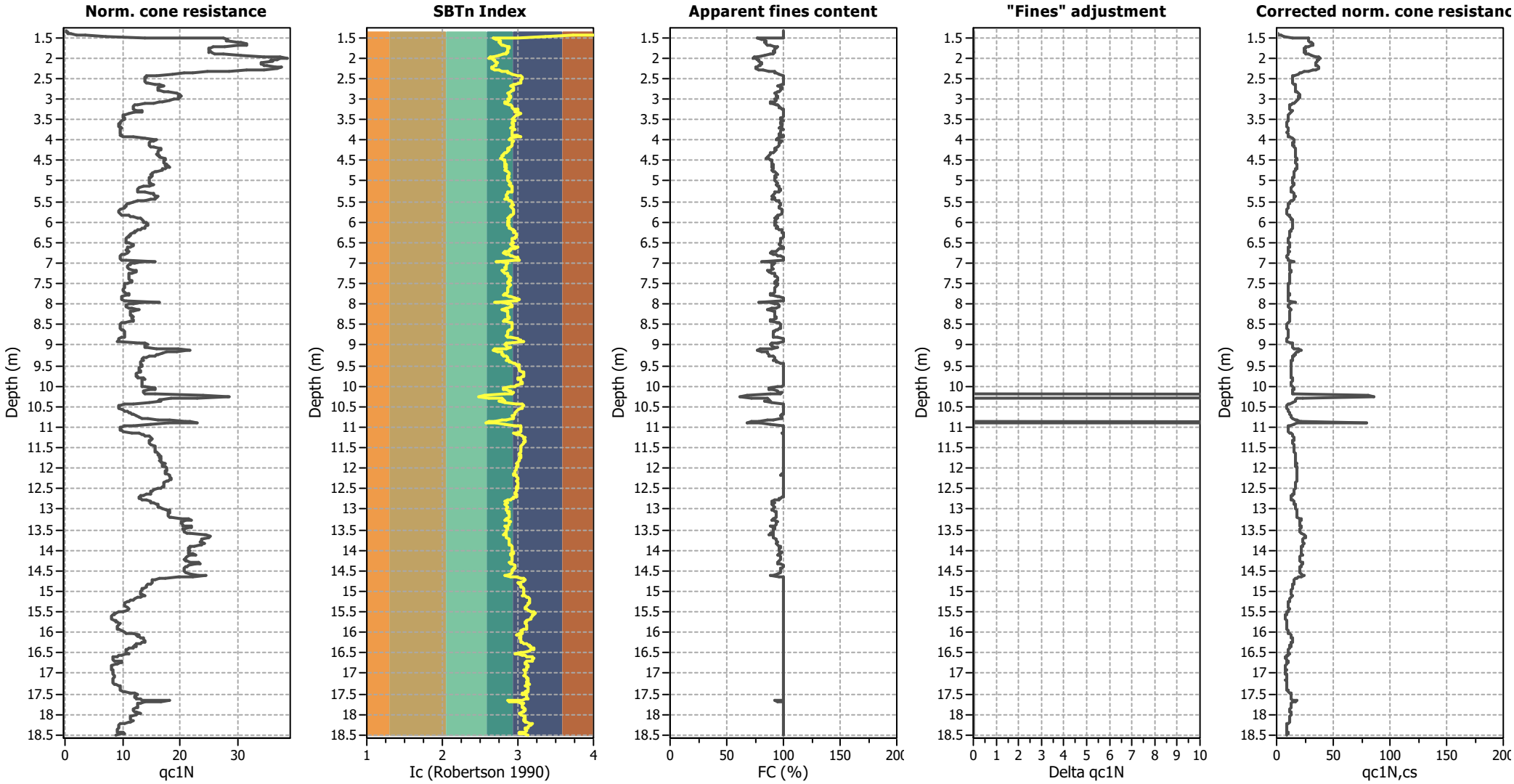
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

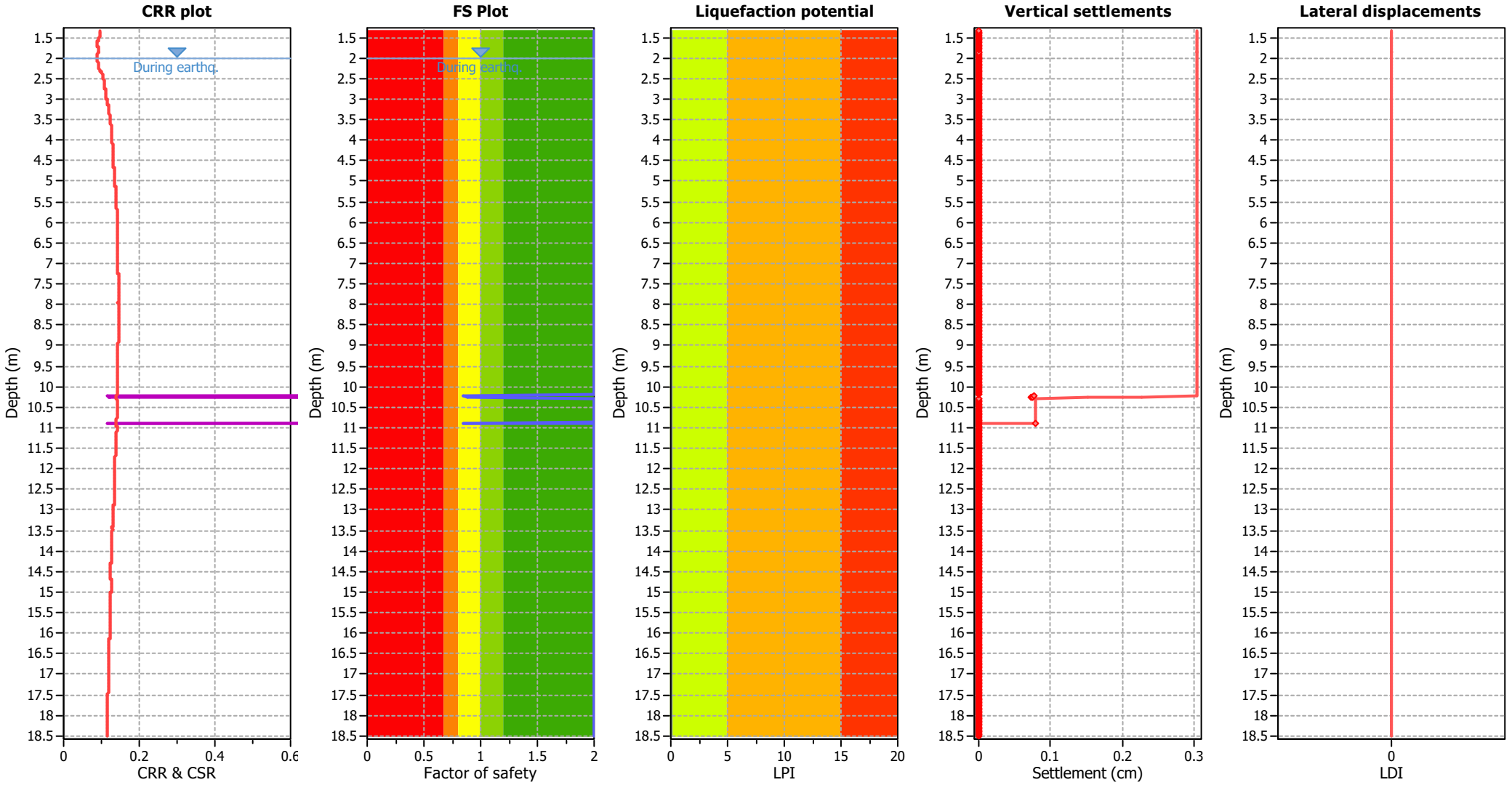
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

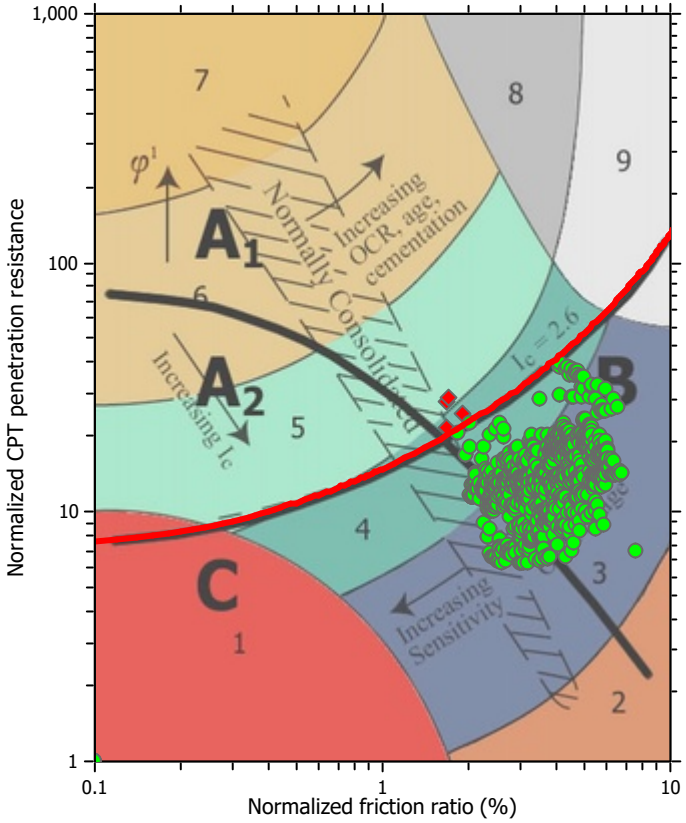
F.S. color scheme

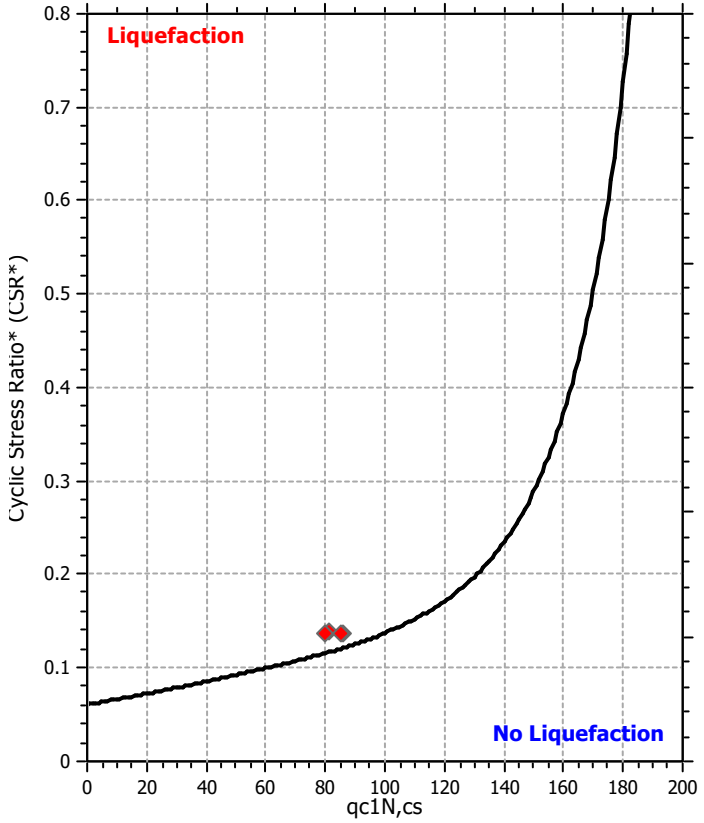
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

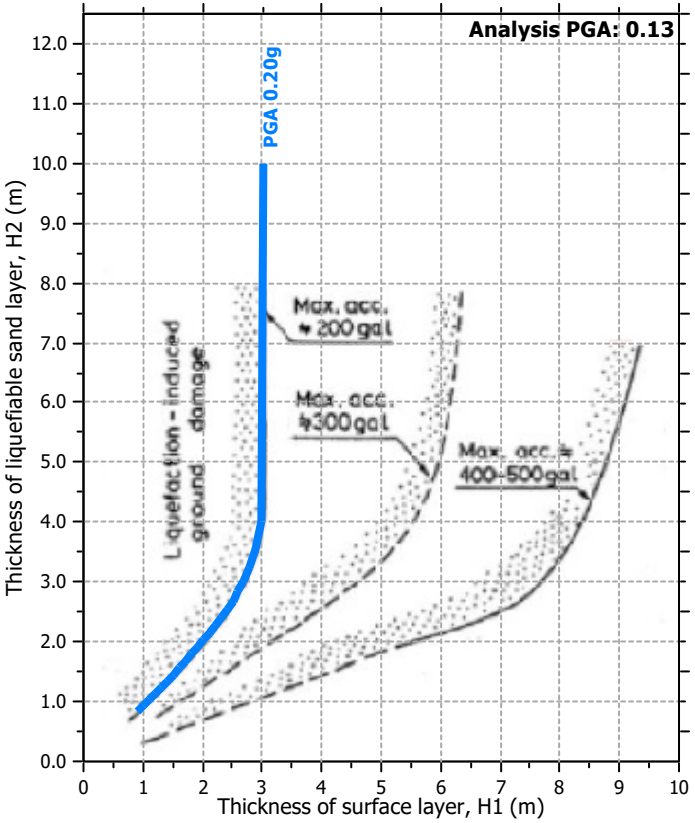
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



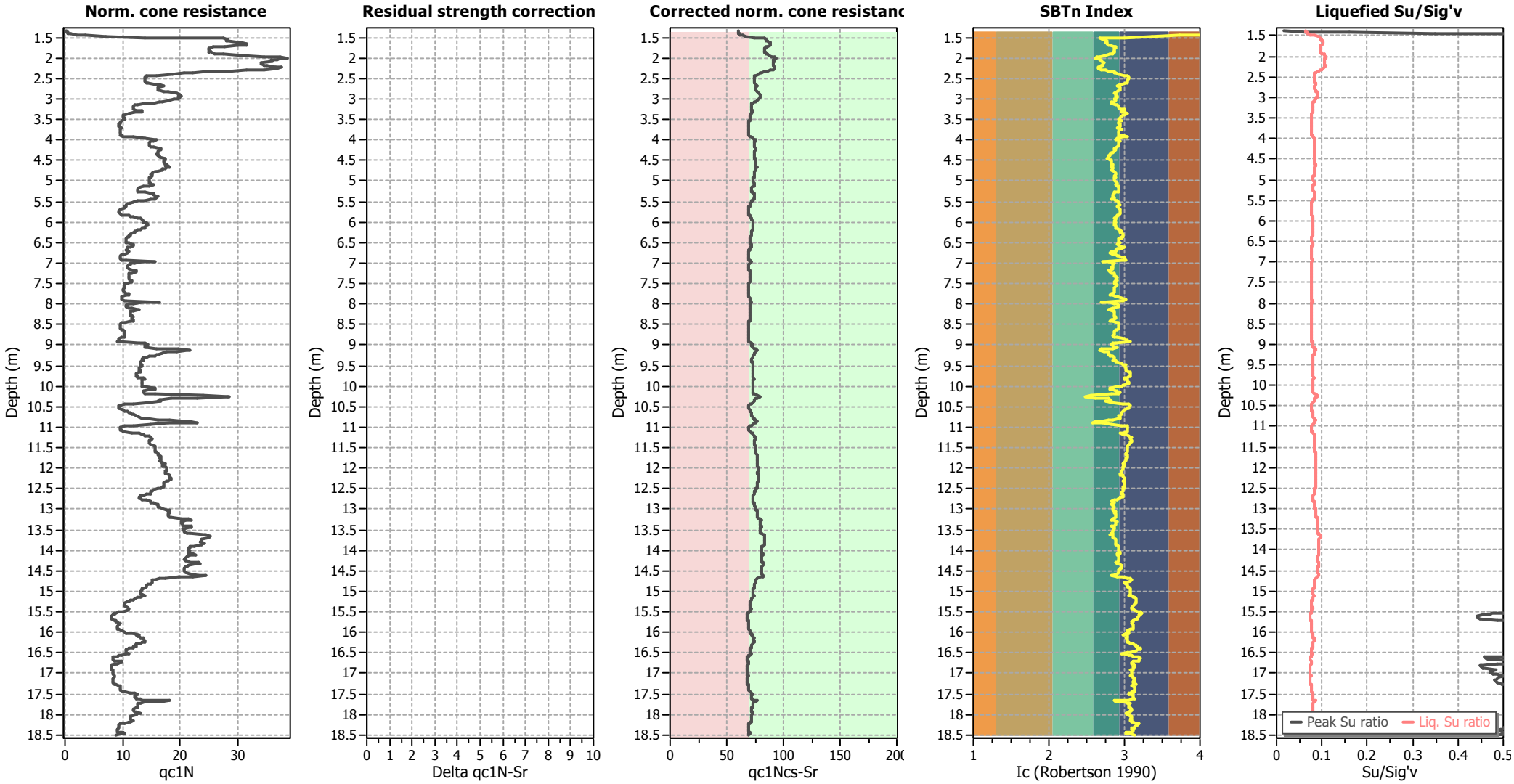




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	2.00	0.00	0.00	0.02	0.00	2.04	2.00	0.00	0.00	0.02	0.00
2.06	2.00	0.00	0.00	0.02	0.00	2.08	2.00	0.00	0.00	0.02	0.00
2.10	2.00	0.00	0.00	0.02	0.00	2.12	2.00	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	2.00	0.00	0.00	0.02	0.00	2.44	2.00	0.00	0.00	0.02	0.00
2.46	2.00	0.00	0.00	0.02	0.00	2.48	2.00	0.00	0.00	0.02	0.00
2.50	2.00	0.00	0.00	0.02	0.00	2.52	2.00	0.00	0.00	0.02	0.00
2.54	2.00	0.00	0.00	0.02	0.00	2.56	2.00	0.00	0.00	0.02	0.00
2.58	2.00	0.00	0.00	0.02	0.00	2.60	2.00	0.00	0.00	0.02	0.00
2.62	2.00	0.00	0.00	0.02	0.00	2.64	2.00	0.00	0.00	0.02	0.00
2.66	2.00	0.00	0.00	0.02	0.00	2.68	2.00	0.00	0.00	0.02	0.00
2.70	2.00	0.00	0.00	0.02	0.00	2.72	2.00	0.00	0.00	0.02	0.00
2.74	2.00	0.00	0.00	0.02	0.00	2.76	2.00	0.00	0.00	0.02	0.00
2.78	2.00	0.00	0.00	0.02	0.00	2.80	2.00	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	2.00	0.00	0.00	0.02	0.00
3.14	2.00	0.00	0.00	0.02	0.00	3.16	2.00	0.00	0.00	0.02	0.00
3.18	2.00	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.59	2.00	0.00	0.00	0.03	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.19	2.00	0.00	0.00	0.03	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.69	2.00	0.00	0.00	0.02	0.00	6.71	2.00	0.00	0.00	0.02	0.00
6.73	2.00	0.00	0.00	0.02	0.00	6.75	2.00	0.00	0.00	0.02	0.00
6.77	2.00	0.00	0.00	0.02	0.00	6.79	2.00	0.00	0.00	0.02	0.00
6.81	2.00	0.00	0.00	0.02	0.00	6.83	2.00	0.00	0.00	0.02	0.00
6.85	2.00	0.00	0.00	0.02	0.00	6.87	2.00	0.00	0.00	0.02	0.00
6.89	2.00	0.00	0.00	0.02	0.00	6.91	2.00	0.00	0.00	0.02	0.00
6.93	2.00	0.00	0.00	0.02	0.00	6.95	2.00	0.00	0.00	0.02	0.00
6.97	2.00	0.00	0.00	0.02	0.00	6.99	2.00	0.00	0.00	0.02	0.00
7.01	2.00	0.00	0.00	0.02	0.00	7.03	2.00	0.00	0.00	0.02	0.00
7.05	2.00	0.00	0.00	0.02	0.00	7.07	2.00	0.00	0.00	0.02	0.00
7.09	2.00	0.00	0.00	0.02	0.00	7.11	2.00	0.00	0.00	0.02	0.00
7.13	2.00	0.00	0.00	0.02	0.00	7.15	2.00	0.00	0.00	0.02	0.00
7.17	2.00	0.00	0.00	0.02	0.00	7.19	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
7.21	2.00	0.00	0.00	0.02	0.00	7.23	2.00	0.00	0.00	0.02	0.00
7.25	2.00	0.00	0.00	0.02	0.00	7.27	2.00	0.00	0.00	0.02	0.00
7.29	2.00	0.00	0.00	0.02	0.00	7.31	2.00	0.00	0.00	0.02	0.00
7.33	2.00	0.00	0.00	0.02	0.00	7.35	2.00	0.00	0.00	0.02	0.00
7.37	2.00	0.00	0.00	0.02	0.00	7.39	2.00	0.00	0.00	0.02	0.00
7.41	2.00	0.00	0.00	0.02	0.00	7.43	2.00	0.00	0.00	0.02	0.00
7.45	2.00	0.00	0.00	0.02	0.00	7.47	2.00	0.00	0.00	0.02	0.00
7.49	2.00	0.00	0.00	0.02	0.00	7.51	2.00	0.00	0.00	0.02	0.00
7.53	2.00	0.00	0.00	0.02	0.00	7.55	2.00	0.00	0.00	0.02	0.00
7.57	2.00	0.00	0.00	0.02	0.00	7.59	2.00	0.00	0.00	0.02	0.00
7.61	2.00	0.00	0.00	0.02	0.00	7.63	2.00	0.00	0.00	0.02	0.00
7.65	2.00	0.00	0.00	0.02	0.00	7.67	2.00	0.00	0.00	0.02	0.00
7.69	2.00	0.00	0.00	0.02	0.00	7.71	2.00	0.00	0.00	0.02	0.00
7.73	2.00	0.00	0.00	0.02	0.00	7.75	2.00	0.00	0.00	0.02	0.00
7.77	2.00	0.00	0.00	0.02	0.00	7.79	2.00	0.00	0.00	0.02	0.00
7.81	2.00	0.00	0.00	0.02	0.00	7.83	2.00	0.00	0.00	0.02	0.00
7.85	2.00	0.00	0.00	0.02	0.00	7.87	2.00	0.00	0.00	0.02	0.00
7.89	2.00	0.00	0.00	0.02	0.00	7.91	2.00	0.00	0.00	0.02	0.00
7.93	2.00	0.00	0.00	0.02	0.00	7.95	2.00	0.00	0.00	0.02	0.00
7.97	2.00	0.00	0.00	0.02	0.00	7.99	2.00	0.00	0.00	0.02	0.00
8.01	2.00	0.00	0.00	0.02	0.00	8.03	2.00	0.00	0.00	0.02	0.00
8.05	2.00	0.00	0.00	0.02	0.00	8.07	2.00	0.00	0.00	0.02	0.00
8.09	2.00	0.00	0.00	0.02	0.00	8.11	2.00	0.00	0.00	0.02	0.00
8.13	2.00	0.00	0.00	0.02	0.00	8.15	2.00	0.00	0.00	0.02	0.00
8.17	2.00	0.00	0.00	0.02	0.00	8.19	2.00	0.00	0.00	0.02	0.00
8.21	2.00	0.00	0.00	0.02	0.00	8.23	2.00	0.00	0.00	0.02	0.00
8.25	2.00	0.00	0.00	0.02	0.00	8.27	2.00	0.00	0.00	0.02	0.00
8.29	2.00	0.00	0.00	0.02	0.00	8.31	2.00	0.00	0.00	0.02	0.00
8.33	2.00	0.00	0.00	0.02	0.00	8.35	2.00	0.00	0.00	0.02	0.00
8.37	2.00	0.00	0.00	0.02	0.00	8.39	2.00	0.00	0.00	0.02	0.00
8.41	2.00	0.00	0.00	0.02	0.00	8.43	2.00	0.00	0.00	0.02	0.00
8.45	2.00	0.00	0.00	0.02	0.00	8.47	2.00	0.00	0.00	0.02	0.00
8.48	2.00	0.00	0.00	0.02	0.00	8.50	2.00	0.00	0.00	0.02	0.00
8.52	2.00	0.00	0.00	0.02	0.00	8.54	2.00	0.00	0.00	0.02	0.00
8.56	2.00	0.00	0.00	0.02	0.00	8.58	2.00	0.00	0.00	0.02	0.00
8.60	2.00	0.00	0.00	0.02	0.00	8.62	2.00	0.00	0.00	0.02	0.00
8.64	2.00	0.00	0.00	0.02	0.00	8.66	2.00	0.00	0.00	0.02	0.00
8.68	2.00	0.00	0.00	0.02	0.00	8.70	2.00	0.00	0.00	0.02	0.00
8.72	2.00	0.00	0.00	0.02	0.00	8.74	2.00	0.00	0.00	0.02	0.00
8.76	2.00	0.00	0.00	0.02	0.00	8.78	2.00	0.00	0.00	0.02	0.00
8.80	2.00	0.00	0.00	0.02	0.00	8.82	2.00	0.00	0.00	0.02	0.00
8.84	2.00	0.00	0.00	0.02	0.00	8.86	2.00	0.00	0.00	0.02	0.00
8.88	2.00	0.00	0.00	0.02	0.00	8.90	2.00	0.00	0.00	0.02	0.00
8.92	2.00	0.00	0.00	0.02	0.00	8.94	2.00	0.00	0.00	0.02	0.00
8.96	2.00	0.00	0.00	0.02	0.00	8.98	2.00	0.00	0.00	0.02	0.00
9.00	2.00	0.00	0.00	0.02	0.00	9.02	2.00	0.00	0.00	0.02	0.00
9.04	2.00	0.00	0.00	0.02	0.00	9.06	2.00	0.00	0.00	0.02	0.00
9.08	2.00	0.00	0.00	0.02	0.00	9.10	2.00	0.00	0.00	0.02	0.00
9.12	2.00	0.00	0.00	0.02	0.00	9.14	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
9.16	2.00	0.00	0.00	0.02	0.00	9.18	2.00	0.00	0.00	0.02	0.00
9.20	2.00	0.00	0.00	0.02	0.00	9.22	2.00	0.00	0.00	0.02	0.00
9.24	2.00	0.00	0.00	0.02	0.00	9.26	2.00	0.00	0.00	0.02	0.00
9.28	2.00	0.00	0.00	0.02	0.00	9.30	2.00	0.00	0.00	0.02	0.00
9.32	2.00	0.00	0.00	0.02	0.00	9.34	2.00	0.00	0.00	0.02	0.00
9.36	2.00	0.00	0.00	0.02	0.00	9.38	2.00	0.00	0.00	0.02	0.00
9.40	2.00	0.00	0.00	0.02	0.00	9.42	2.00	0.00	0.00	0.02	0.00
9.44	2.00	0.00	0.00	0.02	0.00	9.46	2.00	0.00	0.00	0.02	0.00
9.47	2.00	0.00	0.00	0.02	0.00	9.49	2.00	0.00	0.00	0.02	0.00
9.51	2.00	0.00	0.00	0.02	0.00	9.53	2.00	0.00	0.00	0.02	0.00
9.55	2.00	0.00	0.00	0.02	0.00	9.57	2.00	0.00	0.00	0.02	0.00
9.59	2.00	0.00	0.00	0.02	0.00	9.61	2.00	0.00	0.00	0.02	0.00
9.63	2.00	0.00	0.00	0.02	0.00	9.65	2.00	0.00	0.00	0.02	0.00
9.67	2.00	0.00	0.00	0.02	0.00	9.69	2.00	0.00	0.00	0.02	0.00
9.71	2.00	0.00	0.00	0.02	0.00	9.73	2.00	0.00	0.00	0.02	0.00
9.75	2.00	0.00	0.00	0.02	0.00	9.77	2.00	0.00	0.00	0.02	0.00
9.79	2.00	0.00	0.00	0.02	0.00	9.81	2.00	0.00	0.00	0.02	0.00
9.83	2.00	0.00	0.00	0.02	0.00	9.85	2.00	0.00	0.00	0.02	0.00
9.87	2.00	0.00	0.00	0.02	0.00	9.89	2.00	0.00	0.00	0.02	0.00
9.91	2.00	0.00	0.00	0.02	0.00	9.93	2.00	0.00	0.00	0.02	0.00
9.95	2.00	0.00	0.00	0.02	0.00	9.97	2.00	0.00	0.00	0.02	0.00
9.99	2.00	0.00	0.00	0.02	0.00	10.01	2.00	0.00	0.00	0.02	0.00
10.03	2.00	0.00	0.00	0.02	0.00	10.05	2.00	0.00	0.00	0.02	0.00
10.07	2.00	0.00	0.00	0.02	0.00	10.09	2.00	0.00	0.00	0.02	0.00
10.11	2.00	0.00	0.00	0.02	0.00	10.13	2.00	0.00	0.00	0.02	0.00
10.15	2.00	0.00	0.00	0.02	0.00	10.17	2.00	0.00	0.00	0.02	0.00
10.18	2.00	0.00	0.00	0.02	0.00	10.20	2.00	0.00	0.00	0.02	0.00
10.22	0.84	0.16	2.46	0.02	0.02	10.24	0.88	0.12	4.39	0.02	0.01
10.26	0.88	0.12	4.11	0.02	0.01	10.28	2.00	0.00	0.00	0.02	0.00
10.30	2.00	0.00	0.00	0.02	0.00	10.32	2.00	0.00	0.00	0.02	0.00
10.34	2.00	0.00	0.00	0.02	0.00	10.36	2.00	0.00	0.00	0.02	0.00
10.38	2.00	0.00	0.00	0.02	0.00	10.40	2.00	0.00	0.00	0.02	0.00
10.42	2.00	0.00	0.00	0.02	0.00	10.44	2.00	0.00	0.00	0.02	0.00
10.46	2.00	0.00	0.00	0.02	0.00	10.48	2.00	0.00	0.00	0.02	0.00
10.50	2.00	0.00	0.00	0.02	0.00	10.52	2.00	0.00	0.00	0.02	0.00
10.54	2.00	0.00	0.00	0.02	0.00	10.56	2.00	0.00	0.00	0.02	0.00
10.58	2.00	0.00	0.00	0.02	0.00	10.60	2.00	0.00	0.00	0.02	0.00
10.62	2.00	0.00	0.00	0.02	0.00	10.64	2.00	0.00	0.00	0.02	0.00
10.66	2.00	0.00	0.00	0.02	0.00	10.68	2.00	0.00	0.00	0.02	0.00
10.70	2.00	0.00	0.00	0.02	0.00	10.72	2.00	0.00	0.00	0.02	0.00
10.74	2.00	0.00	0.00	0.02	0.00	10.75	2.00	0.00	0.00	0.02	0.00
10.77	2.00	0.00	0.00	0.02	0.00	10.79	2.00	0.00	0.00	0.02	0.00
10.81	2.00	0.00	0.00	0.02	0.00	10.83	2.00	0.00	0.00	0.02	0.00
10.85	2.00	0.00	0.00	0.02	0.00	10.87	2.00	0.00	0.00	0.02	0.00
10.89	0.84	0.16	2.42	0.02	0.01	10.91	2.00	0.00	0.00	0.02	0.00
10.93	2.00	0.00	0.00	0.02	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.02	0.00	10.99	2.00	0.00	0.00	0.02	0.00
11.01	2.00	0.00	0.00	0.02	0.00	11.03	2.00	0.00	0.00	0.02	0.00
11.05	2.00	0.00	0.00	0.02	0.00	11.07	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
11.09	2.00	0.00	0.00	0.02	0.00	11.11	2.00	0.00	0.00	0.02	0.00
11.13	2.00	0.00	0.00	0.02	0.00	11.15	2.00	0.00	0.00	0.02	0.00
11.17	2.00	0.00	0.00	0.02	0.00	11.19	2.00	0.00	0.00	0.02	0.00
11.21	2.00	0.00	0.00	0.02	0.00	11.23	2.00	0.00	0.00	0.02	0.00
11.25	2.00	0.00	0.00	0.02	0.00	11.26	2.00	0.00	0.00	0.02	0.00
11.28	2.00	0.00	0.00	0.02	0.00	11.30	2.00	0.00	0.00	0.02	0.00
11.32	2.00	0.00	0.00	0.02	0.00	11.34	2.00	0.00	0.00	0.02	0.00
11.36	2.00	0.00	0.00	0.02	0.00	11.38	2.00	0.00	0.00	0.02	0.00
11.40	2.00	0.00	0.00	0.02	0.00	11.42	2.00	0.00	0.00	0.02	0.00
11.44	2.00	0.00	0.00	0.02	0.00	11.46	2.00	0.00	0.00	0.02	0.00
11.48	2.00	0.00	0.00	0.02	0.00	11.50	2.00	0.00	0.00	0.02	0.00
11.52	2.00	0.00	0.00	0.02	0.00	11.54	2.00	0.00	0.00	0.02	0.00
11.56	2.00	0.00	0.00	0.02	0.00	11.58	2.00	0.00	0.00	0.02	0.00
11.60	2.00	0.00	0.00	0.02	0.00	11.62	2.00	0.00	0.00	0.02	0.00
11.64	2.00	0.00	0.00	0.02	0.00	11.66	2.00	0.00	0.00	0.02	0.00
11.68	2.00	0.00	0.00	0.02	0.00	11.70	2.00	0.00	0.00	0.02	0.00
11.72	2.00	0.00	0.00	0.02	0.00	11.73	2.00	0.00	0.00	0.02	0.00
11.75	2.00	0.00	0.00	0.02	0.00	11.77	2.00	0.00	0.00	0.02	0.00
11.79	2.00	0.00	0.00	0.02	0.00	11.81	2.00	0.00	0.00	0.02	0.00
11.83	2.00	0.00	0.00	0.02	0.00	11.85	2.00	0.00	0.00	0.02	0.00
11.87	2.00	0.00	0.00	0.02	0.00	11.89	2.00	0.00	0.00	0.02	0.00
11.91	2.00	0.00	0.00	0.02	0.00	11.93	2.00	0.00	0.00	0.02	0.00
11.95	2.00	0.00	0.00	0.02	0.00	11.97	2.00	0.00	0.00	0.02	0.00
11.99	2.00	0.00	0.00	0.02	0.00	12.01	2.00	0.00	0.00	0.02	0.00
12.03	2.00	0.00	0.00	0.02	0.00	12.05	2.00	0.00	0.00	0.02	0.00
12.07	2.00	0.00	0.00	0.02	0.00	12.09	2.00	0.00	0.00	0.02	0.00
12.11	2.00	0.00	0.00	0.02	0.00	12.13	2.00	0.00	0.00	0.02	0.00
12.15	2.00	0.00	0.00	0.02	0.00	12.16	2.00	0.00	0.00	0.02	0.00
12.18	2.00	0.00	0.00	0.02	0.00	12.20	2.00	0.00	0.00	0.02	0.00
12.22	2.00	0.00	0.00	0.02	0.00	12.24	2.00	0.00	0.00	0.02	0.00
12.26	2.00	0.00	0.00	0.02	0.00	12.28	2.00	0.00	0.00	0.02	0.00
12.30	2.00	0.00	0.00	0.02	0.00	12.32	2.00	0.00	0.00	0.02	0.00
12.34	2.00	0.00	0.00	0.02	0.00	12.36	2.00	0.00	0.00	0.02	0.00
12.38	2.00	0.00	0.00	0.02	0.00	12.40	2.00	0.00	0.00	0.02	0.00
12.42	2.00	0.00	0.00	0.02	0.00	12.44	2.00	0.00	0.00	0.02	0.00
12.46	2.00	0.00	0.00	0.02	0.00	12.48	2.00	0.00	0.00	0.02	0.00
12.50	2.00	0.00	0.00	0.02	0.00	12.52	2.00	0.00	0.00	0.02	0.00
12.54	2.00	0.00	0.00	0.02	0.00	12.55	2.00	0.00	0.00	0.02	0.00
12.57	2.00	0.00	0.00	0.02	0.00	12.59	2.00	0.00	0.00	0.02	0.00
12.61	2.00	0.00	0.00	0.02	0.00	12.63	2.00	0.00	0.00	0.02	0.00
12.65	2.00	0.00	0.00	0.02	0.00	12.67	2.00	0.00	0.00	0.02	0.00
12.69	2.00	0.00	0.00	0.02	0.00	12.71	2.00	0.00	0.00	0.02	0.00
12.73	2.00	0.00	0.00	0.02	0.00	12.75	2.00	0.00	0.00	0.02	0.00
12.77	2.00	0.00	0.00	0.02	0.00	12.79	2.00	0.00	0.00	0.02	0.00
12.81	2.00	0.00	0.00	0.02	0.00	12.83	2.00	0.00	0.00	0.02	0.00
12.85	2.00	0.00	0.00	0.02	0.00	12.87	2.00	0.00	0.00	0.02	0.00
12.89	2.00	0.00	0.00	0.02	0.00	12.91	2.00	0.00	0.00	0.02	0.00
12.93	2.00	0.00	0.00	0.02	0.00	12.94	2.00	0.00	0.00	0.02	0.00
12.96	2.00	0.00	0.00	0.02	0.00	12.98	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
13.00	2.00	0.00	0.00	0.02	0.00	13.02	2.00	0.00	0.00	0.02	0.00
13.04	2.00	0.00	0.00	0.02	0.00	13.06	2.00	0.00	0.00	0.02	0.00
13.08	2.00	0.00	0.00	0.02	0.00	13.10	2.00	0.00	0.00	0.02	0.00
13.12	2.00	0.00	0.00	0.02	0.00	13.14	2.00	0.00	0.00	0.02	0.00
13.16	2.00	0.00	0.00	0.02	0.00	13.18	2.00	0.00	0.00	0.02	0.00
13.20	2.00	0.00	0.00	0.02	0.00	13.22	2.00	0.00	0.00	0.02	0.00
13.24	2.00	0.00	0.00	0.02	0.00	13.26	2.00	0.00	0.00	0.02	0.00
13.28	2.00	0.00	0.00	0.02	0.00	13.30	2.00	0.00	0.00	0.02	0.00
13.31	2.00	0.00	0.00	0.02	0.00	13.33	2.00	0.00	0.00	0.02	0.00
13.35	2.00	0.00	0.00	0.02	0.00	13.37	2.00	0.00	0.00	0.02	0.00
13.39	2.00	0.00	0.00	0.02	0.00	13.41	2.00	0.00	0.00	0.02	0.00
13.43	2.00	0.00	0.00	0.02	0.00	13.45	2.00	0.00	0.00	0.02	0.00
13.47	2.00	0.00	0.00	0.02	0.00	13.49	2.00	0.00	0.00	0.02	0.00
13.51	2.00	0.00	0.00	0.02	0.00	13.53	2.00	0.00	0.00	0.02	0.00
13.55	2.00	0.00	0.00	0.02	0.00	13.57	2.00	0.00	0.00	0.02	0.00
13.59	2.00	0.00	0.00	0.02	0.00	13.61	2.00	0.00	0.00	0.02	0.00
13.63	2.00	0.00	0.00	0.02	0.00	13.65	2.00	0.00	0.00	0.02	0.00
13.67	2.00	0.00	0.00	0.02	0.00	13.68	2.00	0.00	0.00	0.02	0.00
13.70	2.00	0.00	0.00	0.02	0.00	13.72	2.00	0.00	0.00	0.02	0.00
13.74	2.00	0.00	0.00	0.02	0.00	13.76	2.00	0.00	0.00	0.02	0.00
13.78	2.00	0.00	0.00	0.02	0.00	13.80	2.00	0.00	0.00	0.02	0.00
13.82	2.00	0.00	0.00	0.02	0.00	13.84	2.00	0.00	0.00	0.02	0.00
13.86	2.00	0.00	0.00	0.02	0.00	13.88	2.00	0.00	0.00	0.02	0.00
13.90	2.00	0.00	0.00	0.02	0.00	13.92	2.00	0.00	0.00	0.02	0.00
13.94	2.00	0.00	0.00	0.02	0.00	13.96	2.00	0.00	0.00	0.02	0.00
13.98	2.00	0.00	0.00	0.02	0.00	14.00	2.00	0.00	0.00	0.02	0.00
14.01	2.00	0.00	0.00	0.02	0.00	14.03	2.00	0.00	0.00	0.02	0.00
14.05	2.00	0.00	0.00	0.02	0.00	14.07	2.00	0.00	0.00	0.02	0.00
14.09	2.00	0.00	0.00	0.02	0.00	14.11	2.00	0.00	0.00	0.02	0.00
14.13	2.00	0.00	0.00	0.02	0.00	14.15	2.00	0.00	0.00	0.02	0.00
14.17	2.00	0.00	0.00	0.02	0.00	14.19	2.00	0.00	0.00	0.02	0.00
14.21	2.00	0.00	0.00	0.02	0.00	14.23	2.00	0.00	0.00	0.02	0.00
14.25	2.00	0.00	0.00	0.02	0.00	14.27	2.00	0.00	0.00	0.02	0.00
14.29	2.00	0.00	0.00	0.02	0.00	14.31	2.00	0.00	0.00	0.02	0.00
14.33	2.00	0.00	0.00	0.02	0.00	14.34	2.00	0.00	0.00	0.02	0.00
14.36	2.00	0.00	0.00	0.02	0.00	14.38	2.00	0.00	0.00	0.02	0.00
14.40	2.00	0.00	0.00	0.02	0.00	14.42	2.00	0.00	0.00	0.02	0.00
14.44	2.00	0.00	0.00	0.02	0.00	14.46	2.00	0.00	0.00	0.02	0.00
14.48	2.00	0.00	0.00	0.02	0.00	14.50	2.00	0.00	0.00	0.02	0.00
14.52	2.00	0.00	0.00	0.02	0.00	14.54	2.00	0.00	0.00	0.02	0.00
14.56	2.00	0.00	0.00	0.02	0.00	14.58	2.00	0.00	0.00	0.02	0.00
14.60	2.00	0.00	0.00	0.02	0.00	14.62	2.00	0.00	0.00	0.02	0.00
14.64	2.00	0.00	0.00	0.02	0.00	14.66	2.00	0.00	0.00	0.02	0.00
14.67	2.00	0.00	0.00	0.02	0.00	14.69	2.00	0.00	0.00	0.02	0.00
14.71	2.00	0.00	0.00	0.02	0.00	14.73	2.00	0.00	0.00	0.02	0.00
14.75	2.00	0.00	0.00	0.02	0.00	14.77	2.00	0.00	0.00	0.02	0.00
14.79	2.00	0.00	0.00	0.02	0.00	14.81	2.00	0.00	0.00	0.02	0.00
14.83	2.00	0.00	0.00	0.02	0.00	14.85	2.00	0.00	0.00	0.02	0.00
14.87	2.00	0.00	0.00	0.02	0.00	14.89	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.91	2.00	0.00	0.00	0.02	0.00	14.93	2.00	0.00	0.00	0.02	0.00
14.95	2.00	0.00	0.00	0.02	0.00	14.97	2.00	0.00	0.00	0.02	0.00
14.98	2.00	0.00	0.00	0.02	0.00	15.00	2.00	0.00	0.00	0.02	0.00
15.02	2.00	0.00	0.00	0.02	0.00	15.04	2.00	0.00	0.00	0.02	0.00
15.06	2.00	0.00	0.00	0.02	0.00	15.08	2.00	0.00	0.00	0.02	0.00
15.10	2.00	0.00	0.00	0.02	0.00	15.12	2.00	0.00	0.00	0.02	0.00
15.14	2.00	0.00	0.00	0.02	0.00	15.16	2.00	0.00	0.00	0.02	0.00
15.18	2.00	0.00	0.00	0.02	0.00	15.20	2.00	0.00	0.00	0.02	0.00
15.22	2.00	0.00	0.00	0.02	0.00	15.24	2.00	0.00	0.00	0.02	0.00
15.26	2.00	0.00	0.00	0.02	0.00	15.28	2.00	0.00	0.00	0.02	0.00
15.29	2.00	0.00	0.00	0.02	0.00	15.31	2.00	0.00	0.00	0.02	0.00
15.33	2.00	0.00	0.00	0.02	0.00	15.35	2.00	0.00	0.00	0.02	0.00
15.37	2.00	0.00	0.00	0.02	0.00	15.39	2.00	0.00	0.00	0.02	0.00
15.41	2.00	0.00	0.00	0.02	0.00	15.43	2.00	0.00	0.00	0.02	0.00
15.45	2.00	0.00	0.00	0.02	0.00	15.47	2.00	0.00	0.00	0.02	0.00
15.49	2.00	0.00	0.00	0.02	0.00	15.51	2.00	0.00	0.00	0.02	0.00
15.53	2.00	0.00	0.00	0.02	0.00	15.55	2.00	0.00	0.00	0.02	0.00
15.57	2.00	0.00	0.00	0.02	0.00	15.58	2.00	0.00	0.00	0.02	0.00
15.60	2.00	0.00	0.00	0.02	0.00	15.62	2.00	0.00	0.00	0.02	0.00
15.64	2.00	0.00	0.00	0.02	0.00	15.66	2.00	0.00	0.00	0.02	0.00
15.68	2.00	0.00	0.00	0.02	0.00	15.70	2.00	0.00	0.00	0.02	0.00
15.72	2.00	0.00	0.00	0.02	0.00	15.74	2.00	0.00	0.00	0.02	0.00
15.76	2.00	0.00	0.00	0.02	0.00	15.78	2.00	0.00	0.00	0.02	0.00
15.80	2.00	0.00	0.00	0.02	0.00	15.82	2.00	0.00	0.00	0.02	0.00
15.84	2.00	0.00	0.00	0.02	0.00	15.86	2.00	0.00	0.00	0.02	0.00
15.87	2.00	0.00	0.00	0.02	0.00	15.89	2.00	0.00	0.00	0.02	0.00
15.91	2.00	0.00	0.00	0.02	0.00	15.93	2.00	0.00	0.00	0.02	0.00
15.95	2.00	0.00	0.00	0.02	0.00	15.97	2.00	0.00	0.00	0.02	0.00
15.99	2.00	0.00	0.00	0.02	0.00	16.01	2.00	0.00	0.00	0.02	0.00
16.03	2.00	0.00	0.00	0.02	0.00	16.05	2.00	0.00	0.00	0.02	0.00
16.07	2.00	0.00	0.00	0.02	0.00	16.09	2.00	0.00	0.00	0.02	0.00
16.11	2.00	0.00	0.00	0.02	0.00	16.13	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.41	2.00	0.00	0.00	0.02	0.00	16.43	2.00	0.00	0.00	0.02	0.00
16.45	2.00	0.00	0.00	0.02	0.00	16.47	2.00	0.00	0.00	0.02	0.00
16.49	2.00	0.00	0.00	0.02	0.00	16.51	2.00	0.00	0.00	0.02	0.00
16.53	2.00	0.00	0.00	0.02	0.00	16.55	2.00	0.00	0.00	0.02	0.00
16.57	2.00	0.00	0.00	0.02	0.00	16.59	2.00	0.00	0.00	0.02	0.00
16.61	2.00	0.00	0.00	0.02	0.00	16.63	2.00	0.00	0.00	0.02	0.00
16.65	2.00	0.00	0.00	0.02	0.00	16.67	2.00	0.00	0.00	0.02	0.00
16.68	2.00	0.00	0.00	0.02	0.00	16.70	2.00	0.00	0.00	0.02	0.00
16.72	2.00	0.00	0.00	0.02	0.00	16.74	2.00	0.00	0.00	0.02	0.00
16.76	2.00	0.00	0.00	0.02	0.00	16.78	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.80	2.00	0.00	0.00	0.02	0.00	16.82	2.00	0.00	0.00	0.02	0.00
16.84	2.00	0.00	0.00	0.02	0.00	16.86	2.00	0.00	0.00	0.02	0.00
16.88	2.00	0.00	0.00	0.02	0.00	16.90	2.00	0.00	0.00	0.02	0.00
16.92	2.00	0.00	0.00	0.02	0.00	16.93	2.00	0.00	0.00	0.02	0.00
16.95	2.00	0.00	0.00	0.02	0.00	16.97	2.00	0.00	0.00	0.02	0.00
16.99	2.00	0.00	0.00	0.02	0.00	17.01	2.00	0.00	0.00	0.02	0.00
17.03	2.00	0.00	0.00	0.02	0.00	17.05	2.00	0.00	0.00	0.02	0.00
17.07	2.00	0.00	0.00	0.02	0.00	17.09	2.00	0.00	0.00	0.02	0.00
17.11	2.00	0.00	0.00	0.02	0.00	17.13	2.00	0.00	0.00	0.02	0.00
17.15	2.00	0.00	0.00	0.02	0.00	17.17	2.00	0.00	0.00	0.02	0.00
17.18	2.00	0.00	0.00	0.02	0.00	17.20	2.00	0.00	0.00	0.02	0.00
17.22	2.00	0.00	0.00	0.02	0.00	17.24	2.00	0.00	0.00	0.02	0.00
17.26	2.00	0.00	0.00	0.02	0.00	17.28	2.00	0.00	0.00	0.02	0.00
17.30	2.00	0.00	0.00	0.02	0.00	17.32	2.00	0.00	0.00	0.02	0.00
17.34	2.00	0.00	0.00	0.02	0.00	17.36	2.00	0.00	0.00	0.02	0.00
17.38	2.00	0.00	0.00	0.02	0.00	17.40	2.00	0.00	0.00	0.02	0.00
17.41	2.00	0.00	0.00	0.02	0.00	17.43	2.00	0.00	0.00	0.02	0.00
17.45	2.00	0.00	0.00	0.02	0.00	17.47	2.00	0.00	0.00	0.02	0.00
17.49	2.00	0.00	0.00	0.02	0.00	17.51	2.00	0.00	0.00	0.02	0.00
17.53	2.00	0.00	0.00	0.02	0.00	17.55	2.00	0.00	0.00	0.02	0.00
17.57	2.00	0.00	0.00	0.02	0.00	17.59	2.00	0.00	0.00	0.02	0.00
17.61	2.00	0.00	0.00	0.02	0.00	17.63	2.00	0.00	0.00	0.02	0.00
17.64	2.00	0.00	0.00	0.02	0.00	17.66	2.00	0.00	0.00	0.02	0.00
17.68	2.00	0.00	0.00	0.02	0.00	17.70	2.00	0.00	0.00	0.02	0.00
17.72	2.00	0.00	0.00	0.02	0.00	17.74	2.00	0.00	0.00	0.02	0.00
17.76	2.00	0.00	0.00	0.02	0.00	17.78	2.00	0.00	0.00	0.02	0.00
17.80	2.00	0.00	0.00	0.02	0.00	17.82	2.00	0.00	0.00	0.02	0.00
17.84	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.87	2.00	0.00	0.00	0.02	0.00	17.89	2.00	0.00	0.00	0.02	0.00
17.91	2.00	0.00	0.00	0.02	0.00	17.93	2.00	0.00	0.00	0.02	0.00
17.95	2.00	0.00	0.00	0.02	0.00	17.97	2.00	0.00	0.00	0.02	0.00
17.99	2.00	0.00	0.00	0.02	0.00	18.01	2.00	0.00	0.00	0.02	0.00
18.03	2.00	0.00	0.00	0.02	0.00	18.05	2.00	0.00	0.00	0.02	0.00
18.07	2.00	0.00	0.00	0.02	0.00	18.08	2.00	0.00	0.00	0.02	0.00
18.10	2.00	0.00	0.00	0.02	0.00	18.12	2.00	0.00	0.00	0.02	0.00
18.14	2.00	0.00	0.00	0.02	0.00	18.16	2.00	0.00	0.00	0.02	0.00
18.18	2.00	0.00	0.00	0.02	0.00	18.20	2.00	0.00	0.00	0.02	0.00
18.22	2.00	0.00	0.00	0.02	0.00	18.24	2.00	0.00	0.00	0.02	0.00
18.26	2.00	0.00	0.00	0.02	0.00	18.28	2.00	0.00	0.00	0.02	0.00
18.29	2.00	0.00	0.00	0.02	0.00	18.31	2.00	0.00	0.00	0.02	0.00
18.33	2.00	0.00	0.00	0.02	0.00	18.35	2.00	0.00	0.00	0.02	0.00
18.37	2.00	0.00	0.00	0.02	0.00	18.39	2.00	0.00	0.00	0.02	0.00
18.41	2.00	0.00	0.00	0.02	0.00	18.43	2.00	0.00	0.00	0.02	0.00
18.45	2.00	0.00	0.00	0.02	0.00	18.47	2.00	0.00	0.00	0.02	0.00
18.49	2.00	0.00	0.00	0.02	0.00	18.50	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

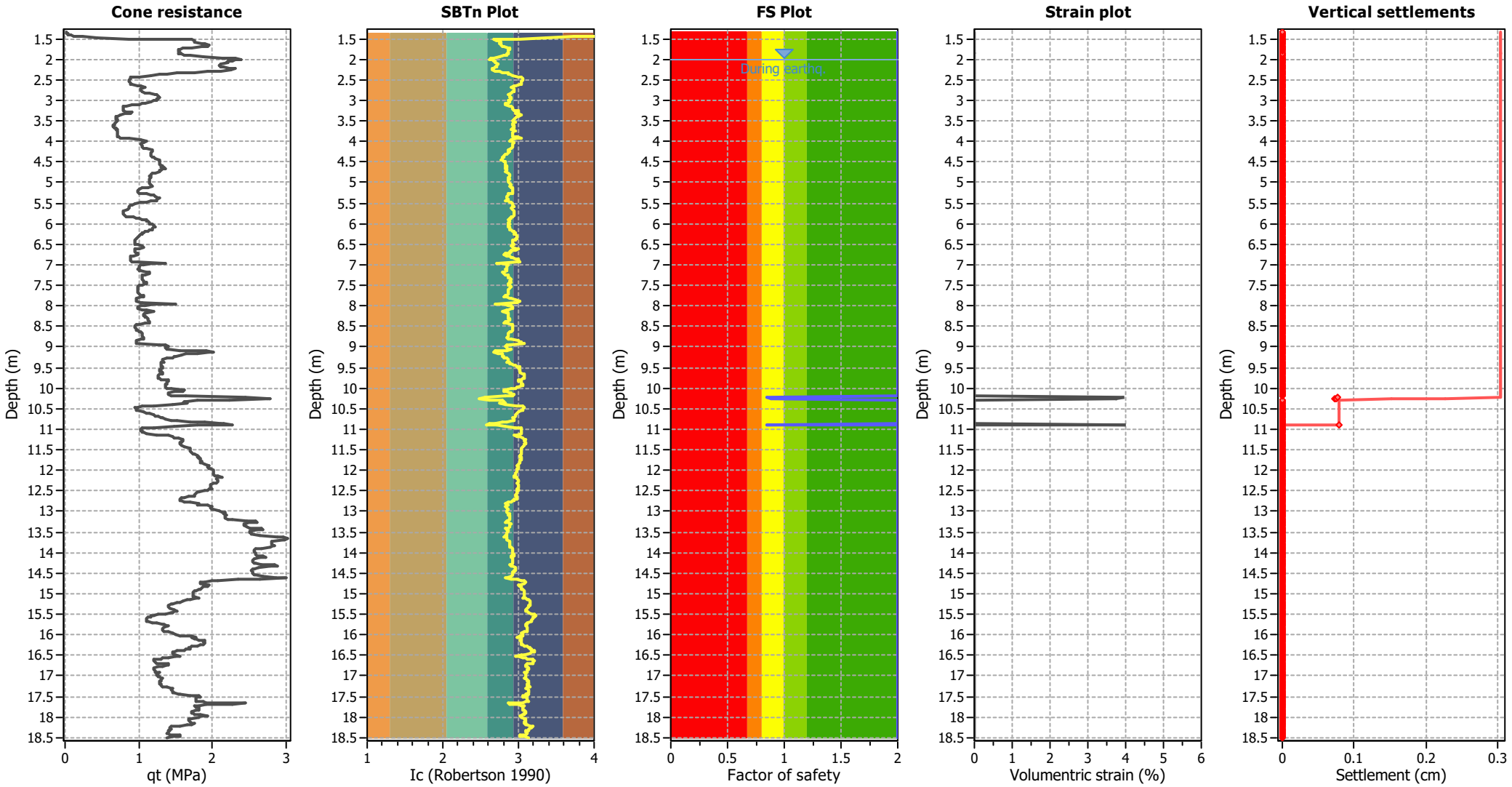
Overall liquefaction potential: 0.05

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.34	4.06	-1.00	54.25	-54.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.36	4.06	-1.00	54.25	-54.25	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.38	4.06	0.07	54.25	4.05	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.40	4.06	0.29	54.25	15.98	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.42	4.06	0.74	54.25	40.08	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.44	4.06	1.63	54.25	88.53	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.46	3.74	3.42	31.86	109.05	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.48	3.36	7.01	16.88	118.36	0	0	0.10	0.000	0.00	0.00	0.00	0.000
1.50	3.01	14.19	8.90	126.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.52	2.68	28.56	4.49	128.36	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.54	2.72	29.21	4.92	143.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.56	2.75	28.97	5.27	152.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.58	2.75	28.99	5.30	153.60	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.60	2.77	28.99	5.52	160.12	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.62	2.76	30.81	5.35	164.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.64	2.77	31.41	5.52	173.55	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.66	2.76	32.43	5.41	175.50	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.68	2.78	32.19	5.61	180.63	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.70	2.81	30.80	6.01	184.97	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.72	2.86	28.41	6.63	188.41	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.74	2.89	26.36	7.10	187.17	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.76	2.88	25.79	6.93	178.68	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.78	2.87	25.52	6.82	173.90	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.80	2.87	25.52	6.71	171.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.86	25.51	6.71	171.08	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.87	2.86	25.54	6.69	171.01	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.82	2.86	25.89	6.59	170.62	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.88	2.85	26.17	6.51	170.34	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.90	2.85	26.67	6.49	173.22	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.92	2.81	28.16	6.04	170.14	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.94	2.76	31.13	5.34	166.23	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.96	2.68	35.30	4.52	159.45	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.98	2.63	38.21	4.06	155.11	0	0	0.09	0.000	0.00	0.00	0.00	0.000
2.00	2.62	39.53	3.97	156.90	0	0	0.09	0.000	0.00	0.00	0.00	0.000

Total estimated settlement: 0.00

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	37.43	2.00	0.00	1.00	0.00	2.04	36.83	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.06	35.83	2.00	0.00	1.00	0.00	2.08	35.61	2.00	0.00	1.00	0.00
2.10	36.12	2.00	0.00	1.00	0.00	2.12	34.24	2.00	0.00	1.00	0.00
2.14	34.02	2.00	0.00	1.00	0.00	2.16	34.30	2.00	0.00	1.00	0.00
2.18	34.59	2.00	0.00	1.00	0.00	2.20	35.27	2.00	0.00	1.00	0.00
2.22	36.63	2.00	0.00	1.00	0.00	2.24	37.76	2.00	0.00	1.00	0.00
2.26	36.94	2.00	0.00	1.00	0.00	2.28	34.70	2.00	0.00	1.00	0.00
2.30	31.55	2.00	0.00	1.00	0.00	2.32	28.59	2.00	0.00	1.00	0.00
2.34	24.65	2.00	0.00	1.00	0.00	2.36	22.29	2.00	0.00	1.00	0.00
2.38	20.60	2.00	0.00	1.00	0.00	2.40	18.64	2.00	0.00	1.00	0.00
2.42	15.96	2.00	0.00	1.00	0.00	2.44	14.19	2.00	0.00	1.00	0.00
2.46	14.08	2.00	0.00	1.00	0.00	2.48	13.97	2.00	0.00	1.00	0.00
2.50	13.89	2.00	0.00	1.00	0.00	2.52	13.90	2.00	0.00	1.00	0.00
2.54	13.90	2.00	0.00	1.00	0.00	2.56	13.91	2.00	0.00	1.00	0.00
2.58	13.97	2.00	0.00	1.00	0.00	2.60	14.09	2.00	0.00	1.00	0.00
2.62	14.34	2.00	0.00	1.00	0.00	2.64	15.67	2.00	0.00	1.00	0.00
2.66	16.32	2.00	0.00	1.00	0.00	2.68	17.26	2.00	0.00	1.00	0.00
2.70	17.12	2.00	0.00	1.00	0.00	2.72	16.20	2.00	0.00	1.00	0.00
2.74	16.19	2.00	0.00	1.00	0.00	2.76	16.22	2.00	0.00	1.00	0.00
2.78	16.25	2.00	0.00	1.00	0.00	2.80	16.41	2.00	0.00	1.00	0.00
2.82	17.08	2.00	0.00	1.00	0.00	2.84	17.91	2.00	0.00	1.00	0.00
2.86	19.36	2.00	0.00	1.00	0.00	2.88	19.51	2.00	0.00	1.00	0.00
2.90	19.89	2.00	0.00	1.00	0.00	2.92	20.28	2.00	0.00	1.00	0.00
2.94	19.83	2.00	0.00	1.00	0.00	2.96	19.98	2.00	0.00	1.00	0.00
2.98	19.69	2.00	0.00	1.00	0.00	3.00	19.68	2.00	0.00	1.00	0.00
3.02	19.05	2.00	0.00	1.00	0.00	3.04	18.14	2.00	0.00	1.00	0.00
3.06	16.98	2.00	0.00	1.00	0.00	3.08	16.43	2.00	0.00	1.00	0.00
3.10	15.51	2.00	0.00	1.00	0.00	3.12	13.92	2.00	0.00	1.00	0.00
3.14	12.69	2.00	0.00	1.00	0.00	3.16	12.09	2.00	0.00	1.00	0.00
3.18	11.86	2.00	0.00	1.00	0.00	3.20	11.86	2.00	0.00	1.00	0.00
3.22	11.86	2.00	0.00	1.00	0.00	3.24	11.87	2.00	0.00	1.00	0.00
3.26	11.91	2.00	0.00	1.00	0.00	3.28	12.39	2.00	0.00	1.00	0.00
3.30	13.47	2.00	0.00	1.00	0.00	3.32	13.39	2.00	0.00	1.00	0.00
3.34	12.19	2.00	0.00	1.00	0.00	3.36	11.14	2.00	0.00	1.00	0.00
3.38	10.45	2.00	0.00	1.00	0.00	3.40	10.12	2.00	0.00	1.00	0.00
3.42	10.05	2.00	0.00	1.00	0.00	3.44	10.02	2.00	0.00	1.00	0.00
3.46	10.17	2.00	0.00	1.00	0.00	3.48	10.31	2.00	0.00	1.00	0.00
3.50	10.36	2.00	0.00	1.00	0.00	3.52	9.91	2.00	0.00	1.00	0.00
3.54	9.78	2.00	0.00	1.00	0.00	3.56	9.57	2.00	0.00	1.00	0.00
3.59	9.46	2.00	0.00	1.00	0.00	3.60	9.33	2.00	0.00	1.00	0.00
3.62	9.30	2.00	0.00	1.00	0.00	3.64	9.30	2.00	0.00	1.00	0.00
3.66	9.29	2.00	0.00	1.00	0.00	3.68	9.51	2.00	0.00	1.00	0.00
3.70	9.94	2.00	0.00	1.00	0.00	3.72	9.69	2.00	0.00	1.00	0.00
3.74	9.67	2.00	0.00	1.00	0.00	3.76	9.65	2.00	0.00	1.00	0.00
3.78	9.64	2.00	0.00	1.00	0.00	3.80	9.67	2.00	0.00	1.00	0.00
3.82	9.61	2.00	0.00	1.00	0.00	3.84	9.63	2.00	0.00	1.00	0.00
3.86	9.65	2.00	0.00	1.00	0.00	3.88	9.74	2.00	0.00	1.00	0.00
3.90	9.71	2.00	0.00	1.00	0.00	3.92	10.16	2.00	0.00	1.00	0.00
3.94	11.80	2.00	0.00	1.00	0.00	3.96	13.94	2.00	0.00	1.00	0.00
3.98	15.73	2.00	0.00	1.00	0.00	4.00	15.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.02	15.34	2.00	0.00	1.00	0.00	4.04	15.00	2.00	0.00	1.00	0.00
4.06	14.76	2.00	0.00	1.00	0.00	4.08	14.73	2.00	0.00	1.00	0.00
4.10	14.72	2.00	0.00	1.00	0.00	4.12	14.70	2.00	0.00	1.00	0.00
4.14	14.74	2.00	0.00	1.00	0.00	4.16	15.01	2.00	0.00	1.00	0.00
4.18	15.43	2.00	0.00	1.00	0.00	4.20	16.47	2.00	0.00	1.00	0.00
4.22	16.57	2.00	0.00	1.00	0.00	4.24	16.64	2.00	0.00	1.00	0.00
4.26	16.53	2.00	0.00	1.00	0.00	4.28	16.11	2.00	0.00	1.00	0.00
4.30	16.08	2.00	0.00	1.00	0.00	4.32	16.07	2.00	0.00	1.00	0.00
4.34	16.05	2.00	0.00	1.00	0.00	4.36	16.04	2.00	0.00	1.00	0.00
4.38	16.16	2.00	0.00	1.00	0.00	4.40	16.36	2.00	0.00	1.00	0.00
4.42	16.46	2.00	0.00	1.00	0.00	4.44	17.51	2.00	0.00	1.00	0.00
4.46	17.43	2.00	0.00	1.00	0.00	4.48	17.34	2.00	0.00	1.00	0.00
4.50	17.27	2.00	0.00	1.00	0.00	4.52	17.26	2.00	0.00	1.00	0.00
4.54	17.24	2.00	0.00	1.00	0.00	4.56	17.25	2.00	0.00	1.00	0.00
4.58	17.65	2.00	0.00	1.00	0.00	4.60	17.37	2.00	0.00	1.00	0.00
4.62	17.43	2.00	0.00	1.00	0.00	4.64	17.86	2.00	0.00	1.00	0.00
4.66	18.09	2.00	0.00	1.00	0.00	4.68	17.65	2.00	0.00	1.00	0.00
4.70	17.38	2.00	0.00	1.00	0.00	4.72	16.97	2.00	0.00	1.00	0.00
4.74	16.84	2.00	0.00	1.00	0.00	4.76	15.94	2.00	0.00	1.00	0.00
4.78	15.57	2.00	0.00	1.00	0.00	4.80	15.27	2.00	0.00	1.00	0.00
4.82	15.11	2.00	0.00	1.00	0.00	4.84	15.03	2.00	0.00	1.00	0.00
4.86	14.96	2.00	0.00	1.00	0.00	4.88	15.20	2.00	0.00	1.00	0.00
4.90	14.86	2.00	0.00	1.00	0.00	4.92	14.67	2.00	0.00	1.00	0.00
4.94	14.63	2.00	0.00	1.00	0.00	4.96	14.61	2.00	0.00	1.00	0.00
4.98	14.59	2.00	0.00	1.00	0.00	5.00	14.56	2.00	0.00	1.00	0.00
5.02	14.61	2.00	0.00	1.00	0.00	5.04	14.74	2.00	0.00	1.00	0.00
5.06	14.90	2.00	0.00	1.00	0.00	5.08	15.27	2.00	0.00	1.00	0.00
5.10	15.34	2.00	0.00	1.00	0.00	5.12	14.53	2.00	0.00	1.00	0.00
5.14	13.57	2.00	0.00	1.00	0.00	5.16	12.79	2.00	0.00	1.00	0.00
5.19	12.59	2.00	0.00	1.00	0.00	5.20	12.55	2.00	0.00	1.00	0.00
5.22	12.51	2.00	0.00	1.00	0.00	5.24	12.60	2.00	0.00	1.00	0.00
5.26	12.68	2.00	0.00	1.00	0.00	5.28	13.95	2.00	0.00	1.00	0.00
5.30	14.85	2.00	0.00	1.00	0.00	5.32	15.33	2.00	0.00	1.00	0.00
5.34	15.53	2.00	0.00	1.00	0.00	5.36	15.98	2.00	0.00	1.00	0.00
5.38	16.26	2.00	0.00	1.00	0.00	5.40	15.85	2.00	0.00	1.00	0.00
5.42	15.70	2.00	0.00	1.00	0.00	5.44	15.77	2.00	0.00	1.00	0.00
5.46	14.79	2.00	0.00	1.00	0.00	5.48	13.94	2.00	0.00	1.00	0.00
5.50	12.74	2.00	0.00	1.00	0.00	5.52	11.89	2.00	0.00	1.00	0.00
5.54	11.23	2.00	0.00	1.00	0.00	5.56	10.82	2.00	0.00	1.00	0.00
5.58	10.61	2.00	0.00	1.00	0.00	5.60	10.59	2.00	0.00	1.00	0.00
5.62	10.58	2.00	0.00	1.00	0.00	5.64	10.46	2.00	0.00	1.00	0.00
5.66	10.28	2.00	0.00	1.00	0.00	5.68	9.53	2.00	0.00	1.00	0.00
5.70	9.46	2.00	0.00	1.00	0.00	5.72	9.45	2.00	0.00	1.00	0.00
5.74	9.43	2.00	0.00	1.00	0.00	5.76	9.42	2.00	0.00	1.00	0.00
5.78	9.41	2.00	0.00	1.00	0.00	5.80	9.47	2.00	0.00	1.00	0.00
5.82	9.90	2.00	0.00	1.00	0.00	5.84	11.01	2.00	0.00	1.00	0.00
5.86	11.46	2.00	0.00	1.00	0.00	5.88	11.98	2.00	0.00	1.00	0.00
5.90	12.64	2.00	0.00	1.00	0.00	5.92	13.25	2.00	0.00	1.00	0.00
5.94	13.29	2.00	0.00	1.00	0.00	5.96	13.49	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.98	13.69	2.00	0.00	1.00	0.00	6.00	13.70	2.00	0.00	1.00	0.00
6.02	14.14	2.00	0.00	1.00	0.00	6.04	14.22	2.00	0.00	1.00	0.00
6.06	14.29	2.00	0.00	1.00	0.00	6.08	14.42	2.00	0.00	1.00	0.00
6.10	14.21	2.00	0.00	1.00	0.00	6.12	13.97	2.00	0.00	1.00	0.00
6.14	13.95	2.00	0.00	1.00	0.00	6.16	13.47	2.00	0.00	1.00	0.00
6.18	13.08	2.00	0.00	1.00	0.00	6.20	12.69	2.00	0.00	1.00	0.00
6.22	12.35	2.00	0.00	1.00	0.00	6.24	12.01	2.00	0.00	1.00	0.00
6.26	12.14	2.00	0.00	1.00	0.00	6.28	11.79	2.00	0.00	1.00	0.00
6.30	11.37	2.00	0.00	1.00	0.00	6.32	11.38	2.00	0.00	1.00	0.00
6.34	11.21	2.00	0.00	1.00	0.00	6.36	11.13	2.00	0.00	1.00	0.00
6.38	10.96	2.00	0.00	1.00	0.00	6.40	10.72	2.00	0.00	1.00	0.00
6.42	10.62	2.00	0.00	1.00	0.00	6.44	10.60	2.00	0.00	1.00	0.00
6.46	10.59	2.00	0.00	1.00	0.00	6.48	10.60	2.00	0.00	1.00	0.00
6.50	10.63	2.00	0.00	1.00	0.00	6.52	11.04	2.00	0.00	1.00	0.00
6.54	11.74	2.00	0.00	1.00	0.00	6.56	11.81	2.00	0.00	1.00	0.00
6.58	11.97	2.00	0.00	1.00	0.00	6.60	11.32	2.00	0.00	1.00	0.00
6.62	10.77	2.00	0.00	1.00	0.00	6.64	10.75	2.00	0.00	1.00	0.00
6.66	10.74	2.00	0.00	1.00	0.00	6.68	10.73	2.00	0.00	1.00	0.00
6.69	10.71	2.00	0.00	1.00	0.00	6.71	10.73	2.00	0.00	1.00	0.00
6.73	11.05	2.00	0.00	1.00	0.00	6.75	10.89	2.00	0.00	1.00	0.00
6.77	10.28	2.00	0.00	1.00	0.00	6.79	9.84	2.00	0.00	1.00	0.00
6.81	9.61	2.00	0.00	1.00	0.00	6.83	9.58	2.00	0.00	1.00	0.00
6.85	9.56	2.00	0.00	1.00	0.00	6.87	9.60	2.00	0.00	1.00	0.00
6.89	9.63	2.00	0.00	1.00	0.00	6.91	9.77	2.00	0.00	1.00	0.00
6.93	10.58	2.00	0.00	1.00	0.00	6.95	15.65	2.00	0.00	1.00	0.00
6.97	13.45	2.00	0.00	1.00	0.00	6.99	12.04	2.00	0.00	1.00	0.00
7.01	11.44	2.00	0.00	1.00	0.00	7.03	11.30	2.00	0.00	1.00	0.00
7.05	11.16	2.00	0.00	1.00	0.00	7.07	10.97	2.00	0.00	1.00	0.00
7.09	10.91	2.00	0.00	1.00	0.00	7.11	10.95	2.00	0.00	1.00	0.00
7.13	11.00	2.00	0.00	1.00	0.00	7.15	11.12	2.00	0.00	1.00	0.00
7.17	11.74	2.00	0.00	1.00	0.00	7.19	12.36	2.00	0.00	1.00	0.00
7.21	12.29	2.00	0.00	1.00	0.00	7.23	11.55	2.00	0.00	1.00	0.00
7.25	11.15	2.00	0.00	1.00	0.00	7.27	11.11	2.00	0.00	1.00	0.00
7.29	11.10	2.00	0.00	1.00	0.00	7.31	11.09	2.00	0.00	1.00	0.00
7.33	11.07	2.00	0.00	1.00	0.00	7.35	11.06	2.00	0.00	1.00	0.00
7.37	11.08	2.00	0.00	1.00	0.00	7.39	11.20	2.00	0.00	1.00	0.00
7.41	11.27	2.00	0.00	1.00	0.00	7.43	11.54	2.00	0.00	1.00	0.00
7.45	11.62	2.00	0.00	1.00	0.00	7.47	11.32	2.00	0.00	1.00	0.00
7.49	10.91	2.00	0.00	1.00	0.00	7.51	10.45	2.00	0.00	1.00	0.00
7.53	10.33	2.00	0.00	1.00	0.00	7.55	10.27	2.00	0.00	1.00	0.00
7.57	10.24	2.00	0.00	1.00	0.00	7.59	10.24	2.00	0.00	1.00	0.00
7.61	10.23	2.00	0.00	1.00	0.00	7.63	10.20	2.00	0.00	1.00	0.00
7.65	10.18	2.00	0.00	1.00	0.00	7.67	10.17	2.00	0.00	1.00	0.00
7.69	10.15	2.00	0.00	1.00	0.00	7.71	10.38	2.00	0.00	1.00	0.00
7.73	10.61	2.00	0.00	1.00	0.00	7.75	10.99	2.00	0.00	1.00	0.00
7.77	11.01	2.00	0.00	1.00	0.00	7.79	10.57	2.00	0.00	1.00	0.00
7.81	9.91	2.00	0.00	1.00	0.00	7.83	9.87	2.00	0.00	1.00	0.00
7.85	9.85	2.00	0.00	1.00	0.00	7.87	9.85	2.00	0.00	1.00	0.00
7.89	9.86	2.00	0.00	1.00	0.00	7.91	10.41	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.93	10.54	2.00	0.00	1.00	0.00	7.95	16.33	2.00	0.00	1.00	0.00
7.97	13.28	2.00	0.00	1.00	0.00	7.99	11.77	2.00	0.00	1.00	0.00
8.01	10.98	2.00	0.00	1.00	0.00	8.03	10.59	2.00	0.00	1.00	0.00
8.05	10.55	2.00	0.00	1.00	0.00	8.07	10.54	2.00	0.00	1.00	0.00
8.09	11.10	2.00	0.00	1.00	0.00	8.11	11.67	2.00	0.00	1.00	0.00
8.13	12.70	2.00	0.00	1.00	0.00	8.15	12.82	2.00	0.00	1.00	0.00
8.17	11.76	2.00	0.00	1.00	0.00	8.19	11.45	2.00	0.00	1.00	0.00
8.21	11.30	2.00	0.00	1.00	0.00	8.23	11.26	2.00	0.00	1.00	0.00
8.25	11.31	2.00	0.00	1.00	0.00	8.27	11.36	2.00	0.00	1.00	0.00
8.29	11.57	2.00	0.00	1.00	0.00	8.31	11.77	2.00	0.00	1.00	0.00
8.33	11.64	2.00	0.00	1.00	0.00	8.35	11.71	2.00	0.00	1.00	0.00
8.37	11.97	2.00	0.00	1.00	0.00	8.39	11.99	2.00	0.00	1.00	0.00
8.41	11.95	2.00	0.00	1.00	0.00	8.43	11.28	2.00	0.00	1.00	0.00
8.45	10.35	2.00	0.00	1.00	0.00	8.47	9.84	2.00	0.00	1.00	0.00
8.48	9.59	2.00	0.00	1.00	0.00	8.50	9.55	2.00	0.00	1.00	0.00
8.52	9.54	2.00	0.00	1.00	0.00	8.54	9.53	2.00	0.00	1.00	0.00
8.56	9.55	2.00	0.00	1.00	0.00	8.58	9.56	2.00	0.00	1.00	0.00
8.60	9.61	2.00	0.00	1.00	0.00	8.62	9.76	2.00	0.00	1.00	0.00
8.64	10.13	2.00	0.00	1.00	0.00	8.66	10.36	2.00	0.00	1.00	0.00
8.68	10.32	2.00	0.00	1.00	0.00	8.70	10.31	2.00	0.00	1.00	0.00
8.72	10.29	2.00	0.00	1.00	0.00	8.74	10.29	2.00	0.00	1.00	0.00
8.76	10.28	2.00	0.00	1.00	0.00	8.78	10.41	2.00	0.00	1.00	0.00
8.80	10.24	2.00	0.00	1.00	0.00	8.82	9.88	2.00	0.00	1.00	0.00
8.84	9.23	2.00	0.00	1.00	0.00	8.86	9.22	2.00	0.00	1.00	0.00
8.88	9.21	2.00	0.00	1.00	0.00	8.90	9.20	2.00	0.00	1.00	0.00
8.92	9.22	2.00	0.00	1.00	0.00	8.94	12.83	2.00	0.00	1.00	0.00
8.96	13.82	2.00	0.00	1.00	0.00	8.98	14.36	2.00	0.00	1.00	0.00
9.00	13.91	2.00	0.00	1.00	0.00	9.02	13.95	2.00	0.00	1.00	0.00
9.04	13.99	2.00	0.00	1.00	0.00	9.06	14.24	2.00	0.00	1.00	0.00
9.08	15.79	2.00	0.00	1.00	0.00	9.10	19.71	2.00	0.00	1.00	0.00
9.12	21.71	2.00	0.00	1.00	0.00	9.14	21.14	2.00	0.00	1.00	0.00
9.16	19.43	2.00	0.00	1.00	0.00	9.18	17.61	2.00	0.00	1.00	0.00
9.20	16.97	2.00	0.00	1.00	0.00	9.22	16.05	2.00	0.00	1.00	0.00
9.24	15.85	2.00	0.00	1.00	0.00	9.26	15.57	2.00	0.00	1.00	0.00
9.28	14.57	2.00	0.00	1.00	0.00	9.30	14.02	2.00	0.00	1.00	0.00
9.32	13.76	2.00	0.00	1.00	0.00	9.34	13.50	2.00	0.00	1.00	0.00
9.36	13.74	2.00	0.00	1.00	0.00	9.38	13.28	2.00	0.00	1.00	0.00
9.40	13.25	2.00	0.00	1.00	0.00	9.42	13.23	2.00	0.00	1.00	0.00
9.44	13.22	2.00	0.00	1.00	0.00	9.46	13.20	2.00	0.00	1.00	0.00
9.47	13.44	2.00	0.00	1.00	0.00	9.49	13.22	2.00	0.00	1.00	0.00
9.51	13.38	2.00	0.00	1.00	0.00	9.53	12.90	2.00	0.00	1.00	0.00
9.55	12.86	2.00	0.00	1.00	0.00	9.57	12.86	2.00	0.00	1.00	0.00
9.59	12.85	2.00	0.00	1.00	0.00	9.61	12.91	2.00	0.00	1.00	0.00
9.63	13.20	2.00	0.00	1.00	0.00	9.65	13.23	2.00	0.00	1.00	0.00
9.67	12.75	2.00	0.00	1.00	0.00	9.69	12.45	2.00	0.00	1.00	0.00
9.71	12.43	2.00	0.00	1.00	0.00	9.73	12.41	2.00	0.00	1.00	0.00
9.75	12.49	2.00	0.00	1.00	0.00	9.77	12.56	2.00	0.00	1.00	0.00
9.79	12.73	2.00	0.00	1.00	0.00	9.81	13.67	2.00	0.00	1.00	0.00
9.83	13.82	2.00	0.00	1.00	0.00	9.85	13.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.87	13.47	2.00	0.00	1.00	0.00	9.89	13.46	2.00	0.00	1.00	0.00
9.91	13.44	2.00	0.00	1.00	0.00	9.93	13.43	2.00	0.00	1.00	0.00
9.95	13.32	2.00	0.00	1.00	0.00	9.97	13.30	2.00	0.00	1.00	0.00
9.99	13.40	2.00	0.00	1.00	0.00	10.01	13.49	2.00	0.00	1.00	0.00
10.03	13.93	2.00	0.00	1.00	0.00	10.05	15.56	2.00	0.00	1.00	0.00
10.07	15.62	2.00	0.00	1.00	0.00	10.09	14.62	2.00	0.00	1.00	0.00
10.11	13.76	2.00	0.00	1.00	0.00	10.13	13.68	2.00	0.00	1.00	0.00
10.15	13.68	2.00	0.00	1.00	0.00	10.17	13.68	2.00	0.00	1.00	0.00
10.18	13.86	2.00	0.00	1.00	0.00	10.20	15.73	2.00	0.00	1.00	0.00
10.22	81.16	0.84	3.95	1.00	0.08	10.24	85.82	0.88	3.74	1.00	0.07
10.26	85.38	0.88	3.76	1.00	0.07	10.28	22.92	2.00	0.00	1.00	0.00
10.30	18.44	2.00	0.00	1.00	0.00	10.32	16.78	2.00	0.00	1.00	0.00
10.34	16.47	2.00	0.00	1.00	0.00	10.36	16.17	2.00	0.00	1.00	0.00
10.38	16.77	2.00	0.00	1.00	0.00	10.40	14.67	2.00	0.00	1.00	0.00
10.42	11.87	2.00	0.00	1.00	0.00	10.44	10.31	2.00	0.00	1.00	0.00
10.46	9.60	2.00	0.00	1.00	0.00	10.48	9.24	2.00	0.00	1.00	0.00
10.50	9.24	2.00	0.00	1.00	0.00	10.52	9.23	2.00	0.00	1.00	0.00
10.54	9.24	2.00	0.00	1.00	0.00	10.56	9.32	2.00	0.00	1.00	0.00
10.58	9.99	2.00	0.00	1.00	0.00	10.60	10.39	2.00	0.00	1.00	0.00
10.62	10.85	2.00	0.00	1.00	0.00	10.64	11.23	2.00	0.00	1.00	0.00
10.66	11.31	2.00	0.00	1.00	0.00	10.68	11.57	2.00	0.00	1.00	0.00
10.70	11.88	2.00	0.00	1.00	0.00	10.72	12.25	2.00	0.00	1.00	0.00
10.74	12.49	2.00	0.00	1.00	0.00	10.75	12.82	2.00	0.00	1.00	0.00
10.77	13.51	2.00	0.00	1.00	0.00	10.79	14.34	2.00	0.00	1.00	0.00
10.81	16.14	2.00	0.00	1.00	0.00	10.83	18.20	2.00	0.00	1.00	0.00
10.85	20.91	2.00	0.00	1.00	0.00	10.87	21.64	2.00	0.00	1.00	0.00
10.89	79.90	0.84	4.01	1.00	0.08	10.91	17.89	2.00	0.00	1.00	0.00
10.93	14.78	2.00	0.00	1.00	0.00	10.95	11.76	2.00	0.00	1.00	0.00
10.97	10.23	2.00	0.00	1.00	0.00	10.99	9.78	2.00	0.00	1.00	0.00
11.01	9.67	2.00	0.00	1.00	0.00	11.03	9.64	2.00	0.00	1.00	0.00
11.05	9.62	2.00	0.00	1.00	0.00	11.07	9.67	2.00	0.00	1.00	0.00
11.09	9.71	2.00	0.00	1.00	0.00	11.11	10.20	2.00	0.00	1.00	0.00
11.13	11.51	2.00	0.00	1.00	0.00	11.15	12.81	2.00	0.00	1.00	0.00
11.17	13.49	2.00	0.00	1.00	0.00	11.19	13.59	2.00	0.00	1.00	0.00
11.21	13.98	2.00	0.00	1.00	0.00	11.23	14.53	2.00	0.00	1.00	0.00
11.25	14.99	2.00	0.00	1.00	0.00	11.26	14.81	2.00	0.00	1.00	0.00
11.28	15.13	2.00	0.00	1.00	0.00	11.30	14.85	2.00	0.00	1.00	0.00
11.32	14.60	2.00	0.00	1.00	0.00	11.34	14.58	2.00	0.00	1.00	0.00
11.36	14.57	2.00	0.00	1.00	0.00	11.38	14.57	2.00	0.00	1.00	0.00
11.40	14.57	2.00	0.00	1.00	0.00	11.42	14.93	2.00	0.00	1.00	0.00
11.44	14.96	2.00	0.00	1.00	0.00	11.46	15.57	2.00	0.00	1.00	0.00
11.48	15.57	2.00	0.00	1.00	0.00	11.50	15.59	2.00	0.00	1.00	0.00
11.52	15.62	2.00	0.00	1.00	0.00	11.54	15.60	2.00	0.00	1.00	0.00
11.56	15.63	2.00	0.00	1.00	0.00	11.58	15.67	2.00	0.00	1.00	0.00
11.60	15.71	2.00	0.00	1.00	0.00	11.62	15.85	2.00	0.00	1.00	0.00
11.64	16.23	2.00	0.00	1.00	0.00	11.66	16.41	2.00	0.00	1.00	0.00
11.68	16.27	2.00	0.00	1.00	0.00	11.70	16.34	2.00	0.00	1.00	0.00
11.72	16.57	2.00	0.00	1.00	0.00	11.73	16.48	2.00	0.00	1.00	0.00
11.75	16.57	2.00	0.00	1.00	0.00	11.77	16.55	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.79	16.60	2.00	0.00	1.00	0.00	11.81	16.55	2.00	0.00	1.00	0.00
11.83	16.64	2.00	0.00	1.00	0.00	11.85	16.74	2.00	0.00	1.00	0.00
11.87	17.33	2.00	0.00	1.00	0.00	11.89	17.03	2.00	0.00	1.00	0.00
11.91	17.03	2.00	0.00	1.00	0.00	11.93	17.03	2.00	0.00	1.00	0.00
11.95	17.05	2.00	0.00	1.00	0.00	11.97	17.36	2.00	0.00	1.00	0.00
11.99	17.66	2.00	0.00	1.00	0.00	12.01	17.56	2.00	0.00	1.00	0.00
12.03	17.66	2.00	0.00	1.00	0.00	12.05	17.65	2.00	0.00	1.00	0.00
12.07	17.56	2.00	0.00	1.00	0.00	12.09	17.51	2.00	0.00	1.00	0.00
12.11	17.53	2.00	0.00	1.00	0.00	12.13	17.55	2.00	0.00	1.00	0.00
12.15	17.78	2.00	0.00	1.00	0.00	12.16	18.21	2.00	0.00	1.00	0.00
12.18	18.23	2.00	0.00	1.00	0.00	12.20	18.20	2.00	0.00	1.00	0.00
12.22	18.45	2.00	0.00	1.00	0.00	12.24	18.38	2.00	0.00	1.00	0.00
12.26	18.33	2.00	0.00	1.00	0.00	12.28	18.28	2.00	0.00	1.00	0.00
12.30	18.05	2.00	0.00	1.00	0.00	12.32	17.67	2.00	0.00	1.00	0.00
12.34	17.30	2.00	0.00	1.00	0.00	12.36	17.20	2.00	0.00	1.00	0.00
12.38	17.17	2.00	0.00	1.00	0.00	12.40	17.15	2.00	0.00	1.00	0.00
12.42	17.13	2.00	0.00	1.00	0.00	12.44	17.24	2.00	0.00	1.00	0.00
12.46	16.88	2.00	0.00	1.00	0.00	12.48	16.63	2.00	0.00	1.00	0.00
12.50	16.23	2.00	0.00	1.00	0.00	12.52	15.51	2.00	0.00	1.00	0.00
12.54	15.33	2.00	0.00	1.00	0.00	12.55	15.04	2.00	0.00	1.00	0.00
12.57	14.98	2.00	0.00	1.00	0.00	12.59	14.91	2.00	0.00	1.00	0.00
12.61	14.85	2.00	0.00	1.00	0.00	12.63	14.09	2.00	0.00	1.00	0.00
12.65	13.58	2.00	0.00	1.00	0.00	12.67	13.15	2.00	0.00	1.00	0.00
12.69	13.04	2.00	0.00	1.00	0.00	12.71	12.98	2.00	0.00	1.00	0.00
12.73	12.94	2.00	0.00	1.00	0.00	12.75	13.18	2.00	0.00	1.00	0.00
12.77	13.41	2.00	0.00	1.00	0.00	12.79	14.11	2.00	0.00	1.00	0.00
12.81	15.01	2.00	0.00	1.00	0.00	12.83	14.86	2.00	0.00	1.00	0.00
12.85	15.40	2.00	0.00	1.00	0.00	12.87	15.94	2.00	0.00	1.00	0.00
12.89	16.28	2.00	0.00	1.00	0.00	12.91	16.07	2.00	0.00	1.00	0.00
12.93	16.14	2.00	0.00	1.00	0.00	12.94	16.21	2.00	0.00	1.00	0.00
12.96	16.45	2.00	0.00	1.00	0.00	12.98	16.96	2.00	0.00	1.00	0.00
13.00	17.79	2.00	0.00	1.00	0.00	13.02	18.19	2.00	0.00	1.00	0.00
13.04	18.03	2.00	0.00	1.00	0.00	13.06	18.14	2.00	0.00	1.00	0.00
13.08	18.25	2.00	0.00	1.00	0.00	13.10	18.01	2.00	0.00	1.00	0.00
13.12	18.00	2.00	0.00	1.00	0.00	13.14	17.99	2.00	0.00	1.00	0.00
13.16	18.00	2.00	0.00	1.00	0.00	13.18	18.18	2.00	0.00	1.00	0.00
13.20	18.55	2.00	0.00	1.00	0.00	13.22	20.09	2.00	0.00	1.00	0.00
13.24	21.36	2.00	0.00	1.00	0.00	13.26	21.89	2.00	0.00	1.00	0.00
13.28	20.92	2.00	0.00	1.00	0.00	13.30	20.52	2.00	0.00	1.00	0.00
13.31	20.31	2.00	0.00	1.00	0.00	13.33	20.26	2.00	0.00	1.00	0.00
13.35	20.24	2.00	0.00	1.00	0.00	13.37	20.39	2.00	0.00	1.00	0.00
13.39	20.54	2.00	0.00	1.00	0.00	13.41	21.95	2.00	0.00	1.00	0.00
13.43	22.00	2.00	0.00	1.00	0.00	13.45	21.36	2.00	0.00	1.00	0.00
13.47	20.66	2.00	0.00	1.00	0.00	13.49	20.56	2.00	0.00	1.00	0.00
13.51	20.61	2.00	0.00	1.00	0.00	13.53	20.65	2.00	0.00	1.00	0.00
13.55	20.76	2.00	0.00	1.00	0.00	13.57	21.27	2.00	0.00	1.00	0.00
13.59	21.85	2.00	0.00	1.00	0.00	13.61	24.15	2.00	0.00	1.00	0.00
13.63	24.64	2.00	0.00	1.00	0.00	13.65	25.31	2.00	0.00	1.00	0.00
13.67	25.37	2.00	0.00	1.00	0.00	13.68	25.10	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.70	24.97	2.00	0.00	1.00	0.00	13.72	23.69	2.00	0.00	1.00	0.00
13.74	23.67	2.00	0.00	1.00	0.00	13.76	23.65	2.00	0.00	1.00	0.00
13.78	23.63	2.00	0.00	1.00	0.00	13.80	23.66	2.00	0.00	1.00	0.00
13.82	24.15	2.00	0.00	1.00	0.00	13.84	23.89	2.00	0.00	1.00	0.00
13.86	23.68	2.00	0.00	1.00	0.00	13.88	23.57	2.00	0.00	1.00	0.00
13.90	22.60	2.00	0.00	1.00	0.00	13.92	21.81	2.00	0.00	1.00	0.00
13.94	21.62	2.00	0.00	1.00	0.00	13.96	21.60	2.00	0.00	1.00	0.00
13.98	21.59	2.00	0.00	1.00	0.00	14.00	21.59	2.00	0.00	1.00	0.00
14.01	21.65	2.00	0.00	1.00	0.00	14.03	21.56	2.00	0.00	1.00	0.00
14.05	21.56	2.00	0.00	1.00	0.00	14.07	21.55	2.00	0.00	1.00	0.00
14.09	22.23	2.00	0.00	1.00	0.00	14.11	22.63	2.00	0.00	1.00	0.00
14.13	21.86	2.00	0.00	1.00	0.00	14.15	21.11	2.00	0.00	1.00	0.00
14.17	21.00	2.00	0.00	1.00	0.00	14.19	20.90	2.00	0.00	1.00	0.00
14.21	20.85	2.00	0.00	1.00	0.00	14.23	20.83	2.00	0.00	1.00	0.00
14.25	20.98	2.00	0.00	1.00	0.00	14.27	21.13	2.00	0.00	1.00	0.00
14.29	21.80	2.00	0.00	1.00	0.00	14.31	23.22	2.00	0.00	1.00	0.00
14.33	23.45	2.00	0.00	1.00	0.00	14.34	22.79	2.00	0.00	1.00	0.00
14.36	21.54	2.00	0.00	1.00	0.00	14.38	21.20	2.00	0.00	1.00	0.00
14.40	20.93	2.00	0.00	1.00	0.00	14.42	20.80	2.00	0.00	1.00	0.00
14.44	20.77	2.00	0.00	1.00	0.00	14.46	20.76	2.00	0.00	1.00	0.00
14.48	20.75	2.00	0.00	1.00	0.00	14.50	20.75	2.00	0.00	1.00	0.00
14.52	20.79	2.00	0.00	1.00	0.00	14.54	20.91	2.00	0.00	1.00	0.00
14.56	21.04	2.00	0.00	1.00	0.00	14.58	21.75	2.00	0.00	1.00	0.00
14.60	23.17	2.00	0.00	1.00	0.00	14.62	24.45	2.00	0.00	1.00	0.00
14.64	22.31	2.00	0.00	1.00	0.00	14.66	19.81	2.00	0.00	1.00	0.00
14.67	17.33	2.00	0.00	1.00	0.00	14.69	16.52	2.00	0.00	1.00	0.00
14.71	15.62	2.00	0.00	1.00	0.00	14.73	15.22	2.00	0.00	1.00	0.00
14.75	15.18	2.00	0.00	1.00	0.00	14.77	15.13	2.00	0.00	1.00	0.00
14.79	15.23	2.00	0.00	1.00	0.00	14.81	14.96	2.00	0.00	1.00	0.00
14.83	14.51	2.00	0.00	1.00	0.00	14.85	14.23	2.00	0.00	1.00	0.00
14.87	14.22	2.00	0.00	1.00	0.00	14.89	14.21	2.00	0.00	1.00	0.00
14.91	14.03	2.00	0.00	1.00	0.00	14.93	13.73	2.00	0.00	1.00	0.00
14.95	13.47	2.00	0.00	1.00	0.00	14.97	13.35	2.00	0.00	1.00	0.00
14.98	13.24	2.00	0.00	1.00	0.00	15.00	13.22	2.00	0.00	1.00	0.00
15.02	13.21	2.00	0.00	1.00	0.00	15.04	13.20	2.00	0.00	1.00	0.00
15.06	13.19	2.00	0.00	1.00	0.00	15.08	13.39	2.00	0.00	1.00	0.00
15.10	13.78	2.00	0.00	1.00	0.00	15.12	13.61	2.00	0.00	1.00	0.00
15.14	13.00	2.00	0.00	1.00	0.00	15.16	12.69	2.00	0.00	1.00	0.00
15.18	12.15	2.00	0.00	1.00	0.00	15.20	11.86	2.00	0.00	1.00	0.00
15.22	11.44	2.00	0.00	1.00	0.00	15.24	11.03	2.00	0.00	1.00	0.00
15.26	10.76	2.00	0.00	1.00	0.00	15.28	10.47	2.00	0.00	1.00	0.00
15.29	10.38	2.00	0.00	1.00	0.00	15.31	10.37	2.00	0.00	1.00	0.00
15.33	10.37	2.00	0.00	1.00	0.00	15.35	10.37	2.00	0.00	1.00	0.00
15.37	10.39	2.00	0.00	1.00	0.00	15.39	10.79	2.00	0.00	1.00	0.00
15.41	11.18	2.00	0.00	1.00	0.00	15.43	11.07	2.00	0.00	1.00	0.00
15.45	10.85	2.00	0.00	1.00	0.00	15.47	10.74	2.00	0.00	1.00	0.00
15.49	10.14	2.00	0.00	1.00	0.00	15.51	9.35	2.00	0.00	1.00	0.00
15.53	8.87	2.00	0.00	1.00	0.00	15.55	8.47	2.00	0.00	1.00	0.00
15.57	8.45	2.00	0.00	1.00	0.00	15.58	8.21	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
15.60	8.01	2.00	0.00	1.00	0.00	15.62	7.99	2.00	0.00	1.00	0.00
15.64	7.99	2.00	0.00	1.00	0.00	15.66	7.98	2.00	0.00	1.00	0.00
15.68	7.98	2.00	0.00	1.00	0.00	15.70	8.51	2.00	0.00	1.00	0.00
15.72	8.87	2.00	0.00	1.00	0.00	15.74	8.94	2.00	0.00	1.00	0.00
15.76	9.01	2.00	0.00	1.00	0.00	15.78	9.42	2.00	0.00	1.00	0.00
15.80	9.61	2.00	0.00	1.00	0.00	15.82	9.29	2.00	0.00	1.00	0.00
15.84	9.08	2.00	0.00	1.00	0.00	15.86	9.02	2.00	0.00	1.00	0.00
15.87	9.01	2.00	0.00	1.00	0.00	15.89	9.01	2.00	0.00	1.00	0.00
15.91	9.00	2.00	0.00	1.00	0.00	15.93	9.43	2.00	0.00	1.00	0.00
15.95	9.94	2.00	0.00	1.00	0.00	15.97	9.87	2.00	0.00	1.00	0.00
15.99	10.26	2.00	0.00	1.00	0.00	16.01	10.64	2.00	0.00	1.00	0.00
16.03	11.76	2.00	0.00	1.00	0.00	16.05	12.86	2.00	0.00	1.00	0.00
16.07	12.39	2.00	0.00	1.00	0.00	16.09	12.74	2.00	0.00	1.00	0.00
16.11	12.81	2.00	0.00	1.00	0.00	16.13	13.16	2.00	0.00	1.00	0.00
16.14	13.76	2.00	0.00	1.00	0.00	16.16	13.63	2.00	0.00	1.00	0.00
16.18	13.66	2.00	0.00	1.00	0.00	16.20	13.81	2.00	0.00	1.00	0.00
16.22	13.79	2.00	0.00	1.00	0.00	16.24	13.45	2.00	0.00	1.00	0.00
16.26	13.20	2.00	0.00	1.00	0.00	16.28	12.44	2.00	0.00	1.00	0.00
16.30	12.37	2.00	0.00	1.00	0.00	16.32	12.14	2.00	0.00	1.00	0.00
16.34	12.33	2.00	0.00	1.00	0.00	16.36	11.92	2.00	0.00	1.00	0.00
16.38	11.87	2.00	0.00	1.00	0.00	16.40	11.06	2.00	0.00	1.00	0.00
16.41	10.75	2.00	0.00	1.00	0.00	16.43	10.62	2.00	0.00	1.00	0.00
16.45	10.58	2.00	0.00	1.00	0.00	16.47	10.64	2.00	0.00	1.00	0.00
16.49	10.70	2.00	0.00	1.00	0.00	16.51	11.19	2.00	0.00	1.00	0.00
16.53	10.62	2.00	0.00	1.00	0.00	16.55	9.85	2.00	0.00	1.00	0.00
16.57	9.30	2.00	0.00	1.00	0.00	16.59	9.07	2.00	0.00	1.00	0.00
16.61	8.29	2.00	0.00	1.00	0.00	16.63	8.29	2.00	0.00	1.00	0.00
16.65	8.29	2.00	0.00	1.00	0.00	16.67	8.34	2.00	0.00	1.00	0.00
16.68	8.47	2.00	0.00	1.00	0.00	16.70	9.75	2.00	0.00	1.00	0.00
16.72	9.82	2.00	0.00	1.00	0.00	16.74	9.61	2.00	0.00	1.00	0.00
16.76	9.20	2.00	0.00	1.00	0.00	16.78	8.71	2.00	0.00	1.00	0.00
16.80	8.15	2.00	0.00	1.00	0.00	16.82	8.07	2.00	0.00	1.00	0.00
16.84	8.06	2.00	0.00	1.00	0.00	16.86	8.06	2.00	0.00	1.00	0.00
16.88	8.06	2.00	0.00	1.00	0.00	16.90	8.07	2.00	0.00	1.00	0.00
16.92	8.39	2.00	0.00	1.00	0.00	16.93	8.22	2.00	0.00	1.00	0.00
16.95	8.21	2.00	0.00	1.00	0.00	16.97	8.21	2.00	0.00	1.00	0.00
16.99	8.23	2.00	0.00	1.00	0.00	17.01	8.28	2.00	0.00	1.00	0.00
17.03	8.38	2.00	0.00	1.00	0.00	17.05	8.48	2.00	0.00	1.00	0.00
17.07	8.68	2.00	0.00	1.00	0.00	17.09	8.47	2.00	0.00	1.00	0.00
17.11	8.43	2.00	0.00	1.00	0.00	17.13	8.40	2.00	0.00	1.00	0.00
17.15	8.34	2.00	0.00	1.00	0.00	17.17	8.33	2.00	0.00	1.00	0.00
17.18	8.34	2.00	0.00	1.00	0.00	17.20	8.35	2.00	0.00	1.00	0.00
17.22	8.38	2.00	0.00	1.00	0.00	17.24	8.41	2.00	0.00	1.00	0.00
17.26	8.52	2.00	0.00	1.00	0.00	17.28	8.93	2.00	0.00	1.00	0.00
17.30	9.36	2.00	0.00	1.00	0.00	17.32	9.59	2.00	0.00	1.00	0.00
17.34	9.50	2.00	0.00	1.00	0.00	17.36	9.51	2.00	0.00	1.00	0.00
17.38	9.51	2.00	0.00	1.00	0.00	17.40	9.55	2.00	0.00	1.00	0.00
17.41	9.65	2.00	0.00	1.00	0.00	17.43	10.06	2.00	0.00	1.00	0.00
17.45	10.28	2.00	0.00	1.00	0.00	17.47	11.32	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
17.49	12.24	2.00	0.00	1.00	0.00	17.51	12.55	2.00	0.00	1.00	0.00
17.53	12.28	2.00	0.00	1.00	0.00	17.55	12.24	2.00	0.00	1.00	0.00
17.57	12.24	2.00	0.00	1.00	0.00	17.59	12.24	2.00	0.00	1.00	0.00
17.61	12.26	2.00	0.00	1.00	0.00	17.63	13.01	2.00	0.00	1.00	0.00
17.64	13.49	2.00	0.00	1.00	0.00	17.66	18.22	2.00	0.00	1.00	0.00
17.68	16.76	2.00	0.00	1.00	0.00	17.70	14.00	2.00	0.00	1.00	0.00
17.72	13.10	2.00	0.00	1.00	0.00	17.74	12.65	2.00	0.00	1.00	0.00
17.76	12.64	2.00	0.00	1.00	0.00	17.78	12.64	2.00	0.00	1.00	0.00
17.80	12.63	2.00	0.00	1.00	0.00	17.82	12.68	2.00	0.00	1.00	0.00
17.84	12.33	2.00	0.00	1.00	0.00	17.86	11.78	2.00	0.00	1.00	0.00
17.87	11.80	2.00	0.00	1.00	0.00	17.89	11.83	2.00	0.00	1.00	0.00
17.91	11.89	2.00	0.00	1.00	0.00	17.93	12.01	2.00	0.00	1.00	0.00
17.95	12.47	2.00	0.00	1.00	0.00	17.97	13.17	2.00	0.00	1.00	0.00
17.99	12.56	2.00	0.00	1.00	0.00	18.01	12.36	2.00	0.00	1.00	0.00
18.03	11.47	2.00	0.00	1.00	0.00	18.05	11.32	2.00	0.00	1.00	0.00
18.07	11.28	2.00	0.00	1.00	0.00	18.08	11.30	2.00	0.00	1.00	0.00
18.10	11.32	2.00	0.00	1.00	0.00	18.12	11.39	2.00	0.00	1.00	0.00
18.14	11.53	2.00	0.00	1.00	0.00	18.16	11.76	2.00	0.00	1.00	0.00
18.18	11.43	2.00	0.00	1.00	0.00	18.20	10.98	2.00	0.00	1.00	0.00
18.22	10.40	2.00	0.00	1.00	0.00	18.24	9.52	2.00	0.00	1.00	0.00
18.26	9.33	2.00	0.00	1.00	0.00	18.28	9.43	2.00	0.00	1.00	0.00
18.29	9.30	2.00	0.00	1.00	0.00	18.31	9.22	2.00	0.00	1.00	0.00
18.33	9.32	2.00	0.00	1.00	0.00	18.35	9.17	2.00	0.00	1.00	0.00
18.37	9.09	2.00	0.00	1.00	0.00	18.39	9.06	2.00	0.00	1.00	0.00
18.41	9.07	2.00	0.00	1.00	0.00	18.43	9.07	2.00	0.00	1.00	0.00
18.45	10.05	2.00	0.00	1.00	0.00	18.47	10.25	2.00	0.00	1.00	0.00
18.49	9.57	2.00	0.00	1.00	0.00	18.50	8.92	2.00	0.00	1.00	0.00

Total estimated settlement: 0.30

Abbreviations

$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
FS: Factor of safety against liquefaction
e_v (%): Post-liquefaction volumentric strain
DF: e_v depth weighting factor
Settlement: Calculated settlement

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Via Maestra di Bagazzano, 97
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stefania.asti@tin.it

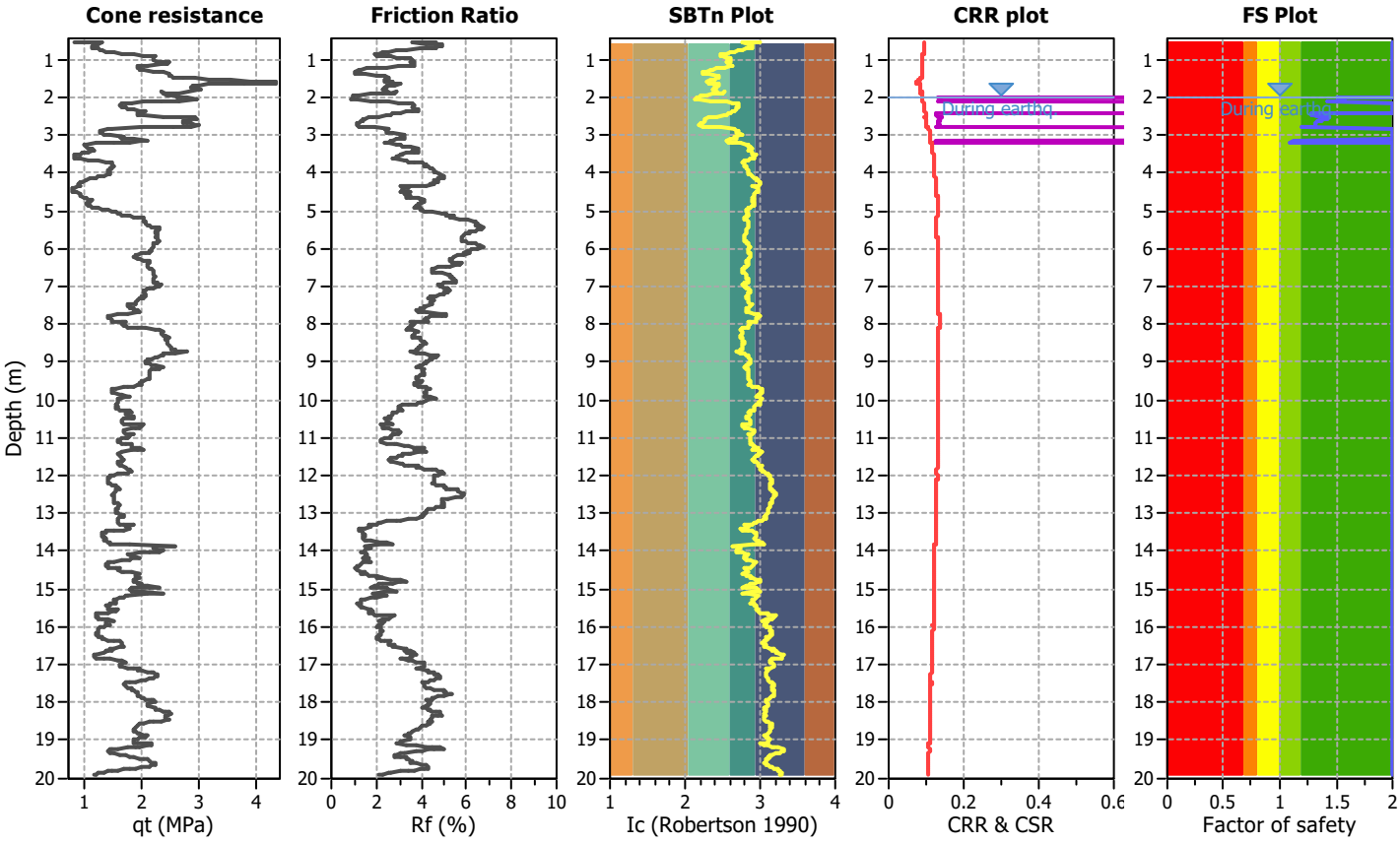
LIQUEFACTION ANALYSIS REPORT

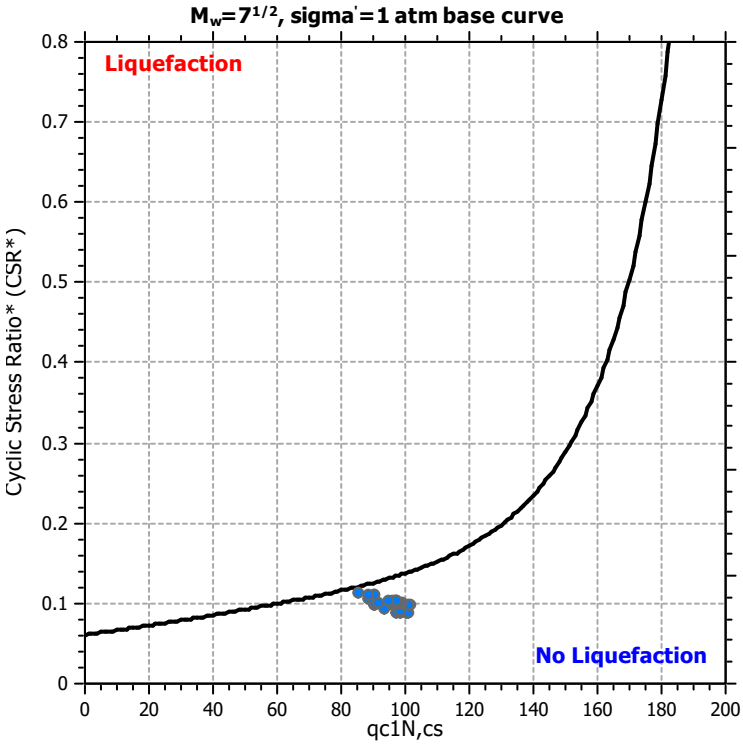
Project title : Adeguamento MZS 3° livello Sorbolo-Mezzani **Location : Sorbolo-Mezzani**

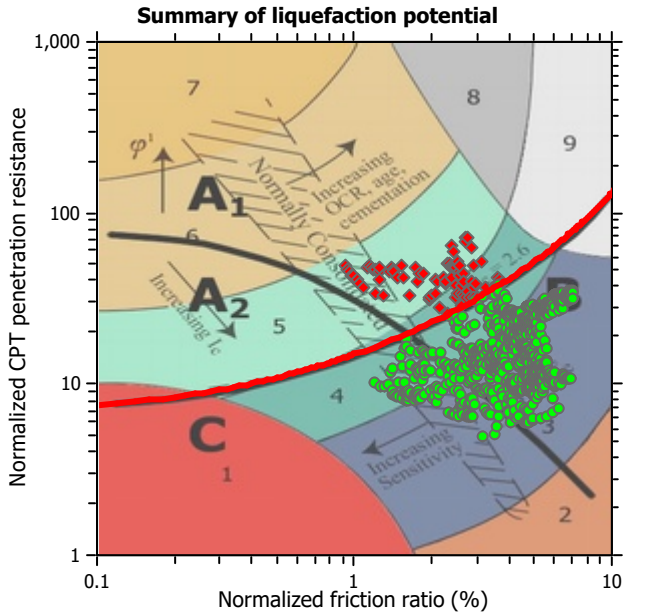
CPT file : P318 - CPTu-24

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	2.00 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	1	Fill weight:	N/A	Limit depth:	20.00 m
Earthquake magnitude M_w:	5.80	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method based
Peak ground acceleration:	0.13	Unit weight calculation:	Based on SBT	K_σ applied:	No		

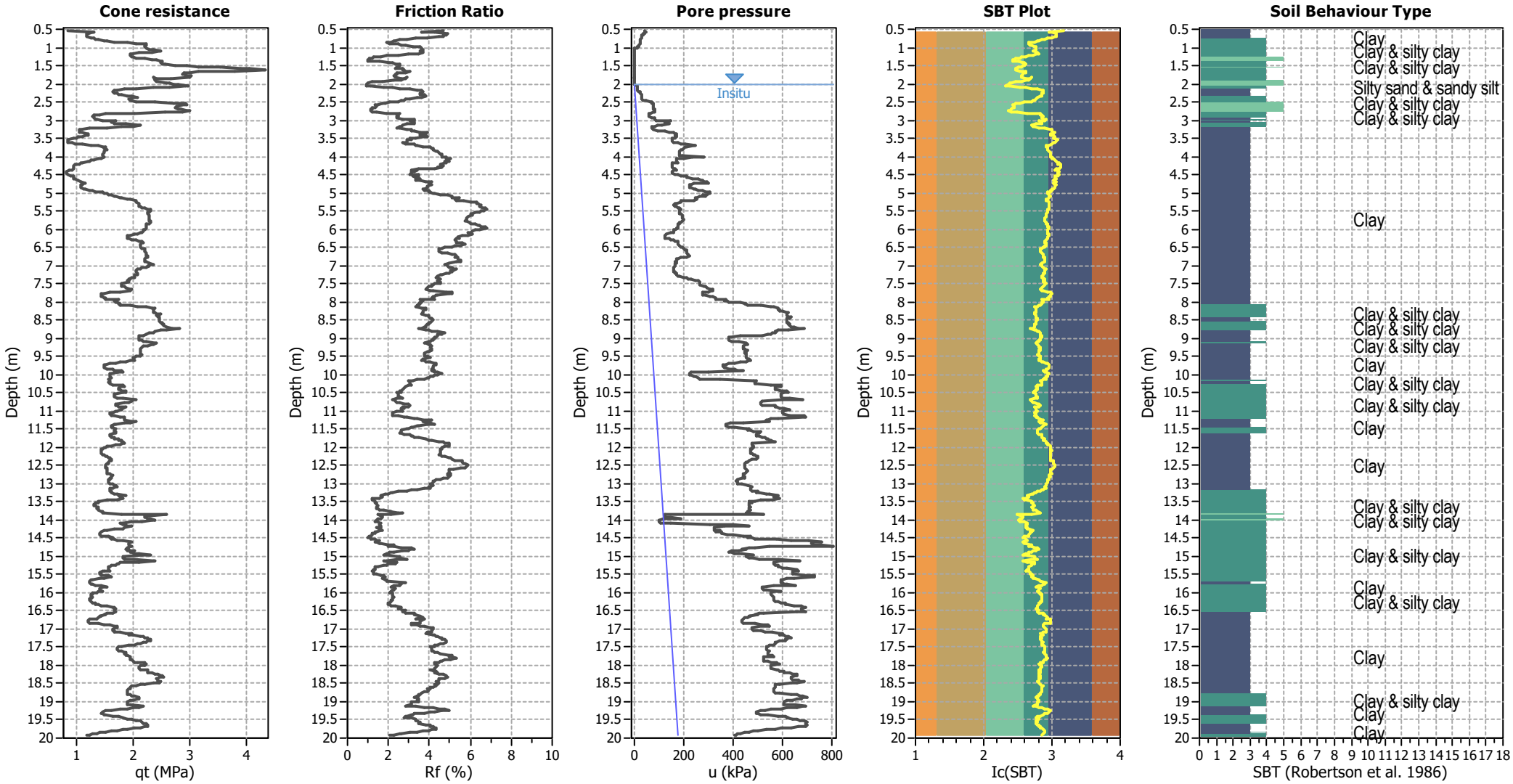






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



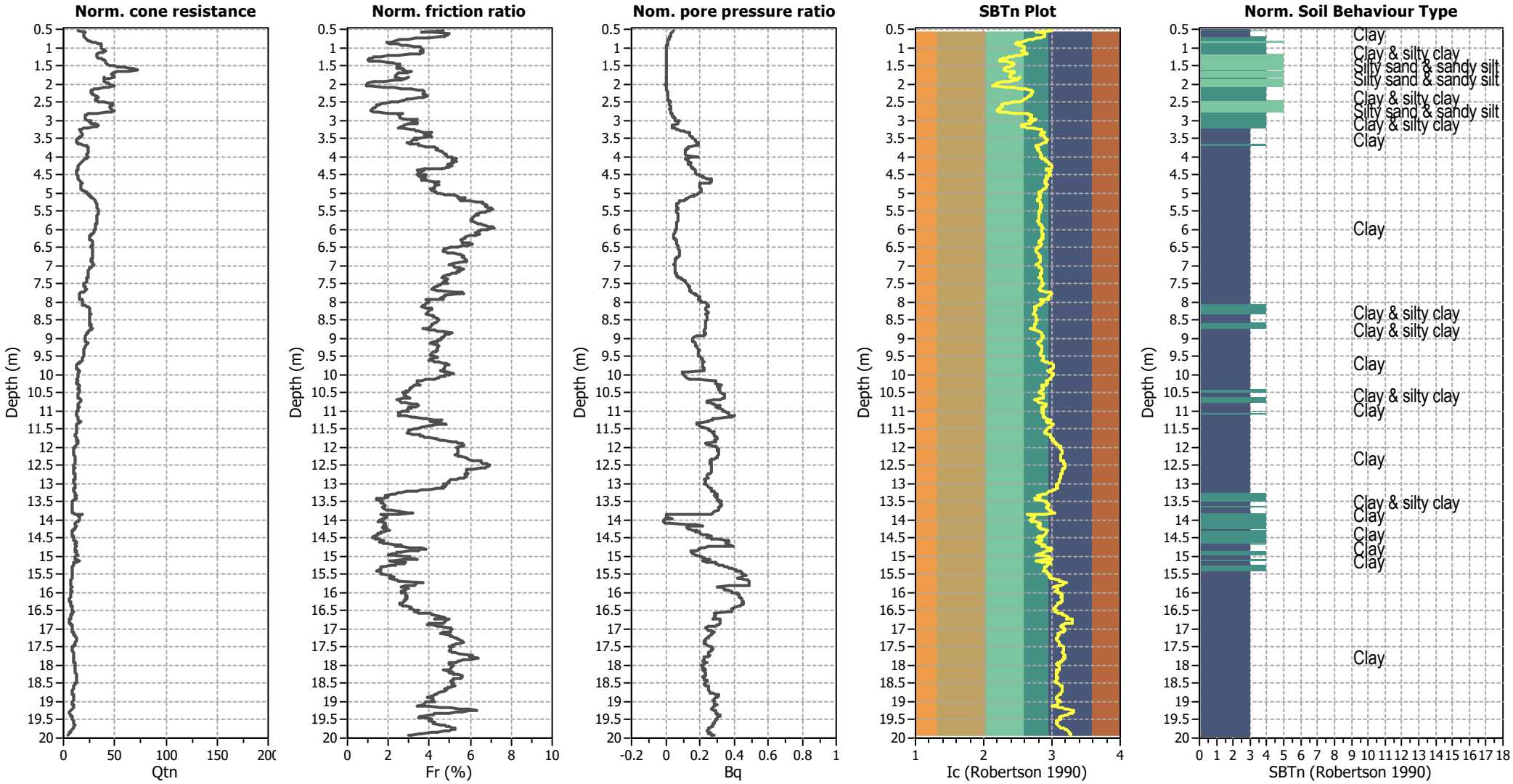
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBT legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

CPT basic interpretation plots (normalized)



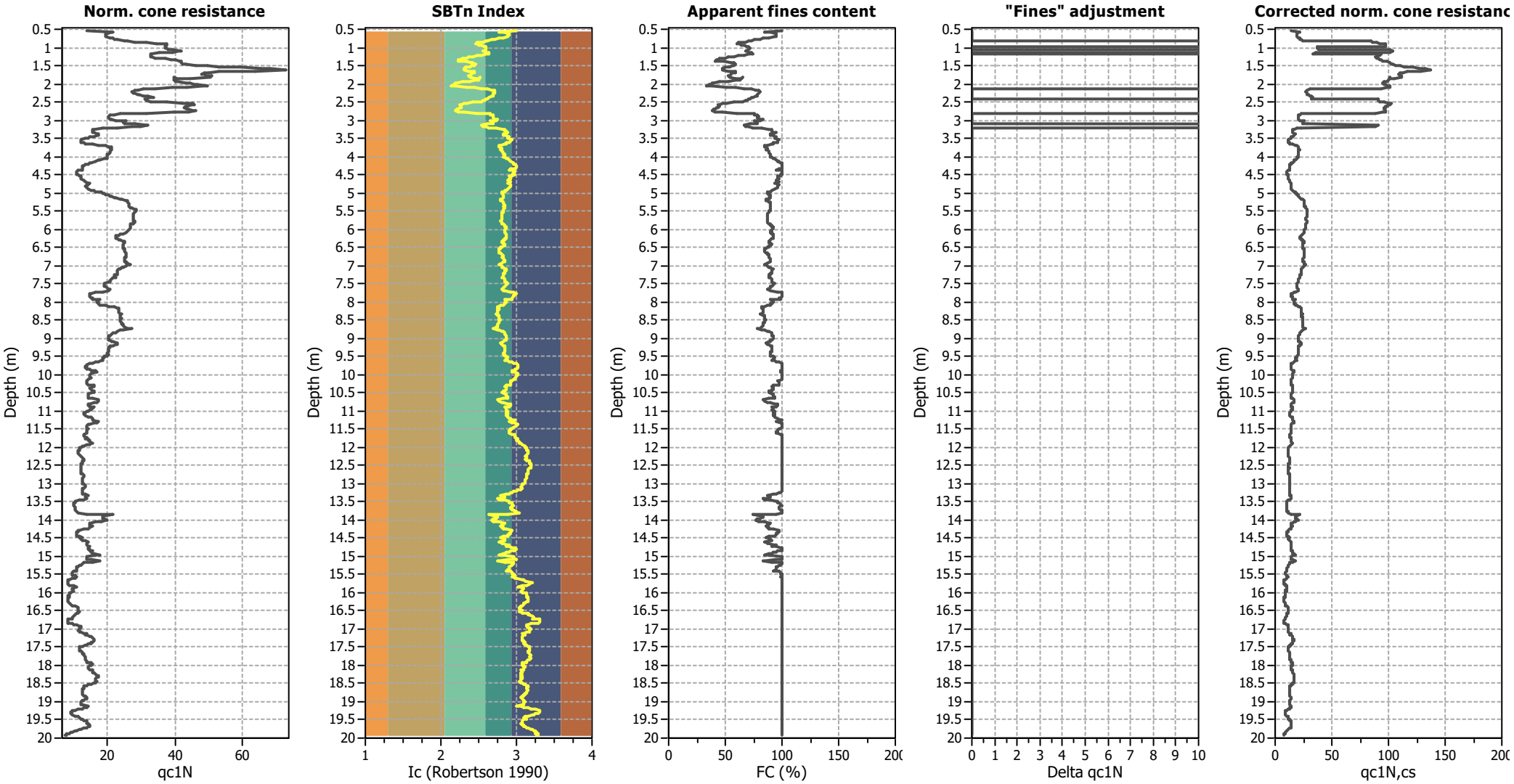
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

SBTn legend

1. Sensitive fine grained
2. Organic material
3. Clay to silty clay
4. Clayey silt to silty
5. Silty sand to sandy silt
6. Clean sand to silty sand
7. Gravely sand to sand
8. Very stiff sand to
9. Very stiff fine grained

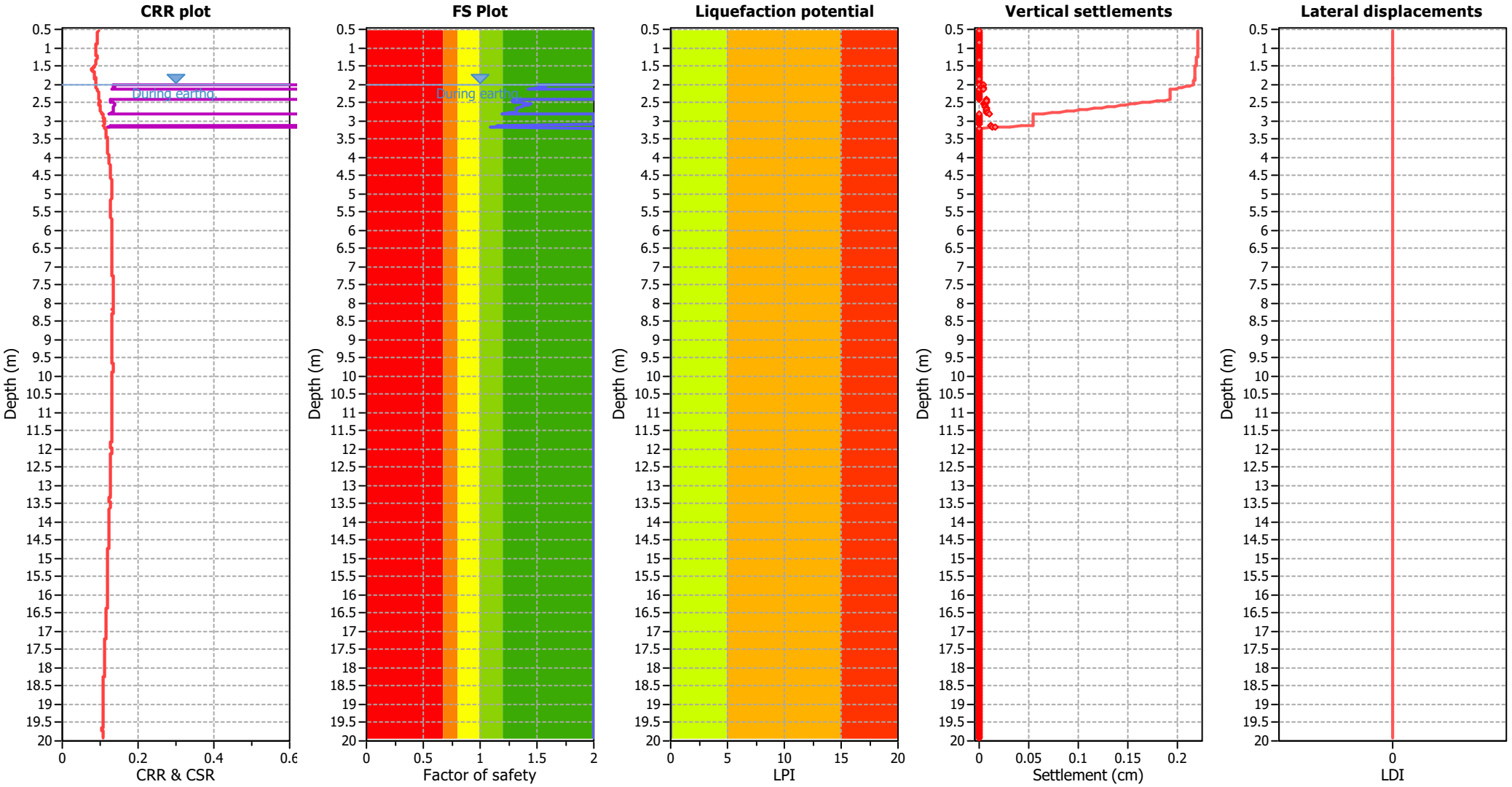
Liquefaction analysis overall plots (intermediate results)



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

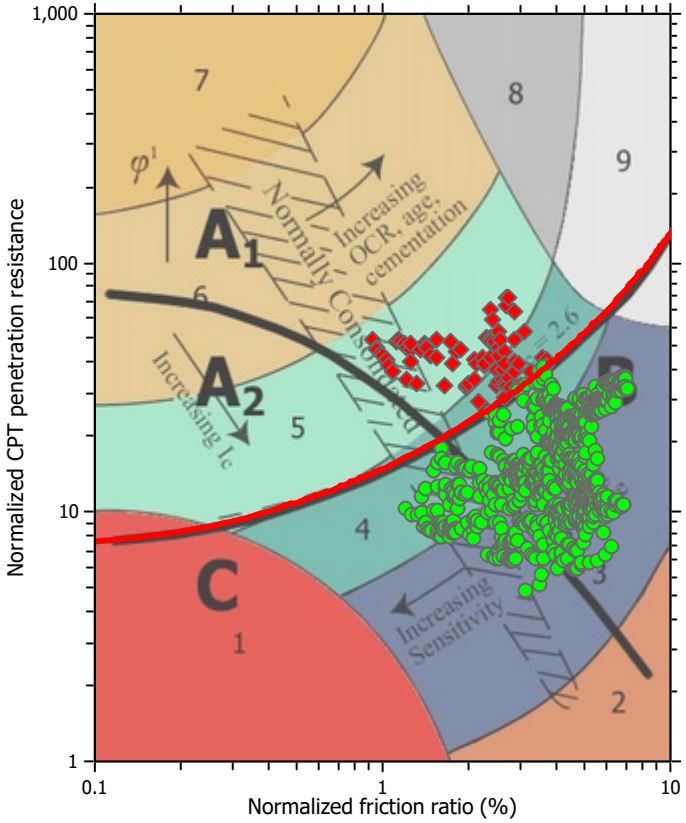
F.S. color scheme

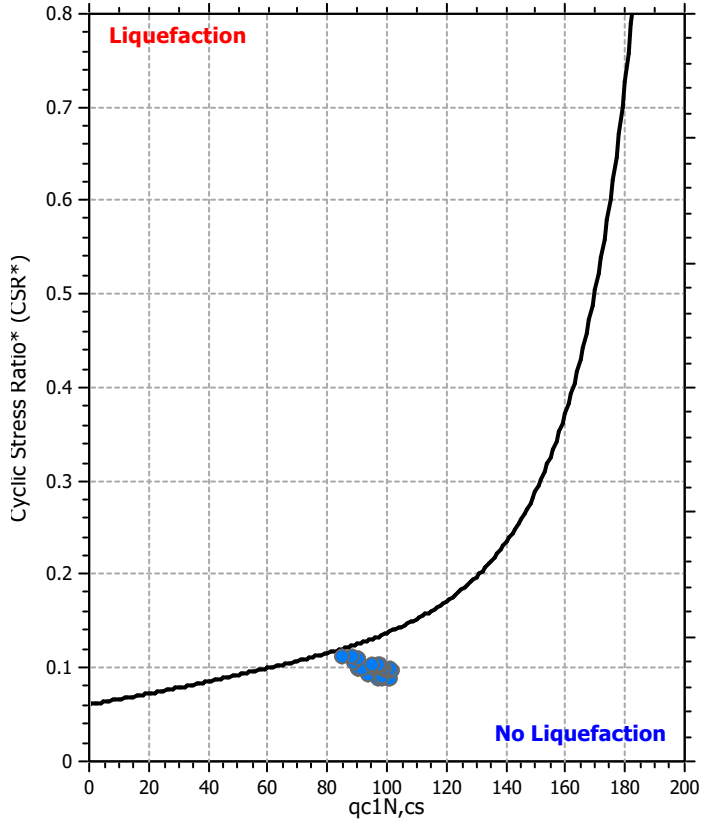
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

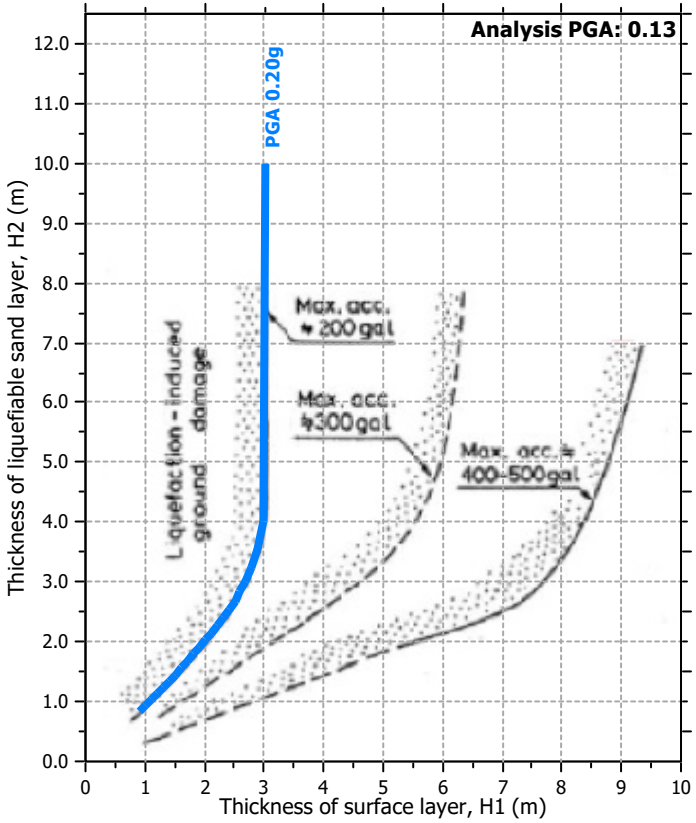
LPI color scheme

- Very high risk
- High risk
- Low risk

Liquefaction analysis summary plots



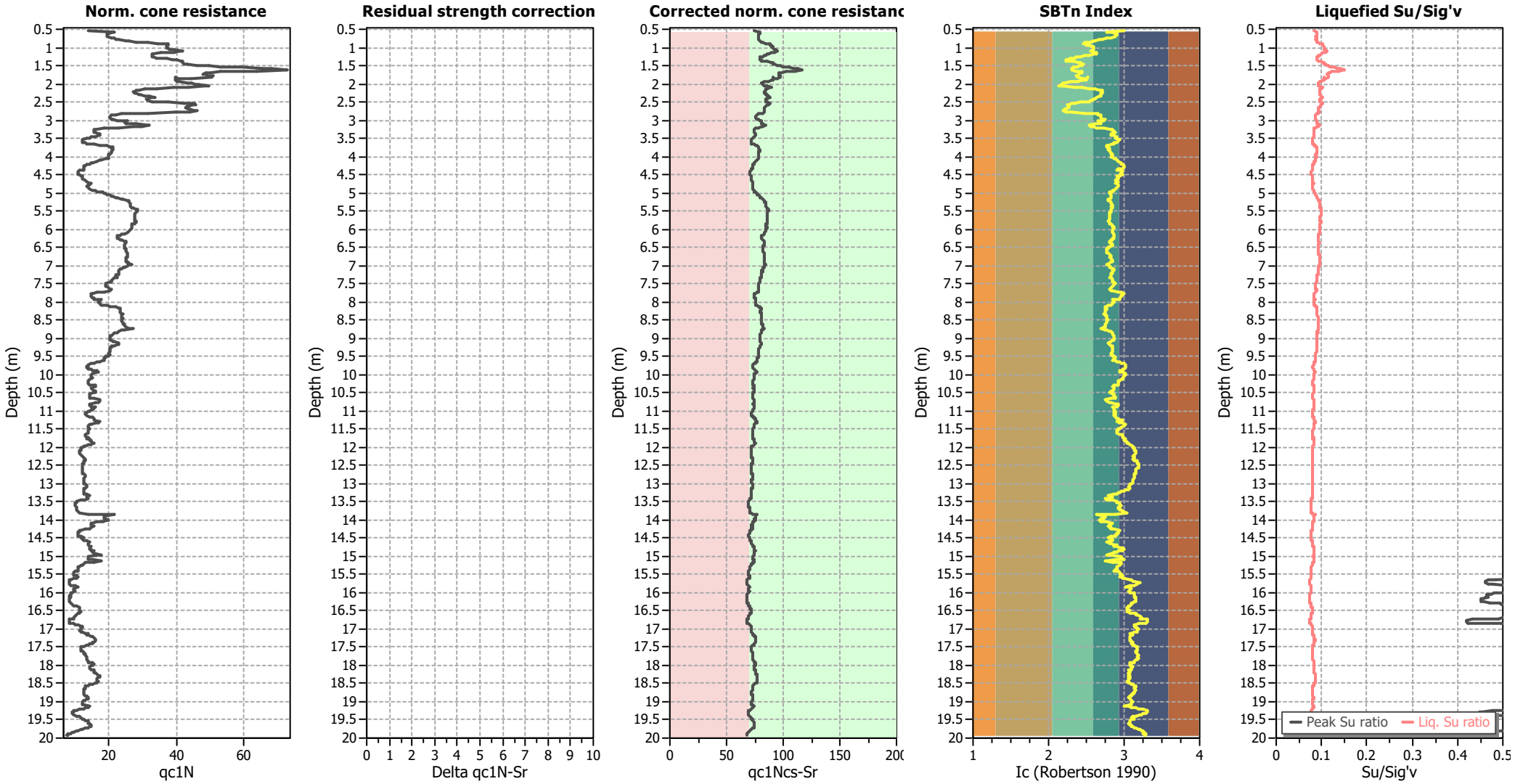




Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

Check for strength loss plots (Idriss & Boulanger (2008))



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	2.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	1	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	No
Earthquake magnitude M_w:	5.80	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.13	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	20.00 m

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
0.54	2.00	0.00	0.00	0.02	0.00	0.56	2.00	0.00	0.00	0.02	0.00
0.58	2.00	0.00	0.00	0.02	0.00	0.60	2.00	0.00	0.00	0.02	0.00
0.62	2.00	0.00	0.00	0.02	0.00	0.64	2.00	0.00	0.00	0.02	0.00
0.66	2.00	0.00	0.00	0.02	0.00	0.68	2.00	0.00	0.00	0.02	0.00
0.70	2.00	0.00	0.00	0.02	0.00	0.72	2.00	0.00	0.00	0.02	0.00
0.74	2.00	0.00	0.00	0.02	0.00	0.76	2.00	0.00	0.00	0.02	0.00
0.78	2.00	0.00	0.00	0.02	0.00	0.80	2.00	0.00	0.00	0.02	0.00
0.82	2.00	0.00	0.00	0.02	0.00	0.84	2.00	0.00	0.00	0.02	0.00
0.86	2.00	0.00	0.00	0.02	0.00	0.88	2.00	0.00	0.00	0.02	0.00
0.90	2.00	0.00	0.00	0.02	0.00	0.92	2.00	0.00	0.00	0.02	0.00
0.94	2.00	0.00	0.00	0.02	0.00	0.96	2.00	0.00	0.00	0.02	0.00
0.98	2.00	0.00	0.00	0.02	0.00	1.00	2.00	0.00	0.00	0.02	0.00
1.02	2.00	0.00	0.00	0.02	0.00	1.04	2.00	0.00	0.00	0.02	0.00
1.06	2.00	0.00	0.00	0.02	0.00	1.08	2.00	0.00	0.00	0.02	0.00
1.10	2.00	0.00	0.00	0.02	0.00	1.12	2.00	0.00	0.00	0.02	0.00
1.14	2.00	0.00	0.00	0.02	0.00	1.16	2.00	0.00	0.00	0.02	0.00
1.18	2.00	0.00	0.00	0.02	0.00	1.20	2.00	0.00	0.00	0.02	0.00
1.22	2.00	0.00	0.00	0.02	0.00	1.24	2.00	0.00	0.00	0.02	0.00
1.26	2.00	0.00	0.00	0.02	0.00	1.28	2.00	0.00	0.00	0.02	0.00
1.30	2.00	0.00	0.00	0.02	0.00	1.32	2.00	0.00	0.00	0.02	0.00
1.34	2.00	0.00	0.00	0.02	0.00	1.36	2.00	0.00	0.00	0.02	0.00
1.38	2.00	0.00	0.00	0.02	0.00	1.40	2.00	0.00	0.00	0.02	0.00
1.42	2.00	0.00	0.00	0.02	0.00	1.44	2.00	0.00	0.00	0.02	0.00
1.46	2.00	0.00	0.00	0.02	0.00	1.48	2.00	0.00	0.00	0.02	0.00
1.50	2.00	0.00	0.00	0.02	0.00	1.52	2.00	0.00	0.00	0.02	0.00
1.54	2.00	0.00	0.00	0.02	0.00	1.56	2.00	0.00	0.00	0.02	0.00
1.58	2.00	0.00	0.00	0.02	0.00	1.60	2.00	0.00	0.00	0.02	0.00
1.62	2.00	0.00	0.00	0.02	0.00	1.64	2.00	0.00	0.00	0.02	0.00
1.66	2.00	0.00	0.00	0.02	0.00	1.68	2.00	0.00	0.00	0.02	0.00
1.70	2.00	0.00	0.00	0.02	0.00	1.72	2.00	0.00	0.00	0.02	0.00
1.74	2.00	0.00	0.00	0.02	0.00	1.76	2.00	0.00	0.00	0.02	0.00
1.78	2.00	0.00	0.00	0.02	0.00	1.80	2.00	0.00	0.00	0.02	0.00
1.87	2.00	0.00	0.00	0.07	0.00	1.87	2.00	0.00	0.00	0.00	0.00
1.82	2.00	0.00	0.00	0.05	0.00	1.88	2.00	0.00	0.00	0.06	0.00
1.90	2.00	0.00	0.00	0.02	0.00	1.92	2.00	0.00	0.00	0.02	0.00
1.94	2.00	0.00	0.00	0.02	0.00	1.96	2.00	0.00	0.00	0.02	0.00
1.98	2.00	0.00	0.00	0.02	0.00	2.00	2.00	0.00	0.00	0.02	0.00
2.02	1.52	0.00	0.00	0.02	0.00	2.04	1.54	0.00	0.00	0.02	0.00
2.06	1.57	0.00	0.00	0.02	0.00	2.08	1.58	0.00	0.00	0.02	0.00
2.10	1.51	0.00	0.00	0.02	0.00	2.12	1.42	0.00	0.00	0.02	0.00
2.14	2.00	0.00	0.00	0.02	0.00	2.16	2.00	0.00	0.00	0.02	0.00
2.18	2.00	0.00	0.00	0.02	0.00	2.20	2.00	0.00	0.00	0.02	0.00
2.22	2.00	0.00	0.00	0.02	0.00	2.24	2.00	0.00	0.00	0.02	0.00
2.26	2.00	0.00	0.00	0.02	0.00	2.28	2.00	0.00	0.00	0.02	0.00
2.30	2.00	0.00	0.00	0.02	0.00	2.32	2.00	0.00	0.00	0.02	0.00
2.34	2.00	0.00	0.00	0.02	0.00	2.36	2.00	0.00	0.00	0.02	0.00
2.38	2.00	0.00	0.00	0.02	0.00	2.40	2.00	0.00	0.00	0.02	0.00
2.42	1.29	0.00	0.00	0.02	0.00	2.44	1.29	0.00	0.00	0.02	0.00
2.46	1.28	0.00	0.00	0.02	0.00	2.48	1.29	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
2.50	1.35	0.00	0.00	0.02	0.00	2.52	1.41	0.00	0.00	0.02	0.00
2.54	1.45	0.00	0.00	0.02	0.00	2.56	1.43	0.00	0.00	0.02	0.00
2.58	1.39	0.00	0.00	0.02	0.00	2.60	1.37	0.00	0.00	0.02	0.00
2.62	1.35	0.00	0.00	0.02	0.00	2.64	1.34	0.00	0.00	0.02	0.00
2.66	1.32	0.00	0.00	0.02	0.00	2.68	1.32	0.00	0.00	0.02	0.00
2.70	1.32	0.00	0.00	0.02	0.00	2.72	1.32	0.00	0.00	0.02	0.00
2.74	1.32	0.00	0.00	0.02	0.00	2.76	1.31	0.00	0.00	0.02	0.00
2.78	1.27	0.00	0.00	0.02	0.00	2.80	1.19	0.00	0.00	0.02	0.00
2.82	2.00	0.00	0.00	0.02	0.00	2.84	2.00	0.00	0.00	0.02	0.00
2.86	2.00	0.00	0.00	0.02	0.00	2.88	2.00	0.00	0.00	0.02	0.00
2.90	2.00	0.00	0.00	0.02	0.00	2.92	2.00	0.00	0.00	0.02	0.00
2.94	2.00	0.00	0.00	0.02	0.00	2.96	2.00	0.00	0.00	0.02	0.00
2.98	2.00	0.00	0.00	0.02	0.00	3.00	2.00	0.00	0.00	0.02	0.00
3.02	2.00	0.00	0.00	0.02	0.00	3.04	2.00	0.00	0.00	0.02	0.00
3.06	2.00	0.00	0.00	0.02	0.00	3.08	2.00	0.00	0.00	0.02	0.00
3.10	2.00	0.00	0.00	0.02	0.00	3.12	1.16	0.00	0.00	0.02	0.00
3.14	1.16	0.00	0.00	0.02	0.00	3.16	1.13	0.00	0.00	0.02	0.00
3.18	1.09	0.00	0.00	0.02	0.00	3.20	2.00	0.00	0.00	0.02	0.00
3.22	2.00	0.00	0.00	0.02	0.00	3.24	2.00	0.00	0.00	0.02	0.00
3.26	2.00	0.00	0.00	0.02	0.00	3.28	2.00	0.00	0.00	0.02	0.00
3.30	2.00	0.00	0.00	0.02	0.00	3.32	2.00	0.00	0.00	0.02	0.00
3.34	2.00	0.00	0.00	0.02	0.00	3.36	2.00	0.00	0.00	0.02	0.00
3.38	2.00	0.00	0.00	0.02	0.00	3.40	2.00	0.00	0.00	0.02	0.00
3.42	2.00	0.00	0.00	0.02	0.00	3.44	2.00	0.00	0.00	0.02	0.00
3.46	2.00	0.00	0.00	0.02	0.00	3.48	2.00	0.00	0.00	0.02	0.00
3.50	2.00	0.00	0.00	0.02	0.00	3.52	2.00	0.00	0.00	0.02	0.00
3.54	2.00	0.00	0.00	0.02	0.00	3.56	2.00	0.00	0.00	0.02	0.00
3.59	2.00	0.00	0.00	0.03	0.00	3.60	2.00	0.00	0.00	0.01	0.00
3.62	2.00	0.00	0.00	0.02	0.00	3.64	2.00	0.00	0.00	0.02	0.00
3.66	2.00	0.00	0.00	0.02	0.00	3.68	2.00	0.00	0.00	0.02	0.00
3.70	2.00	0.00	0.00	0.02	0.00	3.72	2.00	0.00	0.00	0.02	0.00
3.74	2.00	0.00	0.00	0.02	0.00	3.76	2.00	0.00	0.00	0.02	0.00
3.78	2.00	0.00	0.00	0.02	0.00	3.80	2.00	0.00	0.00	0.02	0.00
3.82	2.00	0.00	0.00	0.02	0.00	3.84	2.00	0.00	0.00	0.02	0.00
3.86	2.00	0.00	0.00	0.02	0.00	3.88	2.00	0.00	0.00	0.02	0.00
3.90	2.00	0.00	0.00	0.02	0.00	3.92	2.00	0.00	0.00	0.02	0.00
3.94	2.00	0.00	0.00	0.02	0.00	3.96	2.00	0.00	0.00	0.02	0.00
3.98	2.00	0.00	0.00	0.02	0.00	4.00	2.00	0.00	0.00	0.02	0.00
4.02	2.00	0.00	0.00	0.02	0.00	4.04	2.00	0.00	0.00	0.02	0.00
4.06	2.00	0.00	0.00	0.02	0.00	4.08	2.00	0.00	0.00	0.02	0.00
4.10	2.00	0.00	0.00	0.02	0.00	4.12	2.00	0.00	0.00	0.02	0.00
4.14	2.00	0.00	0.00	0.02	0.00	4.16	2.00	0.00	0.00	0.02	0.00
4.18	2.00	0.00	0.00	0.02	0.00	4.20	2.00	0.00	0.00	0.02	0.00
4.22	2.00	0.00	0.00	0.02	0.00	4.24	2.00	0.00	0.00	0.02	0.00
4.26	2.00	0.00	0.00	0.02	0.00	4.28	2.00	0.00	0.00	0.02	0.00
4.30	2.00	0.00	0.00	0.02	0.00	4.32	2.00	0.00	0.00	0.02	0.00
4.34	2.00	0.00	0.00	0.02	0.00	4.36	2.00	0.00	0.00	0.02	0.00
4.38	2.00	0.00	0.00	0.02	0.00	4.40	2.00	0.00	0.00	0.02	0.00
4.42	2.00	0.00	0.00	0.02	0.00	4.44	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
4.46	2.00	0.00	0.00	0.02	0.00	4.48	2.00	0.00	0.00	0.02	0.00
4.50	2.00	0.00	0.00	0.02	0.00	4.52	2.00	0.00	0.00	0.02	0.00
4.54	2.00	0.00	0.00	0.02	0.00	4.56	2.00	0.00	0.00	0.02	0.00
4.58	2.00	0.00	0.00	0.02	0.00	4.60	2.00	0.00	0.00	0.02	0.00
4.62	2.00	0.00	0.00	0.02	0.00	4.64	2.00	0.00	0.00	0.02	0.00
4.66	2.00	0.00	0.00	0.02	0.00	4.68	2.00	0.00	0.00	0.02	0.00
4.70	2.00	0.00	0.00	0.02	0.00	4.72	2.00	0.00	0.00	0.02	0.00
4.74	2.00	0.00	0.00	0.02	0.00	4.76	2.00	0.00	0.00	0.02	0.00
4.78	2.00	0.00	0.00	0.02	0.00	4.80	2.00	0.00	0.00	0.02	0.00
4.82	2.00	0.00	0.00	0.02	0.00	4.84	2.00	0.00	0.00	0.02	0.00
4.86	2.00	0.00	0.00	0.02	0.00	4.88	2.00	0.00	0.00	0.02	0.00
4.90	2.00	0.00	0.00	0.02	0.00	4.92	2.00	0.00	0.00	0.02	0.00
4.94	2.00	0.00	0.00	0.02	0.00	4.96	2.00	0.00	0.00	0.02	0.00
4.98	2.00	0.00	0.00	0.02	0.00	5.00	2.00	0.00	0.00	0.02	0.00
5.02	2.00	0.00	0.00	0.02	0.00	5.04	2.00	0.00	0.00	0.02	0.00
5.06	2.00	0.00	0.00	0.02	0.00	5.08	2.00	0.00	0.00	0.02	0.00
5.10	2.00	0.00	0.00	0.02	0.00	5.12	2.00	0.00	0.00	0.02	0.00
5.14	2.00	0.00	0.00	0.02	0.00	5.16	2.00	0.00	0.00	0.02	0.00
5.19	2.00	0.00	0.00	0.03	0.00	5.20	2.00	0.00	0.00	0.01	0.00
5.22	2.00	0.00	0.00	0.02	0.00	5.24	2.00	0.00	0.00	0.02	0.00
5.26	2.00	0.00	0.00	0.02	0.00	5.28	2.00	0.00	0.00	0.02	0.00
5.30	2.00	0.00	0.00	0.02	0.00	5.32	2.00	0.00	0.00	0.02	0.00
5.34	2.00	0.00	0.00	0.02	0.00	5.36	2.00	0.00	0.00	0.02	0.00
5.38	2.00	0.00	0.00	0.02	0.00	5.40	2.00	0.00	0.00	0.02	0.00
5.42	2.00	0.00	0.00	0.02	0.00	5.44	2.00	0.00	0.00	0.02	0.00
5.46	2.00	0.00	0.00	0.02	0.00	5.48	2.00	0.00	0.00	0.02	0.00
5.50	2.00	0.00	0.00	0.02	0.00	5.52	2.00	0.00	0.00	0.02	0.00
5.54	2.00	0.00	0.00	0.02	0.00	5.56	2.00	0.00	0.00	0.02	0.00
5.58	2.00	0.00	0.00	0.02	0.00	5.60	2.00	0.00	0.00	0.02	0.00
5.62	2.00	0.00	0.00	0.02	0.00	5.64	2.00	0.00	0.00	0.02	0.00
5.66	2.00	0.00	0.00	0.02	0.00	5.68	2.00	0.00	0.00	0.02	0.00
5.70	2.00	0.00	0.00	0.02	0.00	5.72	2.00	0.00	0.00	0.02	0.00
5.74	2.00	0.00	0.00	0.02	0.00	5.76	2.00	0.00	0.00	0.02	0.00
5.78	2.00	0.00	0.00	0.02	0.00	5.80	2.00	0.00	0.00	0.02	0.00
5.82	2.00	0.00	0.00	0.02	0.00	5.84	2.00	0.00	0.00	0.02	0.00
5.86	2.00	0.00	0.00	0.02	0.00	5.88	2.00	0.00	0.00	0.02	0.00
5.90	2.00	0.00	0.00	0.02	0.00	5.92	2.00	0.00	0.00	0.02	0.00
5.94	2.00	0.00	0.00	0.02	0.00	5.96	2.00	0.00	0.00	0.02	0.00
5.98	2.00	0.00	0.00	0.02	0.00	6.00	2.00	0.00	0.00	0.02	0.00
6.02	2.00	0.00	0.00	0.02	0.00	6.04	2.00	0.00	0.00	0.02	0.00
6.06	2.00	0.00	0.00	0.02	0.00	6.08	2.00	0.00	0.00	0.02	0.00
6.10	2.00	0.00	0.00	0.02	0.00	6.12	2.00	0.00	0.00	0.02	0.00
6.14	2.00	0.00	0.00	0.02	0.00	6.16	2.00	0.00	0.00	0.02	0.00
6.18	2.00	0.00	0.00	0.02	0.00	6.20	2.00	0.00	0.00	0.02	0.00
6.22	2.00	0.00	0.00	0.02	0.00	6.24	2.00	0.00	0.00	0.02	0.00
6.26	2.00	0.00	0.00	0.02	0.00	6.28	2.00	0.00	0.00	0.02	0.00
6.30	2.00	0.00	0.00	0.02	0.00	6.32	2.00	0.00	0.00	0.02	0.00
6.34	2.00	0.00	0.00	0.02	0.00	6.36	2.00	0.00	0.00	0.02	0.00
6.38	2.00	0.00	0.00	0.02	0.00	6.40	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
6.42	2.00	0.00	0.00	0.02	0.00	6.44	2.00	0.00	0.00	0.02	0.00
6.46	2.00	0.00	0.00	0.02	0.00	6.48	2.00	0.00	0.00	0.02	0.00
6.50	2.00	0.00	0.00	0.02	0.00	6.52	2.00	0.00	0.00	0.02	0.00
6.54	2.00	0.00	0.00	0.02	0.00	6.56	2.00	0.00	0.00	0.02	0.00
6.58	2.00	0.00	0.00	0.02	0.00	6.60	2.00	0.00	0.00	0.02	0.00
6.62	2.00	0.00	0.00	0.02	0.00	6.64	2.00	0.00	0.00	0.02	0.00
6.66	2.00	0.00	0.00	0.02	0.00	6.68	2.00	0.00	0.00	0.02	0.00
6.70	2.00	0.00	0.00	0.02	0.00	6.72	2.00	0.00	0.00	0.02	0.00
6.74	2.00	0.00	0.00	0.02	0.00	6.76	2.00	0.00	0.00	0.02	0.00
6.78	2.00	0.00	0.00	0.02	0.00	6.80	2.00	0.00	0.00	0.02	0.00
6.82	2.00	0.00	0.00	0.02	0.00	6.84	2.00	0.00	0.00	0.02	0.00
6.86	2.00	0.00	0.00	0.02	0.00	6.88	2.00	0.00	0.00	0.02	0.00
6.90	2.00	0.00	0.00	0.02	0.00	6.92	2.00	0.00	0.00	0.02	0.00
6.94	2.00	0.00	0.00	0.02	0.00	6.96	2.00	0.00	0.00	0.02	0.00
6.98	2.00	0.00	0.00	0.02	0.00	7.00	2.00	0.00	0.00	0.02	0.00
7.02	2.00	0.00	0.00	0.02	0.00	7.04	2.00	0.00	0.00	0.02	0.00
7.06	2.00	0.00	0.00	0.02	0.00	7.08	2.00	0.00	0.00	0.02	0.00
7.10	2.00	0.00	0.00	0.02	0.00	7.12	2.00	0.00	0.00	0.02	0.00
7.14	2.00	0.00	0.00	0.02	0.00	7.16	2.00	0.00	0.00	0.02	0.00
7.18	2.00	0.00	0.00	0.02	0.00	7.20	2.00	0.00	0.00	0.02	0.00
7.22	2.00	0.00	0.00	0.02	0.00	7.24	2.00	0.00	0.00	0.02	0.00
7.26	2.00	0.00	0.00	0.02	0.00	7.28	2.00	0.00	0.00	0.02	0.00
7.30	2.00	0.00	0.00	0.02	0.00	7.32	2.00	0.00	0.00	0.02	0.00
7.34	2.00	0.00	0.00	0.02	0.00	7.36	2.00	0.00	0.00	0.02	0.00
7.38	2.00	0.00	0.00	0.02	0.00	7.40	2.00	0.00	0.00	0.02	0.00
7.42	2.00	0.00	0.00	0.02	0.00	7.44	2.00	0.00	0.00	0.02	0.00
7.46	2.00	0.00	0.00	0.02	0.00	7.48	2.00	0.00	0.00	0.02	0.00
7.50	2.00	0.00	0.00	0.02	0.00	7.52	2.00	0.00	0.00	0.02	0.00
7.54	2.00	0.00	0.00	0.02	0.00	7.56	2.00	0.00	0.00	0.02	0.00
7.58	2.00	0.00	0.00	0.02	0.00	7.60	2.00	0.00	0.00	0.02	0.00
7.62	2.00	0.00	0.00	0.02	0.00	7.64	2.00	0.00	0.00	0.02	0.00
7.66	2.00	0.00	0.00	0.02	0.00	7.68	2.00	0.00	0.00	0.02	0.00
7.70	2.00	0.00	0.00	0.02	0.00	7.72	2.00	0.00	0.00	0.02	0.00
7.74	2.00	0.00	0.00	0.02	0.00	7.76	2.00	0.00	0.00	0.02	0.00
7.78	2.00	0.00	0.00	0.02	0.00	7.80	2.00	0.00	0.00	0.02	0.00
7.82	2.00	0.00	0.00	0.02	0.00	7.84	2.00	0.00	0.00	0.02	0.00
7.86	2.00	0.00	0.00	0.02	0.00	7.88	2.00	0.00	0.00	0.02	0.00
7.90	2.00	0.00	0.00	0.02	0.00	7.92	2.00	0.00	0.00	0.02	0.00
7.94	2.00	0.00	0.00	0.02	0.00	7.96	2.00	0.00	0.00	0.02	0.00
7.98	2.00	0.00	0.00	0.02	0.00	8.00	2.00	0.00	0.00	0.02	0.00
8.02	2.00	0.00	0.00	0.02	0.00	8.04	2.00	0.00	0.00	0.02	0.00
8.06	2.00	0.00	0.00	0.02	0.00	8.08	2.00	0.00	0.00	0.02	0.00
8.10	2.00	0.00	0.00	0.02	0.00	8.12	2.00	0.00	0.00	0.02	0.00
8.14	2.00	0.00	0.00	0.02	0.00	8.16	2.00	0.00	0.00	0.02	0.00
8.18	2.00	0.00	0.00	0.02	0.00	8.20	2.00	0.00	0.00	0.02	0.00
8.22	2.00	0.00	0.00	0.02	0.00	8.24	2.00	0.00	0.00	0.02	0.00
8.26	2.00	0.00	0.00	0.02	0.00	8.28	2.00	0.00	0.00	0.02	0.00
8.30	2.00	0.00	0.00	0.02	0.00	8.32	2.00	0.00	0.00	0.02	0.00
8.34	2.00	0.00	0.00	0.02	0.00	8.36	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
8.38	2.00	0.00	0.00	0.02	0.00	8.40	2.00	0.00	0.00	0.02	0.00
8.42	2.00	0.00	0.00	0.02	0.00	8.44	2.00	0.00	0.00	0.02	0.00
8.46	2.00	0.00	0.00	0.02	0.00	8.48	2.00	0.00	0.00	0.02	0.00
8.50	2.00	0.00	0.00	0.02	0.00	8.52	2.00	0.00	0.00	0.02	0.00
8.54	2.00	0.00	0.00	0.02	0.00	8.56	2.00	0.00	0.00	0.02	0.00
8.58	2.00	0.00	0.00	0.02	0.00	8.60	2.00	0.00	0.00	0.02	0.00
8.62	2.00	0.00	0.00	0.02	0.00	8.64	2.00	0.00	0.00	0.02	0.00
8.66	2.00	0.00	0.00	0.02	0.00	8.68	2.00	0.00	0.00	0.02	0.00
8.70	2.00	0.00	0.00	0.02	0.00	8.72	2.00	0.00	0.00	0.02	0.00
8.74	2.00	0.00	0.00	0.02	0.00	8.76	2.00	0.00	0.00	0.02	0.00
8.78	2.00	0.00	0.00	0.02	0.00	8.80	2.00	0.00	0.00	0.02	0.00
8.82	2.00	0.00	0.00	0.02	0.00	8.84	2.00	0.00	0.00	0.02	0.00
8.86	2.00	0.00	0.00	0.02	0.00	8.88	2.00	0.00	0.00	0.02	0.00
8.90	2.00	0.00	0.00	0.02	0.00	8.91	2.00	0.00	0.00	0.02	0.00
8.93	2.00	0.00	0.00	0.02	0.00	8.95	2.00	0.00	0.00	0.02	0.00
8.97	2.00	0.00	0.00	0.02	0.00	8.99	2.00	0.00	0.00	0.02	0.00
9.01	2.00	0.00	0.00	0.02	0.00	9.03	2.00	0.00	0.00	0.02	0.00
9.05	2.00	0.00	0.00	0.02	0.00	9.07	2.00	0.00	0.00	0.02	0.00
9.09	2.00	0.00	0.00	0.02	0.00	9.11	2.00	0.00	0.00	0.02	0.00
9.13	2.00	0.00	0.00	0.02	0.00	9.15	2.00	0.00	0.00	0.02	0.00
9.17	2.00	0.00	0.00	0.02	0.00	9.19	2.00	0.00	0.00	0.02	0.00
9.21	2.00	0.00	0.00	0.02	0.00	9.23	2.00	0.00	0.00	0.02	0.00
9.25	2.00	0.00	0.00	0.02	0.00	9.27	2.00	0.00	0.00	0.02	0.00
9.29	2.00	0.00	0.00	0.02	0.00	9.31	2.00	0.00	0.00	0.02	0.00
9.33	2.00	0.00	0.00	0.02	0.00	9.35	2.00	0.00	0.00	0.02	0.00
9.37	2.00	0.00	0.00	0.02	0.00	9.39	2.00	0.00	0.00	0.02	0.00
9.41	2.00	0.00	0.00	0.02	0.00	9.43	2.00	0.00	0.00	0.02	0.00
9.45	2.00	0.00	0.00	0.02	0.00	9.47	2.00	0.00	0.00	0.02	0.00
9.49	2.00	0.00	0.00	0.02	0.00	9.51	2.00	0.00	0.00	0.02	0.00
9.53	2.00	0.00	0.00	0.02	0.00	9.55	2.00	0.00	0.00	0.02	0.00
9.57	2.00	0.00	0.00	0.02	0.00	9.59	2.00	0.00	0.00	0.02	0.00
9.61	2.00	0.00	0.00	0.02	0.00	9.63	2.00	0.00	0.00	0.02	0.00
9.65	2.00	0.00	0.00	0.02	0.00	9.67	2.00	0.00	0.00	0.02	0.00
9.69	2.00	0.00	0.00	0.02	0.00	9.71	2.00	0.00	0.00	0.02	0.00
9.73	2.00	0.00	0.00	0.02	0.00	9.75	2.00	0.00	0.00	0.02	0.00
9.77	2.00	0.00	0.00	0.02	0.00	9.79	2.00	0.00	0.00	0.02	0.00
9.81	2.00	0.00	0.00	0.02	0.00	9.83	2.00	0.00	0.00	0.02	0.00
9.85	2.00	0.00	0.00	0.02	0.00	9.87	2.00	0.00	0.00	0.02	0.00
9.89	2.00	0.00	0.00	0.02	0.00	9.91	2.00	0.00	0.00	0.02	0.00
9.93	2.00	0.00	0.00	0.02	0.00	9.95	2.00	0.00	0.00	0.02	0.00
9.97	2.00	0.00	0.00	0.02	0.00	9.99	2.00	0.00	0.00	0.02	0.00
10.01	2.00	0.00	0.00	0.02	0.00	10.03	2.00	0.00	0.00	0.02	0.00
10.05	2.00	0.00	0.00	0.02	0.00	10.07	2.00	0.00	0.00	0.02	0.00
10.09	2.00	0.00	0.00	0.02	0.00	10.11	2.00	0.00	0.00	0.02	0.00
10.13	2.00	0.00	0.00	0.02	0.00	10.15	2.00	0.00	0.00	0.02	0.00
10.17	2.00	0.00	0.00	0.02	0.00	10.19	2.00	0.00	0.00	0.02	0.00
10.21	2.00	0.00	0.00	0.02	0.00	10.23	2.00	0.00	0.00	0.02	0.00
10.25	2.00	0.00	0.00	0.02	0.00	10.27	2.00	0.00	0.00	0.02	0.00
10.29	2.00	0.00	0.00	0.02	0.00	10.31	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
10.33	2.00	0.00	0.00	0.02	0.00	10.35	2.00	0.00	0.00	0.02	0.00
10.37	2.00	0.00	0.00	0.02	0.00	10.39	2.00	0.00	0.00	0.02	0.00
10.41	2.00	0.00	0.00	0.02	0.00	10.43	2.00	0.00	0.00	0.02	0.00
10.45	2.00	0.00	0.00	0.02	0.00	10.47	2.00	0.00	0.00	0.02	0.00
10.49	2.00	0.00	0.00	0.02	0.00	10.51	2.00	0.00	0.00	0.02	0.00
10.53	2.00	0.00	0.00	0.02	0.00	10.55	2.00	0.00	0.00	0.02	0.00
10.57	2.00	0.00	0.00	0.02	0.00	10.59	2.00	0.00	0.00	0.02	0.00
10.61	2.00	0.00	0.00	0.02	0.00	10.63	2.00	0.00	0.00	0.02	0.00
10.65	2.00	0.00	0.00	0.02	0.00	10.67	2.00	0.00	0.00	0.02	0.00
10.69	2.00	0.00	0.00	0.02	0.00	10.71	2.00	0.00	0.00	0.02	0.00
10.73	2.00	0.00	0.00	0.02	0.00	10.75	2.00	0.00	0.00	0.02	0.00
10.77	2.00	0.00	0.00	0.02	0.00	10.79	2.00	0.00	0.00	0.02	0.00
10.81	2.00	0.00	0.00	0.02	0.00	10.83	2.00	0.00	0.00	0.02	0.00
10.85	2.00	0.00	0.00	0.02	0.00	10.87	2.00	0.00	0.00	0.02	0.00
10.89	2.00	0.00	0.00	0.02	0.00	10.91	2.00	0.00	0.00	0.02	0.00
10.93	2.00	0.00	0.00	0.02	0.00	10.95	2.00	0.00	0.00	0.02	0.00
10.97	2.00	0.00	0.00	0.02	0.00	10.99	2.00	0.00	0.00	0.02	0.00
11.01	2.00	0.00	0.00	0.02	0.00	11.03	2.00	0.00	0.00	0.02	0.00
11.05	2.00	0.00	0.00	0.02	0.00	11.07	2.00	0.00	0.00	0.02	0.00
11.09	2.00	0.00	0.00	0.02	0.00	11.11	2.00	0.00	0.00	0.02	0.00
11.13	2.00	0.00	0.00	0.02	0.00	11.15	2.00	0.00	0.00	0.02	0.00
11.17	2.00	0.00	0.00	0.02	0.00	11.19	2.00	0.00	0.00	0.02	0.00
11.21	2.00	0.00	0.00	0.02	0.00	11.23	2.00	0.00	0.00	0.02	0.00
11.25	2.00	0.00	0.00	0.02	0.00	11.27	2.00	0.00	0.00	0.02	0.00
11.29	2.00	0.00	0.00	0.02	0.00	11.31	2.00	0.00	0.00	0.02	0.00
11.33	2.00	0.00	0.00	0.02	0.00	11.35	2.00	0.00	0.00	0.02	0.00
11.37	2.00	0.00	0.00	0.02	0.00	11.39	2.00	0.00	0.00	0.02	0.00
11.41	2.00	0.00	0.00	0.02	0.00	11.43	2.00	0.00	0.00	0.02	0.00
11.45	2.00	0.00	0.00	0.02	0.00	11.47	2.00	0.00	0.00	0.02	0.00
11.49	2.00	0.00	0.00	0.02	0.00	11.51	2.00	0.00	0.00	0.02	0.00
11.53	2.00	0.00	0.00	0.02	0.00	11.55	2.00	0.00	0.00	0.02	0.00
11.57	2.00	0.00	0.00	0.02	0.00	11.59	2.00	0.00	0.00	0.02	0.00
11.61	2.00	0.00	0.00	0.02	0.00	11.63	2.00	0.00	0.00	0.02	0.00
11.65	2.00	0.00	0.00	0.02	0.00	11.67	2.00	0.00	0.00	0.02	0.00
11.69	2.00	0.00	0.00	0.02	0.00	11.71	2.00	0.00	0.00	0.02	0.00
11.73	2.00	0.00	0.00	0.02	0.00	11.75	2.00	0.00	0.00	0.02	0.00
11.77	2.00	0.00	0.00	0.02	0.00	11.79	2.00	0.00	0.00	0.02	0.00
11.81	2.00	0.00	0.00	0.02	0.00	11.83	2.00	0.00	0.00	0.02	0.00
11.85	2.00	0.00	0.00	0.02	0.00	11.87	2.00	0.00	0.00	0.02	0.00
11.89	2.00	0.00	0.00	0.02	0.00	11.91	2.00	0.00	0.00	0.02	0.00
11.93	2.00	0.00	0.00	0.02	0.00	11.95	2.00	0.00	0.00	0.02	0.00
11.97	2.00	0.00	0.00	0.02	0.00	11.99	2.00	0.00	0.00	0.02	0.00
12.01	2.00	0.00	0.00	0.02	0.00	12.03	2.00	0.00	0.00	0.02	0.00
12.05	2.00	0.00	0.00	0.02	0.00	12.07	2.00	0.00	0.00	0.02	0.00
12.09	2.00	0.00	0.00	0.02	0.00	12.11	2.00	0.00	0.00	0.02	0.00
12.13	2.00	0.00	0.00	0.02	0.00	12.15	2.00	0.00	0.00	0.02	0.00
12.16	2.00	0.00	0.00	0.02	0.00	12.18	2.00	0.00	0.00	0.02	0.00
12.20	2.00	0.00	0.00	0.02	0.00	12.22	2.00	0.00	0.00	0.02	0.00
12.24	2.00	0.00	0.00	0.02	0.00	12.26	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
12.28	2.00	0.00	0.00	0.02	0.00	12.30	2.00	0.00	0.00	0.02	0.00
12.32	2.00	0.00	0.00	0.02	0.00	12.34	2.00	0.00	0.00	0.02	0.00
12.36	2.00	0.00	0.00	0.02	0.00	12.38	2.00	0.00	0.00	0.02	0.00
12.40	2.00	0.00	0.00	0.02	0.00	12.42	2.00	0.00	0.00	0.02	0.00
12.44	2.00	0.00	0.00	0.02	0.00	12.46	2.00	0.00	0.00	0.02	0.00
12.48	2.00	0.00	0.00	0.02	0.00	12.50	2.00	0.00	0.00	0.02	0.00
12.52	2.00	0.00	0.00	0.02	0.00	12.54	2.00	0.00	0.00	0.02	0.00
12.56	2.00	0.00	0.00	0.02	0.00	12.58	2.00	0.00	0.00	0.02	0.00
12.60	2.00	0.00	0.00	0.02	0.00	12.62	2.00	0.00	0.00	0.02	0.00
12.64	2.00	0.00	0.00	0.02	0.00	12.66	2.00	0.00	0.00	0.02	0.00
12.68	2.00	0.00	0.00	0.02	0.00	12.70	2.00	0.00	0.00	0.02	0.00
12.72	2.00	0.00	0.00	0.02	0.00	12.74	2.00	0.00	0.00	0.02	0.00
12.76	2.00	0.00	0.00	0.02	0.00	12.78	2.00	0.00	0.00	0.02	0.00
12.80	2.00	0.00	0.00	0.02	0.00	12.82	2.00	0.00	0.00	0.02	0.00
12.84	2.00	0.00	0.00	0.02	0.00	12.86	2.00	0.00	0.00	0.02	0.00
12.88	2.00	0.00	0.00	0.02	0.00	12.90	2.00	0.00	0.00	0.02	0.00
12.92	2.00	0.00	0.00	0.02	0.00	12.94	2.00	0.00	0.00	0.02	0.00
12.96	2.00	0.00	0.00	0.02	0.00	12.98	2.00	0.00	0.00	0.02	0.00
13.00	2.00	0.00	0.00	0.02	0.00	13.02	2.00	0.00	0.00	0.02	0.00
13.04	2.00	0.00	0.00	0.02	0.00	13.06	2.00	0.00	0.00	0.02	0.00
13.08	2.00	0.00	0.00	0.02	0.00	13.10	2.00	0.00	0.00	0.02	0.00
13.12	2.00	0.00	0.00	0.02	0.00	13.14	2.00	0.00	0.00	0.02	0.00
13.16	2.00	0.00	0.00	0.02	0.00	13.18	2.00	0.00	0.00	0.02	0.00
13.20	2.00	0.00	0.00	0.02	0.00	13.22	2.00	0.00	0.00	0.02	0.00
13.24	2.00	0.00	0.00	0.02	0.00	13.26	2.00	0.00	0.00	0.02	0.00
13.28	2.00	0.00	0.00	0.02	0.00	13.30	2.00	0.00	0.00	0.02	0.00
13.32	2.00	0.00	0.00	0.02	0.00	13.34	2.00	0.00	0.00	0.02	0.00
13.36	2.00	0.00	0.00	0.02	0.00	13.38	2.00	0.00	0.00	0.02	0.00
13.40	2.00	0.00	0.00	0.02	0.00	13.42	2.00	0.00	0.00	0.02	0.00
13.44	2.00	0.00	0.00	0.02	0.00	13.46	2.00	0.00	0.00	0.02	0.00
13.48	2.00	0.00	0.00	0.02	0.00	13.50	2.00	0.00	0.00	0.02	0.00
13.52	2.00	0.00	0.00	0.02	0.00	13.54	2.00	0.00	0.00	0.02	0.00
13.56	2.00	0.00	0.00	0.02	0.00	13.58	2.00	0.00	0.00	0.02	0.00
13.60	2.00	0.00	0.00	0.02	0.00	13.62	2.00	0.00	0.00	0.02	0.00
13.64	2.00	0.00	0.00	0.02	0.00	13.66	2.00	0.00	0.00	0.02	0.00
13.68	2.00	0.00	0.00	0.02	0.00	13.70	2.00	0.00	0.00	0.02	0.00
13.72	2.00	0.00	0.00	0.02	0.00	13.74	2.00	0.00	0.00	0.02	0.00
13.76	2.00	0.00	0.00	0.02	0.00	13.78	2.00	0.00	0.00	0.02	0.00
13.80	2.00	0.00	0.00	0.02	0.00	13.82	2.00	0.00	0.00	0.02	0.00
13.84	2.00	0.00	0.00	0.02	0.00	13.86	2.00	0.00	0.00	0.02	0.00
13.88	2.00	0.00	0.00	0.02	0.00	13.90	2.00	0.00	0.00	0.02	0.00
13.92	2.00	0.00	0.00	0.02	0.00	13.94	2.00	0.00	0.00	0.02	0.00
13.96	2.00	0.00	0.00	0.02	0.00	13.98	2.00	0.00	0.00	0.02	0.00
14.00	2.00	0.00	0.00	0.02	0.00	14.02	2.00	0.00	0.00	0.02	0.00
14.04	2.00	0.00	0.00	0.02	0.00	14.05	2.00	0.00	0.00	0.02	0.00
14.07	2.00	0.00	0.00	0.02	0.00	14.09	2.00	0.00	0.00	0.02	0.00
14.11	2.00	0.00	0.00	0.02	0.00	14.13	2.00	0.00	0.00	0.02	0.00
14.15	2.00	0.00	0.00	0.02	0.00	14.17	2.00	0.00	0.00	0.02	0.00
14.19	2.00	0.00	0.00	0.02	0.00	14.21	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
14.23	2.00	0.00	0.00	0.02	0.00	14.25	2.00	0.00	0.00	0.02	0.00
14.27	2.00	0.00	0.00	0.02	0.00	14.29	2.00	0.00	0.00	0.02	0.00
14.31	2.00	0.00	0.00	0.02	0.00	14.33	2.00	0.00	0.00	0.02	0.00
14.35	2.00	0.00	0.00	0.02	0.00	14.37	2.00	0.00	0.00	0.02	0.00
14.39	2.00	0.00	0.00	0.02	0.00	14.41	2.00	0.00	0.00	0.02	0.00
14.43	2.00	0.00	0.00	0.02	0.00	14.45	2.00	0.00	0.00	0.02	0.00
14.47	2.00	0.00	0.00	0.02	0.00	14.49	2.00	0.00	0.00	0.02	0.00
14.51	2.00	0.00	0.00	0.02	0.00	14.53	2.00	0.00	0.00	0.02	0.00
14.55	2.00	0.00	0.00	0.02	0.00	14.57	2.00	0.00	0.00	0.02	0.00
14.59	2.00	0.00	0.00	0.02	0.00	14.61	2.00	0.00	0.00	0.02	0.00
14.63	2.00	0.00	0.00	0.02	0.00	14.65	2.00	0.00	0.00	0.02	0.00
14.67	2.00	0.00	0.00	0.02	0.00	14.69	2.00	0.00	0.00	0.02	0.00
14.71	2.00	0.00	0.00	0.02	0.00	14.73	2.00	0.00	0.00	0.02	0.00
14.75	2.00	0.00	0.00	0.02	0.00	14.77	2.00	0.00	0.00	0.02	0.00
14.79	2.00	0.00	0.00	0.02	0.00	14.81	2.00	0.00	0.00	0.02	0.00
14.83	2.00	0.00	0.00	0.02	0.00	14.85	2.00	0.00	0.00	0.02	0.00
14.87	2.00	0.00	0.00	0.02	0.00	14.89	2.00	0.00	0.00	0.02	0.00
14.91	2.00	0.00	0.00	0.02	0.00	14.93	2.00	0.00	0.00	0.02	0.00
14.95	2.00	0.00	0.00	0.02	0.00	14.97	2.00	0.00	0.00	0.02	0.00
14.99	2.00	0.00	0.00	0.02	0.00	15.01	2.00	0.00	0.00	0.02	0.00
15.03	2.00	0.00	0.00	0.02	0.00	15.05	2.00	0.00	0.00	0.02	0.00
15.07	2.00	0.00	0.00	0.02	0.00	15.09	2.00	0.00	0.00	0.02	0.00
15.11	2.00	0.00	0.00	0.02	0.00	15.13	2.00	0.00	0.00	0.02	0.00
15.15	2.00	0.00	0.00	0.02	0.00	15.17	2.00	0.00	0.00	0.02	0.00
15.19	2.00	0.00	0.00	0.02	0.00	15.21	2.00	0.00	0.00	0.02	0.00
15.23	2.00	0.00	0.00	0.02	0.00	15.25	2.00	0.00	0.00	0.02	0.00
15.27	2.00	0.00	0.00	0.02	0.00	15.29	2.00	0.00	0.00	0.02	0.00
15.31	2.00	0.00	0.00	0.02	0.00	15.33	2.00	0.00	0.00	0.02	0.00
15.35	2.00	0.00	0.00	0.02	0.00	15.37	2.00	0.00	0.00	0.02	0.00
15.39	2.00	0.00	0.00	0.02	0.00	15.41	2.00	0.00	0.00	0.02	0.00
15.43	2.00	0.00	0.00	0.02	0.00	15.45	2.00	0.00	0.00	0.02	0.00
15.47	2.00	0.00	0.00	0.02	0.00	15.48	2.00	0.00	0.00	0.02	0.00
15.50	2.00	0.00	0.00	0.02	0.00	15.52	2.00	0.00	0.00	0.02	0.00
15.54	2.00	0.00	0.00	0.02	0.00	15.56	2.00	0.00	0.00	0.02	0.00
15.58	2.00	0.00	0.00	0.02	0.00	15.60	2.00	0.00	0.00	0.02	0.00
15.62	2.00	0.00	0.00	0.02	0.00	15.64	2.00	0.00	0.00	0.02	0.00
15.66	2.00	0.00	0.00	0.02	0.00	15.68	2.00	0.00	0.00	0.02	0.00
15.70	2.00	0.00	0.00	0.02	0.00	15.72	2.00	0.00	0.00	0.02	0.00
15.74	2.00	0.00	0.00	0.02	0.00	15.76	2.00	0.00	0.00	0.02	0.00
15.78	2.00	0.00	0.00	0.02	0.00	15.80	2.00	0.00	0.00	0.02	0.00
15.82	2.00	0.00	0.00	0.02	0.00	15.84	2.00	0.00	0.00	0.02	0.00
15.86	2.00	0.00	0.00	0.02	0.00	15.88	2.00	0.00	0.00	0.02	0.00
15.90	2.00	0.00	0.00	0.02	0.00	15.92	2.00	0.00	0.00	0.02	0.00
15.94	2.00	0.00	0.00	0.02	0.00	15.96	2.00	0.00	0.00	0.02	0.00
15.98	2.00	0.00	0.00	0.02	0.00	16.00	2.00	0.00	0.00	0.02	0.00
16.02	2.00	0.00	0.00	0.02	0.00	16.04	2.00	0.00	0.00	0.02	0.00
16.06	2.00	0.00	0.00	0.02	0.00	16.08	2.00	0.00	0.00	0.02	0.00
16.10	2.00	0.00	0.00	0.02	0.00	16.12	2.00	0.00	0.00	0.02	0.00
16.14	2.00	0.00	0.00	0.02	0.00	16.16	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
16.18	2.00	0.00	0.00	0.02	0.00	16.20	2.00	0.00	0.00	0.02	0.00
16.22	2.00	0.00	0.00	0.02	0.00	16.24	2.00	0.00	0.00	0.02	0.00
16.26	2.00	0.00	0.00	0.02	0.00	16.28	2.00	0.00	0.00	0.02	0.00
16.30	2.00	0.00	0.00	0.02	0.00	16.32	2.00	0.00	0.00	0.02	0.00
16.34	2.00	0.00	0.00	0.02	0.00	16.36	2.00	0.00	0.00	0.02	0.00
16.38	2.00	0.00	0.00	0.02	0.00	16.40	2.00	0.00	0.00	0.02	0.00
16.42	2.00	0.00	0.00	0.02	0.00	16.44	2.00	0.00	0.00	0.02	0.00
16.46	2.00	0.00	0.00	0.02	0.00	16.48	2.00	0.00	0.00	0.02	0.00
16.50	2.00	0.00	0.00	0.02	0.00	16.52	2.00	0.00	0.00	0.02	0.00
16.54	2.00	0.00	0.00	0.02	0.00	16.56	2.00	0.00	0.00	0.02	0.00
16.58	2.00	0.00	0.00	0.02	0.00	16.60	2.00	0.00	0.00	0.02	0.00
16.62	2.00	0.00	0.00	0.02	0.00	16.64	2.00	0.00	0.00	0.02	0.00
16.66	2.00	0.00	0.00	0.02	0.00	16.67	2.00	0.00	0.00	0.02	0.00
16.69	2.00	0.00	0.00	0.02	0.00	16.71	2.00	0.00	0.00	0.02	0.00
16.73	2.00	0.00	0.00	0.02	0.00	16.75	2.00	0.00	0.00	0.02	0.00
16.77	2.00	0.00	0.00	0.02	0.00	16.79	2.00	0.00	0.00	0.02	0.00
16.81	2.00	0.00	0.00	0.02	0.00	16.83	2.00	0.00	0.00	0.02	0.00
16.85	2.00	0.00	0.00	0.02	0.00	16.87	2.00	0.00	0.00	0.02	0.00
16.89	2.00	0.00	0.00	0.02	0.00	16.91	2.00	0.00	0.00	0.02	0.00
16.93	2.00	0.00	0.00	0.02	0.00	16.95	2.00	0.00	0.00	0.02	0.00
16.97	2.00	0.00	0.00	0.02	0.00	16.99	2.00	0.00	0.00	0.02	0.00
17.01	2.00	0.00	0.00	0.02	0.00	17.03	2.00	0.00	0.00	0.02	0.00
17.05	2.00	0.00	0.00	0.02	0.00	17.07	2.00	0.00	0.00	0.02	0.00
17.09	2.00	0.00	0.00	0.02	0.00	17.11	2.00	0.00	0.00	0.02	0.00
17.13	2.00	0.00	0.00	0.02	0.00	17.15	2.00	0.00	0.00	0.02	0.00
17.17	2.00	0.00	0.00	0.02	0.00	17.19	2.00	0.00	0.00	0.02	0.00
17.21	2.00	0.00	0.00	0.02	0.00	17.23	2.00	0.00	0.00	0.02	0.00
17.25	2.00	0.00	0.00	0.02	0.00	17.27	2.00	0.00	0.00	0.02	0.00
17.29	2.00	0.00	0.00	0.02	0.00	17.31	2.00	0.00	0.00	0.02	0.00
17.33	2.00	0.00	0.00	0.02	0.00	17.35	2.00	0.00	0.00	0.02	0.00
17.37	2.00	0.00	0.00	0.02	0.00	17.39	2.00	0.00	0.00	0.02	0.00
17.41	2.00	0.00	0.00	0.02	0.00	17.43	2.00	0.00	0.00	0.02	0.00
17.45	2.00	0.00	0.00	0.02	0.00	17.47	2.00	0.00	0.00	0.02	0.00
17.49	2.00	0.00	0.00	0.02	0.00	17.51	2.00	0.00	0.00	0.02	0.00
17.53	2.00	0.00	0.00	0.02	0.00	17.55	2.00	0.00	0.00	0.02	0.00
17.57	2.00	0.00	0.00	0.02	0.00	17.59	2.00	0.00	0.00	0.02	0.00
17.61	2.00	0.00	0.00	0.02	0.00	17.63	2.00	0.00	0.00	0.02	0.00
17.65	2.00	0.00	0.00	0.02	0.00	17.67	2.00	0.00	0.00	0.02	0.00
17.69	2.00	0.00	0.00	0.02	0.00	17.71	2.00	0.00	0.00	0.02	0.00
17.73	2.00	0.00	0.00	0.02	0.00	17.75	2.00	0.00	0.00	0.02	0.00
17.76	2.00	0.00	0.00	0.02	0.00	17.78	2.00	0.00	0.00	0.02	0.00
17.80	2.00	0.00	0.00	0.02	0.00	17.82	2.00	0.00	0.00	0.02	0.00
17.84	2.00	0.00	0.00	0.02	0.00	17.86	2.00	0.00	0.00	0.02	0.00
17.88	2.00	0.00	0.00	0.02	0.00	17.90	2.00	0.00	0.00	0.02	0.00
17.92	2.00	0.00	0.00	0.02	0.00	17.94	2.00	0.00	0.00	0.02	0.00
17.96	2.00	0.00	0.00	0.02	0.00	17.98	2.00	0.00	0.00	0.02	0.00
18.00	2.00	0.00	0.00	0.02	0.00	18.02	2.00	0.00	0.00	0.02	0.00
18.04	2.00	0.00	0.00	0.02	0.00	18.06	2.00	0.00	0.00	0.02	0.00
18.08	2.00	0.00	0.00	0.02	0.00	18.10	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}
18.12	2.00	0.00	0.00	0.02	0.00	18.14	2.00	0.00	0.00	0.02	0.00
18.16	2.00	0.00	0.00	0.02	0.00	18.18	2.00	0.00	0.00	0.02	0.00
18.20	2.00	0.00	0.00	0.02	0.00	18.22	2.00	0.00	0.00	0.02	0.00
18.24	2.00	0.00	0.00	0.02	0.00	18.26	2.00	0.00	0.00	0.02	0.00
18.28	2.00	0.00	0.00	0.02	0.00	18.30	2.00	0.00	0.00	0.02	0.00
18.32	2.00	0.00	0.00	0.02	0.00	18.34	2.00	0.00	0.00	0.02	0.00
18.36	2.00	0.00	0.00	0.02	0.00	18.38	2.00	0.00	0.00	0.02	0.00
18.40	2.00	0.00	0.00	0.02	0.00	18.42	2.00	0.00	0.00	0.02	0.00
18.44	2.00	0.00	0.00	0.02	0.00	18.46	2.00	0.00	0.00	0.02	0.00
18.48	2.00	0.00	0.00	0.02	0.00	18.50	2.00	0.00	0.00	0.02	0.00
18.52	2.00	0.00	0.00	0.02	0.00	18.54	2.00	0.00	0.00	0.02	0.00
18.56	2.00	0.00	0.00	0.02	0.00	18.58	2.00	0.00	0.00	0.02	0.00
18.60	2.00	0.00	0.00	0.02	0.00	18.62	2.00	0.00	0.00	0.02	0.00
18.64	2.00	0.00	0.00	0.02	0.00	18.66	2.00	0.00	0.00	0.02	0.00
18.68	2.00	0.00	0.00	0.02	0.00	18.70	2.00	0.00	0.00	0.02	0.00
18.72	2.00	0.00	0.00	0.02	0.00	18.74	2.00	0.00	0.00	0.02	0.00
18.75	2.00	0.00	0.00	0.02	0.00	18.77	2.00	0.00	0.00	0.02	0.00
18.79	2.00	0.00	0.00	0.02	0.00	18.81	2.00	0.00	0.00	0.02	0.00
18.83	2.00	0.00	0.00	0.02	0.00	18.85	2.00	0.00	0.00	0.02	0.00
18.87	2.00	0.00	0.00	0.02	0.00	18.89	2.00	0.00	0.00	0.02	0.00
18.91	2.00	0.00	0.00	0.02	0.00	18.93	2.00	0.00	0.00	0.02	0.00
18.95	2.00	0.00	0.00	0.02	0.00	18.97	2.00	0.00	0.00	0.02	0.00
18.99	2.00	0.00	0.00	0.02	0.00	19.01	2.00	0.00	0.00	0.02	0.00
19.03	2.00	0.00	0.00	0.02	0.00	19.05	2.00	0.00	0.00	0.02	0.00
19.07	2.00	0.00	0.00	0.02	0.00	19.09	2.00	0.00	0.00	0.02	0.00
19.11	2.00	0.00	0.00	0.02	0.00	19.13	2.00	0.00	0.00	0.02	0.00
19.15	2.00	0.00	0.00	0.02	0.00	19.17	2.00	0.00	0.00	0.02	0.00
19.19	2.00	0.00	0.00	0.02	0.00	19.21	2.00	0.00	0.00	0.02	0.00
19.23	2.00	0.00	0.00	0.02	0.00	19.25	2.00	0.00	0.00	0.02	0.00
19.27	2.00	0.00	0.00	0.02	0.00	19.29	2.00	0.00	0.00	0.02	0.00
19.31	2.00	0.00	0.00	0.02	0.00	19.33	2.00	0.00	0.00	0.02	0.00
19.35	2.00	0.00	0.00	0.02	0.00	19.37	2.00	0.00	0.00	0.02	0.00
19.39	2.00	0.00	0.00	0.02	0.00	19.41	2.00	0.00	0.00	0.02	0.00
19.43	2.00	0.00	0.00	0.02	0.00	19.45	2.00	0.00	0.00	0.02	0.00
19.47	2.00	0.00	0.00	0.02	0.00	19.49	2.00	0.00	0.00	0.02	0.00
19.51	2.00	0.00	0.00	0.02	0.00	19.53	2.00	0.00	0.00	0.02	0.00
19.55	2.00	0.00	0.00	0.02	0.00	19.57	2.00	0.00	0.00	0.02	0.00
19.59	2.00	0.00	0.00	0.02	0.00	19.61	2.00	0.00	0.00	0.02	0.00
19.62	2.00	0.00	0.00	0.02	0.00	19.64	2.00	0.00	0.00	0.02	0.00
19.66	2.00	0.00	0.00	0.02	0.00	19.68	2.00	0.00	0.00	0.02	0.00
19.70	2.00	0.00	0.00	0.02	0.00	19.72	2.00	0.00	0.00	0.02	0.00
19.74	2.00	0.00	0.00	0.02	0.00	19.76	2.00	0.00	0.00	0.02	0.00
19.78	2.00	0.00	0.00	0.02	0.00	19.80	2.00	0.00	0.00	0.02	0.00
19.82	2.00	0.00	0.00	0.02	0.00	19.84	2.00	0.00	0.00	0.02	0.00
19.86	2.00	0.00	0.00	0.02	0.00	19.88	2.00	0.00	0.00	0.02	0.00
19.90	2.00	0.00	0.00	0.02	0.00	19.92	2.00	0.00	0.00	0.02	0.00

:: Liquefaction Potential Index calculation data ::

Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}	Depth (m)	FS	m(FS)	H_1*m(FS)	d_z	LPI_{ISH}

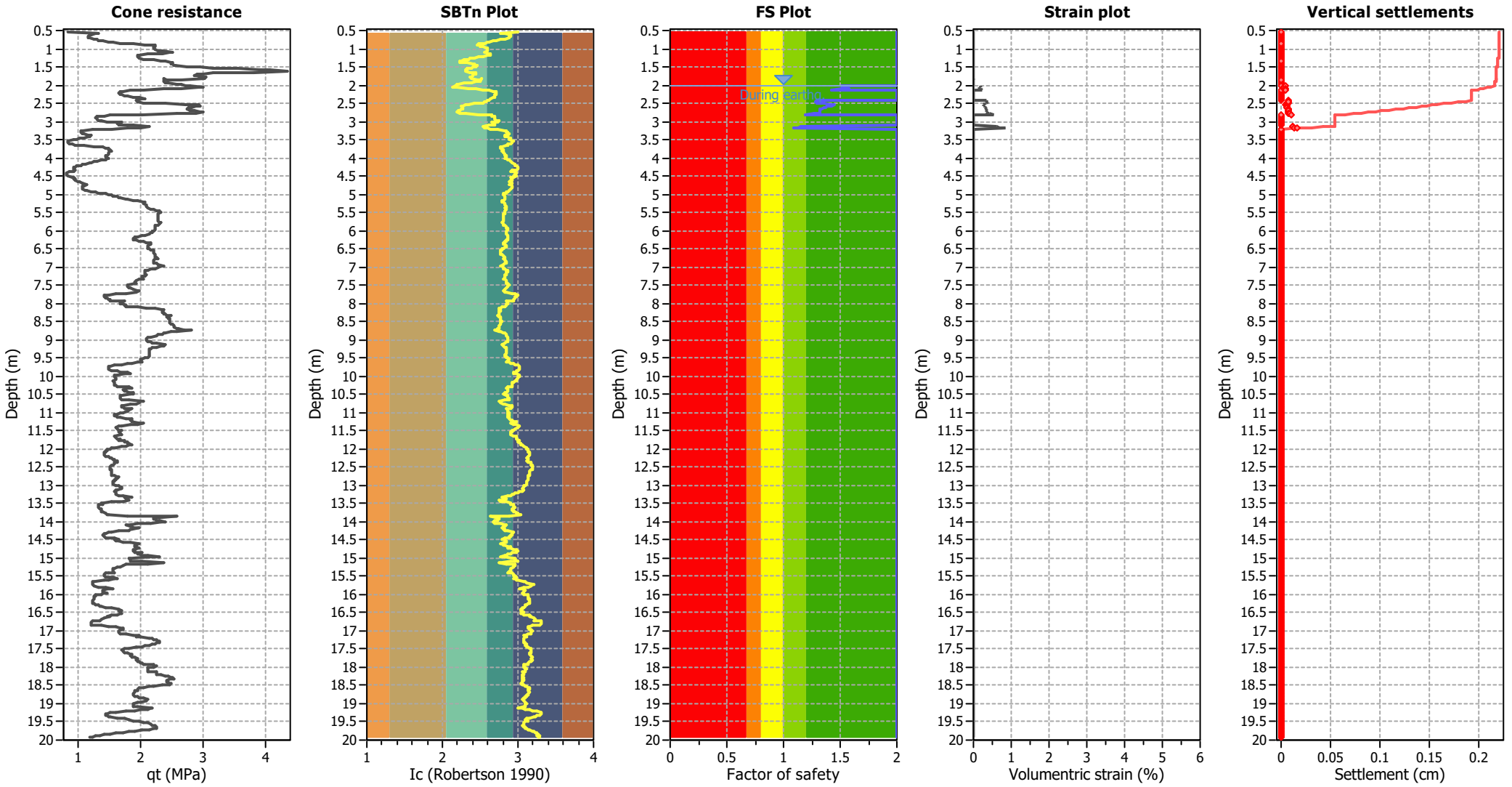
Overall liquefaction potential: 0.00

LPI_{ISH} > 5.0 - Liquefaction manifestation is expected

Abbreviations

FS: Calculated factor of safety for test point
d_z: Layer thickness (m)
LPI: Liquefaction potential index value for test point

Estimation of post-earthquake settlements



Abbreviations

q_t:	Total cone resistance (cone resistance q_c corrected for pore water effects)
I_c:	Soil Behaviour Type Index
FS:	Calculated Factor of Safety against liquefaction
Volumentric strain:	Post-liquefaction volumentric strain

:: Post-earthquake settlement of dry sands ::

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
0.54	3.00	13.87	8.80	122.01	0	0	0.10	0.000	0.00	0.00	0.00	0.000
0.56	2.78	21.81	5.55	121.05	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.58	2.83	21.03	6.30	132.52	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.60	2.90	19.82	7.15	141.80	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.62	2.90	19.54	7.22	141.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.64	2.90	19.39	7.18	139.29	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.66	2.89	19.35	7.07	136.77	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.68	2.89	19.38	7.07	137.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.70	2.88	19.42	6.89	133.76	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.72	2.82	20.61	6.12	126.04	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.74	2.76	21.48	5.37	115.43	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.76	2.72	22.03	4.89	107.85	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.78	2.67	22.91	4.36	99.93	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.80	2.62	24.71	3.92	96.89	0	0	0.09	0.000	0.00	0.00	0.00	0.000
0.82	2.60	25.64	3.75	96.04	26	36974	0.09	0.004	0.00	3.58	0.00	0.000
0.84	2.56	27.68	3.38	93.65	25	37748	0.09	0.004	0.00	3.58	0.00	0.000
0.86	2.48	31.35	2.87	90.05	23	39082	0.09	0.004	0.00	3.58	0.00	0.000
0.88	2.47	34.26	2.79	95.43	24	41993	0.09	0.003	0.00	3.58	0.00	0.000
0.90	2.49	37.22	2.94	109.29	28	46965	0.09	0.003	0.00	3.58	0.00	0.000
0.92	2.51	37.16	3.04	113.12	29	47828	0.09	0.003	0.00	3.58	0.00	0.000
0.94	2.54	36.71	3.27	119.95	32	49120	0.09	0.003	0.00	3.58	0.00	0.000
0.96	2.57	36.68	3.54	129.87	35	51284	0.09	0.003	0.00	3.58	0.00	0.000
0.98	2.60	36.80	3.75	138.13	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.00	2.60	36.93	3.79	140.14	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.02	2.60	37.15	3.79	140.93	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.04	2.60	37.77	3.77	142.25	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.06	2.59	39.04	3.70	144.41	39	55909	0.09	0.003	0.00	3.58	0.00	0.000
1.08	2.56	41.56	3.45	143.31	38	57272	0.09	0.003	0.00	3.58	0.00	0.000
1.10	2.58	40.84	3.57	145.84	39	57369	0.09	0.003	0.00	3.58	0.00	0.000
1.12	2.59	38.93	3.68	143.15	39	55575	0.09	0.003	0.00	3.58	0.00	0.000
1.14	2.63	35.08	3.99	139.98	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.16	2.64	32.53	4.09	133.09	0	0	0.09	0.000	0.00	0.00	0.00	0.000
1.18	2.59	32.41	3.71	120.11	32	46464	0.09	0.004	0.00	3.58	0.00	0.000
1.20	2.54	32.42	3.26	105.67	28	43322	0.09	0.005	0.00	3.58	0.00	0.000
1.22	2.47	32.44	2.81	91.03	23	39926	0.09	0.005	0.00	3.58	0.00	0.000
1.24	2.43	32.51	2.52	81.92	20	37686	0.09	0.005	0.01	3.58	0.00	0.000
1.26	2.37	32.88	2.21	72.52	18	35303	0.09	0.006	0.01	3.58	0.00	0.000
1.28	2.34	33.77	2.07	69.97	17	34922	0.09	0.006	0.01	3.58	0.00	0.000
1.30	2.28	36.64	1.86	67.98	16	35310	0.09	0.006	0.01	3.58	0.00	0.000
1.32	2.25	38.60	1.76	68.11	16	35931	0.09	0.006	0.01	3.58	0.00	0.000
1.34	2.24	39.84	1.72	68.46	16	36385	0.09	0.006	0.01	3.58	0.00	0.000
1.36	2.23	41.13	1.69	69.48	16	37086	0.09	0.006	0.01	3.58	0.00	0.000
1.38	2.33	41.59	2.03	84.45	20	42476	0.09	0.005	0.01	3.58	0.00	0.000
1.40	2.41	41.32	2.42	99.88	25	46783	0.09	0.005	0.00	3.58	0.00	0.000
1.42	2.43	41.60	2.51	104.58	26	48160	0.09	0.005	0.00	3.58	0.00	0.000
1.44	2.44	41.88	2.61	109.49	27	49563	0.09	0.005	0.00	3.58	0.00	0.000
1.46	2.46	42.56	2.69	114.68	29	51217	0.09	0.005	0.00	3.58	0.00	0.000
1.48	2.43	45.51	2.56	116.70	29	53275	0.09	0.004	0.00	3.58	0.00	0.000
1.50	2.41	48.98	2.44	119.29	29	55694	0.08	0.004	0.00	3.58	0.00	0.000

:: Post-earthquake settlement of dry sands :: (continued)

Depth (m)	Ic	Q_{tn}	K_c	$Q_{tn,cs}$	$N_{1,60}$ (blows)	G_{max} (kPa)	CSR	Shear, γ (%)	$e_{vol(15)}$ (%)	N_c	e_v (%)	Settle. (cm)
1.52	2.39	52.61	2.30	121.01	30	57889	0.08	0.004	0.00	3.58	0.00	0.000
1.54	2.34	59.11	2.07	122.33	29	61082	0.08	0.004	0.00	3.58	0.00	0.000
1.56	2.30	64.98	1.93	125.46	30	64283	0.08	0.004	0.00	3.58	0.00	0.000
1.58	2.33	67.82	2.03	137.86	33	69315	0.08	0.004	0.00	3.58	0.00	0.000
1.60	2.31	72.30	1.98	142.98	34	72629	0.08	0.003	0.00	3.58	0.00	0.000
1.62	2.30	72.40	1.94	140.58	33	71886	0.08	0.004	0.00	3.58	0.00	0.000
1.64	2.37	63.31	2.21	139.79	34	68020	0.08	0.004	0.00	3.58	0.00	0.000
1.66	2.45	52.60	2.64	138.71	35	62547	0.08	0.004	0.00	3.58	0.00	0.000
1.68	2.44	49.64	2.61	129.70	33	58724	0.08	0.005	0.00	3.58	0.00	0.000
1.70	2.41	48.16	2.40	115.80	29	54365	0.08	0.005	0.00	3.58	0.00	0.000
1.72	2.41	47.48	2.42	114.79	28	53761	0.09	0.005	0.00	3.58	0.00	0.000
1.74	2.40	48.14	2.36	113.45	28	53722	0.08	0.005	0.00	3.58	0.00	0.000
1.76	2.39	48.81	2.32	113.40	28	54022	0.08	0.005	0.00	3.58	0.00	0.000
1.78	2.37	50.35	2.24	112.71	27	54535	0.08	0.005	0.00	3.58	0.00	0.000
1.80	2.38	49.99	2.28	114.11	28	54766	0.08	0.005	0.00	3.58	0.00	0.000
1.87	2.46	44.00	2.70	118.59	30	52961	0.09	0.006	0.00	3.58	0.00	0.000
1.87	2.51	40.04	3.04	121.70	31	51493	0.09	0.006	0.00	3.58	0.00	0.000
1.82	2.53	39.12	3.17	123.87	32	51453	0.09	0.006	0.00	3.58	0.00	0.000
1.88	2.49	39.22	2.94	115.43	30	49555	0.09	0.006	0.00	3.58	0.00	0.000
1.90	2.45	39.33	2.66	104.47	26	46953	0.09	0.007	0.00	3.58	0.00	0.000
1.92	2.38	39.69	2.25	89.41	22	43148	0.09	0.007	0.01	3.58	0.00	0.000
1.94	2.28	40.43	1.86	75.06	18	38979	0.09	0.009	0.01	3.58	0.01	0.000
1.96	2.21	42.65	1.63	69.64	16	37448	0.09	0.009	0.01	3.58	0.01	0.000
1.98	2.19	43.62	1.60	69.80	16	37669	0.09	0.009	0.01	3.58	0.01	0.000
2.00	2.18	44.90	1.56	70.08	16	37952	0.09	0.009	0.01	3.58	0.01	0.000

Total estimated settlement: 0.01

Abbreviations

Q_{tn}: Normalized cone resistance
K_c: Fines correction factor
$Q_{tn,cs}$: Equivalent clean sand normalized cone resistance
G_{max}: Small strain shear modulus
CSR: Soil cyclic stress ratio
γ: Cyclic shear strain
$e_{vol(15)}$: Volumetric strain after 15 cycles
N_c: Equivalent number of cycles
e_v: Volumetric strain
Settle.: Calculated settlement

:: Post-earthquake settlement due to soil liquefaction ::

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.02	97.19	1.52	0.18	1.00	0.00	2.04	98.75	1.54	0.18	1.00	0.00
2.06	100.71	1.57	0.16	1.00	0.00	2.08	101.53	1.58	0.16	1.00	0.00
2.10	98.52	1.51	0.19	1.00	0.00	2.12	93.94	1.42	0.24	1.00	0.00
2.14	30.72	2.00	0.00	1.00	0.00	2.16	28.84	2.00	0.00	1.00	0.00
2.18	27.91	2.00	0.00	1.00	0.00	2.20	27.47	2.00	0.00	1.00	0.00
2.22	27.27	2.00	0.00	1.00	0.00	2.24	27.70	2.00	0.00	1.00	0.00
2.26	28.13	2.00	0.00	1.00	0.00	2.28	28.68	2.00	0.00	1.00	0.00
2.30	29.32	2.00	0.00	1.00	0.00	2.32	30.68	2.00	0.00	1.00	0.00
2.34	32.10	2.00	0.00	1.00	0.00	2.36	33.45	2.00	0.00	1.00	0.00
2.38	32.33	2.00	0.00	1.00	0.00	2.40	31.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.42	90.91	1.29	0.36	1.00	0.01	2.44	90.86	1.29	0.36	1.00	0.01
2.46	90.79	1.28	0.37	1.00	0.01	2.48	91.81	1.29	0.36	1.00	0.01
2.50	96.24	1.35	0.32	1.00	0.01	2.52	100.07	1.41	0.28	1.00	0.01
2.54	102.13	1.45	0.26	1.00	0.01	2.56	101.43	1.43	0.27	1.00	0.01
2.58	99.44	1.39	0.30	1.00	0.01	2.60	98.52	1.37	0.31	1.00	0.01
2.62	97.98	1.35	0.32	1.00	0.01	2.64	97.17	1.34	0.34	1.00	0.01
2.66	96.20	1.32	0.36	1.00	0.01	2.68	96.47	1.32	0.36	1.00	0.01
2.70	96.78	1.32	0.36	1.00	0.01	2.72	97.38	1.32	0.36	1.00	0.01
2.74	97.69	1.32	0.36	1.00	0.01	2.76	97.40	1.31	0.37	1.00	0.01
2.78	95.02	1.27	0.41	1.00	0.01	2.80	89.01	1.19	0.52	1.00	0.01
2.82	23.54	2.00	0.00	1.00	0.00	2.84	22.15	2.00	0.00	1.00	0.00
2.86	20.53	2.00	0.00	1.00	0.00	2.88	20.16	2.00	0.00	1.00	0.00
2.90	20.18	2.00	0.00	1.00	0.00	2.92	20.20	2.00	0.00	1.00	0.00
2.94	20.29	2.00	0.00	1.00	0.00	2.96	20.50	2.00	0.00	1.00	0.00
2.98	20.96	2.00	0.00	1.00	0.00	3.00	22.43	2.00	0.00	1.00	0.00
3.02	25.59	2.00	0.00	1.00	0.00	3.04	24.46	2.00	0.00	1.00	0.00
3.06	24.69	2.00	0.00	1.00	0.00	3.08	24.92	2.00	0.00	1.00	0.00
3.10	28.01	2.00	0.00	1.00	0.00	3.12	90.55	1.16	0.61	1.00	0.01
3.14	90.87	1.16	0.61	1.00	0.01	3.16	88.79	1.13	0.68	1.00	0.01
3.18	85.47	1.09	0.83	1.00	0.02	3.20	22.97	2.00	0.00	1.00	0.00
3.22	18.72	2.00	0.00	1.00	0.00	3.24	16.13	2.00	0.00	1.00	0.00
3.26	15.59	2.00	0.00	1.00	0.00	3.28	15.56	2.00	0.00	1.00	0.00
3.30	15.55	2.00	0.00	1.00	0.00	3.32	15.54	2.00	0.00	1.00	0.00
3.34	15.85	2.00	0.00	1.00	0.00	3.36	16.89	2.00	0.00	1.00	0.00
3.38	17.41	2.00	0.00	1.00	0.00	3.40	17.23	2.00	0.00	1.00	0.00
3.42	16.67	2.00	0.00	1.00	0.00	3.44	15.73	2.00	0.00	1.00	0.00
3.46	14.62	2.00	0.00	1.00	0.00	3.48	14.14	2.00	0.00	1.00	0.00
3.50	13.51	2.00	0.00	1.00	0.00	3.52	12.01	2.00	0.00	1.00	0.00
3.54	11.97	2.00	0.00	1.00	0.00	3.56	11.94	2.00	0.00	1.00	0.00
3.59	11.99	2.00	0.00	1.00	0.00	3.60	12.05	2.00	0.00	1.00	0.00
3.62	12.74	2.00	0.00	1.00	0.00	3.64	13.43	2.00	0.00	1.00	0.00
3.66	15.32	2.00	0.00	1.00	0.00	3.68	17.36	2.00	0.00	1.00	0.00
3.70	19.27	2.00	0.00	1.00	0.00	3.72	20.29	2.00	0.00	1.00	0.00
3.74	20.94	2.00	0.00	1.00	0.00	3.76	20.86	2.00	0.00	1.00	0.00
3.78	20.99	2.00	0.00	1.00	0.00	3.80	21.24	2.00	0.00	1.00	0.00
3.82	21.07	2.00	0.00	1.00	0.00	3.84	20.76	2.00	0.00	1.00	0.00
3.86	20.81	2.00	0.00	1.00	0.00	3.88	20.67	2.00	0.00	1.00	0.00
3.90	20.49	2.00	0.00	1.00	0.00	3.92	20.18	2.00	0.00	1.00	0.00
3.94	19.99	2.00	0.00	1.00	0.00	3.96	19.93	2.00	0.00	1.00	0.00
3.98	19.88	2.00	0.00	1.00	0.00	4.00	19.84	2.00	0.00	1.00	0.00
4.02	19.97	2.00	0.00	1.00	0.00	4.04	19.64	2.00	0.00	1.00	0.00
4.06	18.76	2.00	0.00	1.00	0.00	4.08	17.78	2.00	0.00	1.00	0.00
4.10	17.19	2.00	0.00	1.00	0.00	4.12	16.51	2.00	0.00	1.00	0.00
4.14	16.22	2.00	0.00	1.00	0.00	4.16	14.97	2.00	0.00	1.00	0.00
4.18	14.52	2.00	0.00	1.00	0.00	4.20	14.13	2.00	0.00	1.00	0.00
4.22	13.15	2.00	0.00	1.00	0.00	4.24	12.72	2.00	0.00	1.00	0.00
4.26	12.57	2.00	0.00	1.00	0.00	4.28	12.49	2.00	0.00	1.00	0.00
4.30	12.46	2.00	0.00	1.00	0.00	4.32	12.42	2.00	0.00	1.00	0.00
4.34	12.62	2.00	0.00	1.00	0.00	4.36	12.27	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.38	11.32	2.00	0.00	1.00	0.00	4.40	10.78	2.00	0.00	1.00	0.00
4.42	10.74	2.00	0.00	1.00	0.00	4.44	10.71	2.00	0.00	1.00	0.00
4.46	10.70	2.00	0.00	1.00	0.00	4.48	10.86	2.00	0.00	1.00	0.00
4.50	11.01	2.00	0.00	1.00	0.00	4.52	11.67	2.00	0.00	1.00	0.00
4.54	12.10	2.00	0.00	1.00	0.00	4.56	12.18	2.00	0.00	1.00	0.00
4.58	12.07	2.00	0.00	1.00	0.00	4.60	12.09	2.00	0.00	1.00	0.00
4.62	12.11	2.00	0.00	1.00	0.00	4.64	12.70	2.00	0.00	1.00	0.00
4.66	12.96	2.00	0.00	1.00	0.00	4.68	13.41	2.00	0.00	1.00	0.00
4.70	13.45	2.00	0.00	1.00	0.00	4.72	14.35	2.00	0.00	1.00	0.00
4.74	14.42	2.00	0.00	1.00	0.00	4.76	14.02	2.00	0.00	1.00	0.00
4.78	13.60	2.00	0.00	1.00	0.00	4.80	13.57	2.00	0.00	1.00	0.00
4.82	13.55	2.00	0.00	1.00	0.00	4.84	13.55	2.00	0.00	1.00	0.00
4.86	13.56	2.00	0.00	1.00	0.00	4.88	14.07	2.00	0.00	1.00	0.00
4.90	14.33	2.00	0.00	1.00	0.00	4.92	15.24	2.00	0.00	1.00	0.00
4.94	15.83	2.00	0.00	1.00	0.00	4.96	16.52	2.00	0.00	1.00	0.00
4.98	17.98	2.00	0.00	1.00	0.00	5.00	18.56	2.00	0.00	1.00	0.00
5.02	18.99	2.00	0.00	1.00	0.00	5.04	19.41	2.00	0.00	1.00	0.00
5.06	20.20	2.00	0.00	1.00	0.00	5.08	20.55	2.00	0.00	1.00	0.00
5.10	21.00	2.00	0.00	1.00	0.00	5.12	22.02	2.00	0.00	1.00	0.00
5.14	22.42	2.00	0.00	1.00	0.00	5.16	23.64	2.00	0.00	1.00	0.00
5.19	24.32	2.00	0.00	1.00	0.00	5.20	25.48	2.00	0.00	1.00	0.00
5.22	25.90	2.00	0.00	1.00	0.00	5.24	25.70	2.00	0.00	1.00	0.00
5.26	25.74	2.00	0.00	1.00	0.00	5.28	26.28	2.00	0.00	1.00	0.00
5.30	26.25	2.00	0.00	1.00	0.00	5.32	26.23	2.00	0.00	1.00	0.00
5.34	26.21	2.00	0.00	1.00	0.00	5.36	26.28	2.00	0.00	1.00	0.00
5.38	26.47	2.00	0.00	1.00	0.00	5.40	26.88	2.00	0.00	1.00	0.00
5.42	27.23	2.00	0.00	1.00	0.00	5.44	27.98	2.00	0.00	1.00	0.00
5.46	28.47	2.00	0.00	1.00	0.00	5.48	28.35	2.00	0.00	1.00	0.00
5.50	28.52	2.00	0.00	1.00	0.00	5.52	28.03	2.00	0.00	1.00	0.00
5.54	27.83	2.00	0.00	1.00	0.00	5.56	27.79	2.00	0.00	1.00	0.00
5.58	27.75	2.00	0.00	1.00	0.00	5.60	27.71	2.00	0.00	1.00	0.00
5.62	27.67	2.00	0.00	1.00	0.00	5.64	27.68	2.00	0.00	1.00	0.00
5.66	27.59	2.00	0.00	1.00	0.00	5.68	27.54	2.00	0.00	1.00	0.00
5.70	27.53	2.00	0.00	1.00	0.00	5.72	27.53	2.00	0.00	1.00	0.00
5.74	27.56	2.00	0.00	1.00	0.00	5.76	27.67	2.00	0.00	1.00	0.00
5.78	27.92	2.00	0.00	1.00	0.00	5.80	27.84	2.00	0.00	1.00	0.00
5.82	27.67	2.00	0.00	1.00	0.00	5.84	27.41	2.00	0.00	1.00	0.00
5.86	26.88	2.00	0.00	1.00	0.00	5.88	26.76	2.00	0.00	1.00	0.00
5.90	26.72	2.00	0.00	1.00	0.00	5.92	26.67	2.00	0.00	1.00	0.00
5.94	26.64	2.00	0.00	1.00	0.00	5.96	26.59	2.00	0.00	1.00	0.00
5.98	26.54	2.00	0.00	1.00	0.00	6.00	26.20	2.00	0.00	1.00	0.00
6.02	26.08	2.00	0.00	1.00	0.00	6.04	26.01	2.00	0.00	1.00	0.00
6.06	25.75	2.00	0.00	1.00	0.00	6.08	25.45	2.00	0.00	1.00	0.00
6.10	25.35	2.00	0.00	1.00	0.00	6.12	24.64	2.00	0.00	1.00	0.00
6.14	23.90	2.00	0.00	1.00	0.00	6.16	23.13	2.00	0.00	1.00	0.00
6.18	22.58	2.00	0.00	1.00	0.00	6.20	22.42	2.00	0.00	1.00	0.00
6.22	22.33	2.00	0.00	1.00	0.00	6.24	22.29	2.00	0.00	1.00	0.00
6.26	22.69	2.00	0.00	1.00	0.00	6.28	23.10	2.00	0.00	1.00	0.00
6.30	23.86	2.00	0.00	1.00	0.00	6.32	24.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.34	25.09	2.00	0.00	1.00	0.00	6.36	25.16	2.00	0.00	1.00	0.00
6.38	24.98	2.00	0.00	1.00	0.00	6.40	24.57	2.00	0.00	1.00	0.00
6.42	24.46	2.00	0.00	1.00	0.00	6.44	24.42	2.00	0.00	1.00	0.00
6.46	24.38	2.00	0.00	1.00	0.00	6.48	24.41	2.00	0.00	1.00	0.00
6.50	24.44	2.00	0.00	1.00	0.00	6.52	24.65	2.00	0.00	1.00	0.00
6.54	25.13	2.00	0.00	1.00	0.00	6.56	25.15	2.00	0.00	1.00	0.00
6.58	25.13	2.00	0.00	1.00	0.00	6.60	25.12	2.00	0.00	1.00	0.00
6.62	25.11	2.00	0.00	1.00	0.00	6.64	25.29	2.00	0.00	1.00	0.00
6.66	25.24	2.00	0.00	1.00	0.00	6.68	25.24	2.00	0.00	1.00	0.00
6.70	25.24	2.00	0.00	1.00	0.00	6.72	25.27	2.00	0.00	1.00	0.00
6.74	25.36	2.00	0.00	1.00	0.00	6.76	25.54	2.00	0.00	1.00	0.00
6.78	25.18	2.00	0.00	1.00	0.00	6.80	24.93	2.00	0.00	1.00	0.00
6.82	24.88	2.00	0.00	1.00	0.00	6.84	24.89	2.00	0.00	1.00	0.00
6.86	24.89	2.00	0.00	1.00	0.00	6.88	24.94	2.00	0.00	1.00	0.00
6.90	25.21	2.00	0.00	1.00	0.00	6.92	25.68	2.00	0.00	1.00	0.00
6.94	25.49	2.00	0.00	1.00	0.00	6.96	26.59	2.00	0.00	1.00	0.00
6.98	25.90	2.00	0.00	1.00	0.00	7.00	25.33	2.00	0.00	1.00	0.00
7.02	25.38	2.00	0.00	1.00	0.00	7.04	24.76	2.00	0.00	1.00	0.00
7.06	24.09	2.00	0.00	1.00	0.00	7.08	23.63	2.00	0.00	1.00	0.00
7.10	23.09	2.00	0.00	1.00	0.00	7.12	22.84	2.00	0.00	1.00	0.00
7.14	22.82	2.00	0.00	1.00	0.00	7.16	22.79	2.00	0.00	1.00	0.00
7.18	22.76	2.00	0.00	1.00	0.00	7.20	22.82	2.00	0.00	1.00	0.00
7.22	22.99	2.00	0.00	1.00	0.00	7.24	22.85	2.00	0.00	1.00	0.00
7.26	22.18	2.00	0.00	1.00	0.00	7.28	22.12	2.00	0.00	1.00	0.00
7.30	22.06	2.00	0.00	1.00	0.00	7.32	22.19	2.00	0.00	1.00	0.00
7.34	21.50	2.00	0.00	1.00	0.00	7.36	20.92	2.00	0.00	1.00	0.00
7.38	20.91	2.00	0.00	1.00	0.00	7.40	20.49	2.00	0.00	1.00	0.00
7.42	20.46	2.00	0.00	1.00	0.00	7.44	20.56	2.00	0.00	1.00	0.00
7.46	20.40	2.00	0.00	1.00	0.00	7.48	18.96	2.00	0.00	1.00	0.00
7.50	18.95	2.00	0.00	1.00	0.00	7.52	18.93	2.00	0.00	1.00	0.00
7.54	18.95	2.00	0.00	1.00	0.00	7.56	19.02	2.00	0.00	1.00	0.00
7.58	19.41	2.00	0.00	1.00	0.00	7.60	19.75	2.00	0.00	1.00	0.00
7.62	19.75	2.00	0.00	1.00	0.00	7.64	20.40	2.00	0.00	1.00	0.00
7.66	20.69	2.00	0.00	1.00	0.00	7.68	20.22	2.00	0.00	1.00	0.00
7.70	20.22	2.00	0.00	1.00	0.00	7.72	18.34	2.00	0.00	1.00	0.00
7.74	16.52	2.00	0.00	1.00	0.00	7.76	15.27	2.00	0.00	1.00	0.00
7.78	14.68	2.00	0.00	1.00	0.00	7.80	14.62	2.00	0.00	1.00	0.00
7.82	14.60	2.00	0.00	1.00	0.00	7.84	14.59	2.00	0.00	1.00	0.00
7.86	14.83	2.00	0.00	1.00	0.00	7.88	15.07	2.00	0.00	1.00	0.00
7.90	15.29	2.00	0.00	1.00	0.00	7.92	15.32	2.00	0.00	1.00	0.00
7.94	17.73	2.00	0.00	1.00	0.00	7.96	16.87	2.00	0.00	1.00	0.00
7.98	16.86	2.00	0.00	1.00	0.00	8.00	16.85	2.00	0.00	1.00	0.00
8.02	17.01	2.00	0.00	1.00	0.00	8.04	17.39	2.00	0.00	1.00	0.00
8.06	17.22	2.00	0.00	1.00	0.00	8.08	17.53	2.00	0.00	1.00	0.00
8.10	19.20	2.00	0.00	1.00	0.00	8.12	20.44	2.00	0.00	1.00	0.00
8.14	22.06	2.00	0.00	1.00	0.00	8.16	23.04	2.00	0.00	1.00	0.00
8.18	23.42	2.00	0.00	1.00	0.00	8.20	23.18	2.00	0.00	1.00	0.00
8.22	23.12	2.00	0.00	1.00	0.00	8.24	23.09	2.00	0.00	1.00	0.00
8.26	23.08	2.00	0.00	1.00	0.00	8.28	23.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.30	23.22	2.00	0.00	1.00	0.00	8.32	23.56	2.00	0.00	1.00	0.00
8.34	24.29	2.00	0.00	1.00	0.00	8.36	23.56	2.00	0.00	1.00	0.00
8.38	23.61	2.00	0.00	1.00	0.00	8.40	23.65	2.00	0.00	1.00	0.00
8.42	23.88	2.00	0.00	1.00	0.00	8.44	23.90	2.00	0.00	1.00	0.00
8.46	23.94	2.00	0.00	1.00	0.00	8.48	23.89	2.00	0.00	1.00	0.00
8.50	23.87	2.00	0.00	1.00	0.00	8.52	23.86	2.00	0.00	1.00	0.00
8.54	23.85	2.00	0.00	1.00	0.00	8.56	23.92	2.00	0.00	1.00	0.00
8.58	24.18	2.00	0.00	1.00	0.00	8.60	24.27	2.00	0.00	1.00	0.00
8.62	24.46	2.00	0.00	1.00	0.00	8.64	24.44	2.00	0.00	1.00	0.00
8.66	24.42	2.00	0.00	1.00	0.00	8.68	24.80	2.00	0.00	1.00	0.00
8.70	24.92	2.00	0.00	1.00	0.00	8.72	25.71	2.00	0.00	1.00	0.00
8.74	26.95	2.00	0.00	1.00	0.00	8.76	24.69	2.00	0.00	1.00	0.00
8.78	23.73	2.00	0.00	1.00	0.00	8.80	22.77	2.00	0.00	1.00	0.00
8.82	22.69	2.00	0.00	1.00	0.00	8.84	22.37	2.00	0.00	1.00	0.00
8.86	21.63	2.00	0.00	1.00	0.00	8.88	21.32	2.00	0.00	1.00	0.00
8.90	21.31	2.00	0.00	1.00	0.00	8.91	20.64	2.00	0.00	1.00	0.00
8.93	20.34	2.00	0.00	1.00	0.00	8.95	20.31	2.00	0.00	1.00	0.00
8.97	20.29	2.00	0.00	1.00	0.00	8.99	20.27	2.00	0.00	1.00	0.00
9.01	20.25	2.00	0.00	1.00	0.00	9.03	20.37	2.00	0.00	1.00	0.00
9.05	20.85	2.00	0.00	1.00	0.00	9.07	21.06	2.00	0.00	1.00	0.00
9.09	21.52	2.00	0.00	1.00	0.00	9.11	22.93	2.00	0.00	1.00	0.00
9.13	22.95	2.00	0.00	1.00	0.00	9.15	22.66	2.00	0.00	1.00	0.00
9.17	22.27	2.00	0.00	1.00	0.00	9.19	21.54	2.00	0.00	1.00	0.00
9.21	20.68	2.00	0.00	1.00	0.00	9.23	20.51	2.00	0.00	1.00	0.00
9.25	20.31	2.00	0.00	1.00	0.00	9.27	20.19	2.00	0.00	1.00	0.00
9.29	20.13	2.00	0.00	1.00	0.00	9.31	20.10	2.00	0.00	1.00	0.00
9.33	20.08	2.00	0.00	1.00	0.00	9.35	20.06	2.00	0.00	1.00	0.00
9.37	20.08	2.00	0.00	1.00	0.00	9.39	20.02	2.00	0.00	1.00	0.00
9.41	20.00	2.00	0.00	1.00	0.00	9.43	19.97	2.00	0.00	1.00	0.00
9.45	20.05	2.00	0.00	1.00	0.00	9.47	19.84	2.00	0.00	1.00	0.00
9.49	19.15	2.00	0.00	1.00	0.00	9.51	18.74	2.00	0.00	1.00	0.00
9.53	18.55	2.00	0.00	1.00	0.00	9.55	18.45	2.00	0.00	1.00	0.00
9.57	18.36	2.00	0.00	1.00	0.00	9.59	18.61	2.00	0.00	1.00	0.00
9.61	17.90	2.00	0.00	1.00	0.00	9.63	17.11	2.00	0.00	1.00	0.00
9.65	16.29	2.00	0.00	1.00	0.00	9.67	15.54	2.00	0.00	1.00	0.00
9.69	14.46	2.00	0.00	1.00	0.00	9.71	13.69	2.00	0.00	1.00	0.00
9.73	13.61	2.00	0.00	1.00	0.00	9.75	13.56	2.00	0.00	1.00	0.00
9.77	13.54	2.00	0.00	1.00	0.00	9.79	13.55	2.00	0.00	1.00	0.00
9.81	13.55	2.00	0.00	1.00	0.00	9.83	13.87	2.00	0.00	1.00	0.00
9.85	14.74	2.00	0.00	1.00	0.00	9.87	15.10	2.00	0.00	1.00	0.00
9.89	16.16	2.00	0.00	1.00	0.00	9.91	16.99	2.00	0.00	1.00	0.00
9.93	16.44	2.00	0.00	1.00	0.00	9.95	15.17	2.00	0.00	1.00	0.00
9.97	14.87	2.00	0.00	1.00	0.00	9.99	14.84	2.00	0.00	1.00	0.00
10.01	14.83	2.00	0.00	1.00	0.00	10.03	14.82	2.00	0.00	1.00	0.00
10.05	14.82	2.00	0.00	1.00	0.00	10.07	14.87	2.00	0.00	1.00	0.00
10.09	14.90	2.00	0.00	1.00	0.00	10.11	14.32	2.00	0.00	1.00	0.00
10.13	14.05	2.00	0.00	1.00	0.00	10.15	13.77	2.00	0.00	1.00	0.00
10.17	13.84	2.00	0.00	1.00	0.00	10.19	13.71	2.00	0.00	1.00	0.00
10.21	13.65	2.00	0.00	1.00	0.00	10.23	13.73	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.25	13.81	2.00	0.00	1.00	0.00	10.27	14.00	2.00	0.00	1.00	0.00
10.29	15.71	2.00	0.00	1.00	0.00	10.31	15.99	2.00	0.00	1.00	0.00
10.33	15.34	2.00	0.00	1.00	0.00	10.35	15.01	2.00	0.00	1.00	0.00
10.37	14.84	2.00	0.00	1.00	0.00	10.39	14.98	2.00	0.00	1.00	0.00
10.41	15.11	2.00	0.00	1.00	0.00	10.43	15.40	2.00	0.00	1.00	0.00
10.45	16.01	2.00	0.00	1.00	0.00	10.47	16.02	2.00	0.00	1.00	0.00
10.49	15.57	2.00	0.00	1.00	0.00	10.51	14.37	2.00	0.00	1.00	0.00
10.53	14.04	2.00	0.00	1.00	0.00	10.55	14.03	2.00	0.00	1.00	0.00
10.57	14.02	2.00	0.00	1.00	0.00	10.59	14.02	2.00	0.00	1.00	0.00
10.61	14.02	2.00	0.00	1.00	0.00	10.63	14.35	2.00	0.00	1.00	0.00
10.65	15.29	2.00	0.00	1.00	0.00	10.67	17.25	2.00	0.00	1.00	0.00
10.69	17.21	2.00	0.00	1.00	0.00	10.71	17.20	2.00	0.00	1.00	0.00
10.73	17.21	2.00	0.00	1.00	0.00	10.75	16.65	2.00	0.00	1.00	0.00
10.77	15.85	2.00	0.00	1.00	0.00	10.79	14.65	2.00	0.00	1.00	0.00
10.81	14.39	2.00	0.00	1.00	0.00	10.83	14.33	2.00	0.00	1.00	0.00
10.85	14.30	2.00	0.00	1.00	0.00	10.87	14.43	2.00	0.00	1.00	0.00
10.89	14.55	2.00	0.00	1.00	0.00	10.91	15.80	2.00	0.00	1.00	0.00
10.93	15.32	2.00	0.00	1.00	0.00	10.95	15.08	2.00	0.00	1.00	0.00
10.97	14.91	2.00	0.00	1.00	0.00	10.99	14.70	2.00	0.00	1.00	0.00
11.01	14.33	2.00	0.00	1.00	0.00	11.03	13.89	2.00	0.00	1.00	0.00
11.05	13.34	2.00	0.00	1.00	0.00	11.07	12.97	2.00	0.00	1.00	0.00
11.09	12.95	2.00	0.00	1.00	0.00	11.11	13.08	2.00	0.00	1.00	0.00
11.13	13.20	2.00	0.00	1.00	0.00	11.15	13.45	2.00	0.00	1.00	0.00
11.17	14.19	2.00	0.00	1.00	0.00	11.19	15.16	2.00	0.00	1.00	0.00
11.21	15.36	2.00	0.00	1.00	0.00	11.23	15.55	2.00	0.00	1.00	0.00
11.25	15.51	2.00	0.00	1.00	0.00	11.27	15.61	2.00	0.00	1.00	0.00
11.29	16.70	2.00	0.00	1.00	0.00	11.31	17.24	2.00	0.00	1.00	0.00
11.33	16.67	2.00	0.00	1.00	0.00	11.35	15.86	2.00	0.00	1.00	0.00
11.37	14.48	2.00	0.00	1.00	0.00	11.39	14.16	2.00	0.00	1.00	0.00
11.41	13.75	2.00	0.00	1.00	0.00	11.43	13.72	2.00	0.00	1.00	0.00
11.45	13.74	2.00	0.00	1.00	0.00	11.47	13.77	2.00	0.00	1.00	0.00
11.49	13.82	2.00	0.00	1.00	0.00	11.51	14.09	2.00	0.00	1.00	0.00
11.53	13.82	2.00	0.00	1.00	0.00	11.55	13.81	2.00	0.00	1.00	0.00
11.57	13.84	2.00	0.00	1.00	0.00	11.59	13.87	2.00	0.00	1.00	0.00
11.61	13.94	2.00	0.00	1.00	0.00	11.63	13.82	2.00	0.00	1.00	0.00
11.65	13.04	2.00	0.00	1.00	0.00	11.67	13.02	2.00	0.00	1.00	0.00
11.69	13.04	2.00	0.00	1.00	0.00	11.71	13.07	2.00	0.00	1.00	0.00
11.73	13.24	2.00	0.00	1.00	0.00	11.75	13.59	2.00	0.00	1.00	0.00
11.77	13.47	2.00	0.00	1.00	0.00	11.79	14.11	2.00	0.00	1.00	0.00
11.81	14.14	2.00	0.00	1.00	0.00	11.83	14.56	2.00	0.00	1.00	0.00
11.85	14.46	2.00	0.00	1.00	0.00	11.87	14.68	2.00	0.00	1.00	0.00
11.89	15.36	2.00	0.00	1.00	0.00	11.91	15.00	2.00	0.00	1.00	0.00
11.93	14.56	2.00	0.00	1.00	0.00	11.95	13.92	2.00	0.00	1.00	0.00
11.97	13.09	2.00	0.00	1.00	0.00	11.99	12.40	2.00	0.00	1.00	0.00
12.01	12.09	2.00	0.00	1.00	0.00	12.03	11.80	2.00	0.00	1.00	0.00
12.05	11.72	2.00	0.00	1.00	0.00	12.07	11.47	2.00	0.00	1.00	0.00
12.09	11.43	2.00	0.00	1.00	0.00	12.11	11.34	2.00	0.00	1.00	0.00
12.13	11.32	2.00	0.00	1.00	0.00	12.15	11.31	2.00	0.00	1.00	0.00
12.16	11.31	2.00	0.00	1.00	0.00	12.18	11.31	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.20	11.53	2.00	0.00	1.00	0.00	12.22	11.74	2.00	0.00	1.00	0.00
12.24	12.01	2.00	0.00	1.00	0.00	12.26	12.16	2.00	0.00	1.00	0.00
12.28	12.34	2.00	0.00	1.00	0.00	12.30	12.62	2.00	0.00	1.00	0.00
12.32	12.69	2.00	0.00	1.00	0.00	12.34	13.01	2.00	0.00	1.00	0.00
12.36	13.02	2.00	0.00	1.00	0.00	12.38	12.60	2.00	0.00	1.00	0.00
12.40	12.58	2.00	0.00	1.00	0.00	12.42	12.57	2.00	0.00	1.00	0.00
12.44	12.49	2.00	0.00	1.00	0.00	12.46	12.16	2.00	0.00	1.00	0.00
12.48	12.07	2.00	0.00	1.00	0.00	12.50	12.06	2.00	0.00	1.00	0.00
12.52	12.05	2.00	0.00	1.00	0.00	12.54	12.04	2.00	0.00	1.00	0.00
12.56	12.04	2.00	0.00	1.00	0.00	12.58	12.20	2.00	0.00	1.00	0.00
12.60	12.12	2.00	0.00	1.00	0.00	12.62	12.12	2.00	0.00	1.00	0.00
12.64	12.12	2.00	0.00	1.00	0.00	12.66	12.10	2.00	0.00	1.00	0.00
12.68	12.09	2.00	0.00	1.00	0.00	12.70	12.09	2.00	0.00	1.00	0.00
12.72	12.11	2.00	0.00	1.00	0.00	12.74	12.62	2.00	0.00	1.00	0.00
12.76	12.90	2.00	0.00	1.00	0.00	12.78	13.05	2.00	0.00	1.00	0.00
12.80	12.89	2.00	0.00	1.00	0.00	12.82	12.72	2.00	0.00	1.00	0.00
12.84	12.66	2.00	0.00	1.00	0.00	12.86	12.60	2.00	0.00	1.00	0.00
12.88	12.64	2.00	0.00	1.00	0.00	12.90	12.40	2.00	0.00	1.00	0.00
12.92	12.34	2.00	0.00	1.00	0.00	12.94	12.33	2.00	0.00	1.00	0.00
12.96	12.32	2.00	0.00	1.00	0.00	12.98	12.31	2.00	0.00	1.00	0.00
13.00	12.61	2.00	0.00	1.00	0.00	13.02	13.04	2.00	0.00	1.00	0.00
13.04	13.13	2.00	0.00	1.00	0.00	13.06	13.32	2.00	0.00	1.00	0.00
13.08	13.37	2.00	0.00	1.00	0.00	13.10	13.19	2.00	0.00	1.00	0.00
13.12	12.70	2.00	0.00	1.00	0.00	13.14	12.38	2.00	0.00	1.00	0.00
13.16	12.35	2.00	0.00	1.00	0.00	13.18	12.35	2.00	0.00	1.00	0.00
13.20	12.34	2.00	0.00	1.00	0.00	13.22	12.33	2.00	0.00	1.00	0.00
13.24	12.37	2.00	0.00	1.00	0.00	13.26	12.40	2.00	0.00	1.00	0.00
13.28	12.64	2.00	0.00	1.00	0.00	13.30	13.14	2.00	0.00	1.00	0.00
13.32	14.38	2.00	0.00	1.00	0.00	13.34	13.39	2.00	0.00	1.00	0.00
13.36	13.47	2.00	0.00	1.00	0.00	13.38	13.55	2.00	0.00	1.00	0.00
13.40	13.91	2.00	0.00	1.00	0.00	13.42	13.88	2.00	0.00	1.00	0.00
13.44	13.01	2.00	0.00	1.00	0.00	13.46	11.66	2.00	0.00	1.00	0.00
13.48	10.50	2.00	0.00	1.00	0.00	13.50	10.42	2.00	0.00	1.00	0.00
13.52	10.40	2.00	0.00	1.00	0.00	13.54	10.01	2.00	0.00	1.00	0.00
13.56	9.86	2.00	0.00	1.00	0.00	13.58	9.82	2.00	0.00	1.00	0.00
13.60	9.81	2.00	0.00	1.00	0.00	13.62	9.97	2.00	0.00	1.00	0.00
13.64	10.14	2.00	0.00	1.00	0.00	13.66	10.36	2.00	0.00	1.00	0.00
13.68	10.23	2.00	0.00	1.00	0.00	13.70	10.26	2.00	0.00	1.00	0.00
13.72	10.30	2.00	0.00	1.00	0.00	13.74	10.40	2.00	0.00	1.00	0.00
13.76	10.86	2.00	0.00	1.00	0.00	13.78	10.91	2.00	0.00	1.00	0.00
13.80	11.05	2.00	0.00	1.00	0.00	13.82	11.19	2.00	0.00	1.00	0.00
13.84	13.69	2.00	0.00	1.00	0.00	13.86	21.63	2.00	0.00	1.00	0.00
13.88	19.14	2.00	0.00	1.00	0.00	13.90	18.35	2.00	0.00	1.00	0.00
13.92	18.38	2.00	0.00	1.00	0.00	13.94	18.42	2.00	0.00	1.00	0.00
13.96	18.53	2.00	0.00	1.00	0.00	13.98	19.14	2.00	0.00	1.00	0.00
14.00	19.93	2.00	0.00	1.00	0.00	14.02	19.39	2.00	0.00	1.00	0.00
14.04	17.98	2.00	0.00	1.00	0.00	14.05	16.23	2.00	0.00	1.00	0.00
14.07	15.04	2.00	0.00	1.00	0.00	14.09	14.47	2.00	0.00	1.00	0.00
14.11	14.45	2.00	0.00	1.00	0.00	14.13	14.45	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.15	14.45	2.00	0.00	1.00	0.00	14.17	15.46	2.00	0.00	1.00	0.00
14.19	14.63	2.00	0.00	1.00	0.00	14.21	14.44	2.00	0.00	1.00	0.00
14.23	14.25	2.00	0.00	1.00	0.00	14.25	12.91	2.00	0.00	1.00	0.00
14.27	11.78	2.00	0.00	1.00	0.00	14.29	11.32	2.00	0.00	1.00	0.00
14.31	11.03	2.00	0.00	1.00	0.00	14.33	10.82	2.00	0.00	1.00	0.00
14.35	10.65	2.00	0.00	1.00	0.00	14.37	10.62	2.00	0.00	1.00	0.00
14.39	10.61	2.00	0.00	1.00	0.00	14.41	10.61	2.00	0.00	1.00	0.00
14.43	10.70	2.00	0.00	1.00	0.00	14.45	11.70	2.00	0.00	1.00	0.00
14.47	12.36	2.00	0.00	1.00	0.00	14.49	11.77	2.00	0.00	1.00	0.00
14.51	11.93	2.00	0.00	1.00	0.00	14.53	12.08	2.00	0.00	1.00	0.00
14.55	12.42	2.00	0.00	1.00	0.00	14.57	13.12	2.00	0.00	1.00	0.00
14.59	14.14	2.00	0.00	1.00	0.00	14.61	14.15	2.00	0.00	1.00	0.00
14.63	13.89	2.00	0.00	1.00	0.00	14.65	13.76	2.00	0.00	1.00	0.00
14.67	13.77	2.00	0.00	1.00	0.00	14.69	13.78	2.00	0.00	1.00	0.00
14.71	14.08	2.00	0.00	1.00	0.00	14.73	14.55	2.00	0.00	1.00	0.00
14.75	14.24	2.00	0.00	1.00	0.00	14.77	14.25	2.00	0.00	1.00	0.00
14.79	14.27	2.00	0.00	1.00	0.00	14.81	14.45	2.00	0.00	1.00	0.00
14.83	14.46	2.00	0.00	1.00	0.00	14.85	15.57	2.00	0.00	1.00	0.00
14.87	14.96	2.00	0.00	1.00	0.00	14.89	15.17	2.00	0.00	1.00	0.00
14.91	15.39	2.00	0.00	1.00	0.00	14.93	16.11	2.00	0.00	1.00	0.00
14.95	17.61	2.00	0.00	1.00	0.00	14.97	16.32	2.00	0.00	1.00	0.00
14.99	13.70	2.00	0.00	1.00	0.00	15.01	13.63	2.00	0.00	1.00	0.00
15.03	13.62	2.00	0.00	1.00	0.00	15.05	13.62	2.00	0.00	1.00	0.00
15.07	13.64	2.00	0.00	1.00	0.00	15.09	14.87	2.00	0.00	1.00	0.00
15.11	17.54	2.00	0.00	1.00	0.00	15.13	17.80	2.00	0.00	1.00	0.00
15.15	15.65	2.00	0.00	1.00	0.00	15.17	12.72	2.00	0.00	1.00	0.00
15.19	12.47	2.00	0.00	1.00	0.00	15.21	12.31	2.00	0.00	1.00	0.00
15.23	12.04	2.00	0.00	1.00	0.00	15.25	11.53	2.00	0.00	1.00	0.00
15.27	11.17	2.00	0.00	1.00	0.00	15.29	10.90	2.00	0.00	1.00	0.00
15.31	10.84	2.00	0.00	1.00	0.00	15.33	10.77	2.00	0.00	1.00	0.00
15.35	10.78	2.00	0.00	1.00	0.00	15.37	10.73	2.00	0.00	1.00	0.00
15.39	10.86	2.00	0.00	1.00	0.00	15.41	10.12	2.00	0.00	1.00	0.00
15.43	9.87	2.00	0.00	1.00	0.00	15.45	9.57	2.00	0.00	1.00	0.00
15.47	9.57	2.00	0.00	1.00	0.00	15.48	9.58	2.00	0.00	1.00	0.00
15.50	9.60	2.00	0.00	1.00	0.00	15.52	9.67	2.00	0.00	1.00	0.00
15.54	10.49	2.00	0.00	1.00	0.00	15.56	10.94	2.00	0.00	1.00	0.00
15.58	10.71	2.00	0.00	1.00	0.00	15.60	10.15	2.00	0.00	1.00	0.00
15.62	9.63	2.00	0.00	1.00	0.00	15.64	8.44	2.00	0.00	1.00	0.00
15.66	8.24	2.00	0.00	1.00	0.00	15.68	8.14	2.00	0.00	1.00	0.00
15.70	8.10	2.00	0.00	1.00	0.00	15.72	8.13	2.00	0.00	1.00	0.00
15.74	8.16	2.00	0.00	1.00	0.00	15.76	8.22	2.00	0.00	1.00	0.00
15.78	8.36	2.00	0.00	1.00	0.00	15.80	8.79	2.00	0.00	1.00	0.00
15.82	9.82	2.00	0.00	1.00	0.00	15.84	10.86	2.00	0.00	1.00	0.00
15.86	10.24	2.00	0.00	1.00	0.00	15.88	9.70	2.00	0.00	1.00	0.00
15.90	9.65	2.00	0.00	1.00	0.00	15.92	9.63	2.00	0.00	1.00	0.00
15.94	9.61	2.00	0.00	1.00	0.00	15.96	9.92	2.00	0.00	1.00	0.00
15.98	9.44	2.00	0.00	1.00	0.00	16.00	9.23	2.00	0.00	1.00	0.00
16.02	8.64	2.00	0.00	1.00	0.00	16.04	8.52	2.00	0.00	1.00	0.00
16.06	8.40	2.00	0.00	1.00	0.00	16.08	8.36	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
16.10	8.41	2.00	0.00	1.00	0.00	16.12	8.33	2.00	0.00	1.00	0.00
16.14	8.42	2.00	0.00	1.00	0.00	16.16	8.22	2.00	0.00	1.00	0.00
16.18	8.19	2.00	0.00	1.00	0.00	16.20	8.17	2.00	0.00	1.00	0.00
16.22	8.17	2.00	0.00	1.00	0.00	16.24	8.18	2.00	0.00	1.00	0.00
16.26	8.25	2.00	0.00	1.00	0.00	16.28	8.44	2.00	0.00	1.00	0.00
16.30	8.79	2.00	0.00	1.00	0.00	16.32	8.82	2.00	0.00	1.00	0.00
16.34	9.06	2.00	0.00	1.00	0.00	16.36	9.56	2.00	0.00	1.00	0.00
16.38	10.15	2.00	0.00	1.00	0.00	16.40	10.99	2.00	0.00	1.00	0.00
16.42	11.10	2.00	0.00	1.00	0.00	16.44	11.38	2.00	0.00	1.00	0.00
16.46	11.12	2.00	0.00	1.00	0.00	16.48	11.18	2.00	0.00	1.00	0.00
16.50	11.23	2.00	0.00	1.00	0.00	16.52	11.42	2.00	0.00	1.00	0.00
16.54	11.38	2.00	0.00	1.00	0.00	16.56	11.30	2.00	0.00	1.00	0.00
16.58	10.56	2.00	0.00	1.00	0.00	16.60	10.16	2.00	0.00	1.00	0.00
16.62	10.37	2.00	0.00	1.00	0.00	16.64	9.73	2.00	0.00	1.00	0.00
16.66	9.79	2.00	0.00	1.00	0.00	16.67	9.39	2.00	0.00	1.00	0.00
16.69	9.46	2.00	0.00	1.00	0.00	16.71	9.30	2.00	0.00	1.00	0.00
16.73	8.35	2.00	0.00	1.00	0.00	16.75	8.14	2.00	0.00	1.00	0.00
16.77	8.13	2.00	0.00	1.00	0.00	16.79	8.12	2.00	0.00	1.00	0.00
16.81	8.12	2.00	0.00	1.00	0.00	16.83	8.20	2.00	0.00	1.00	0.00
16.85	9.30	2.00	0.00	1.00	0.00	16.87	10.04	2.00	0.00	1.00	0.00
16.89	10.90	2.00	0.00	1.00	0.00	16.91	11.45	2.00	0.00	1.00	0.00
16.93	11.98	2.00	0.00	1.00	0.00	16.95	11.94	2.00	0.00	1.00	0.00
16.97	11.82	2.00	0.00	1.00	0.00	16.99	11.45	2.00	0.00	1.00	0.00
17.01	11.41	2.00	0.00	1.00	0.00	17.03	11.39	2.00	0.00	1.00	0.00
17.05	11.40	2.00	0.00	1.00	0.00	17.07	11.40	2.00	0.00	1.00	0.00
17.09	12.09	2.00	0.00	1.00	0.00	17.11	12.84	2.00	0.00	1.00	0.00
17.13	13.55	2.00	0.00	1.00	0.00	17.15	13.28	2.00	0.00	1.00	0.00
17.17	13.79	2.00	0.00	1.00	0.00	17.19	14.76	2.00	0.00	1.00	0.00
17.21	15.10	2.00	0.00	1.00	0.00	17.23	15.37	2.00	0.00	1.00	0.00
17.25	15.69	2.00	0.00	1.00	0.00	17.27	15.84	2.00	0.00	1.00	0.00
17.29	16.09	2.00	0.00	1.00	0.00	17.31	16.06	2.00	0.00	1.00	0.00
17.33	15.78	2.00	0.00	1.00	0.00	17.35	15.52	2.00	0.00	1.00	0.00
17.37	15.18	2.00	0.00	1.00	0.00	17.39	14.88	2.00	0.00	1.00	0.00
17.41	14.37	2.00	0.00	1.00	0.00	17.43	13.89	2.00	0.00	1.00	0.00
17.45	13.21	2.00	0.00	1.00	0.00	17.47	12.27	2.00	0.00	1.00	0.00
17.49	11.78	2.00	0.00	1.00	0.00	17.51	11.54	2.00	0.00	1.00	0.00
17.53	11.56	2.00	0.00	1.00	0.00	17.55	11.58	2.00	0.00	1.00	0.00
17.57	11.65	2.00	0.00	1.00	0.00	17.59	11.80	2.00	0.00	1.00	0.00
17.61	12.10	2.00	0.00	1.00	0.00	17.63	12.48	2.00	0.00	1.00	0.00
17.65	12.65	2.00	0.00	1.00	0.00	17.67	12.49	2.00	0.00	1.00	0.00
17.69	12.72	2.00	0.00	1.00	0.00	17.71	12.71	2.00	0.00	1.00	0.00
17.73	12.88	2.00	0.00	1.00	0.00	17.75	13.25	2.00	0.00	1.00	0.00
17.76	13.28	2.00	0.00	1.00	0.00	17.78	13.24	2.00	0.00	1.00	0.00
17.80	13.30	2.00	0.00	1.00	0.00	17.82	13.35	2.00	0.00	1.00	0.00
17.84	13.47	2.00	0.00	1.00	0.00	17.86	13.73	2.00	0.00	1.00	0.00
17.88	13.74	2.00	0.00	1.00	0.00	17.90	13.87	2.00	0.00	1.00	0.00
17.92	14.10	2.00	0.00	1.00	0.00	17.94	15.07	2.00	0.00	1.00	0.00
17.96	15.13	2.00	0.00	1.00	0.00	17.98	15.37	2.00	0.00	1.00	0.00
18.00	15.19	2.00	0.00	1.00	0.00	18.02	14.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
18.04	14.36	2.00	0.00	1.00	0.00	18.06	14.35	2.00	0.00	1.00	0.00
18.08	14.35	2.00	0.00	1.00	0.00	18.10	14.36	2.00	0.00	1.00	0.00
18.12	14.42	2.00	0.00	1.00	0.00	18.14	15.33	2.00	0.00	1.00	0.00
18.16	15.31	2.00	0.00	1.00	0.00	18.18	15.33	2.00	0.00	1.00	0.00
18.20	15.34	2.00	0.00	1.00	0.00	18.22	15.78	2.00	0.00	1.00	0.00
18.24	16.20	2.00	0.00	1.00	0.00	18.26	16.57	2.00	0.00	1.00	0.00
18.28	16.92	2.00	0.00	1.00	0.00	18.30	17.07	2.00	0.00	1.00	0.00
18.32	17.27	2.00	0.00	1.00	0.00	18.34	16.80	2.00	0.00	1.00	0.00
18.36	16.46	2.00	0.00	1.00	0.00	18.38	16.44	2.00	0.00	1.00	0.00
18.40	16.44	2.00	0.00	1.00	0.00	18.42	16.44	2.00	0.00	1.00	0.00
18.44	16.46	2.00	0.00	1.00	0.00	18.46	16.73	2.00	0.00	1.00	0.00
18.48	16.55	2.00	0.00	1.00	0.00	18.50	15.81	2.00	0.00	1.00	0.00
18.52	14.86	2.00	0.00	1.00	0.00	18.54	14.36	2.00	0.00	1.00	0.00
18.56	13.67	2.00	0.00	1.00	0.00	18.58	13.05	2.00	0.00	1.00	0.00
18.60	12.89	2.00	0.00	1.00	0.00	18.62	12.85	2.00	0.00	1.00	0.00
18.64	12.85	2.00	0.00	1.00	0.00	18.66	12.62	2.00	0.00	1.00	0.00
18.68	12.52	2.00	0.00	1.00	0.00	18.70	12.49	2.00	0.00	1.00	0.00
18.72	12.41	2.00	0.00	1.00	0.00	18.74	12.37	2.00	0.00	1.00	0.00
18.75	12.36	2.00	0.00	1.00	0.00	18.77	12.36	2.00	0.00	1.00	0.00
18.79	12.35	2.00	0.00	1.00	0.00	18.81	12.57	2.00	0.00	1.00	0.00
18.83	12.82	2.00	0.00	1.00	0.00	18.85	13.16	2.00	0.00	1.00	0.00
18.87	13.65	2.00	0.00	1.00	0.00	18.89	13.60	2.00	0.00	1.00	0.00
18.91	13.60	2.00	0.00	1.00	0.00	18.93	13.55	2.00	0.00	1.00	0.00
18.95	12.87	2.00	0.00	1.00	0.00	18.97	12.60	2.00	0.00	1.00	0.00
18.99	12.24	2.00	0.00	1.00	0.00	19.01	12.19	2.00	0.00	1.00	0.00
19.03	12.19	2.00	0.00	1.00	0.00	19.05	12.19	2.00	0.00	1.00	0.00
19.07	12.21	2.00	0.00	1.00	0.00	19.09	12.49	2.00	0.00	1.00	0.00
19.11	14.12	2.00	0.00	1.00	0.00	19.13	14.06	2.00	0.00	1.00	0.00
19.15	13.68	2.00	0.00	1.00	0.00	19.17	12.86	2.00	0.00	1.00	0.00
19.19	12.28	2.00	0.00	1.00	0.00	19.21	11.38	2.00	0.00	1.00	0.00
19.23	10.23	2.00	0.00	1.00	0.00	19.25	9.60	2.00	0.00	1.00	0.00
19.27	9.25	2.00	0.00	1.00	0.00	19.29	9.12	2.00	0.00	1.00	0.00
19.31	9.06	2.00	0.00	1.00	0.00	19.33	9.18	2.00	0.00	1.00	0.00
19.35	9.29	2.00	0.00	1.00	0.00	19.37	9.53	2.00	0.00	1.00	0.00
19.39	10.27	2.00	0.00	1.00	0.00	19.41	11.00	2.00	0.00	1.00	0.00
19.43	11.53	2.00	0.00	1.00	0.00	19.45	11.53	2.00	0.00	1.00	0.00
19.47	11.92	2.00	0.00	1.00	0.00	19.49	12.56	2.00	0.00	1.00	0.00
19.51	13.09	2.00	0.00	1.00	0.00	19.53	13.56	2.00	0.00	1.00	0.00
19.55	13.81	2.00	0.00	1.00	0.00	19.57	13.79	2.00	0.00	1.00	0.00
19.59	13.90	2.00	0.00	1.00	0.00	19.61	14.35	2.00	0.00	1.00	0.00
19.62	14.45	2.00	0.00	1.00	0.00	19.64	14.49	2.00	0.00	1.00	0.00
19.66	14.41	2.00	0.00	1.00	0.00	19.68	14.11	2.00	0.00	1.00	0.00
19.70	13.74	2.00	0.00	1.00	0.00	19.72	13.00	2.00	0.00	1.00	0.00
19.74	12.15	2.00	0.00	1.00	0.00	19.76	11.52	2.00	0.00	1.00	0.00
19.78	10.89	2.00	0.00	1.00	0.00	19.80	10.19	2.00	0.00	1.00	0.00
19.82	9.55	2.00	0.00	1.00	0.00	19.84	8.88	2.00	0.00	1.00	0.00
19.86	8.50	2.00	0.00	1.00	0.00	19.88	7.88	2.00	0.00	1.00	0.00
19.90	7.62	2.00	0.00	1.00	0.00	19.92	7.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)

Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)

Total estimated settlement: 0.22

Abbreviations

$Q_{tn,cs}$:	Equivalent clean sand normalized cone resistance
FS:	Factor of safety against liquefaction
e_v (%):	Post-liquefaction volumentric strain
DF:	e_v depth weighting factor
Settlement:	Calculated settlement