



PROTEZIONE CIVILE  
Presidenza del Consiglio dei Ministri  
Dipartimento della Protezione Civile



CONFERENZA DELLE REGIONI E  
DELLE PROVINCE AUTONOME

Attuazione dell'articolo 11 della legge 24 giugno 2009, n.77

# MICROZONAZIONE SISMICA

## Verifiche liquefazione

### Livello 3

Regione Emilia-Romagna

Comune di Misano Adriatico



Regione	Soggetto realizzatore	Data
Emilia-Romagna	Geologo Dott. Aldo Antoniazzi Studio di Geologia Tecnica ed Ambientale (capogruppo/mandatario)  Dott. Geol. Marco Baldi (mandante) Dott. Geol. Stefano Castagnetti (mandante) Dott. Geol. Alfredo Ricci (mandante) Dott. Geol. Francesco Stragapede (mandante)	Dicembre 2019

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**LIQUEFACTION ANALYSIS REPORT**

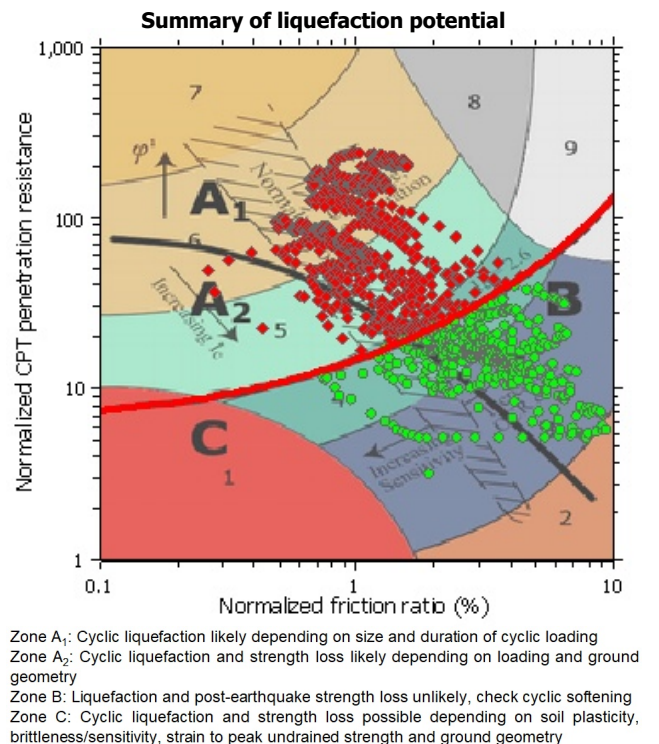
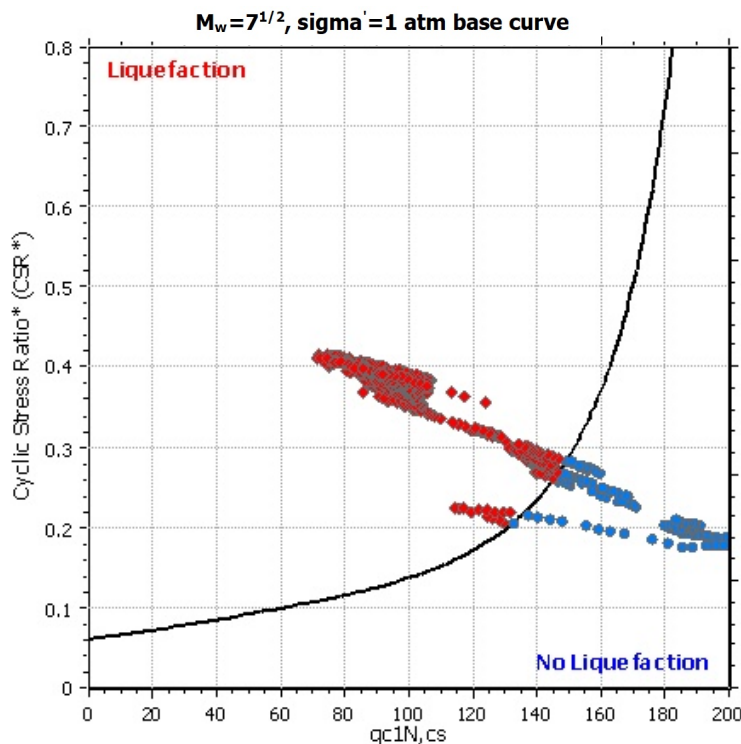
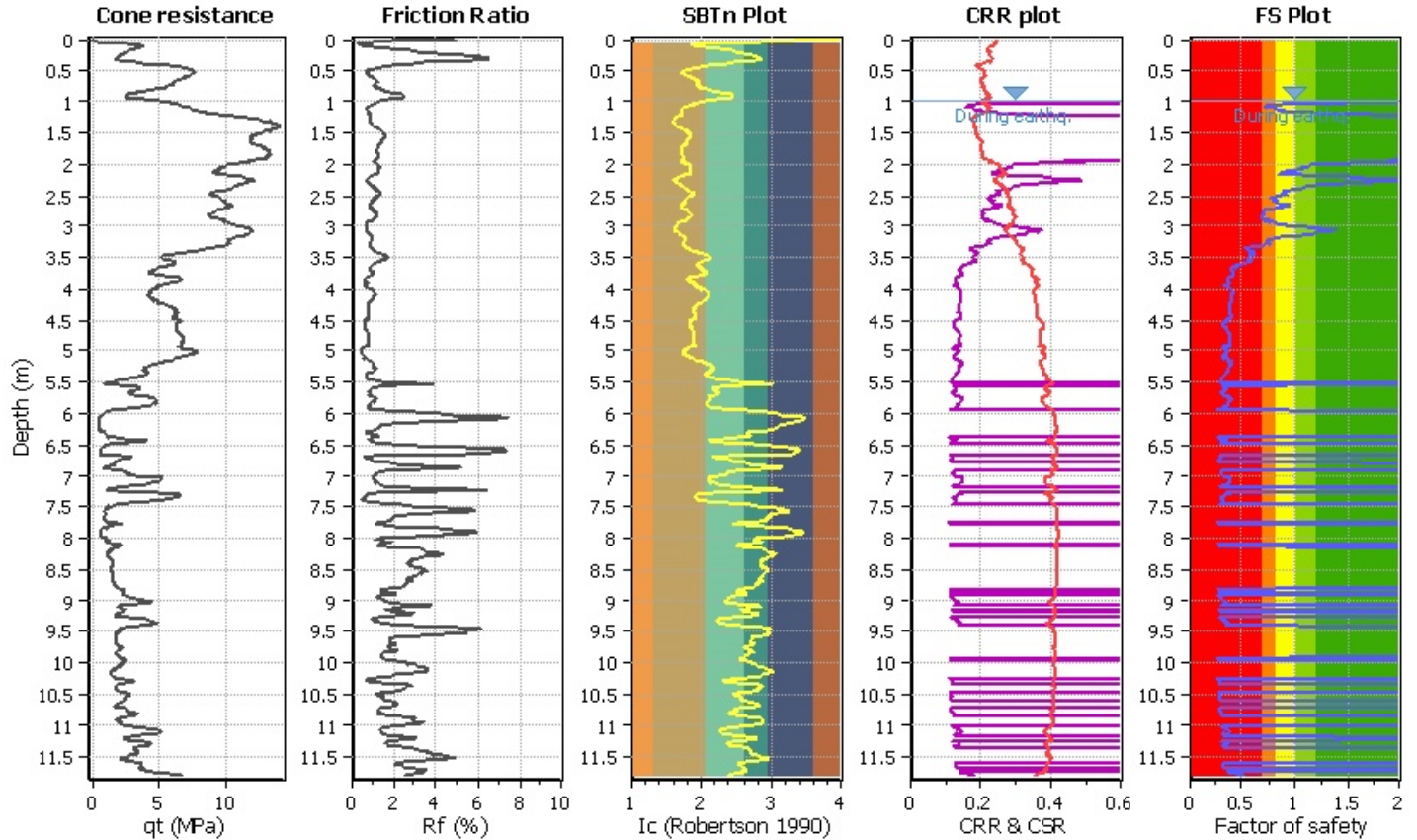
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

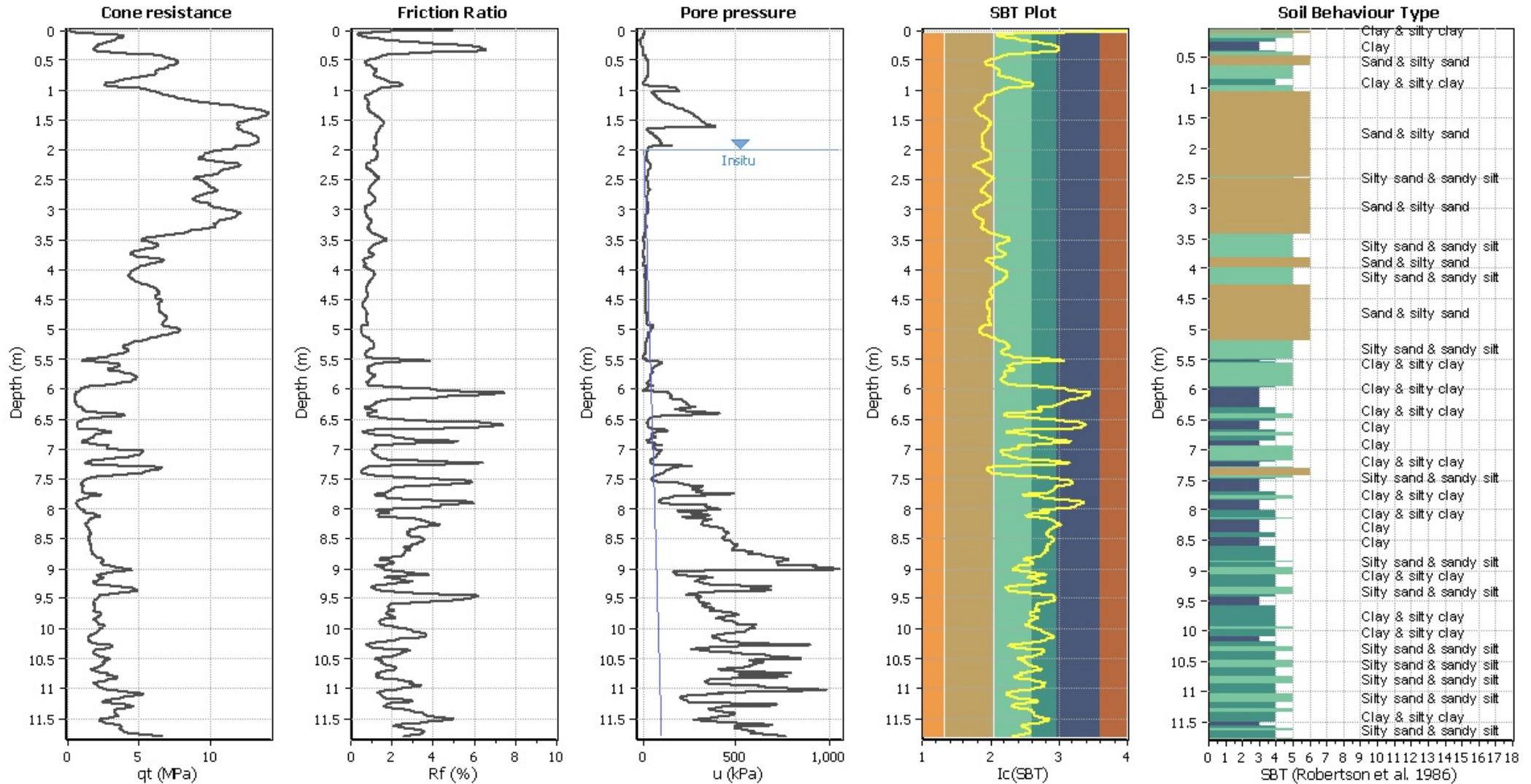
**CPT file : CPTU-01-2017**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



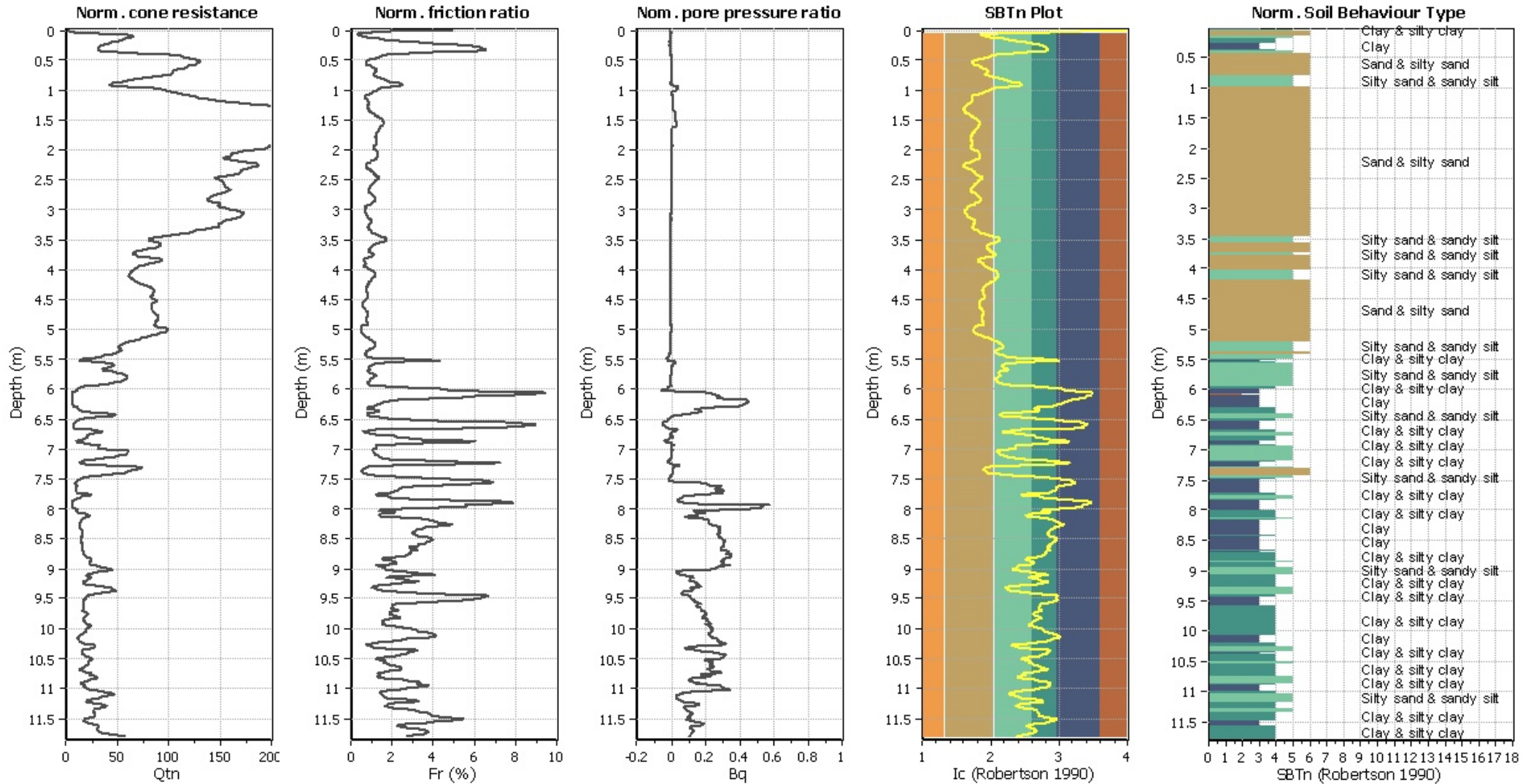
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz)



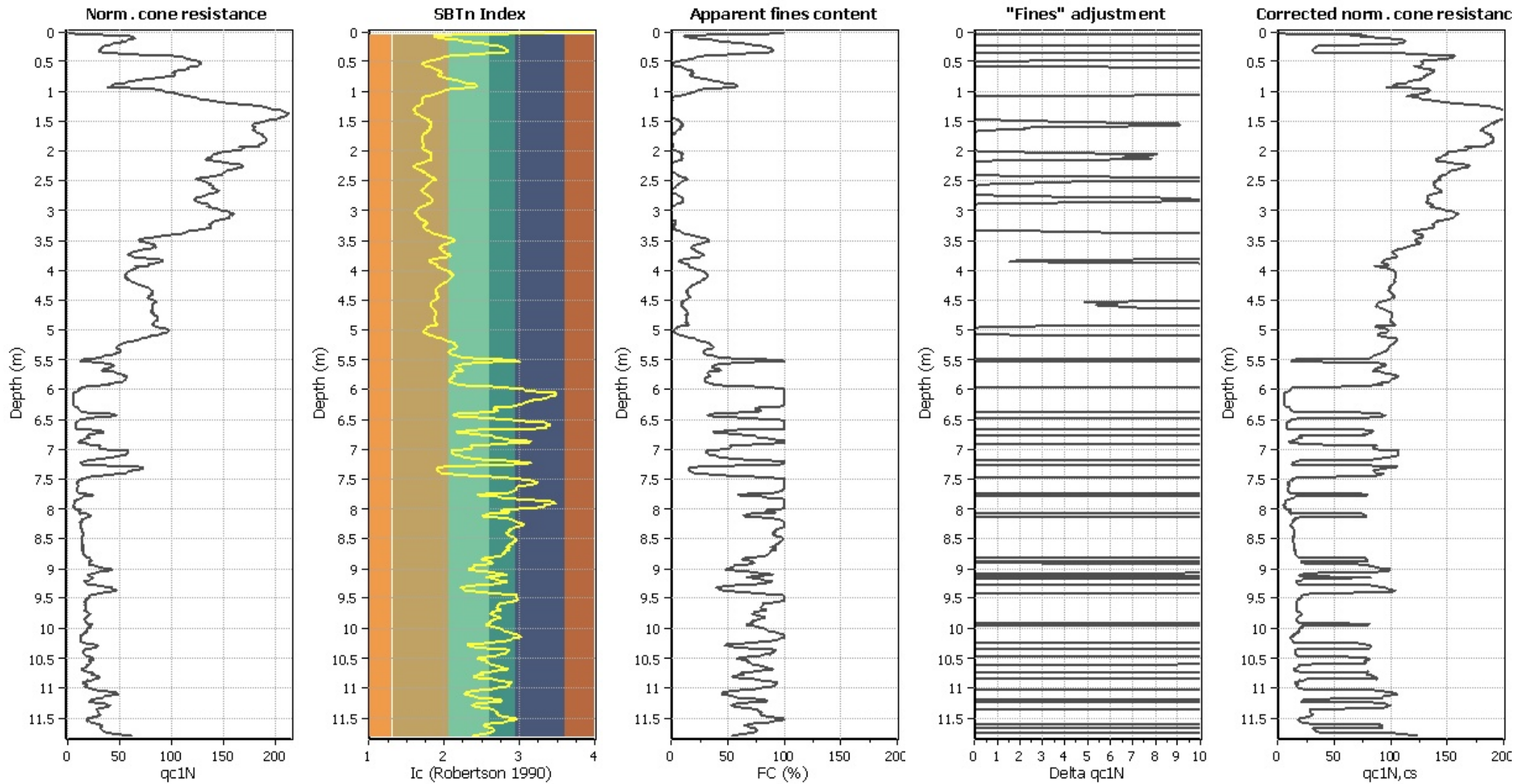
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

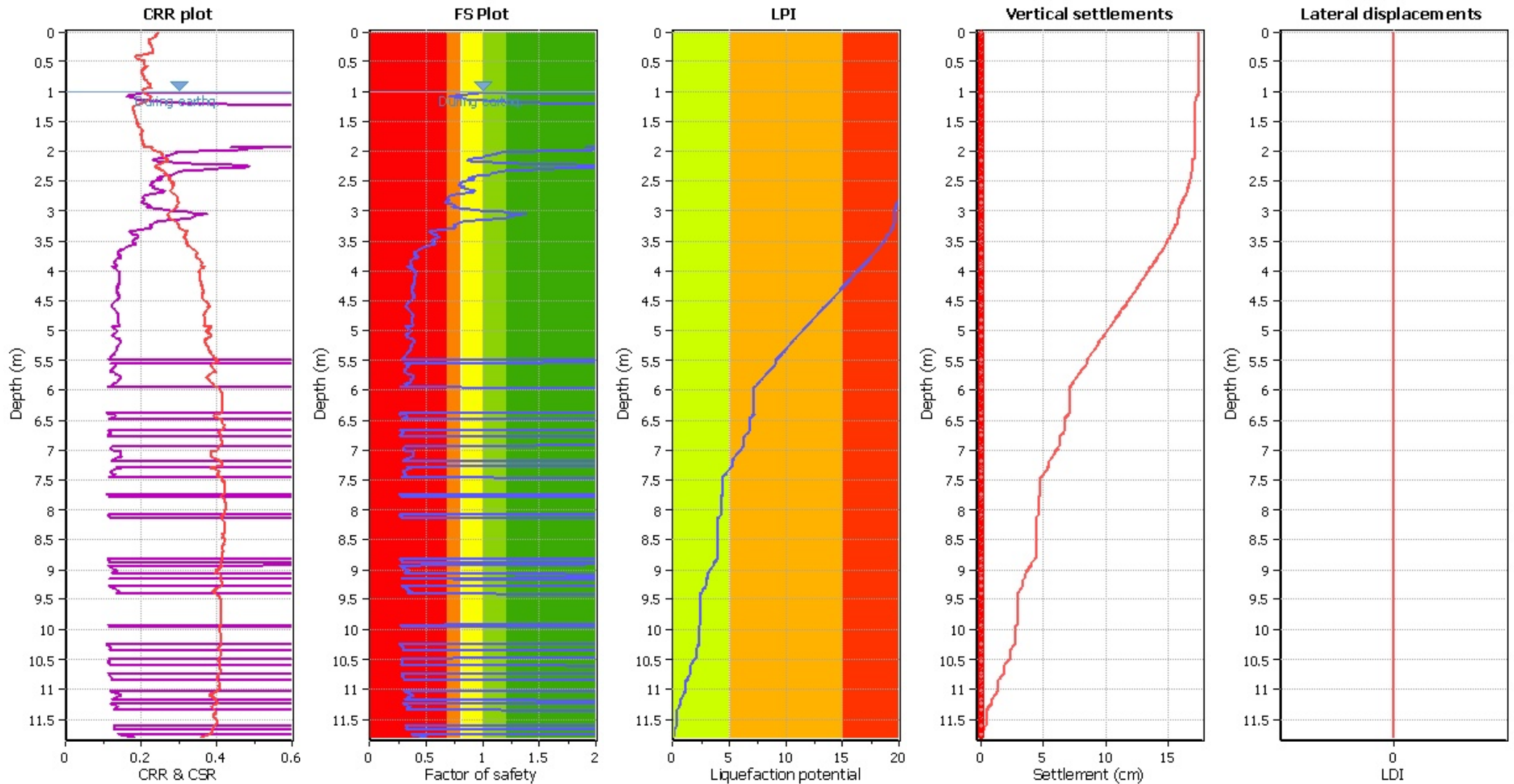
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

**F.S. color scheme**

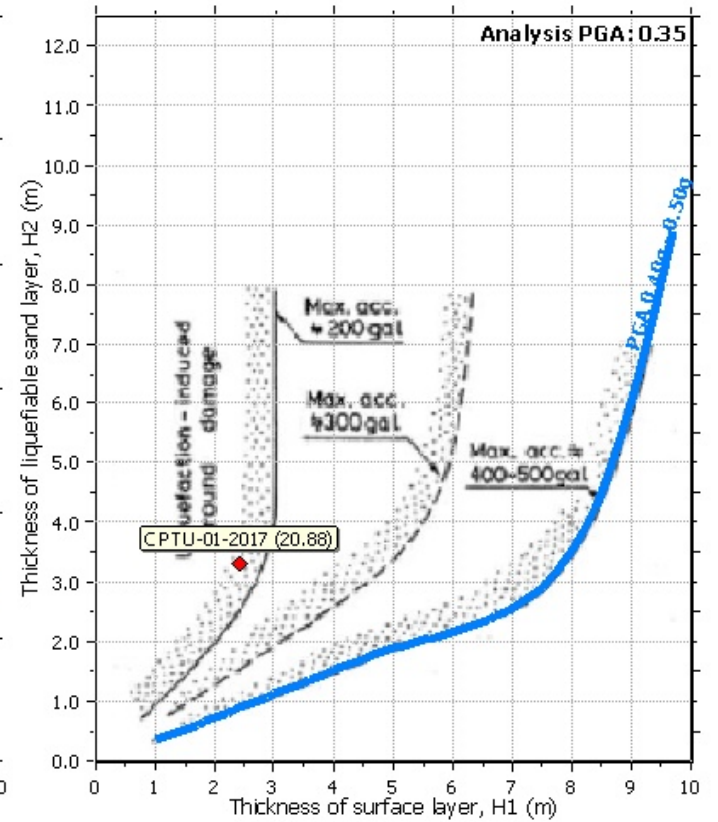
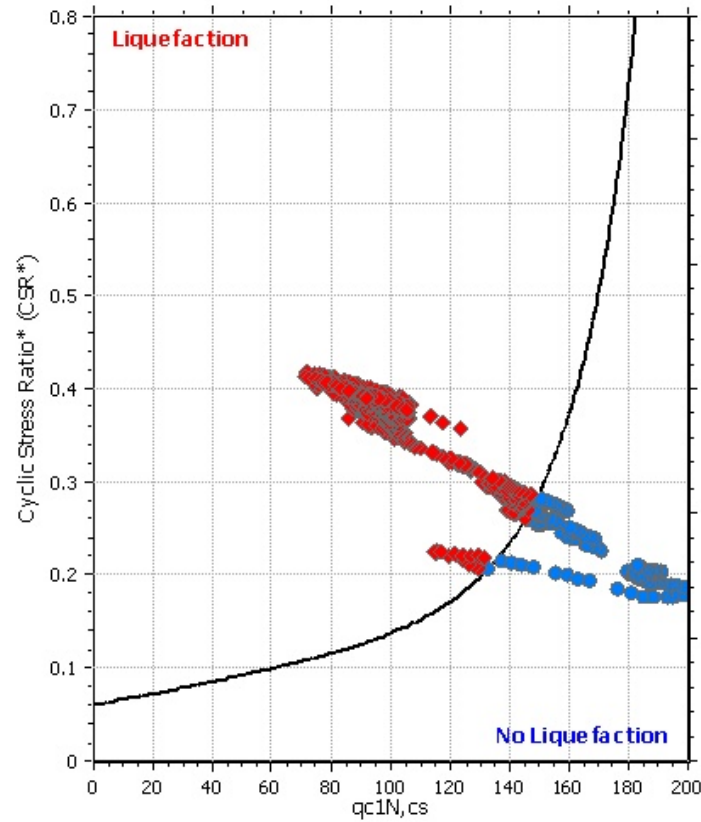
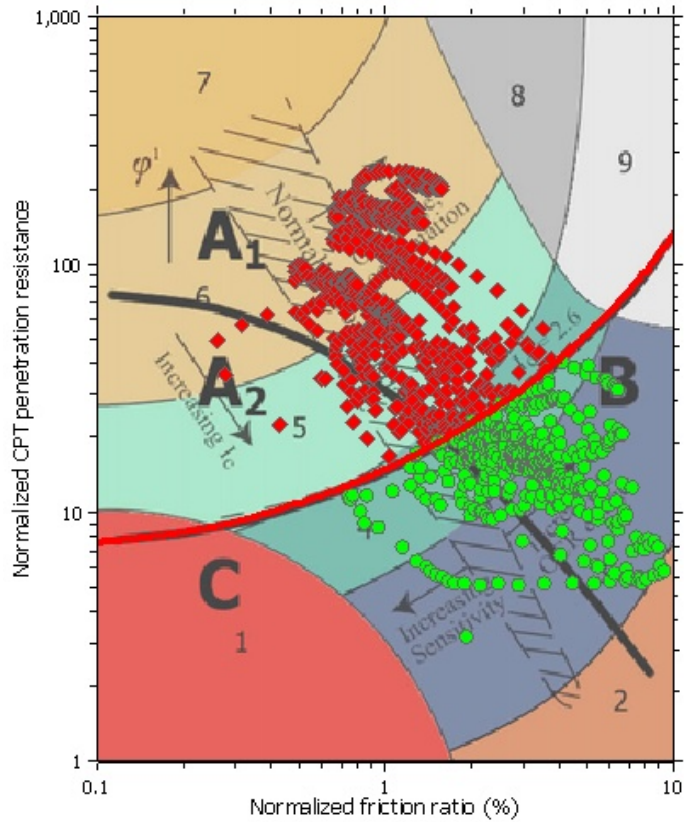
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

**LPI color scheme**

- Very high risk
- High risk
- Low risk



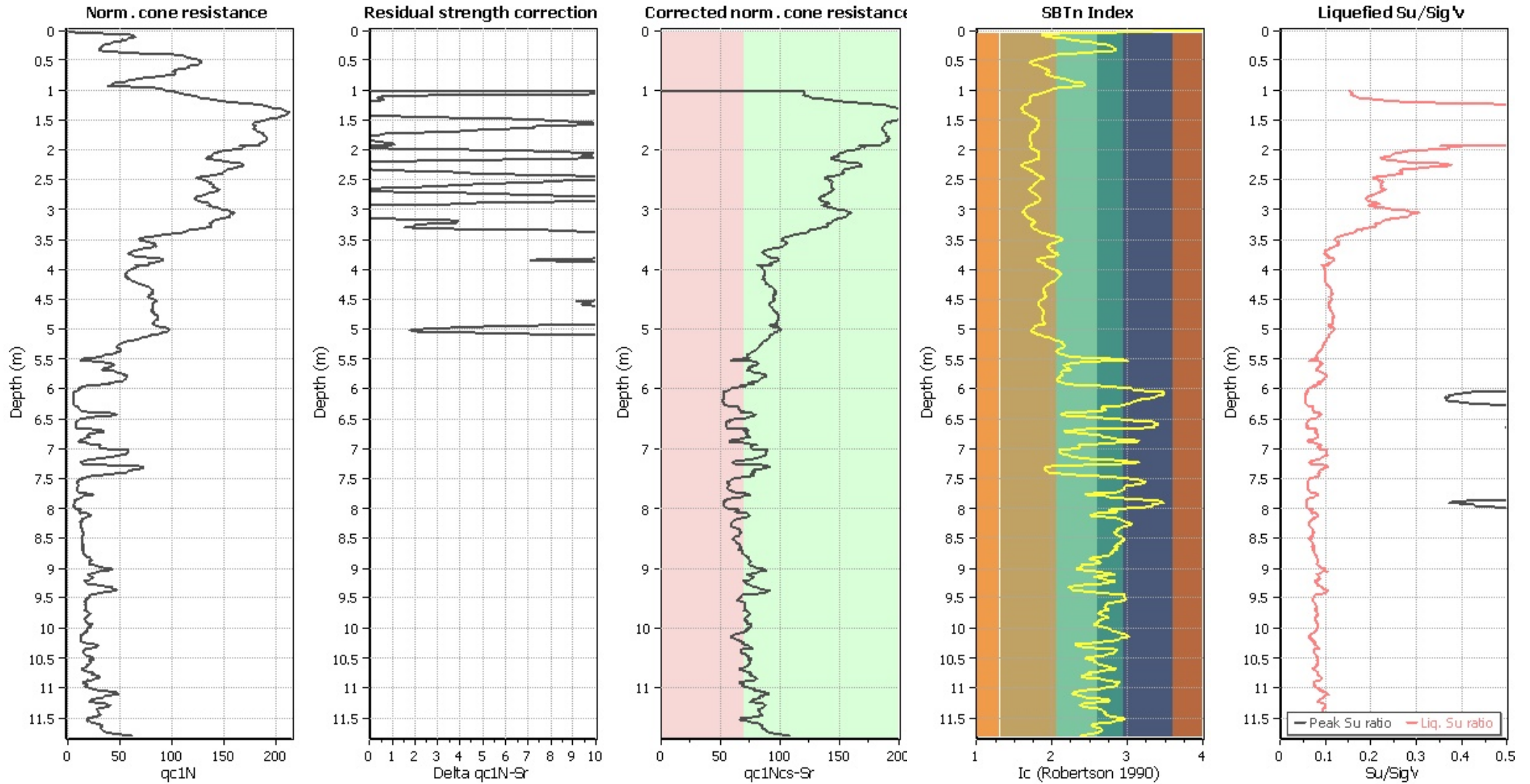
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	1.02	0.00	9.49	0.01	0.00	1.02	0.94	0.06	9.49	0.01	0.01
1.03	0.92	0.08	9.49	0.01	0.01	1.04	0.88	0.12	9.48	0.01	0.01
1.05	0.84	0.16	9.48	0.01	0.01	1.06	0.78	0.22	9.47	0.01	0.02
1.07	0.72	0.28	9.47	0.01	0.03	1.08	0.71	0.29	9.46	0.01	0.03
1.09	0.73	0.27	9.46	0.01	0.03	1.10	0.79	0.21	9.45	0.01	0.02
1.11	0.82	0.18	9.45	0.01	0.02	1.12	0.86	0.14	9.44	0.01	0.01
1.13	0.89	0.11	9.44	0.01	0.01	1.14	0.93	0.07	9.43	0.01	0.01
1.15	1.05	0.00	9.43	0.01	0.00	1.16	1.12	0.00	9.42	0.01	0.00
1.17	1.23	0.00	9.41	0.01	0.00	1.18	1.34	0.00	9.41	0.01	0.00
1.19	1.65	0.00	9.41	0.01	0.00	1.20	1.85	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.91	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	1.95	0.00	9.02	0.01	0.00	1.98	1.66	0.00	9.01	0.01	0.00
1.99	1.54	0.00	9.01	0.01	0.00	2.00	1.43	0.00	9.00	0.01	0.00
2.01	1.17	0.00	8.99	0.01	0.00	2.02	1.16	0.00	8.99	0.01	0.00
2.03	1.13	0.00	8.99	0.01	0.00	2.04	1.12	0.00	8.98	0.01	0.00
2.05	1.08	0.00	8.98	0.01	0.00	2.06	1.08	0.00	8.97	0.01	0.00
2.07	1.05	0.00	8.97	0.01	0.00	2.08	1.03	0.00	8.96	0.01	0.00
2.09	1.00	0.00	8.96	0.01	0.00	2.10	0.99	0.01	8.95	0.01	0.00
2.11	0.93	0.07	8.95	0.01	0.01	2.12	0.92	0.08	8.94	0.01	0.01
2.13	0.88	0.12	8.94	0.01	0.01	2.14	0.87	0.13	8.93	0.01	0.01
2.15	0.86	0.14	8.93	0.01	0.01	2.16	0.87	0.13	8.92	0.01	0.01
2.17	0.90	0.10	8.91	0.01	0.01	2.18	1.05	0.00	8.91	0.01	0.00
2.19	1.14	0.00	8.91	0.01	0.00	2.20	1.25	0.00	8.90	0.01	0.00
2.21	1.53	0.00	8.90	0.01	0.00	2.22	1.68	0.00	8.89	0.01	0.00
2.23	1.82	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	1.98	0.00	8.87	0.01	0.00
2.27	1.79	0.00	8.87	0.01	0.00	2.28	1.69	0.00	8.86	0.01	0.00
2.29	1.60	0.00	8.86	0.01	0.00	2.30	1.52	0.00	8.85	0.01	0.00
2.31	1.36	0.00	8.85	0.01	0.00	2.32	1.29	0.00	8.84	0.01	0.00
2.33	1.22	0.00	8.84	0.01	0.00	2.34	1.15	0.00	8.83	0.01	0.00
2.35	1.13	0.00	8.82	0.01	0.00	2.36	1.12	0.00	8.82	0.01	0.00
2.37	1.11	0.00	8.82	0.01	0.00	2.38	1.08	0.00	8.81	0.01	0.00
2.39	1.06	0.00	8.81	0.01	0.00	2.40	0.98	0.02	8.80	0.01	0.00
2.41	0.94	0.06	8.80	0.01	0.01	2.42	0.93	0.07	8.79	0.01	0.01
2.43	0.88	0.12	8.79	0.01	0.01	2.44	0.91	0.09	8.78	0.01	0.01
2.45	0.93	0.07	8.78	0.01	0.01	2.46	0.91	0.09	8.77	0.01	0.01
2.47	0.92	0.08	8.77	0.01	0.01	2.48	0.91	0.09	8.76	0.01	0.01
2.49	0.87	0.13	8.76	0.01	0.01	2.50	0.86	0.14	8.75	0.01	0.01
2.51	0.83	0.17	8.74	0.01	0.02	2.52	0.80	0.20	8.74	0.01	0.02
2.53	0.81	0.19	8.74	0.01	0.02	2.54	0.80	0.20	8.73	0.01	0.02
2.55	0.80	0.20	8.73	0.01	0.02	2.56	0.78	0.22	8.72	0.01	0.02
2.57	0.79	0.21	8.72	0.01	0.02	2.58	0.81	0.19	8.71	0.01	0.02
2.59	0.83	0.17	8.71	0.01	0.01	2.60	0.81	0.19	8.70	0.01	0.02
2.61	0.81	0.19	8.70	0.01	0.02	2.62	0.83	0.17	8.69	0.01	0.01
2.63	0.85	0.15	8.69	0.01	0.01	2.64	0.87	0.13	8.68	0.01	0.01
2.65	0.94	0.06	8.68	0.01	0.01	2.66	0.94	0.06	8.67	0.01	0.01
2.67	0.93	0.07	8.66	0.01	0.01	2.68	0.92	0.08	8.66	0.01	0.01
2.69	0.86	0.14	8.66	0.01	0.01	2.70	0.84	0.16	8.65	0.01	0.01
2.71	0.81	0.19	8.65	0.01	0.02	2.72	0.77	0.23	8.64	0.01	0.02
2.73	0.74	0.26	8.64	0.01	0.02	2.74	0.73	0.27	8.63	0.01	0.02
2.75	0.69	0.31	8.63	0.01	0.03	2.76	0.69	0.31	8.62	0.01	0.03
2.77	0.69	0.31	8.62	0.01	0.03	2.78	0.70	0.30	8.61	0.01	0.03
2.79	0.69	0.31	8.61	0.01	0.03	2.80	0.70	0.30	8.60	0.01	0.03
2.81	0.70	0.30	8.60	0.01	0.03	2.82	0.70	0.30	8.59	0.01	0.03
2.83	0.69	0.31	8.59	0.01	0.03	2.84	0.69	0.31	8.58	0.01	0.03
2.85	0.69	0.31	8.57	0.01	0.03	2.86	0.67	0.33	8.57	0.01	0.03
2.87	0.69	0.31	8.57	0.01	0.03	2.88	0.70	0.30	8.56	0.01	0.03

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.73	0.27	8.56	0.01	0.02	2.90	0.76	0.24	8.55	0.01	0.02
2.91	0.75	0.25	8.55	0.01	0.02	2.92	0.75	0.25	8.54	0.01	0.02
2.93	0.73	0.27	8.54	0.01	0.02	2.94	0.79	0.21	8.53	0.01	0.02
2.95	0.83	0.17	8.53	0.01	0.01	2.96	0.87	0.13	8.52	0.01	0.01
2.97	0.90	0.10	8.52	0.01	0.01	2.98	0.92	0.08	8.51	0.01	0.01
2.99	1.01	0.00	8.51	0.01	0.00	3.00	1.07	0.00	8.50	0.01	0.00
3.01	1.14	0.00	8.49	0.01	0.00	3.02	1.23	0.00	8.49	0.01	0.00
3.03	1.22	0.00	8.49	0.01	0.00	3.04	1.27	0.00	8.48	0.01	0.00
3.05	1.39	0.00	8.48	0.01	0.00	3.06	1.34	0.00	8.47	0.01	0.00
3.07	1.33	0.00	8.47	0.01	0.00	3.08	1.28	0.00	8.46	0.01	0.00
3.09	1.24	0.00	8.46	0.01	0.00	3.10	1.22	0.00	8.45	0.01	0.00
3.11	1.20	0.00	8.45	0.01	0.00	3.12	1.17	0.00	8.44	0.01	0.00
3.13	1.12	0.00	8.44	0.01	0.00	3.14	1.06	0.00	8.43	0.01	0.00
3.15	0.95	0.05	8.43	0.01	0.00	3.16	0.89	0.11	8.42	0.01	0.01
3.17	0.86	0.14	8.41	0.01	0.01	3.18	0.82	0.18	8.41	0.01	0.02
3.19	0.80	0.20	8.41	0.01	0.02	3.20	0.79	0.21	8.40	0.01	0.02
3.21	0.77	0.23	8.40	0.01	0.02	3.22	0.74	0.26	8.39	0.01	0.02
3.23	0.74	0.26	8.39	0.01	0.02	3.24	0.74	0.26	8.38	0.01	0.02
3.25	0.74	0.26	8.38	0.01	0.02	3.26	0.75	0.25	8.37	0.01	0.02
3.27	0.75	0.25	8.37	0.01	0.02	3.28	0.74	0.26	8.36	0.01	0.02
3.29	0.72	0.28	8.36	0.01	0.02	3.30	0.69	0.31	8.35	0.01	0.03
3.31	0.64	0.36	8.35	0.01	0.03	3.32	0.60	0.40	8.34	0.01	0.03
3.33	0.58	0.42	8.34	0.01	0.04	3.34	0.56	0.44	8.33	0.01	0.04
3.35	0.53	0.47	8.32	0.01	0.04	3.36	0.54	0.46	8.32	0.01	0.04
3.37	0.54	0.46	8.32	0.01	0.04	3.38	0.56	0.44	8.31	0.01	0.04
3.39	0.56	0.44	8.31	0.01	0.04	3.40	0.59	0.41	8.30	0.01	0.03
3.41	0.60	0.40	8.30	0.01	0.03	3.42	0.61	0.39	8.29	0.01	0.03
3.43	0.61	0.39	8.29	0.01	0.03	3.44	0.62	0.38	8.28	0.01	0.03
3.45	0.59	0.41	8.28	0.01	0.03	3.46	0.59	0.41	8.27	0.01	0.03
3.47	0.57	0.43	8.27	0.01	0.04	3.48	0.56	0.44	8.26	0.01	0.04
3.49	0.55	0.45	8.26	0.01	0.04	3.50	0.55	0.45	8.25	0.01	0.04
3.51	0.55	0.45	8.24	0.01	0.04	3.52	0.56	0.44	8.24	0.01	0.04
3.53	0.58	0.42	8.24	0.01	0.03	3.54	0.58	0.42	8.23	0.01	0.03
3.55	0.58	0.42	8.23	0.01	0.03	3.56	0.57	0.43	8.22	0.01	0.04
3.57	0.55	0.45	8.22	0.01	0.04	3.58	0.53	0.47	8.21	0.01	0.04
3.59	0.51	0.49	8.21	0.01	0.04	3.60	0.49	0.51	8.20	0.01	0.04
3.61	0.48	0.52	8.20	0.01	0.04	3.62	0.45	0.55	8.19	0.01	0.04
3.63	0.44	0.56	8.19	0.01	0.05	3.64	0.43	0.57	8.18	0.01	0.05
3.65	0.43	0.57	8.18	0.01	0.05	3.66	0.42	0.58	8.17	0.01	0.05
3.67	0.41	0.59	8.16	0.01	0.05	3.68	0.40	0.60	8.16	0.01	0.05
3.69	0.40	0.60	8.16	0.01	0.05	3.70	0.40	0.60	8.15	0.01	0.05
3.71	0.40	0.60	8.15	0.01	0.05	3.72	0.40	0.60	8.14	0.01	0.05
3.73	0.41	0.59	8.14	0.01	0.05	3.74	0.41	0.59	8.13	0.01	0.05
3.75	0.42	0.58	8.13	0.01	0.05	3.76	0.42	0.58	8.12	0.01	0.05
3.77	0.42	0.58	8.12	0.01	0.05	3.78	0.42	0.58	8.11	0.01	0.05
3.79	0.41	0.59	8.11	0.01	0.05	3.80	0.39	0.61	8.10	0.01	0.05
3.81	0.38	0.62	8.10	0.01	0.05	3.82	0.36	0.64	8.09	0.01	0.05
3.83	0.36	0.64	8.09	0.01	0.05	3.84	0.36	0.64	8.08	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.36	0.64	8.07	0.01	0.05	3.86	0.35	0.65	8.07	0.01	0.05
3.87	0.35	0.65	8.07	0.01	0.05	3.88	0.36	0.64	8.06	0.01	0.05
3.89	0.36	0.64	8.06	0.01	0.05	3.90	0.37	0.63	8.05	0.01	0.05
3.91	0.38	0.62	8.05	0.01	0.05	3.92	0.38	0.62	8.04	0.01	0.05
3.93	0.33	0.67	8.04	0.01	0.05	3.94	0.35	0.65	8.03	0.01	0.05
3.95	0.36	0.64	8.03	0.01	0.05	3.96	0.37	0.63	8.02	0.01	0.05
3.97	0.37	0.63	8.02	0.01	0.05	3.98	0.38	0.62	8.01	0.01	0.05
3.99	0.39	0.61	8.01	0.01	0.05	4.00	0.40	0.60	8.00	0.01	0.05
4.01	0.40	0.60	8.00	0.01	0.05	4.02	0.41	0.59	7.99	0.01	0.05
4.03	0.41	0.59	7.99	0.01	0.05	4.04	0.41	0.59	7.98	0.01	0.05
4.05	0.41	0.59	7.98	0.01	0.05	4.06	0.41	0.59	7.97	0.01	0.05
4.07	0.41	0.59	7.97	0.01	0.05	4.08	0.41	0.59	7.96	0.01	0.05
4.09	0.40	0.60	7.96	0.01	0.05	4.10	0.40	0.60	7.95	0.01	0.05
4.11	0.40	0.60	7.95	0.01	0.05	4.12	0.40	0.60	7.94	0.01	0.05
4.13	0.40	0.60	7.94	0.01	0.05	4.14	0.40	0.60	7.93	0.01	0.05
4.15	0.40	0.60	7.93	0.01	0.05	4.16	0.40	0.60	7.92	0.01	0.05
4.17	0.40	0.60	7.92	0.01	0.05	4.18	0.40	0.60	7.91	0.01	0.05
4.19	0.40	0.60	7.91	0.01	0.05	4.20	0.39	0.61	7.90	0.01	0.05
4.21	0.39	0.61	7.90	0.01	0.05	4.22	0.39	0.61	7.89	0.01	0.05
4.23	0.39	0.61	7.89	0.01	0.05	4.24	0.39	0.61	7.88	0.01	0.05
4.25	0.38	0.62	7.88	0.01	0.05	4.26	0.38	0.62	7.87	0.01	0.05
4.27	0.38	0.62	7.87	0.01	0.05	4.28	0.38	0.62	7.86	0.01	0.05
4.29	0.37	0.63	7.86	0.01	0.05	4.30	0.37	0.63	7.85	0.01	0.05
4.31	0.37	0.63	7.85	0.01	0.05	4.32	0.37	0.63	7.84	0.01	0.05
4.33	0.37	0.63	7.84	0.01	0.05	4.34	0.37	0.63	7.83	0.01	0.05
4.35	0.37	0.63	7.83	0.01	0.05	4.36	0.37	0.63	7.82	0.01	0.05
4.37	0.38	0.62	7.82	0.01	0.05	4.38	0.38	0.62	7.81	0.01	0.05
4.39	0.38	0.62	7.81	0.01	0.05	4.40	0.39	0.61	7.80	0.01	0.05
4.41	0.39	0.61	7.80	0.01	0.05	4.42	0.39	0.61	7.79	0.01	0.05
4.43	0.39	0.61	7.79	0.01	0.05	4.44	0.39	0.61	7.78	0.01	0.05
4.45	0.39	0.61	7.78	0.01	0.05	4.46	0.39	0.61	7.77	0.01	0.05
4.47	0.38	0.62	7.77	0.01	0.05	4.48	0.38	0.62	7.76	0.01	0.05
4.49	0.37	0.63	7.76	0.01	0.05	4.50	0.36	0.64	7.75	0.01	0.05
4.51	0.35	0.65	7.75	0.01	0.05	4.52	0.34	0.66	7.74	0.01	0.05
4.53	0.34	0.66	7.74	0.01	0.05	4.54	0.33	0.67	7.73	0.01	0.05
4.55	0.33	0.67	7.73	0.01	0.05	4.56	0.33	0.67	7.72	0.01	0.05
4.57	0.33	0.67	7.72	0.01	0.05	4.58	0.32	0.68	7.71	0.01	0.05
4.59	0.32	0.68	7.71	0.01	0.05	4.60	0.33	0.67	7.70	0.01	0.05
4.61	0.33	0.67	7.70	0.01	0.05	4.62	0.33	0.67	7.69	0.01	0.05
4.63	0.34	0.66	7.69	0.01	0.05	4.64	0.34	0.66	7.68	0.01	0.05
4.65	0.35	0.65	7.68	0.01	0.05	4.66	0.35	0.65	7.67	0.01	0.05
4.67	0.36	0.64	7.67	0.01	0.05	4.68	0.36	0.64	7.66	0.01	0.05
4.69	0.37	0.63	7.66	0.01	0.05	4.70	0.37	0.63	7.65	0.01	0.05
4.71	0.37	0.63	7.65	0.01	0.05	4.72	0.38	0.62	7.64	0.01	0.05
4.73	0.38	0.62	7.64	0.01	0.05	4.74	0.38	0.62	7.63	0.01	0.05
4.75	0.38	0.62	7.63	0.01	0.05	4.76	0.38	0.62	7.62	0.01	0.05
4.77	0.38	0.62	7.62	0.01	0.05	4.78	0.38	0.62	7.61	0.01	0.05
4.79	0.37	0.63	7.61	0.01	0.05	4.80	0.37	0.63	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.37	0.63	7.60	0.01	0.05	4.82	0.37	0.63	7.59	0.01	0.05
4.83	0.37	0.63	7.59	0.01	0.05	4.84	0.37	0.63	7.58	0.01	0.05
4.85	0.37	0.63	7.58	0.01	0.05	4.86	0.37	0.63	7.57	0.01	0.05
4.87	0.38	0.62	7.57	0.01	0.05	4.88	0.38	0.62	7.56	0.01	0.05
4.89	0.38	0.62	7.56	0.01	0.05	4.90	0.38	0.62	7.55	0.01	0.05
4.91	0.39	0.61	7.55	0.01	0.05	4.92	0.36	0.64	7.54	0.01	0.05
4.93	0.32	0.68	7.54	0.01	0.05	4.94	0.32	0.68	7.53	0.01	0.05
4.95	0.32	0.68	7.53	0.01	0.05	4.96	0.33	0.67	7.52	0.01	0.05
4.97	0.34	0.66	7.52	0.01	0.05	4.98	0.35	0.65	7.51	0.01	0.05
4.99	0.35	0.65	7.51	0.01	0.05	5.00	0.36	0.64	7.50	0.01	0.05
5.01	0.36	0.64	7.50	0.01	0.05	5.02	0.36	0.64	7.49	0.01	0.05
5.03	0.35	0.65	7.49	0.01	0.05	5.04	0.34	0.66	7.48	0.01	0.05
5.05	0.33	0.67	7.48	0.01	0.05	5.06	0.33	0.67	7.47	0.01	0.05
5.07	0.32	0.68	7.47	0.01	0.05	5.08	0.32	0.68	7.46	0.01	0.05
5.09	0.33	0.67	7.46	0.01	0.05	5.10	0.33	0.67	7.45	0.01	0.05
5.11	0.34	0.66	7.45	0.01	0.05	5.12	0.35	0.65	7.44	0.01	0.05
5.13	0.36	0.64	7.44	0.01	0.05	5.14	0.38	0.62	7.43	0.01	0.05
5.15	0.39	0.61	7.43	0.01	0.05	5.16	0.39	0.61	7.42	0.01	0.05
5.17	0.40	0.60	7.42	0.01	0.04	5.18	0.40	0.60	7.41	0.01	0.04
5.19	0.39	0.61	7.41	0.01	0.04	5.20	0.39	0.61	7.40	0.01	0.04
5.21	0.38	0.62	7.40	0.01	0.05	5.22	0.38	0.62	7.39	0.01	0.05
5.23	0.38	0.62	7.39	0.01	0.05	5.24	0.37	0.63	7.38	0.01	0.05
5.25	0.37	0.63	7.38	0.01	0.05	5.26	0.37	0.63	7.37	0.01	0.05
5.27	0.36	0.64	7.37	0.01	0.05	5.28	0.36	0.64	7.36	0.01	0.05
5.29	0.36	0.64	7.36	0.01	0.05	5.30	0.35	0.65	7.35	0.01	0.05
5.31	0.36	0.64	7.35	0.01	0.05	5.32	0.36	0.64	7.34	0.01	0.05
5.33	0.35	0.65	7.34	0.01	0.05	5.34	0.35	0.65	7.33	0.01	0.05
5.35	0.35	0.65	7.33	0.01	0.05	5.36	0.34	0.66	7.32	0.01	0.05
5.37	0.34	0.66	7.32	0.01	0.05	5.38	0.33	0.67	7.31	0.01	0.05
5.39	0.33	0.67	7.31	0.01	0.05	5.40	0.32	0.68	7.30	0.01	0.05
5.41	0.32	0.68	7.30	0.01	0.05	5.42	0.31	0.69	7.29	0.01	0.05
5.43	0.31	0.69	7.29	0.01	0.05	5.44	0.31	0.69	7.28	0.01	0.05
5.45	0.30	0.70	7.28	0.01	0.05	5.46	0.30	0.70	7.27	0.01	0.05
5.47	0.29	0.71	7.27	0.01	0.05	5.48	0.28	0.72	7.26	0.01	0.05
5.49	2.00	0.00	7.26	0.01	0.00	5.50	2.00	0.00	7.25	0.01	0.00
5.51	2.00	0.00	7.25	0.01	0.00	5.52	2.00	0.00	7.24	0.01	0.00
5.53	2.00	0.00	7.24	0.01	0.00	5.54	2.00	0.00	7.23	0.01	0.00
5.55	0.31	0.69	7.23	0.01	0.05	5.56	0.32	0.68	7.22	0.01	0.05
5.57	0.34	0.66	7.22	0.01	0.05	5.58	0.34	0.66	7.21	0.01	0.05
5.59	0.34	0.66	7.21	0.01	0.05	5.60	0.34	0.66	7.20	0.01	0.05
5.61	0.33	0.67	7.20	0.01	0.05	5.62	0.33	0.67	7.19	0.01	0.05
5.63	0.32	0.68	7.19	0.01	0.05	5.64	0.32	0.68	7.18	0.01	0.05
5.65	0.31	0.69	7.18	0.01	0.05	5.66	0.31	0.69	7.17	0.01	0.05
5.67	0.31	0.69	7.17	0.01	0.05	5.68	0.31	0.69	7.16	0.01	0.05
5.69	0.31	0.69	7.16	0.01	0.05	5.70	0.32	0.68	7.15	0.01	0.05
5.71	0.33	0.67	7.15	0.01	0.05	5.72	0.34	0.66	7.14	0.01	0.05
5.73	0.35	0.65	7.14	0.01	0.05	5.74	0.37	0.63	7.13	0.01	0.05
5.75	0.38	0.62	7.13	0.01	0.04	5.76	0.39	0.61	7.12	0.01	0.04



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.39	0.61	7.12	0.01	0.04	5.78	0.39	0.61	7.11	0.01	0.04
5.79	0.39	0.61	7.11	0.01	0.04	5.80	0.38	0.62	7.10	0.01	0.04
5.81	0.37	0.63	7.10	0.01	0.04	5.82	0.37	0.63	7.09	0.01	0.04
5.83	0.36	0.64	7.09	0.01	0.05	5.84	0.36	0.64	7.08	0.01	0.05
5.85	0.36	0.64	7.08	0.01	0.05	5.86	0.35	0.65	7.07	0.01	0.05
5.87	0.34	0.66	7.07	0.01	0.05	5.88	0.33	0.67	7.06	0.01	0.05
5.89	0.32	0.68	7.06	0.01	0.05	5.90	0.31	0.69	7.05	0.01	0.05
5.91	0.32	0.68	7.05	0.01	0.05	5.92	0.33	0.67	7.04	0.01	0.05
5.93	0.28	0.72	7.04	0.01	0.05	5.94	0.28	0.72	7.03	0.01	0.05
5.95	0.27	0.73	7.03	0.01	0.05	5.96	2.00	0.00	7.02	0.01	0.00
5.97	2.00	0.00	7.02	0.01	0.00	5.98	2.00	0.00	7.01	0.01	0.00
5.99	2.00	0.00	7.01	0.01	0.00	6.00	2.00	0.00	7.00	0.01	0.00
6.01	2.00	0.00	7.00	0.01	0.00	6.02	2.00	0.00	6.99	0.01	0.00
6.03	2.00	0.00	6.99	0.01	0.00	6.04	2.00	0.00	6.98	0.01	0.00
6.05	2.00	0.00	6.98	0.01	0.00	6.06	2.00	0.00	6.97	0.01	0.00
6.07	2.00	0.00	6.97	0.01	0.00	6.08	2.00	0.00	6.96	0.01	0.00
6.09	2.00	0.00	6.96	0.01	0.00	6.10	2.00	0.00	6.95	0.01	0.00
6.11	2.00	0.00	6.95	0.01	0.00	6.12	2.00	0.00	6.94	0.01	0.00
6.13	2.00	0.00	6.94	0.01	0.00	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	2.00	0.00	6.87	0.01	0.00	6.28	2.00	0.00	6.86	0.01	0.00
6.29	2.00	0.00	6.86	0.01	0.00	6.30	2.00	0.00	6.85	0.01	0.00
6.31	2.00	0.00	6.85	0.01	0.00	6.32	2.00	0.00	6.84	0.01	0.00
6.33	2.00	0.00	6.84	0.01	0.00	6.34	2.00	0.00	6.83	0.01	0.00
6.35	2.00	0.00	6.83	0.01	0.00	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	0.27	0.73	6.81	0.01	0.05	6.40	0.27	0.73	6.80	0.01	0.05
6.41	0.32	0.68	6.80	0.01	0.05	6.42	0.33	0.67	6.79	0.01	0.05
6.43	0.33	0.67	6.79	0.01	0.05	6.44	0.32	0.68	6.78	0.01	0.05
6.45	0.31	0.69	6.78	0.01	0.05	6.46	0.30	0.70	6.77	0.01	0.05
6.47	0.28	0.72	6.77	0.01	0.05	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	0.27	0.73	6.66	0.01	0.05
6.69	0.30	0.70	6.66	0.01	0.05	6.70	0.29	0.71	6.65	0.01	0.05
6.71	0.29	0.71	6.65	0.01	0.05	6.72	0.29	0.71	6.64	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.29	0.71	6.64	0.01	0.05	6.74	0.28	0.72	6.63	0.01	0.05
6.75	0.27	0.73	6.63	0.01	0.05	6.76	0.27	0.73	6.62	0.01	0.05
6.77	0.28	0.72	6.62	0.01	0.05	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	0.30	0.70	6.54	0.01	0.05	6.94	0.31	0.69	6.53	0.01	0.05
6.95	0.30	0.70	6.53	0.01	0.05	6.96	0.30	0.70	6.52	0.01	0.05
6.97	0.30	0.70	6.52	0.01	0.05	6.98	0.30	0.70	6.51	0.01	0.05
6.99	0.30	0.70	6.51	0.01	0.05	7.00	0.31	0.69	6.50	0.01	0.04
7.01	0.36	0.64	6.50	0.01	0.04	7.02	0.38	0.62	6.49	0.01	0.04
7.03	0.38	0.62	6.49	0.01	0.04	7.04	0.38	0.62	6.48	0.01	0.04
7.05	0.38	0.62	6.48	0.01	0.04	7.06	0.38	0.62	6.47	0.01	0.04
7.07	0.38	0.62	6.47	0.01	0.04	7.08	0.38	0.62	6.46	0.01	0.04
7.09	0.38	0.62	6.46	0.01	0.04	7.10	0.38	0.62	6.45	0.01	0.04
7.11	0.38	0.62	6.45	0.01	0.04	7.12	0.37	0.63	6.44	0.01	0.04
7.13	0.35	0.65	6.44	0.01	0.04	7.14	0.33	0.67	6.43	0.01	0.04
7.15	0.32	0.68	6.43	0.01	0.04	7.16	0.30	0.70	6.42	0.01	0.04
7.17	0.29	0.71	6.42	0.01	0.05	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	0.34	0.66	6.37	0.01	0.04	7.28	0.37	0.63	6.36	0.01	0.04
7.29	0.38	0.62	6.36	0.01	0.04	7.30	0.38	0.62	6.35	0.01	0.04
7.31	0.34	0.66	6.35	0.01	0.04	7.32	0.33	0.67	6.34	0.01	0.04
7.33	0.32	0.68	6.34	0.01	0.04	7.34	0.31	0.69	6.33	0.01	0.04
7.35	0.30	0.70	6.33	0.01	0.04	7.36	0.30	0.70	6.32	0.01	0.04
7.37	0.30	0.70	6.32	0.01	0.04	7.38	0.30	0.70	6.31	0.01	0.04
7.39	0.30	0.70	6.31	0.01	0.04	7.40	0.31	0.69	6.30	0.01	0.04
7.41	0.32	0.68	6.30	0.01	0.04	7.42	0.32	0.68	6.29	0.01	0.04
7.43	0.31	0.69	6.29	0.01	0.04	7.44	0.30	0.70	6.28	0.01	0.04
7.45	0.29	0.71	6.28	0.01	0.04	7.46	0.28	0.72	6.27	0.01	0.04
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	0.26	0.74	6.13	0.01	0.05	7.76	0.28	0.72	6.12	0.01	0.04
7.77	0.28	0.72	6.12	0.01	0.04	7.78	0.28	0.72	6.11	0.01	0.04
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	0.27	0.73	5.96	0.01	0.04	8.10	0.27	0.73	5.95	0.01	0.04
8.11	0.28	0.72	5.95	0.01	0.04	8.12	0.28	0.72	5.94	0.01	0.04
8.13	0.28	0.72	5.94	0.01	0.04	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	0.27	0.73	5.60	0.01	0.04	8.82	0.27	0.73	5.59	0.01	0.04
8.83	0.27	0.73	5.59	0.01	0.04	8.84	0.28	0.72	5.58	0.01	0.04
8.85	0.28	0.72	5.58	0.01	0.04	8.86	0.28	0.72	5.57	0.01	0.04
8.87	0.28	0.72	5.57	0.01	0.04	8.88	0.28	0.72	5.56	0.01	0.04
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	0.27	0.73	5.54	0.01	0.04
8.93	0.28	0.72	5.54	0.01	0.04	8.94	0.28	0.72	5.53	0.01	0.04
8.95	0.29	0.71	5.53	0.01	0.04	8.96	0.30	0.70	5.52	0.01	0.04
8.97	0.30	0.70	5.52	0.01	0.04	8.98	0.30	0.70	5.51	0.01	0.04
8.99	0.31	0.69	5.51	0.01	0.04	9.00	0.31	0.69	5.50	0.01	0.04
9.01	0.34	0.66	5.50	0.01	0.04	9.02	0.35	0.65	5.49	0.01	0.04
9.03	0.35	0.65	5.49	0.01	0.04	9.04	0.34	0.66	5.48	0.01	0.04
9.05	0.34	0.66	5.47	0.01	0.04	9.06	0.31	0.69	5.47	0.01	0.04
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	0.28	0.72	5.43	0.01	0.04
9.15	0.29	0.71	5.43	0.01	0.04	9.16	0.29	0.71	5.42	0.01	0.04
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	0.28	0.72	5.37	0.01	0.04	9.28	0.28	0.72	5.36	0.01	0.04
9.29	0.29	0.71	5.36	0.01	0.04	9.30	0.30	0.70	5.35	0.01	0.04
9.31	0.32	0.68	5.35	0.01	0.04	9.32	0.32	0.68	5.34	0.01	0.04
9.33	0.33	0.67	5.34	0.01	0.04	9.34	0.34	0.66	5.33	0.01	0.04
9.35	0.35	0.65	5.33	0.01	0.03	9.36	0.36	0.64	5.32	0.01	0.03
9.37	0.37	0.63	5.32	0.01	0.03	9.38	0.37	0.63	5.31	0.01	0.03
9.39	0.35	0.65	5.31	0.01	0.03	9.40	0.34	0.66	5.30	0.01	0.04
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	0.27	0.73	5.04	0.01	0.04
9.93	0.27	0.73	5.04	0.01	0.04	9.94	0.28	0.72	5.03	0.01	0.04
9.95	0.28	0.72	5.03	0.01	0.04	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	0.26	0.74	4.88	0.01	0.04	10.26	0.27	0.73	4.87	0.01	0.04
10.27	0.27	0.73	4.87	0.01	0.04	10.28	0.28	0.72	4.86	0.01	0.04
10.29	0.29	0.71	4.86	0.01	0.03	10.30	0.29	0.71	4.85	0.01	0.03
10.31	0.29	0.71	4.85	0.01	0.03	10.32	0.29	0.71	4.84	0.01	0.03
10.33	0.29	0.71	4.84	0.01	0.03	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	0.28	0.72	4.76	0.01	0.03
10.49	0.28	0.72	4.76	0.01	0.03	10.50	0.29	0.71	4.75	0.01	0.03
10.51	0.29	0.71	4.75	0.01	0.03	10.52	0.29	0.71	4.74	0.01	0.03
10.53	0.29	0.71	4.74	0.01	0.03	10.54	0.28	0.72	4.73	0.01	0.03
10.55	0.28	0.72	4.72	0.01	0.03	10.56	0.28	0.72	4.72	0.01	0.03

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	0.28	0.72	4.72	0.01	0.03	10.58	0.28	0.72	4.71	0.01	0.03
10.59	0.28	0.72	4.71	0.01	0.03	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	0.28	0.72	4.64	0.01	0.03	10.74	0.28	0.72	4.63	0.01	0.03
10.75	0.28	0.72	4.63	0.01	0.03	10.76	0.29	0.71	4.62	0.01	0.03
10.77	0.28	0.72	4.62	0.01	0.03	10.78	0.28	0.72	4.61	0.01	0.03
10.79	0.29	0.71	4.61	0.01	0.03	10.80	0.30	0.70	4.60	0.01	0.03
10.81	0.30	0.70	4.60	0.01	0.03	10.82	0.31	0.69	4.59	0.01	0.03
10.83	0.31	0.69	4.59	0.01	0.03	10.84	0.31	0.69	4.58	0.01	0.03
10.85	0.30	0.70	4.58	0.01	0.03	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	0.29	0.71	4.49	0.01	0.03
11.03	0.30	0.70	4.49	0.01	0.03	11.04	0.30	0.70	4.48	0.01	0.03
11.05	0.33	0.67	4.47	0.01	0.03	11.06	0.34	0.66	4.47	0.01	0.03
11.07	0.35	0.65	4.47	0.01	0.03	11.08	0.36	0.64	4.46	0.01	0.03
11.09	0.37	0.63	4.46	0.01	0.03	11.10	0.38	0.62	4.45	0.01	0.03
11.11	0.38	0.62	4.45	0.01	0.03	11.12	0.37	0.63	4.44	0.01	0.03
11.13	0.35	0.65	4.43	0.01	0.03	11.14	0.34	0.66	4.43	0.01	0.03
11.15	0.33	0.67	4.43	0.01	0.03	11.16	0.32	0.68	4.42	0.01	0.03
11.17	0.32	0.68	4.42	0.01	0.03	11.18	0.31	0.69	4.41	0.01	0.03
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	0.30	0.70	4.38	0.01	0.03	11.26	0.31	0.69	4.37	0.01	0.03
11.27	0.33	0.67	4.37	0.01	0.03	11.28	0.34	0.66	4.36	0.01	0.03
11.29	0.35	0.65	4.36	0.01	0.03	11.30	0.35	0.65	4.35	0.01	0.03
11.31	0.35	0.65	4.35	0.01	0.03	11.32	0.34	0.66	4.34	0.01	0.03
11.33	0.33	0.67	4.34	0.01	0.03	11.34	0.32	0.68	4.33	0.01	0.03
11.35	0.32	0.68	4.33	0.01	0.03	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	0.32	0.68	4.20	0.01	0.03	11.62	0.32	0.68	4.19	0.01	0.03
11.63	0.33	0.67	4.18	0.01	0.03	11.64	0.33	0.67	4.18	0.01	0.03
11.65	0.33	0.67	4.18	0.01	0.03	11.66	0.33	0.67	4.17	0.01	0.03
11.67	0.33	0.67	4.17	0.01	0.03	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	0.37	0.63	4.13	0.01	0.03	11.76	0.38	0.62	4.12	0.01	0.03
11.77	0.38	0.62	4.12	0.01	0.03	11.78	0.43	0.57	4.11	0.01	0.02
11.79	0.46	0.54	4.11	0.01	0.02	11.80	0.50	0.50	4.10	0.01	0.02

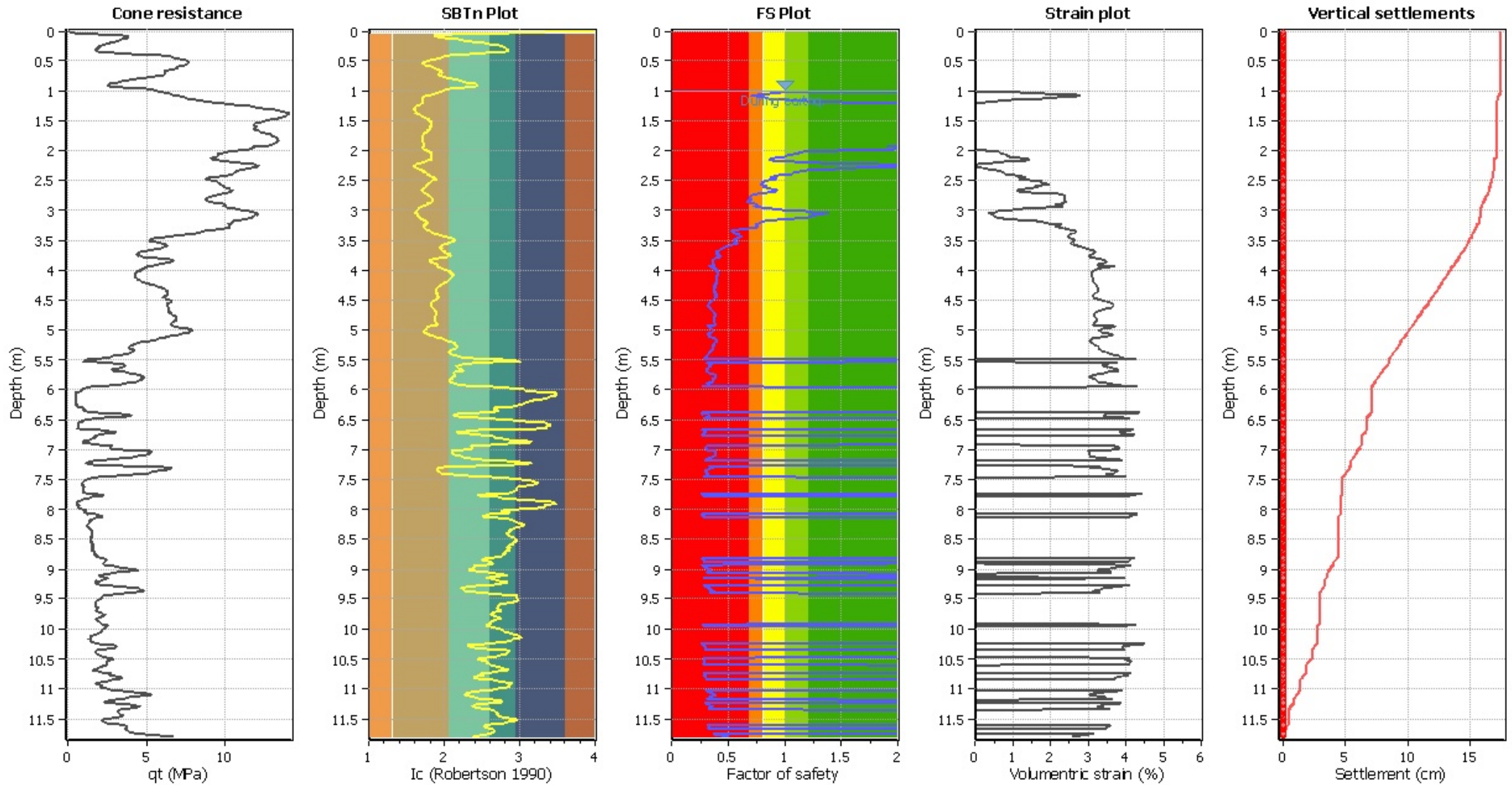
**Overall liquefaction potential: 20.88**

LPI = 0.00 - Liquefaction risk very low  
 LPI between 0.00 and 5.00 - Liquefaction risk low  
 LPI between 5.00 and 15.00 - Liquefaction risk high  
 LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point  
 F<sub>L</sub>: 1 - FS  
 w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
 d<sub>z</sub>: Layer thickness (m)  
 LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	131.38	2.00	0.00	1.00	0.00	1.01	133.08	1.02	0.99	1.00	0.01
1.02	129.54	0.94	1.28	1.00	0.01	1.03	128.31	0.92	1.41	1.00	0.01
1.04	126.28	0.88	1.67	1.00	0.02	1.05	124.26	0.84	2.00	1.00	0.02
1.06	119.59	0.78	2.66	1.00	0.03	1.07	115.51	0.72	2.77	1.00	0.03
1.08	114.45	0.71	2.79	1.00	0.03	1.09	116.61	0.73	2.74	1.00	0.03
1.10	121.81	0.79	2.61	1.00	0.03	1.11	124.32	0.82	2.21	1.00	0.02
1.12	127.01	0.86	1.79	1.00	0.02	1.13	129.36	0.89	1.51	1.00	0.02
1.14	131.87	0.93	1.28	1.00	0.01	1.15	137.58	1.05	0.88	1.00	0.01
1.16	140.76	1.12	0.72	1.00	0.01	1.17	144.62	1.23	0.55	1.00	0.01
1.18	148.15	1.34	0.42	1.00	0.00	1.19	155.70	1.65	0.17	1.00	0.00
1.20	159.56	1.85	0.06	1.00	0.00	1.21	163.25	2.00	0.00	1.00	0.00
1.22	167.27	2.00	0.00	1.00	0.00	1.23	176.33	2.00	0.00	1.00	0.00
1.24	181.53	2.00	0.00	1.00	0.00	1.25	185.31	2.00	0.00	1.00	0.00
1.26	188.65	2.00	0.00	1.00	0.00	1.27	193.03	2.00	0.00	1.00	0.00
1.28	195.01	2.00	0.00	1.00	0.00	1.29	196.98	2.00	0.00	1.00	0.00
1.30	199.05	2.00	0.00	1.00	0.00	1.31	203.43	2.00	0.00	1.00	0.00
1.32	206.37	2.00	0.00	1.00	0.00	1.33	207.70	2.00	0.00	1.00	0.00
1.34	208.80	2.00	0.00	1.00	0.00	1.35	210.79	2.00	0.00	1.00	0.00
1.36	211.54	2.00	0.00	1.00	0.00	1.37	212.28	2.00	0.00	1.00	0.00
1.38	213.14	2.00	0.00	1.00	0.00	1.39	212.08	2.00	0.00	1.00	0.00
1.40	211.37	2.00	0.00	1.00	0.00	1.41	208.86	2.00	0.00	1.00	0.00
1.42	207.70	2.00	0.00	1.00	0.00	1.43	206.65	2.00	0.00	1.00	0.00
1.44	205.38	2.00	0.00	1.00	0.00	1.45	202.74	2.00	0.00	1.00	0.00
1.46	201.03	2.00	0.00	1.00	0.00	1.47	199.19	2.00	0.00	1.00	0.00
1.48	196.01	2.00	0.00	1.00	0.00	1.49	194.46	2.00	0.00	1.00	0.00
1.50	193.61	2.00	0.00	1.00	0.00	1.51	193.06	2.00	0.00	1.00	0.00
1.52	191.42	2.00	0.00	1.00	0.00	1.53	190.59	2.00	0.00	1.00	0.00
1.54	189.58	2.00	0.00	1.00	0.00	1.55	188.47	2.00	0.00	1.00	0.00
1.56	187.22	2.00	0.00	1.00	0.00	1.57	185.87	2.00	0.00	1.00	0.00
1.58	184.85	2.00	0.00	1.00	0.00	1.59	183.77	2.00	0.00	1.00	0.00
1.60	183.08	2.00	0.00	1.00	0.00	1.61	181.87	2.00	0.00	1.00	0.00
1.62	181.30	2.00	0.00	1.00	0.00	1.63	180.27	2.00	0.00	1.00	0.00
1.64	180.26	2.00	0.00	1.00	0.00	1.65	179.92	2.00	0.00	1.00	0.00
1.66	180.01	2.00	0.00	1.00	0.00	1.67	181.75	2.00	0.00	1.00	0.00
1.68	182.84	2.00	0.00	1.00	0.00	1.69	184.00	2.00	0.00	1.00	0.00
1.70	185.75	2.00	0.00	1.00	0.00	1.71	188.28	2.00	0.00	1.00	0.00
1.72	188.65	2.00	0.00	1.00	0.00	1.73	188.57	2.00	0.00	1.00	0.00
1.74	188.37	2.00	0.00	1.00	0.00	1.75	188.41	2.00	0.00	1.00	0.00
1.76	188.89	2.00	0.00	1.00	0.00	1.77	189.38	2.00	0.00	1.00	0.00
1.78	190.87	2.00	0.00	1.00	0.00	1.79	190.91	2.00	0.00	1.00	0.00
1.80	190.61	2.00	0.00	1.00	0.00	1.81	190.98	2.00	0.00	1.00	0.00
1.82	190.57	2.00	0.00	1.00	0.00	1.83	190.94	2.00	0.00	1.00	0.00
1.84	190.20	2.00	0.00	1.00	0.00	1.85	189.35	2.00	0.00	1.00	0.00
1.86	188.05	2.00	0.00	1.00	0.00	1.87	186.97	2.00	0.00	1.00	0.00
1.88	186.01	2.00	0.00	1.00	0.00	1.89	184.71	2.00	0.00	1.00	0.00
1.90	184.08	2.00	0.00	1.00	0.00	1.91	183.79	2.00	0.00	1.00	0.00
1.92	183.51	2.00	0.00	1.00	0.00	1.93	165.79	1.91	0.04	1.00	0.00
1.94	171.39	2.00	0.00	1.00	0.00	1.95	170.32	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	168.79	2.00	0.00	1.00	0.00	1.97	166.57	1.95	0.02	1.00	0.00
1.98	161.99	1.66	0.17	1.00	0.00	1.99	159.90	1.54	0.24	1.00	0.00
2.00	157.55	1.43	0.32	1.00	0.00	2.01	150.76	1.17	0.61	1.00	0.01
2.02	150.40	1.16	0.63	1.00	0.01	2.03	149.70	1.13	0.67	1.00	0.01
2.04	149.39	1.12	0.69	1.00	0.01	2.05	148.21	1.08	0.76	1.00	0.01
2.06	148.14	1.08	0.76	1.00	0.01	2.07	147.15	1.05	0.82	1.00	0.01
2.08	146.49	1.03	0.86	1.00	0.01	2.09	145.38	1.00	0.94	1.00	0.01
2.10	144.96	0.99	0.97	1.00	0.01	2.11	142.54	0.93	1.15	1.00	0.01
2.12	141.89	0.92	1.20	1.00	0.01	2.13	140.29	0.88	1.35	1.00	0.01
2.14	139.59	0.87	1.43	1.00	0.01	2.15	139.19	0.86	1.47	1.00	0.01
2.16	139.88	0.87	1.41	1.00	0.01	2.17	141.51	0.90	1.26	1.00	0.01
2.18	147.64	1.05	0.82	1.00	0.01	2.19	150.91	1.14	0.65	1.00	0.01
2.20	154.15	1.25	0.50	1.00	0.00	2.21	160.47	1.53	0.25	1.00	0.00
2.22	163.31	1.68	0.15	1.00	0.00	2.23	165.68	1.82	0.08	1.00	0.00
2.24	168.72	2.00	0.00	1.00	0.00	2.25	168.83	2.00	0.00	1.00	0.00
2.26	168.04	1.98	0.01	1.00	0.00	2.27	165.34	1.79	0.09	1.00	0.00
2.28	163.76	1.69	0.15	1.00	0.00	2.29	162.17	1.60	0.20	1.00	0.00
2.30	160.70	1.52	0.25	1.00	0.00	2.31	157.28	1.36	0.39	1.00	0.00
2.32	155.68	1.29	0.45	1.00	0.00	2.33	153.84	1.22	0.54	1.00	0.01
2.34	151.77	1.15	0.64	1.00	0.01	2.35	151.08	1.13	0.67	1.00	0.01
2.36	150.74	1.12	0.69	1.00	0.01	2.37	150.51	1.11	0.71	1.00	0.01
2.38	149.71	1.08	0.75	1.00	0.01	2.39	148.96	1.06	0.80	1.00	0.01
2.40	146.07	0.98	0.98	1.00	0.01	2.41	144.53	0.94	1.09	1.00	0.01
2.42	143.95	0.93	1.14	1.00	0.01	2.43	141.70	0.88	1.34	1.00	0.01
2.44	143.04	0.91	1.22	1.00	0.01	2.45	144.05	0.93	1.14	1.00	0.01
2.46	143.37	0.91	1.20	1.00	0.01	2.47	143.96	0.92	1.16	1.00	0.01
2.48	143.44	0.91	1.20	1.00	0.01	2.49	141.59	0.87	1.37	1.00	0.01
2.50	141.16	0.86	1.42	1.00	0.01	2.51	139.41	0.83	1.61	1.00	0.02
2.52	138.19	0.80	1.77	1.00	0.02	2.53	138.68	0.81	1.71	1.00	0.02
2.54	138.26	0.80	1.77	1.00	0.02	2.55	138.10	0.80	1.80	1.00	0.02
2.56	137.13	0.78	1.95	1.00	0.02	2.57	137.56	0.79	1.89	1.00	0.02
2.58	138.95	0.81	1.70	1.00	0.02	2.59	140.11	0.83	1.56	1.00	0.02
2.60	138.96	0.81	1.71	1.00	0.02	2.61	139.21	0.81	1.68	1.00	0.02
2.62	140.03	0.83	1.58	1.00	0.02	2.63	141.09	0.85	1.47	1.00	0.01
2.64	142.15	0.87	1.36	1.00	0.01	2.65	145.17	0.94	1.11	1.00	0.01
2.66	145.42	0.94	1.09	1.00	0.01	2.67	145.08	0.93	1.12	1.00	0.01
2.68	144.40	0.92	1.17	1.00	0.01	2.69	142.11	0.86	1.38	1.00	0.01
2.70	140.73	0.84	1.53	1.00	0.02	2.71	139.12	0.81	1.73	1.00	0.02
2.72	136.93	0.77	2.06	1.00	0.02	2.73	135.62	0.74	2.31	1.00	0.02
2.74	134.54	0.73	2.34	1.00	0.02	2.75	132.17	0.69	2.39	1.00	0.02
2.76	132.29	0.69	2.39	1.00	0.02	2.77	132.19	0.69	2.39	1.00	0.02
2.78	132.67	0.70	2.38	1.00	0.02	2.79	132.49	0.69	2.38	1.00	0.02
2.80	133.18	0.70	2.37	1.00	0.02	2.81	132.64	0.70	2.38	1.00	0.02
2.82	132.69	0.70	2.38	1.00	0.02	2.83	132.47	0.69	2.38	1.00	0.02
2.84	132.07	0.69	2.39	1.00	0.02	2.85	132.19	0.69	2.39	1.00	0.02
2.86	131.08	0.67	2.41	1.00	0.02	2.87	132.83	0.69	2.38	1.00	0.02
2.88	133.56	0.70	2.36	1.00	0.02	2.89	135.24	0.73	2.33	1.00	0.02
2.90	137.02	0.76	2.12	1.00	0.02	2.91	136.91	0.75	2.15	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	136.80	0.75	2.17	1.00	0.02	2.93	135.20	0.73	2.33	1.00	0.02
2.94	139.15	0.79	1.81	1.00	0.02	2.95	141.35	0.83	1.54	1.00	0.02
2.96	143.09	0.87	1.36	1.00	0.01	2.97	144.70	0.90	1.21	1.00	0.01
2.98	145.74	0.92	1.13	1.00	0.01	2.99	149.16	1.01	0.89	1.00	0.01
3.00	151.21	1.07	0.77	1.00	0.01	3.01	153.58	1.14	0.64	1.00	0.01
3.02	156.06	1.23	0.52	1.00	0.01	3.03	155.85	1.22	0.53	1.00	0.01
3.04	157.09	1.27	0.48	1.00	0.00	3.05	159.99	1.39	0.36	1.00	0.00
3.06	159.01	1.34	0.40	1.00	0.00	3.07	158.79	1.33	0.41	1.00	0.00
3.08	157.47	1.28	0.47	1.00	0.00	3.09	156.37	1.24	0.52	1.00	0.01
3.10	155.94	1.22	0.54	1.00	0.01	3.11	155.39	1.20	0.56	1.00	0.01
3.12	154.51	1.17	0.61	1.00	0.01	3.13	153.18	1.12	0.68	1.00	0.01
3.14	151.29	1.06	0.78	1.00	0.01	3.15	147.04	0.95	1.06	1.00	0.01
3.16	144.91	0.89	1.23	1.00	0.01	3.17	143.11	0.86	1.40	1.00	0.01
3.18	141.32	0.82	1.60	1.00	0.02	3.19	140.55	0.80	1.69	1.00	0.02
3.20	139.77	0.79	1.80	1.00	0.02	3.21	138.76	0.77	1.95	1.00	0.02
3.22	136.95	0.74	2.27	1.00	0.02	3.23	136.85	0.74	2.29	1.00	0.02
3.24	136.99	0.74	2.27	1.00	0.02	3.25	137.24	0.74	2.22	1.00	0.02
3.26	137.94	0.75	2.10	1.00	0.02	3.27	137.74	0.75	2.14	1.00	0.02
3.28	137.08	0.74	2.26	1.00	0.02	3.29	135.96	0.72	2.32	1.00	0.02
3.30	134.15	0.69	2.35	1.00	0.02	3.31	130.05	0.64	2.43	1.00	0.02
3.32	127.08	0.60	2.50	1.00	0.02	3.33	124.40	0.58	2.55	1.00	0.03
3.34	122.37	0.56	2.60	1.00	0.03	3.35	119.65	0.53	2.66	1.00	0.03
3.36	120.51	0.54	2.64	1.00	0.03	3.37	121.08	0.54	2.63	1.00	0.03
3.38	122.78	0.56	2.59	1.00	0.03	3.39	123.39	0.56	2.58	1.00	0.03
3.40	126.39	0.59	2.51	1.00	0.03	3.41	127.13	0.60	2.49	1.00	0.02
3.42	127.76	0.61	2.48	1.00	0.02	3.43	128.10	0.61	2.47	1.00	0.02
3.44	128.72	0.62	2.46	1.00	0.02	3.45	126.55	0.59	2.51	1.00	0.03
3.46	125.89	0.59	2.52	1.00	0.03	3.47	124.62	0.57	2.55	1.00	0.03
3.48	123.34	0.56	2.58	1.00	0.03	3.49	122.41	0.55	2.60	1.00	0.03
3.50	121.88	0.55	2.61	1.00	0.03	3.51	122.70	0.55	2.59	1.00	0.03
3.52	123.11	0.56	2.58	1.00	0.03	3.53	125.19	0.58	2.54	1.00	0.03
3.54	125.25	0.58	2.54	1.00	0.03	3.55	125.56	0.58	2.53	1.00	0.03
3.56	124.74	0.57	2.55	1.00	0.03	3.57	122.82	0.55	2.59	1.00	0.03
3.58	120.41	0.53	2.65	1.00	0.03	3.59	117.72	0.51	2.71	1.00	0.03
3.60	115.41	0.49	2.77	1.00	0.03	3.61	113.95	0.48	2.81	1.00	0.03
3.62	110.05	0.45	2.91	1.00	0.03	3.63	108.38	0.44	2.96	1.00	0.03
3.64	106.71	0.43	3.01	1.00	0.03	3.65	105.83	0.43	3.03	1.00	0.03
3.66	104.84	0.42	3.06	1.00	0.03	3.67	102.18	0.41	3.14	1.00	0.03
3.68	101.42	0.40	3.17	1.00	0.03	3.69	101.17	0.40	3.17	1.00	0.03
3.70	100.87	0.40	3.18	1.00	0.03	3.71	101.71	0.40	3.16	1.00	0.03
3.72	102.06	0.40	3.15	1.00	0.03	3.73	103.43	0.41	3.10	1.00	0.03
3.74	104.19	0.41	3.08	1.00	0.03	3.75	104.49	0.42	3.07	1.00	0.03
3.76	105.74	0.42	3.03	1.00	0.03	3.77	105.65	0.42	3.04	1.00	0.03
3.78	105.14	0.42	3.05	1.00	0.03	3.79	103.89	0.41	3.09	1.00	0.03
3.80	99.01	0.39	3.25	1.00	0.03	3.81	97.94	0.38	3.28	1.00	0.03
3.82	93.80	0.36	3.43	1.00	0.03	3.83	93.14	0.36	3.45	1.00	0.03
3.84	93.11	0.36	3.45	1.00	0.03	3.85	92.31	0.36	3.48	1.00	0.03
3.86	92.12	0.35	3.49	1.00	0.03	3.87	91.93	0.35	3.50	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	93.68	0.36	3.43	1.00	0.03	3.89	94.40	0.36	3.41	1.00	0.03
3.90	96.39	0.37	3.34	1.00	0.03	3.91	97.77	0.38	3.29	1.00	0.03
3.92	97.82	0.38	3.29	1.00	0.03	3.93	85.72	0.33	3.75	1.00	0.04
3.94	90.41	0.35	3.56	1.00	0.04	3.95	92.77	0.36	3.47	1.00	0.03
3.96	95.38	0.37	3.37	1.00	0.03	3.97	97.37	0.37	3.30	1.00	0.03
3.98	98.98	0.38	3.25	1.00	0.03	3.99	100.87	0.39	3.18	1.00	0.03
4.00	102.06	0.40	3.15	1.00	0.03	4.01	103.07	0.40	3.11	1.00	0.03
4.02	103.94	0.41	3.09	1.00	0.03	4.03	104.34	0.41	3.08	1.00	0.03
4.04	104.14	0.41	3.08	1.00	0.03	4.05	104.39	0.41	3.07	1.00	0.03
4.06	104.33	0.41	3.08	1.00	0.03	4.07	104.29	0.41	3.08	1.00	0.03
4.08	104.14	0.41	3.08	1.00	0.03	4.09	103.85	0.40	3.09	1.00	0.03
4.10	103.84	0.40	3.09	1.00	0.03	4.11	103.70	0.40	3.10	1.00	0.03
4.12	103.63	0.40	3.10	1.00	0.03	4.13	103.25	0.40	3.11	1.00	0.03
4.14	103.52	0.40	3.10	1.00	0.03	4.15	103.27	0.40	3.11	1.00	0.03
4.16	103.09	0.40	3.11	1.00	0.03	4.17	102.73	0.40	3.13	1.00	0.03
4.18	103.28	0.40	3.11	1.00	0.03	4.19	102.82	0.40	3.12	1.00	0.03
4.20	102.57	0.39	3.13	1.00	0.03	4.21	102.33	0.39	3.14	1.00	0.03
4.22	101.93	0.39	3.15	1.00	0.03	4.23	101.10	0.39	3.18	1.00	0.03
4.24	101.19	0.39	3.17	1.00	0.03	4.25	100.41	0.38	3.20	1.00	0.03
4.26	100.01	0.38	3.21	1.00	0.03	4.27	99.22	0.38	3.24	1.00	0.03
4.28	99.67	0.38	3.22	1.00	0.03	4.29	98.77	0.37	3.25	1.00	0.03
4.30	98.68	0.37	3.26	1.00	0.03	4.31	98.52	0.37	3.26	1.00	0.03
4.32	98.29	0.37	3.27	1.00	0.03	4.33	98.30	0.37	3.27	1.00	0.03
4.34	98.03	0.37	3.28	1.00	0.03	4.35	98.40	0.37	3.27	1.00	0.03
4.36	98.78	0.37	3.25	1.00	0.03	4.37	99.88	0.38	3.22	1.00	0.03
4.38	100.39	0.38	3.20	1.00	0.03	4.39	101.33	0.38	3.17	1.00	0.03
4.40	101.76	0.39	3.16	1.00	0.03	4.41	102.10	0.39	3.15	1.00	0.03
4.42	102.72	0.39	3.13	1.00	0.03	4.43	102.45	0.39	3.13	1.00	0.03
4.44	102.80	0.39	3.12	1.00	0.03	4.45	102.99	0.39	3.12	1.00	0.03
4.46	102.54	0.39	3.13	1.00	0.03	4.47	101.26	0.38	3.17	1.00	0.03
4.48	100.03	0.38	3.21	1.00	0.03	4.49	97.75	0.37	3.29	1.00	0.03
4.50	95.55	0.36	3.36	1.00	0.03	4.51	93.36	0.35	3.44	1.00	0.03
4.52	91.45	0.34	3.52	1.00	0.04	4.53	90.50	0.34	3.55	1.00	0.04
4.54	89.46	0.33	3.59	1.00	0.04	4.55	88.80	0.33	3.62	1.00	0.04
4.56	88.24	0.33	3.64	1.00	0.04	4.57	87.78	0.33	3.66	1.00	0.04
4.58	87.25	0.32	3.68	1.00	0.04	4.59	87.24	0.32	3.68	1.00	0.04
4.60	87.59	0.33	3.67	1.00	0.04	4.61	88.28	0.33	3.64	1.00	0.04
4.62	89.34	0.33	3.60	1.00	0.04	4.63	90.75	0.34	3.54	1.00	0.04
4.64	92.28	0.34	3.48	1.00	0.03	4.65	93.69	0.35	3.43	1.00	0.03
4.66	94.94	0.35	3.39	1.00	0.03	4.67	96.45	0.36	3.33	1.00	0.03
4.68	97.76	0.36	3.29	1.00	0.03	4.69	98.74	0.37	3.25	1.00	0.03
4.70	99.51	0.37	3.23	1.00	0.03	4.71	100.19	0.37	3.21	1.00	0.03
4.72	100.95	0.38	3.18	1.00	0.03	4.73	101.25	0.38	3.17	1.00	0.03
4.74	101.82	0.38	3.15	1.00	0.03	4.75	101.88	0.38	3.15	1.00	0.03
4.76	101.62	0.38	3.16	1.00	0.03	4.77	101.34	0.38	3.17	1.00	0.03
4.78	100.91	0.38	3.18	1.00	0.03	4.79	100.27	0.37	3.20	1.00	0.03
4.80	99.97	0.37	3.21	1.00	0.03	4.81	99.60	0.37	3.23	1.00	0.03
4.82	99.68	0.37	3.22	1.00	0.03	4.83	99.56	0.37	3.23	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	100.08	0.37	3.21	1.00	0.03	4.85	99.84	0.37	3.22	1.00	0.03
4.86	100.63	0.37	3.19	1.00	0.03	4.87	101.00	0.38	3.18	1.00	0.03
4.88	101.49	0.38	3.16	1.00	0.03	4.89	102.25	0.38	3.14	1.00	0.03
4.90	102.66	0.38	3.13	1.00	0.03	4.91	103.27	0.39	3.11	1.00	0.03
4.92	96.84	0.36	3.32	1.00	0.03	4.93	87.31	0.32	3.68	1.00	0.04
4.94	86.02	0.32	3.74	1.00	0.04	4.95	88.04	0.32	3.65	1.00	0.04
4.96	89.50	0.33	3.59	1.00	0.04	4.97	92.70	0.34	3.47	1.00	0.03
4.98	94.66	0.35	3.40	1.00	0.03	4.99	96.45	0.35	3.33	1.00	0.03
5.00	97.62	0.36	3.29	1.00	0.03	5.01	97.90	0.36	3.28	1.00	0.03
5.02	97.06	0.36	3.31	1.00	0.03	5.03	95.88	0.35	3.35	1.00	0.03
5.04	94.21	0.34	3.41	1.00	0.03	5.05	91.32	0.33	3.52	1.00	0.04
5.06	89.91	0.33	3.58	1.00	0.04	5.07	88.95	0.32	3.61	1.00	0.04
5.08	88.44	0.32	3.64	1.00	0.04	5.09	89.43	0.33	3.60	1.00	0.04
5.10	90.05	0.33	3.57	1.00	0.04	5.11	93.12	0.34	3.45	1.00	0.03
5.12	96.18	0.35	3.34	1.00	0.03	5.13	99.24	0.36	3.24	1.00	0.03
5.14	101.87	0.38	3.15	1.00	0.03	5.15	104.80	0.39	3.06	1.00	0.03
5.16	104.72	0.39	3.06	1.00	0.03	5.17	105.74	0.40	3.03	1.00	0.03
5.18	105.69	0.40	3.04	1.00	0.03	5.19	105.36	0.39	3.05	1.00	0.03
5.20	105.53	0.39	3.04	1.00	0.03	5.21	103.14	0.38	3.11	1.00	0.03
5.22	102.80	0.38	3.12	1.00	0.03	5.23	102.05	0.38	3.15	1.00	0.03
5.24	101.24	0.37	3.17	1.00	0.03	5.25	100.52	0.37	3.20	1.00	0.03
5.26	100.25	0.37	3.21	1.00	0.03	5.27	98.95	0.36	3.25	1.00	0.03
5.28	98.55	0.36	3.26	1.00	0.03	5.29	98.22	0.36	3.27	1.00	0.03
5.30	97.43	0.35	3.30	1.00	0.03	5.31	98.06	0.36	3.28	1.00	0.03
5.32	97.76	0.36	3.29	1.00	0.03	5.33	97.14	0.35	3.31	1.00	0.03
5.34	96.41	0.35	3.33	1.00	0.03	5.35	95.72	0.35	3.36	1.00	0.03
5.36	95.16	0.34	3.38	1.00	0.03	5.37	93.23	0.34	3.45	1.00	0.03
5.38	91.87	0.33	3.50	1.00	0.04	5.39	90.66	0.33	3.55	1.00	0.04
5.40	89.51	0.32	3.59	1.00	0.04	5.41	88.88	0.32	3.62	1.00	0.04
5.42	85.95	0.31	3.74	1.00	0.04	5.43	85.61	0.31	3.75	1.00	0.04
5.44	84.64	0.31	3.80	1.00	0.04	5.45	83.50	0.30	3.85	1.00	0.04
5.46	82.08	0.30	3.91	1.00	0.04	5.47	80.78	0.29	3.97	1.00	0.04
5.48	74.87	0.28	4.27	1.00	0.04	5.49	16.84	2.00	0.00	1.00	0.00
5.50	14.39	2.00	0.00	1.00	0.00	5.51	12.78	2.00	0.00	1.00	0.00
5.52	11.68	2.00	0.00	1.00	0.00	5.53	11.92	2.00	0.00	1.00	0.00
5.54	21.23	2.00	0.00	1.00	0.00	5.55	84.99	0.31	3.78	1.00	0.04
5.56	90.13	0.32	3.57	1.00	0.04	5.57	93.83	0.34	3.43	1.00	0.03
5.58	95.14	0.34	3.38	1.00	0.03	5.59	95.08	0.34	3.38	1.00	0.03
5.60	93.49	0.34	3.44	1.00	0.03	5.61	92.40	0.33	3.48	1.00	0.03
5.62	90.85	0.33	3.54	1.00	0.04	5.63	89.09	0.32	3.61	1.00	0.04
5.64	87.87	0.32	3.66	1.00	0.04	5.65	85.63	0.31	3.75	1.00	0.04
5.66	85.32	0.31	3.77	1.00	0.04	5.67	84.92	0.31	3.78	1.00	0.04
5.68	85.11	0.31	3.77	1.00	0.04	5.69	84.80	0.31	3.79	1.00	0.04
5.70	88.91	0.32	3.62	1.00	0.04	5.71	91.13	0.33	3.53	1.00	0.04
5.72	94.47	0.34	3.40	1.00	0.03	5.73	98.11	0.35	3.28	1.00	0.03
5.74	101.23	0.37	3.17	1.00	0.03	5.75	103.75	0.38	3.09	1.00	0.03
5.76	105.08	0.39	3.05	1.00	0.03	5.77	105.63	0.39	3.04	1.00	0.03
5.78	106.03	0.39	3.03	1.00	0.03	5.79	105.60	0.39	3.04	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	104.15	0.38	3.08	1.00	0.03	5.81	102.40	0.37	3.14	1.00	0.03
5.82	101.29	0.37	3.17	1.00	0.03	5.83	100.84	0.36	3.19	1.00	0.03
5.84	100.06	0.36	3.21	1.00	0.03	5.85	99.75	0.36	3.22	1.00	0.03
5.86	98.43	0.35	3.27	1.00	0.03	5.87	94.32	0.34	3.41	1.00	0.03
5.88	92.24	0.33	3.49	1.00	0.03	5.89	90.95	0.32	3.54	1.00	0.04
5.90	87.86	0.31	3.66	1.00	0.04	5.91	89.04	0.32	3.61	1.00	0.04
5.92	91.94	0.33	3.50	1.00	0.03	5.93	74.91	0.28	4.27	1.00	0.04
5.94	75.98	0.28	4.21	1.00	0.04	5.95	73.93	0.27	4.32	1.00	0.04
5.96	15.42	2.00	0.00	1.00	0.00	5.97	13.38	2.00	0.00	1.00	0.00
5.98	12.06	2.00	0.00	1.00	0.00	5.99	11.22	2.00	0.00	1.00	0.00
6.00	11.10	2.00	0.00	1.00	0.00	6.01	10.62	2.00	0.00	1.00	0.00
6.02	10.25	2.00	0.00	1.00	0.00	6.03	8.34	2.00	0.00	1.00	0.00
6.04	6.66	2.00	0.00	1.00	0.00	6.05	5.93	2.00	0.00	1.00	0.00
6.06	5.69	2.00	0.00	1.00	0.00	6.07	5.69	2.00	0.00	1.00	0.00
6.08	5.56	2.00	0.00	1.00	0.00	6.09	5.32	2.00	0.00	1.00	0.00
6.10	5.20	2.00	0.00	1.00	0.00	6.11	5.20	2.00	0.00	1.00	0.00
6.12	5.19	2.00	0.00	1.00	0.00	6.13	5.19	2.00	0.00	1.00	0.00
6.14	5.19	2.00	0.00	1.00	0.00	6.15	4.95	2.00	0.00	1.00	0.00
6.16	4.94	2.00	0.00	1.00	0.00	6.17	4.82	2.00	0.00	1.00	0.00
6.18	4.82	2.00	0.00	1.00	0.00	6.19	4.82	2.00	0.00	1.00	0.00
6.20	4.82	2.00	0.00	1.00	0.00	6.21	4.93	2.00	0.00	1.00	0.00
6.22	5.05	2.00	0.00	1.00	0.00	6.23	5.17	2.00	0.00	1.00	0.00
6.24	5.28	2.00	0.00	1.00	0.00	6.25	5.52	2.00	0.00	1.00	0.00
6.26	5.64	2.00	0.00	1.00	0.00	6.27	6.23	2.00	0.00	1.00	0.00
6.28	7.54	2.00	0.00	1.00	0.00	6.29	9.67	2.00	0.00	1.00	0.00
6.30	10.38	2.00	0.00	1.00	0.00	6.31	10.73	2.00	0.00	1.00	0.00
6.32	10.96	2.00	0.00	1.00	0.00	6.33	11.19	2.00	0.00	1.00	0.00
6.34	11.18	2.00	0.00	1.00	0.00	6.35	11.64	2.00	0.00	1.00	0.00
6.36	12.46	2.00	0.00	1.00	0.00	6.37	13.62	2.00	0.00	1.00	0.00
6.38	15.02	2.00	0.00	1.00	0.00	6.39	72.52	0.27	4.40	1.00	0.04
6.40	75.72	0.27	4.23	1.00	0.04	6.41	91.46	0.32	3.52	1.00	0.04
6.42	94.04	0.33	3.42	1.00	0.03	6.43	94.85	0.33	3.39	1.00	0.03
6.44	92.39	0.32	3.48	1.00	0.03	6.45	88.93	0.31	3.62	1.00	0.04
6.46	85.94	0.30	3.74	1.00	0.04	6.47	78.06	0.28	4.10	1.00	0.04
6.48	18.39	2.00	0.00	1.00	0.00	6.49	15.37	2.00	0.00	1.00	0.00
6.50	13.39	2.00	0.00	1.00	0.00	6.51	12.10	2.00	0.00	1.00	0.00
6.52	11.28	2.00	0.00	1.00	0.00	6.53	10.81	2.00	0.00	1.00	0.00
6.54	9.88	2.00	0.00	1.00	0.00	6.55	8.94	2.00	0.00	1.00	0.00
6.56	8.24	2.00	0.00	1.00	0.00	6.57	7.77	2.00	0.00	1.00	0.00
6.58	7.53	2.00	0.00	1.00	0.00	6.59	7.76	2.00	0.00	1.00	0.00
6.60	7.98	2.00	0.00	1.00	0.00	6.61	8.33	2.00	0.00	1.00	0.00
6.62	8.09	2.00	0.00	1.00	0.00	6.63	7.74	2.00	0.00	1.00	0.00
6.64	7.39	2.00	0.00	1.00	0.00	6.65	7.27	2.00	0.00	1.00	0.00
6.66	9.23	2.00	0.00	1.00	0.00	6.67	14.30	2.00	0.00	1.00	0.00
6.68	76.22	0.27	4.20	1.00	0.04	6.69	84.73	0.30	3.79	1.00	0.04
6.70	82.92	0.29	3.87	1.00	0.04	6.71	83.12	0.29	3.86	1.00	0.04
6.72	82.78	0.29	3.88	1.00	0.04	6.73	81.43	0.29	3.94	1.00	0.04
6.74	79.24	0.28	4.05	1.00	0.04	6.75	75.39	0.27	4.24	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	76.19	0.27	4.20	1.00	0.04	6.77	77.02	0.28	4.16	1.00	0.04
6.78	19.57	2.00	0.00	1.00	0.00	6.79	19.56	2.00	0.00	1.00	0.00
6.80	20.34	2.00	0.00	1.00	0.00	6.81	19.98	2.00	0.00	1.00	0.00
6.82	17.59	2.00	0.00	1.00	0.00	6.83	15.19	2.00	0.00	1.00	0.00
6.84	13.48	2.00	0.00	1.00	0.00	6.85	12.56	2.00	0.00	1.00	0.00
6.86	11.41	2.00	0.00	1.00	0.00	6.87	10.50	2.00	0.00	1.00	0.00
6.88	10.49	2.00	0.00	1.00	0.00	6.89	12.65	2.00	0.00	1.00	0.00
6.90	17.39	2.00	0.00	1.00	0.00	6.91	17.39	2.00	0.00	1.00	0.00
6.92	17.40	2.00	0.00	1.00	0.00	6.93	86.29	0.30	3.72	1.00	0.04
6.94	87.29	0.31	3.68	1.00	0.04	6.95	87.03	0.30	3.69	1.00	0.04
6.96	85.25	0.30	3.77	1.00	0.04	6.97	84.55	0.30	3.80	1.00	0.04
6.98	84.73	0.30	3.79	1.00	0.04	6.99	86.66	0.30	3.71	1.00	0.04
7.00	89.97	0.31	3.57	1.00	0.04	7.01	100.99	0.36	3.18	1.00	0.03
7.02	106.63	0.38	3.01	1.00	0.03	7.03	106.43	0.38	3.01	1.00	0.03
7.04	105.80	0.38	3.03	1.00	0.03	7.05	106.01	0.38	3.03	1.00	0.03
7.06	106.05	0.38	3.02	1.00	0.03	7.07	105.86	0.38	3.03	1.00	0.03
7.08	106.18	0.38	3.02	1.00	0.03	7.09	106.07	0.38	3.02	1.00	0.03
7.10	105.96	0.38	3.03	1.00	0.03	7.11	105.50	0.38	3.04	1.00	0.03
7.12	104.95	0.37	3.06	1.00	0.03	7.13	99.04	0.35	3.24	1.00	0.03
7.14	95.37	0.33	3.37	1.00	0.03	7.15	90.58	0.32	3.55	1.00	0.04
7.16	86.40	0.30	3.72	1.00	0.04	7.17	82.04	0.29	3.91	1.00	0.04
7.18	21.02	2.00	0.00	1.00	0.00	7.19	18.67	2.00	0.00	1.00	0.00
7.20	16.21	2.00	0.00	1.00	0.00	7.21	15.09	2.00	0.00	1.00	0.00
7.22	13.75	2.00	0.00	1.00	0.00	7.23	12.85	2.00	0.00	1.00	0.00
7.24	12.39	2.00	0.00	1.00	0.00	7.25	12.84	2.00	0.00	1.00	0.00
7.26	28.50	2.00	0.00	1.00	0.00	7.27	97.06	0.34	3.31	1.00	0.03
7.28	104.93	0.37	3.06	1.00	0.03	7.29	105.73	0.38	3.03	1.00	0.03
7.30	105.22	0.38	3.05	1.00	0.03	7.31	97.79	0.34	3.29	1.00	0.03
7.32	94.35	0.33	3.41	1.00	0.03	7.33	90.98	0.32	3.53	1.00	0.04
7.34	88.33	0.31	3.64	1.00	0.04	7.35	86.84	0.30	3.70	1.00	0.04
7.36	84.97	0.30	3.78	1.00	0.04	7.37	85.33	0.30	3.77	1.00	0.04
7.38	86.43	0.30	3.72	1.00	0.04	7.39	87.51	0.30	3.67	1.00	0.04
7.40	89.23	0.31	3.60	1.00	0.04	7.41	93.11	0.32	3.45	1.00	0.03
7.42	90.84	0.32	3.54	1.00	0.04	7.43	89.50	0.31	3.59	1.00	0.04
7.44	86.94	0.30	3.70	1.00	0.04	7.45	83.38	0.29	3.85	1.00	0.04
7.46	80.15	0.28	4.00	1.00	0.04	7.47	19.72	2.00	0.00	1.00	0.00
7.48	17.07	2.00	0.00	1.00	0.00	7.49	14.31	2.00	0.00	1.00	0.00
7.50	13.43	2.00	0.00	1.00	0.00	7.51	13.20	2.00	0.00	1.00	0.00
7.52	12.53	2.00	0.00	1.00	0.00	7.53	11.21	2.00	0.00	1.00	0.00
7.54	10.32	2.00	0.00	1.00	0.00	7.55	9.55	2.00	0.00	1.00	0.00
7.56	9.21	2.00	0.00	1.00	0.00	7.57	8.99	2.00	0.00	1.00	0.00
7.58	8.76	2.00	0.00	1.00	0.00	7.59	8.98	2.00	0.00	1.00	0.00
7.60	9.74	2.00	0.00	1.00	0.00	7.61	10.39	2.00	0.00	1.00	0.00
7.62	10.06	2.00	0.00	1.00	0.00	7.63	9.95	2.00	0.00	1.00	0.00
7.64	9.50	2.00	0.00	1.00	0.00	7.65	9.28	2.00	0.00	1.00	0.00
7.66	9.05	2.00	0.00	1.00	0.00	7.67	8.72	2.00	0.00	1.00	0.00
7.68	9.16	2.00	0.00	1.00	0.00	7.69	9.37	2.00	0.00	1.00	0.00
7.70	9.48	2.00	0.00	1.00	0.00	7.71	9.47	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	9.80	2.00	0.00	1.00	0.00	7.73	10.23	2.00	0.00	1.00	0.00
7.74	12.42	2.00	0.00	1.00	0.00	7.75	72.02	0.26	4.43	1.00	0.04
7.76	79.14	0.28	4.05	1.00	0.04	7.77	79.61	0.28	4.03	1.00	0.04
7.78	78.16	0.28	4.10	1.00	0.04	7.79	18.14	2.00	0.00	1.00	0.00
7.80	15.42	2.00	0.00	1.00	0.00	7.81	13.78	2.00	0.00	1.00	0.00
7.82	12.90	2.00	0.00	1.00	0.00	7.83	10.07	2.00	0.00	1.00	0.00
7.84	8.87	2.00	0.00	1.00	0.00	7.85	7.99	2.00	0.00	1.00	0.00
7.86	7.23	2.00	0.00	1.00	0.00	7.87	6.57	2.00	0.00	1.00	0.00
7.88	6.35	2.00	0.00	1.00	0.00	7.89	6.02	2.00	0.00	1.00	0.00
7.90	6.02	2.00	0.00	1.00	0.00	7.91	6.01	2.00	0.00	1.00	0.00
7.92	6.01	2.00	0.00	1.00	0.00	7.93	5.57	2.00	0.00	1.00	0.00
7.94	5.57	2.00	0.00	1.00	0.00	7.95	5.68	2.00	0.00	1.00	0.00
7.96	5.78	2.00	0.00	1.00	0.00	7.97	5.78	2.00	0.00	1.00	0.00
7.98	6.10	2.00	0.00	1.00	0.00	7.99	6.64	2.00	0.00	1.00	0.00
8.00	8.05	2.00	0.00	1.00	0.00	8.01	11.83	2.00	0.00	1.00	0.00
8.02	11.71	2.00	0.00	1.00	0.00	8.03	10.63	2.00	0.00	1.00	0.00
8.04	10.84	2.00	0.00	1.00	0.00	8.05	10.62	2.00	0.00	1.00	0.00
8.06	10.94	2.00	0.00	1.00	0.00	8.07	11.90	2.00	0.00	1.00	0.00
8.08	15.33	2.00	0.00	1.00	0.00	8.09	74.31	0.27	4.30	1.00	0.04
8.10	77.06	0.27	4.16	1.00	0.04	8.11	77.97	0.28	4.11	1.00	0.04
8.12	78.46	0.28	4.08	1.00	0.04	8.13	77.97	0.28	4.11	1.00	0.04
8.14	20.40	2.00	0.00	1.00	0.00	8.15	16.77	2.00	0.00	1.00	0.00
8.16	15.69	2.00	0.00	1.00	0.00	8.17	15.15	2.00	0.00	1.00	0.00
8.18	14.71	2.00	0.00	1.00	0.00	8.19	14.07	2.00	0.00	1.00	0.00
8.20	13.85	2.00	0.00	1.00	0.00	8.21	13.31	2.00	0.00	1.00	0.00
8.22	12.98	2.00	0.00	1.00	0.00	8.23	12.44	2.00	0.00	1.00	0.00
8.24	12.01	2.00	0.00	1.00	0.00	8.25	11.79	2.00	0.00	1.00	0.00
8.26	11.68	2.00	0.00	1.00	0.00	8.27	11.67	2.00	0.00	1.00	0.00
8.28	11.88	2.00	0.00	1.00	0.00	8.29	12.08	2.00	0.00	1.00	0.00
8.30	12.18	2.00	0.00	1.00	0.00	8.31	12.39	2.00	0.00	1.00	0.00
8.32	12.70	2.00	0.00	1.00	0.00	8.33	13.12	2.00	0.00	1.00	0.00
8.34	13.54	2.00	0.00	1.00	0.00	8.35	14.06	2.00	0.00	1.00	0.00
8.36	14.06	2.00	0.00	1.00	0.00	8.37	13.94	2.00	0.00	1.00	0.00
8.38	14.04	2.00	0.00	1.00	0.00	8.39	14.14	2.00	0.00	1.00	0.00
8.40	14.66	2.00	0.00	1.00	0.00	8.41	14.55	2.00	0.00	1.00	0.00
8.42	14.33	2.00	0.00	1.00	0.00	8.43	14.22	2.00	0.00	1.00	0.00
8.44	14.21	2.00	0.00	1.00	0.00	8.45	14.21	2.00	0.00	1.00	0.00
8.46	14.09	2.00	0.00	1.00	0.00	8.47	13.66	2.00	0.00	1.00	0.00
8.48	13.03	2.00	0.00	1.00	0.00	8.49	13.02	2.00	0.00	1.00	0.00
8.50	12.91	2.00	0.00	1.00	0.00	8.51	12.80	2.00	0.00	1.00	0.00
8.52	12.89	2.00	0.00	1.00	0.00	8.53	12.99	2.00	0.00	1.00	0.00
8.54	13.41	2.00	0.00	1.00	0.00	8.55	13.40	2.00	0.00	1.00	0.00
8.56	13.81	2.00	0.00	1.00	0.00	8.57	13.70	2.00	0.00	1.00	0.00
8.58	13.70	2.00	0.00	1.00	0.00	8.59	14.00	2.00	0.00	1.00	0.00
8.60	14.42	2.00	0.00	1.00	0.00	8.61	14.72	2.00	0.00	1.00	0.00
8.62	13.98	2.00	0.00	1.00	0.00	8.63	14.08	2.00	0.00	1.00	0.00
8.64	14.39	2.00	0.00	1.00	0.00	8.65	14.59	2.00	0.00	1.00	0.00
8.66	14.58	2.00	0.00	1.00	0.00	8.67	14.06	2.00	0.00	1.00	0.00



:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	13.74	2.00	0.00	1.00	0.00	8.69	14.25	2.00	0.00	1.00	0.00
8.70	14.77	2.00	0.00	1.00	0.00	8.71	15.07	2.00	0.00	1.00	0.00
8.72	15.27	2.00	0.00	1.00	0.00	8.73	15.26	2.00	0.00	1.00	0.00
8.74	15.26	2.00	0.00	1.00	0.00	8.75	15.46	2.00	0.00	1.00	0.00
8.76	15.45	2.00	0.00	1.00	0.00	8.77	15.65	2.00	0.00	1.00	0.00
8.78	16.37	2.00	0.00	1.00	0.00	8.79	17.09	2.00	0.00	1.00	0.00
8.80	17.81	2.00	0.00	1.00	0.00	8.81	75.78	0.27	4.22	1.00	0.04
8.82	76.38	0.27	4.19	1.00	0.04	8.83	76.95	0.27	4.16	1.00	0.04
8.84	77.72	0.28	4.12	1.00	0.04	8.85	78.25	0.28	4.10	1.00	0.04
8.86	78.99	0.28	4.06	1.00	0.04	8.87	78.61	0.28	4.08	1.00	0.04
8.88	79.14	0.28	4.05	1.00	0.04	8.89	20.62	2.00	0.00	1.00	0.00
8.90	20.51	2.00	0.00	1.00	0.00	8.91	20.50	2.00	0.00	1.00	0.00
8.92	76.74	0.27	4.17	1.00	0.04	8.93	78.18	0.28	4.10	1.00	0.04
8.94	79.74	0.28	4.02	1.00	0.04	8.95	81.33	0.29	3.95	1.00	0.04
8.96	84.77	0.30	3.79	1.00	0.04	8.97	86.01	0.30	3.74	1.00	0.04
8.98	87.68	0.30	3.67	1.00	0.04	8.99	89.04	0.31	3.61	1.00	0.04
9.00	90.80	0.31	3.54	1.00	0.04	9.01	98.43	0.34	3.27	1.00	0.03
9.02	99.02	0.35	3.25	1.00	0.03	9.03	99.16	0.35	3.24	1.00	0.03
9.04	98.12	0.34	3.28	1.00	0.03	9.05	96.79	0.34	3.32	1.00	0.03
9.06	88.85	0.31	3.62	1.00	0.04	9.07	25.95	2.00	0.00	1.00	0.00
9.08	22.98	2.00	0.00	1.00	0.00	9.09	21.34	2.00	0.00	1.00	0.00
9.10	20.20	2.00	0.00	1.00	0.00	9.11	19.48	2.00	0.00	1.00	0.00
9.12	19.78	2.00	0.00	1.00	0.00	9.13	21.81	2.00	0.00	1.00	0.00
9.14	80.70	0.28	3.98	1.00	0.04	9.15	82.13	0.29	3.91	1.00	0.04
9.16	81.20	0.29	3.95	1.00	0.04	9.17	22.59	2.00	0.00	1.00	0.00
9.18	21.56	2.00	0.00	1.00	0.00	9.19	20.33	2.00	0.00	1.00	0.00
9.20	18.89	2.00	0.00	1.00	0.00	9.21	16.85	2.00	0.00	1.00	0.00
9.22	16.64	2.00	0.00	1.00	0.00	9.23	16.73	2.00	0.00	1.00	0.00
9.24	16.93	2.00	0.00	1.00	0.00	9.25	17.23	2.00	0.00	1.00	0.00
9.26	18.64	2.00	0.00	1.00	0.00	9.27	77.64	0.28	4.13	1.00	0.04
9.28	80.83	0.28	3.97	1.00	0.04	9.29	84.21	0.29	3.81	1.00	0.04
9.30	87.50	0.30	3.67	1.00	0.04	9.31	91.93	0.32	3.50	1.00	0.03
9.32	93.11	0.32	3.45	1.00	0.03	9.33	95.41	0.33	3.37	1.00	0.03
9.34	97.22	0.34	3.31	1.00	0.03	9.35	100.57	0.35	3.19	1.00	0.03
9.36	102.42	0.36	3.14	1.00	0.03	9.37	103.59	0.37	3.10	1.00	0.03
9.38	103.89	0.37	3.09	1.00	0.03	9.39	99.36	0.35	3.23	1.00	0.03
9.40	96.79	0.34	3.32	1.00	0.03	9.41	32.90	2.00	0.00	1.00	0.00
9.42	29.77	2.00	0.00	1.00	0.00	9.43	24.12	2.00	0.00	1.00	0.00
9.44	22.40	2.00	0.00	1.00	0.00	9.45	21.28	2.00	0.00	1.00	0.00
9.46	20.67	2.00	0.00	1.00	0.00	9.47	20.66	2.00	0.00	1.00	0.00
9.48	20.34	2.00	0.00	1.00	0.00	9.49	19.73	2.00	0.00	1.00	0.00
9.50	19.32	2.00	0.00	1.00	0.00	9.51	18.71	2.00	0.00	1.00	0.00
9.52	17.80	2.00	0.00	1.00	0.00	9.53	16.99	2.00	0.00	1.00	0.00
9.54	16.88	2.00	0.00	1.00	0.00	9.55	16.67	2.00	0.00	1.00	0.00
9.56	16.46	2.00	0.00	1.00	0.00	9.57	16.65	2.00	0.00	1.00	0.00
9.58	17.05	2.00	0.00	1.00	0.00	9.59	16.94	2.00	0.00	1.00	0.00
9.60	17.03	2.00	0.00	1.00	0.00	9.61	16.53	2.00	0.00	1.00	0.00
9.62	16.92	2.00	0.00	1.00	0.00	9.63	17.11	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	17.01	2.00	0.00	1.00	0.00	9.65	17.00	2.00	0.00	1.00	0.00
9.66	17.19	2.00	0.00	1.00	0.00	9.67	16.98	2.00	0.00	1.00	0.00
9.68	16.78	2.00	0.00	1.00	0.00	9.69	16.47	2.00	0.00	1.00	0.00
9.70	16.07	2.00	0.00	1.00	0.00	9.71	16.56	2.00	0.00	1.00	0.00
9.72	17.25	2.00	0.00	1.00	0.00	9.73	18.34	2.00	0.00	1.00	0.00
9.74	19.32	2.00	0.00	1.00	0.00	9.75	20.91	2.00	0.00	1.00	0.00
9.76	21.10	2.00	0.00	1.00	0.00	9.77	20.59	2.00	0.00	1.00	0.00
9.78	20.28	2.00	0.00	1.00	0.00	9.79	19.28	2.00	0.00	1.00	0.00
9.80	18.58	2.00	0.00	1.00	0.00	9.81	17.78	2.00	0.00	1.00	0.00
9.82	16.97	2.00	0.00	1.00	0.00	9.83	16.47	2.00	0.00	1.00	0.00
9.84	16.17	2.00	0.00	1.00	0.00	9.85	16.36	2.00	0.00	1.00	0.00
9.86	16.65	2.00	0.00	1.00	0.00	9.87	16.94	2.00	0.00	1.00	0.00
9.88	17.53	2.00	0.00	1.00	0.00	9.89	17.92	2.00	0.00	1.00	0.00
9.90	18.21	2.00	0.00	1.00	0.00	9.91	18.99	2.00	0.00	1.00	0.00
9.92	75.28	0.27	4.25	1.00	0.04	9.93	74.77	0.27	4.28	1.00	0.04
9.94	80.17	0.28	4.00	1.00	0.04	9.95	79.55	0.28	4.03	1.00	0.04
9.96	22.40	2.00	0.00	1.00	0.00	9.97	21.60	2.00	0.00	1.00	0.00
9.98	20.90	2.00	0.00	1.00	0.00	9.99	20.70	2.00	0.00	1.00	0.00
10.00	20.59	2.00	0.00	1.00	0.00	10.01	19.40	2.00	0.00	1.00	0.00
10.02	19.29	2.00	0.00	1.00	0.00	10.03	19.09	2.00	0.00	1.00	0.00
10.04	18.78	2.00	0.00	1.00	0.00	10.05	18.58	2.00	0.00	1.00	0.00
10.06	18.18	2.00	0.00	1.00	0.00	10.07	17.68	2.00	0.00	1.00	0.00
10.08	16.29	2.00	0.00	1.00	0.00	10.09	15.50	2.00	0.00	1.00	0.00
10.10	14.91	2.00	0.00	1.00	0.00	10.11	14.31	2.00	0.00	1.00	0.00
10.12	13.72	2.00	0.00	1.00	0.00	10.13	12.63	2.00	0.00	1.00	0.00
10.14	12.24	2.00	0.00	1.00	0.00	10.15	12.03	2.00	0.00	1.00	0.00
10.16	12.03	2.00	0.00	1.00	0.00	10.17	11.83	2.00	0.00	1.00	0.00
10.18	12.02	2.00	0.00	1.00	0.00	10.19	12.31	2.00	0.00	1.00	0.00
10.20	12.40	2.00	0.00	1.00	0.00	10.21	12.59	2.00	0.00	1.00	0.00
10.22	13.17	2.00	0.00	1.00	0.00	10.23	13.56	2.00	0.00	1.00	0.00
10.24	14.14	2.00	0.00	1.00	0.00	10.25	71.10	0.26	4.48	1.00	0.04
10.26	72.27	0.27	4.42	1.00	0.04	10.27	74.55	0.27	4.29	1.00	0.04
10.28	77.23	0.28	4.15	1.00	0.04	10.29	80.24	0.29	4.00	1.00	0.04
10.30	81.96	0.29	3.92	1.00	0.04	10.31	82.37	0.29	3.90	1.00	0.04
10.32	81.79	0.29	3.92	1.00	0.04	10.33	81.23	0.29	3.95	1.00	0.04
10.34	19.53	2.00	0.00	1.00	0.00	10.35	17.67	2.00	0.00	1.00	0.00
10.36	15.92	2.00	0.00	1.00	0.00	10.37	15.52	2.00	0.00	1.00	0.00
10.38	15.42	2.00	0.00	1.00	0.00	10.39	15.22	2.00	0.00	1.00	0.00
10.40	15.31	2.00	0.00	1.00	0.00	10.41	15.30	2.00	0.00	1.00	0.00
10.42	14.91	2.00	0.00	1.00	0.00	10.43	15.58	2.00	0.00	1.00	0.00
10.44	16.15	2.00	0.00	1.00	0.00	10.45	16.73	2.00	0.00	1.00	0.00
10.46	17.30	2.00	0.00	1.00	0.00	10.47	19.81	2.00	0.00	1.00	0.00
10.48	77.57	0.28	4.13	1.00	0.04	10.49	78.75	0.28	4.07	1.00	0.04
10.50	79.99	0.29	4.01	1.00	0.04	10.51	80.07	0.29	4.01	1.00	0.04
10.52	80.75	0.29	3.97	1.00	0.04	10.53	80.37	0.29	3.99	1.00	0.04
10.54	76.84	0.28	4.17	1.00	0.04	10.55	77.22	0.28	4.15	1.00	0.04
10.56	77.43	0.28	4.14	1.00	0.04	10.57	77.82	0.28	4.12	1.00	0.04
10.58	77.99	0.28	4.11	1.00	0.04	10.59	78.06	0.28	4.10	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	20.77	2.00	0.00	1.00	0.00	10.61	20.28	2.00	0.00	1.00	0.00
10.62	19.50	2.00	0.00	1.00	0.00	10.63	18.62	2.00	0.00	1.00	0.00
10.64	17.65	2.00	0.00	1.00	0.00	10.65	17.26	2.00	0.00	1.00	0.00
10.66	16.39	2.00	0.00	1.00	0.00	10.67	14.94	2.00	0.00	1.00	0.00
10.68	14.27	2.00	0.00	1.00	0.00	10.69	13.69	2.00	0.00	1.00	0.00
10.70	13.68	2.00	0.00	1.00	0.00	10.71	14.73	2.00	0.00	1.00	0.00
10.72	18.84	2.00	0.00	1.00	0.00	10.73	77.11	0.28	4.15	1.00	0.04
10.74	79.20	0.28	4.05	1.00	0.04	10.75	79.26	0.28	4.04	1.00	0.04
10.76	80.13	0.29	4.00	1.00	0.04	10.77	79.23	0.28	4.05	1.00	0.04
10.78	78.67	0.28	4.07	1.00	0.04	10.79	81.44	0.29	3.94	1.00	0.04
10.80	83.02	0.30	3.87	1.00	0.04	10.81	84.81	0.30	3.79	1.00	0.04
10.82	86.72	0.31	3.71	1.00	0.04	10.83	87.37	0.31	3.68	1.00	0.04
10.84	87.01	0.31	3.69	1.00	0.04	10.85	85.72	0.30	3.75	1.00	0.04
10.86	25.62	2.00	0.00	1.00	0.00	10.87	23.61	2.00	0.00	1.00	0.00
10.88	19.68	2.00	0.00	1.00	0.00	10.89	17.86	2.00	0.00	1.00	0.00
10.90	16.61	2.00	0.00	1.00	0.00	10.91	15.37	2.00	0.00	1.00	0.00
10.92	15.36	2.00	0.00	1.00	0.00	10.93	15.36	2.00	0.00	1.00	0.00
10.94	18.59	2.00	0.00	1.00	0.00	10.95	17.72	2.00	0.00	1.00	0.00
10.96	16.95	2.00	0.00	1.00	0.00	10.97	16.57	2.00	0.00	1.00	0.00
10.98	17.03	2.00	0.00	1.00	0.00	10.99	17.69	2.00	0.00	1.00	0.00
11.00	18.53	2.00	0.00	1.00	0.00	11.01	22.99	2.00	0.00	1.00	0.00
11.02	82.16	0.29	3.91	1.00	0.04	11.03	83.59	0.30	3.84	1.00	0.04
11.04	85.27	0.30	3.77	1.00	0.04	11.05	92.74	0.33	3.47	1.00	0.03
11.06	95.12	0.34	3.38	1.00	0.03	11.07	97.59	0.35	3.29	1.00	0.03
11.08	101.35	0.36	3.17	1.00	0.03	11.09	104.08	0.37	3.08	1.00	0.03
11.10	105.23	0.38	3.05	1.00	0.03	11.11	105.43	0.38	3.04	1.00	0.03
11.12	102.37	0.37	3.14	1.00	0.03	11.13	99.80	0.35	3.22	1.00	0.03
11.14	97.28	0.34	3.30	1.00	0.03	11.15	93.03	0.33	3.46	1.00	0.03
11.16	91.67	0.32	3.51	1.00	0.04	11.17	90.04	0.32	3.57	1.00	0.04
11.18	88.14	0.31	3.65	1.00	0.04	11.19	26.51	2.00	0.00	1.00	0.00
11.20	22.63	2.00	0.00	1.00	0.00	11.21	22.05	2.00	0.00	1.00	0.00
11.22	21.57	2.00	0.00	1.00	0.00	11.23	20.43	2.00	0.00	1.00	0.00
11.24	22.21	2.00	0.00	1.00	0.00	11.25	82.95	0.30	3.87	1.00	0.04
11.26	85.72	0.31	3.75	1.00	0.04	11.27	94.30	0.33	3.41	1.00	0.03
11.28	96.81	0.34	3.32	1.00	0.03	11.29	97.85	0.35	3.29	1.00	0.03
11.30	99.43	0.35	3.23	1.00	0.03	11.31	97.66	0.35	3.29	1.00	0.03
11.32	95.65	0.34	3.36	1.00	0.03	11.33	93.59	0.33	3.44	1.00	0.03
11.34	90.82	0.32	3.54	1.00	0.04	11.35	90.02	0.32	3.57	1.00	0.04
11.36	29.15	2.00	0.00	1.00	0.00	11.37	27.92	2.00	0.00	1.00	0.00
11.38	28.19	2.00	0.00	1.00	0.00	11.39	28.46	2.00	0.00	1.00	0.00
11.40	28.64	2.00	0.00	1.00	0.00	11.41	28.25	2.00	0.00	1.00	0.00
11.42	28.80	2.00	0.00	1.00	0.00	11.43	29.92	2.00	0.00	1.00	0.00
11.44	30.38	2.00	0.00	1.00	0.00	11.45	30.93	2.00	0.00	1.00	0.00
11.46	30.45	2.00	0.00	1.00	0.00	11.47	29.40	2.00	0.00	1.00	0.00
11.48	28.36	2.00	0.00	1.00	0.00	11.49	25.16	2.00	0.00	1.00	0.00
11.50	23.38	2.00	0.00	1.00	0.00	11.51	21.31	2.00	0.00	1.00	0.00
11.52	19.62	2.00	0.00	1.00	0.00	11.53	18.87	2.00	0.00	1.00	0.00
11.54	18.39	2.00	0.00	1.00	0.00	11.55	19.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
11.56	19.86	2.00	0.00	1.00	0.00	11.57	21.90	2.00	0.00	1.00	0.00
11.58	23.66	2.00	0.00	1.00	0.00	11.59	26.07	2.00	0.00	1.00	0.00
11.60	27.64	2.00	0.00	1.00	0.00	11.61	89.71	0.32	3.58	1.00	0.04
11.62	90.38	0.32	3.56	1.00	0.04	11.63	92.20	0.33	3.49	1.00	0.03
11.64	91.90	0.33	3.50	1.00	0.03	11.65	91.88	0.33	3.50	1.00	0.04
11.66	91.68	0.33	3.51	1.00	0.04	11.67	91.81	0.33	3.50	1.00	0.04
11.68	31.38	2.00	0.00	1.00	0.00	11.69	31.37	2.00	0.00	1.00	0.00
11.70	32.39	2.00	0.00	1.00	0.00	11.71	33.59	2.00	0.00	1.00	0.00
11.72	33.76	2.00	0.00	1.00	0.00	11.73	35.24	2.00	0.00	1.00	0.00
11.74	36.82	2.00	0.00	1.00	0.00	11.75	101.69	0.37	3.16	1.00	0.03
11.76	103.78	0.38	3.09	1.00	0.03	11.77	105.54	0.38	3.04	1.00	0.03
11.78	113.19	0.43	2.83	1.00	0.03	11.79	117.55	0.46	2.71	1.00	0.03
11.80	123.66	0.50	2.57	1.00	0.03						

**Total estimated settlement: 17.46**

### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

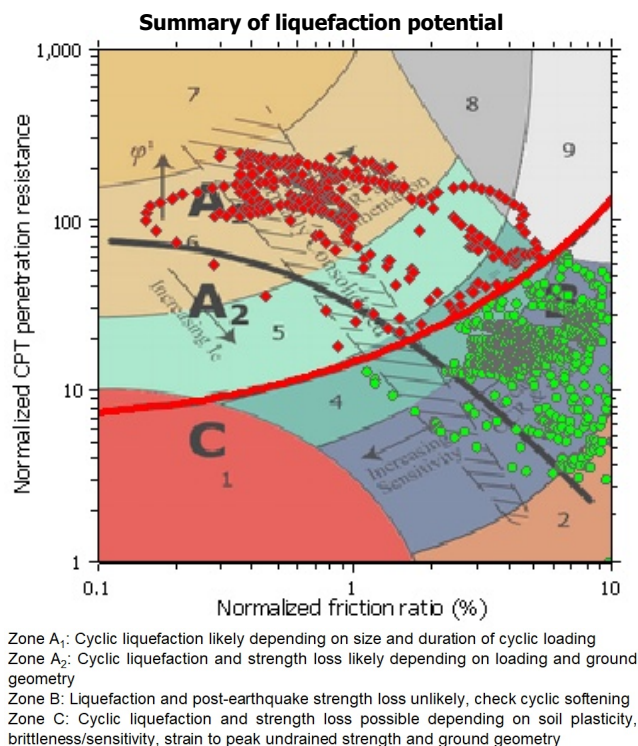
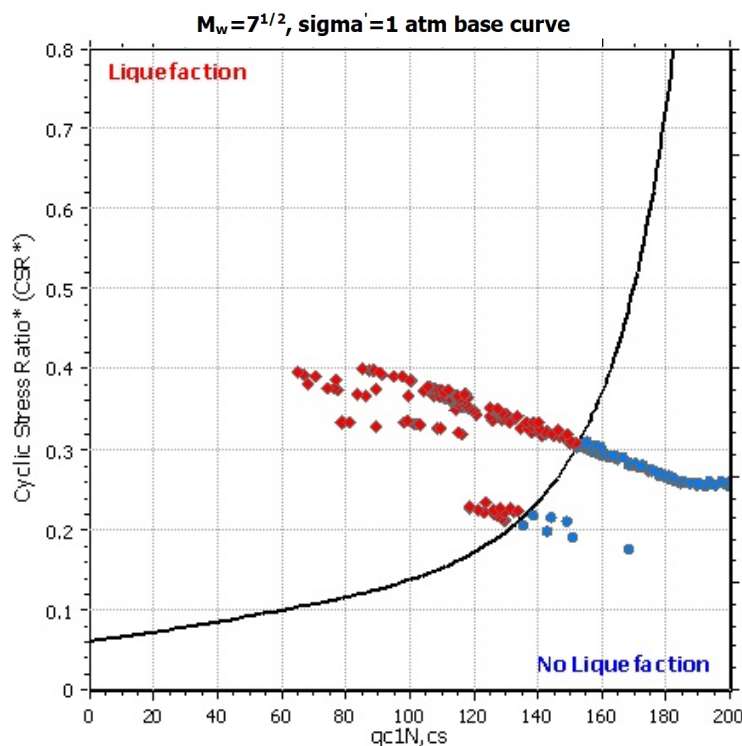
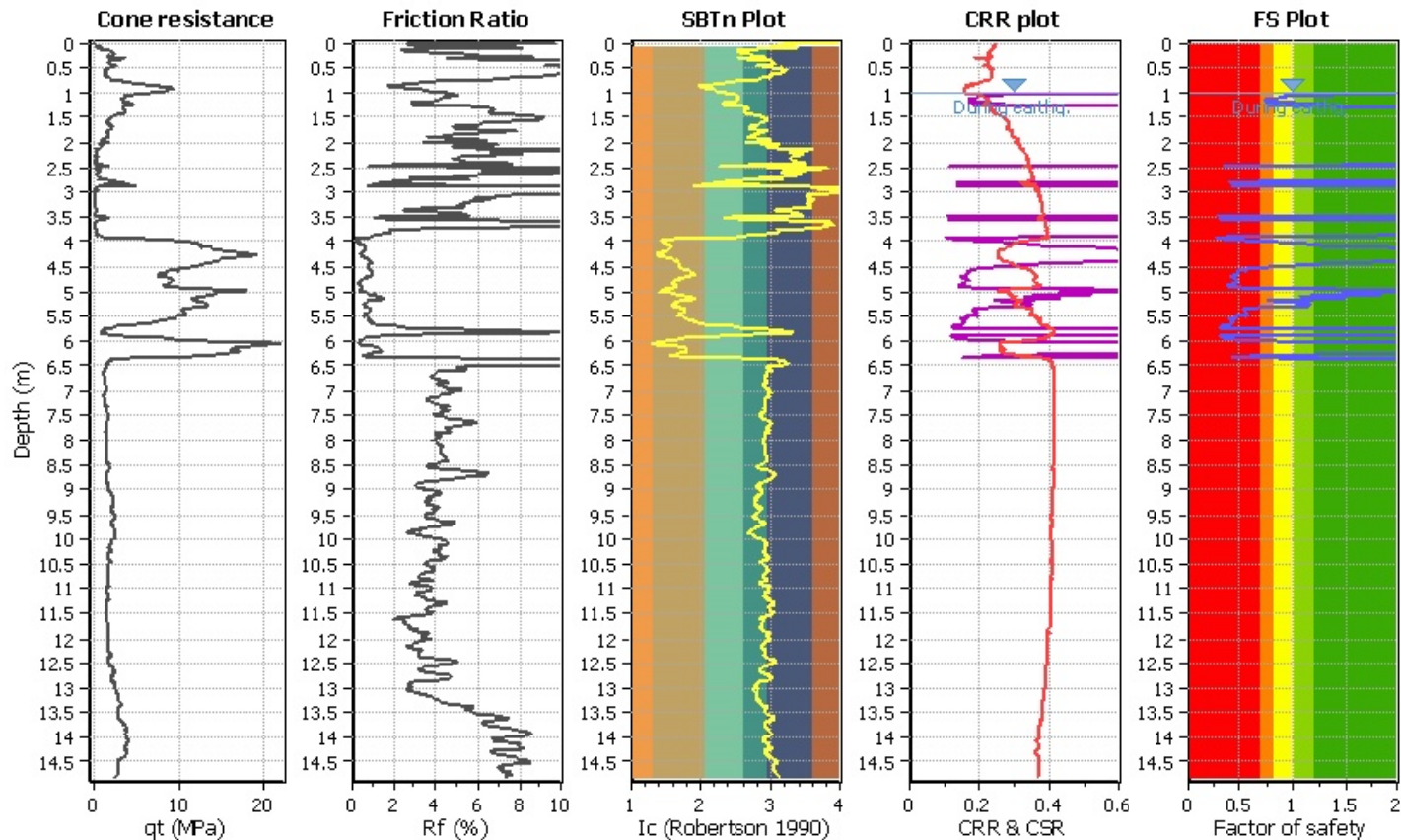
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

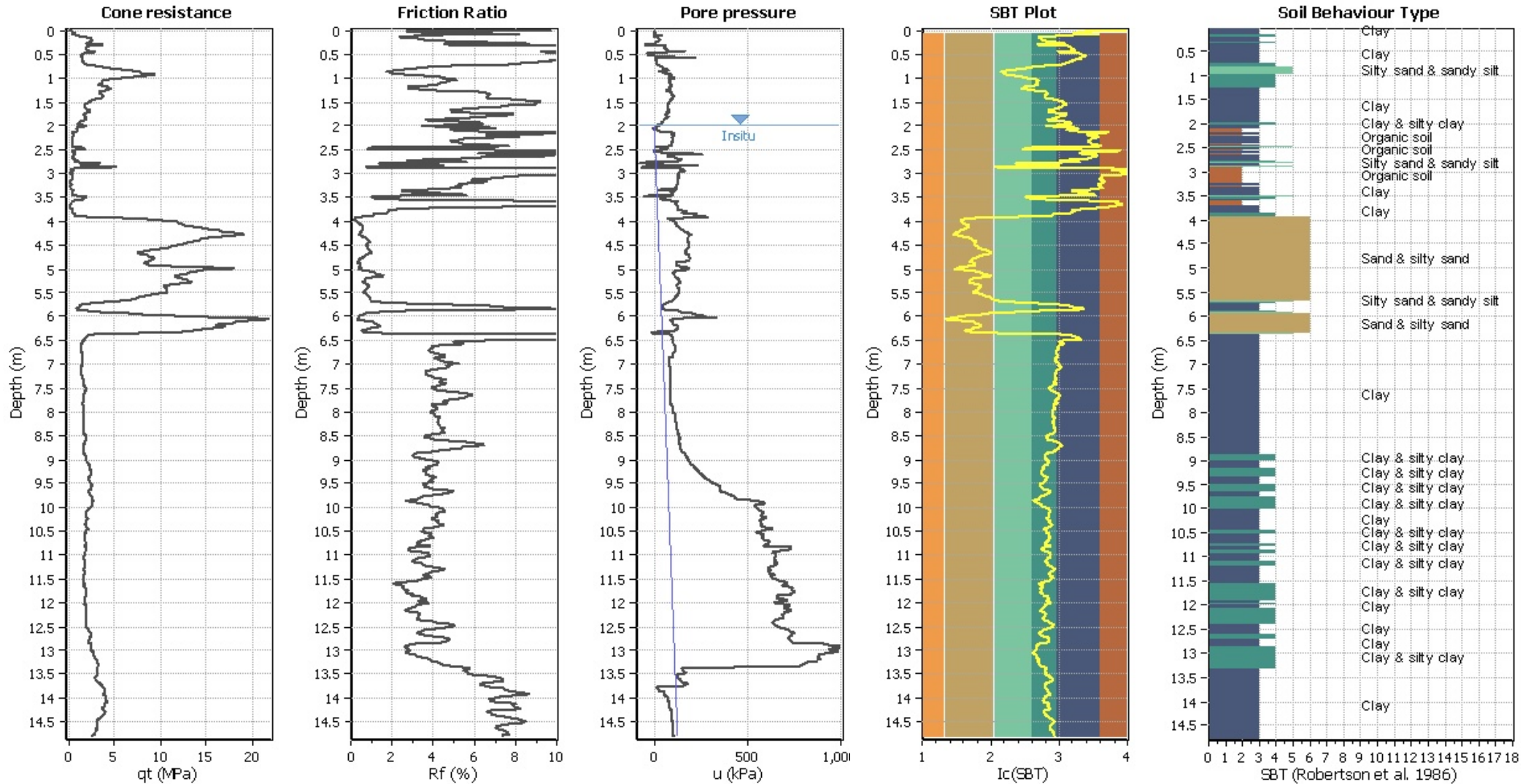
**CPT file : CPTU-02-2017**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_\sigma$ applied:	Yes	MSF method:	Method



### CPT basic interpretation plo



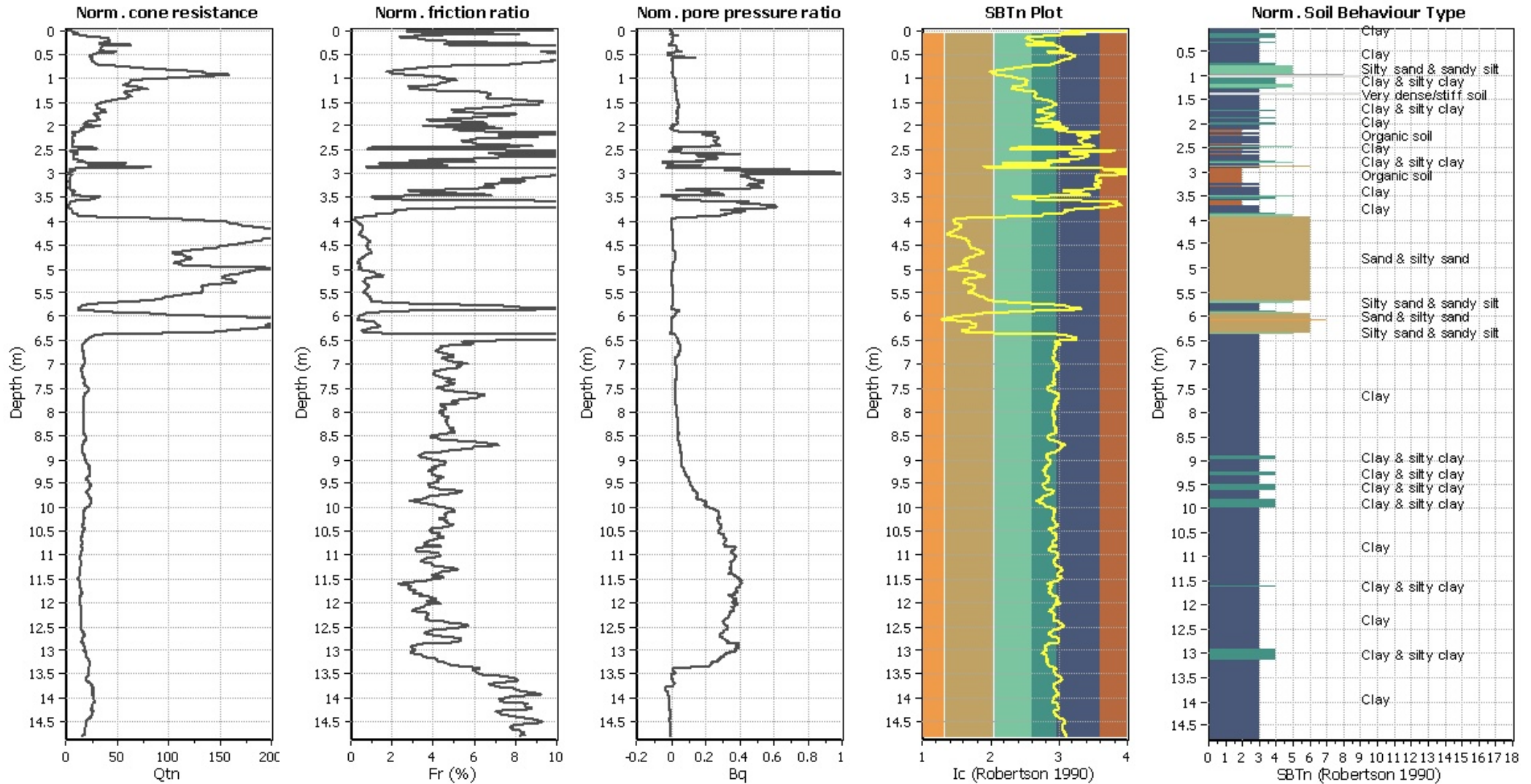
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



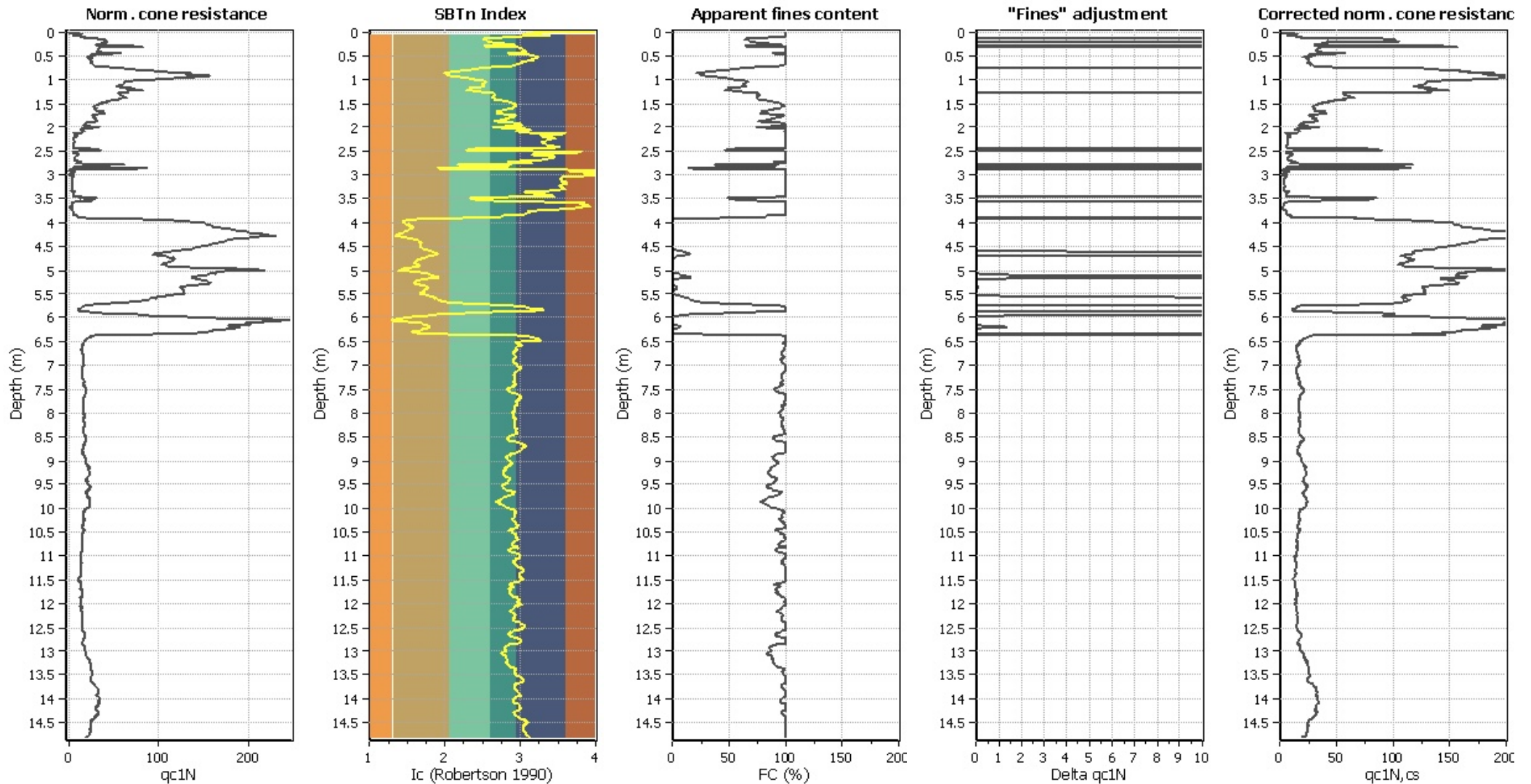
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

### Liquefaction analysis overall plots (intermediate resu

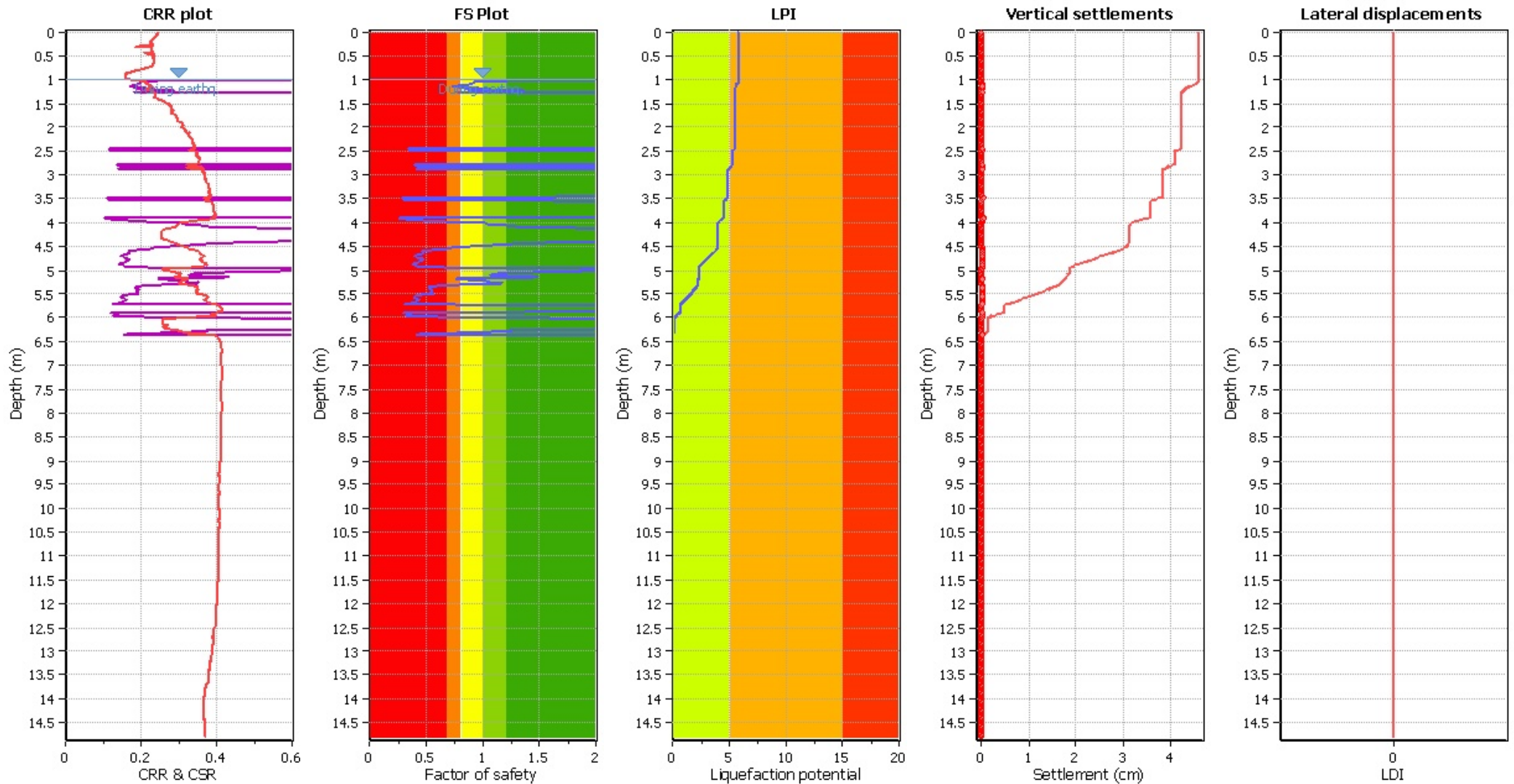


#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

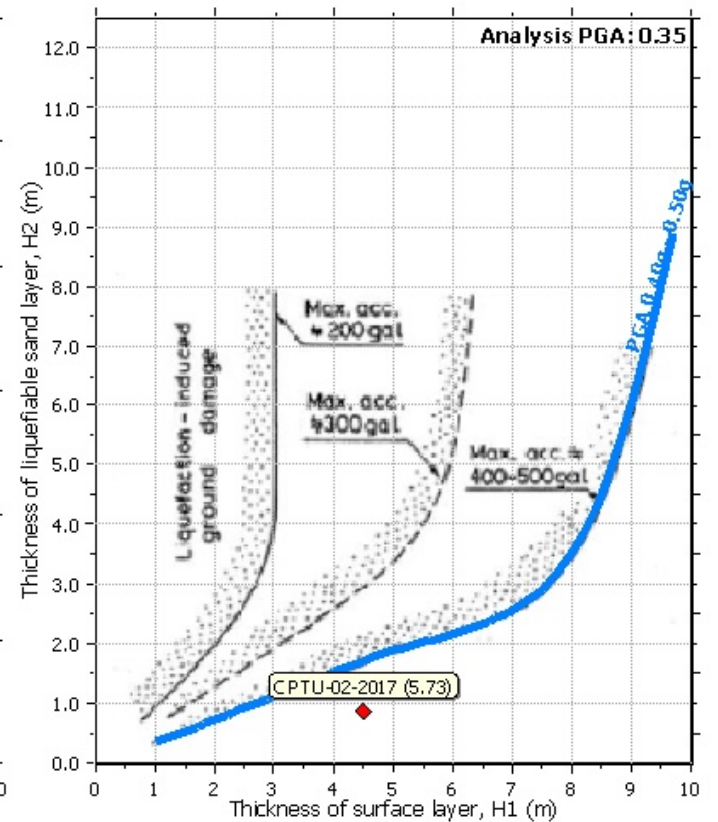
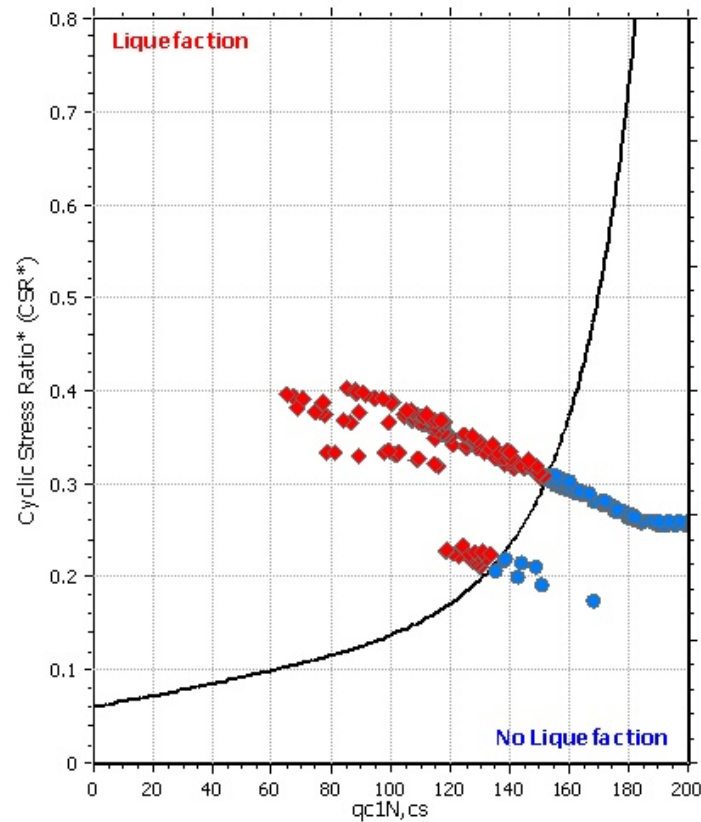
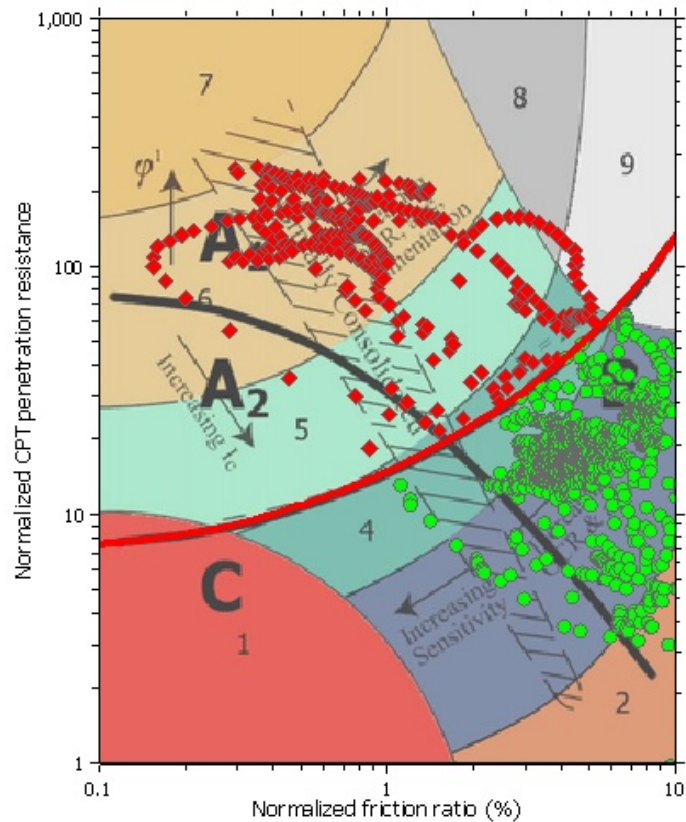
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

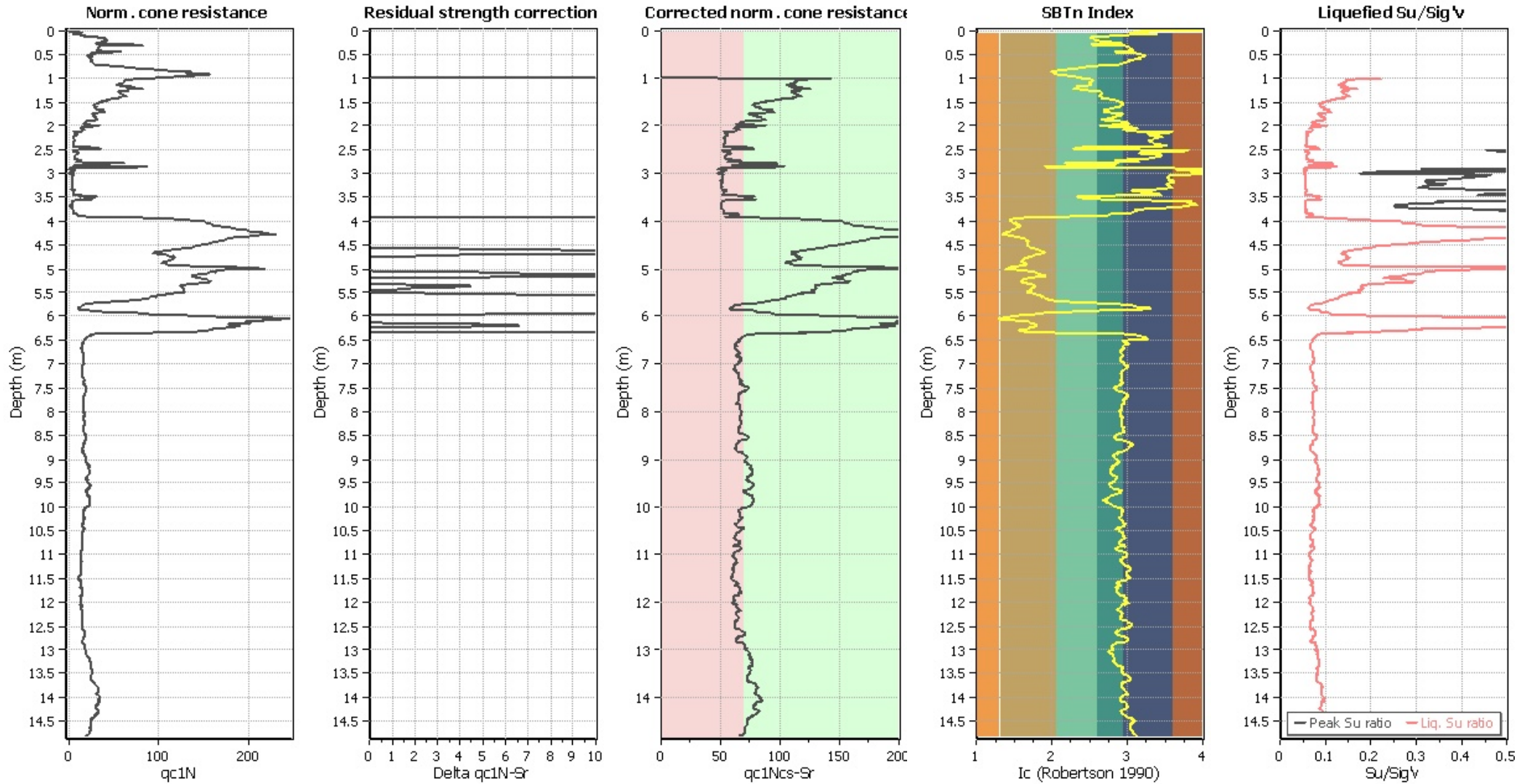
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	1.55	0.00	9.49	0.01	0.00
1.03	1.26	0.00	9.49	0.01	0.00	1.04	1.06	0.00	9.48	0.01	0.00
1.05	0.93	0.07	9.48	0.01	0.01	1.06	0.94	0.06	9.47	0.01	0.01
1.07	0.92	0.08	9.47	0.01	0.01	1.08	0.91	0.09	9.46	0.01	0.01
1.09	0.88	0.12	9.46	0.01	0.01	1.10	0.87	0.13	9.45	0.01	0.01
1.11	0.85	0.15	9.45	0.01	0.01	1.12	0.80	0.20	9.44	0.01	0.02
1.13	0.77	0.23	9.44	0.01	0.02	1.14	0.74	0.26	9.43	0.01	0.02
1.15	0.74	0.26	9.43	0.01	0.02	1.16	0.83	0.17	9.42	0.01	0.02
1.17	0.89	0.11	9.41	0.01	0.01	1.18	0.93	0.07	9.41	0.01	0.01
1.19	1.06	0.00	9.41	0.01	0.00	1.20	0.85	0.15	9.40	0.01	0.01
1.21	1.05	0.00	9.40	0.01	0.00	1.22	1.20	0.00	9.39	0.01	0.00
1.23	1.35	0.00	9.39	0.01	0.00	1.24	0.89	0.11	9.38	0.01	0.01
1.25	0.93	0.07	9.38	0.01	0.01	1.26	0.77	0.23	9.37	0.01	0.02
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	0.34	0.66	8.77	0.01	0.06
2.47	0.38	0.62	8.77	0.01	0.05	2.48	0.35	0.65	8.76	0.01	0.06
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	2.00	0.00	8.63	0.01	0.00
2.75	2.00	0.00	8.63	0.01	0.00	2.76	2.00	0.00	8.62	0.01	0.00
2.77	2.00	0.00	8.62	0.01	0.00	2.78	0.42	0.58	8.61	0.01	0.05
2.79	0.51	0.49	8.61	0.01	0.04	2.80	0.40	0.60	8.60	0.01	0.05
2.81	0.42	0.58	8.60	0.01	0.05	2.82	0.46	0.54	8.59	0.01	0.05
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	0.50	0.50	8.57	0.01	0.04	2.86	0.46	0.54	8.57	0.01	0.05
2.87	0.43	0.57	8.57	0.01	0.05	2.88	0.41	0.59	8.56	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	2.00	0.00	8.54	0.01	0.00
2.93	2.00	0.00	8.54	0.01	0.00	2.94	2.00	0.00	8.53	0.01	0.00
2.95	2.00	0.00	8.53	0.01	0.00	2.96	2.00	0.00	8.52	0.01	0.00
2.97	2.00	0.00	8.52	0.01	0.00	2.98	2.00	0.00	8.51	0.01	0.00
2.99	2.00	0.00	8.51	0.01	0.00	3.00	2.00	0.00	8.50	0.01	0.00
3.01	2.00	0.00	8.49	0.01	0.00	3.02	2.00	0.00	8.49	0.01	0.00
3.03	2.00	0.00	8.49	0.01	0.00	3.04	2.00	0.00	8.48	0.01	0.00
3.05	2.00	0.00	8.48	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	2.00	0.00	8.47	0.01	0.00	3.08	2.00	0.00	8.46	0.01	0.00
3.09	2.00	0.00	8.46	0.01	0.00	3.10	2.00	0.00	8.45	0.01	0.00
3.11	2.00	0.00	8.45	0.01	0.00	3.12	2.00	0.00	8.44	0.01	0.00
3.13	2.00	0.00	8.44	0.01	0.00	3.14	2.00	0.00	8.43	0.01	0.00
3.15	2.00	0.00	8.43	0.01	0.00	3.16	2.00	0.00	8.42	0.01	0.00
3.17	2.00	0.00	8.41	0.01	0.00	3.18	2.00	0.00	8.41	0.01	0.00
3.19	2.00	0.00	8.41	0.01	0.00	3.20	2.00	0.00	8.40	0.01	0.00
3.21	2.00	0.00	8.40	0.01	0.00	3.22	2.00	0.00	8.39	0.01	0.00
3.23	2.00	0.00	8.39	0.01	0.00	3.24	2.00	0.00	8.38	0.01	0.00
3.25	2.00	0.00	8.38	0.01	0.00	3.26	2.00	0.00	8.37	0.01	0.00
3.27	2.00	0.00	8.37	0.01	0.00	3.28	2.00	0.00	8.36	0.01	0.00
3.29	2.00	0.00	8.36	0.01	0.00	3.30	2.00	0.00	8.35	0.01	0.00
3.31	2.00	0.00	8.35	0.01	0.00	3.32	2.00	0.00	8.34	0.01	0.00
3.33	2.00	0.00	8.34	0.01	0.00	3.34	2.00	0.00	8.33	0.01	0.00
3.35	2.00	0.00	8.32	0.01	0.00	3.36	2.00	0.00	8.32	0.01	0.00
3.37	2.00	0.00	8.32	0.01	0.00	3.38	2.00	0.00	8.31	0.01	0.00
3.39	2.00	0.00	8.31	0.01	0.00	3.40	2.00	0.00	8.30	0.01	0.00
3.41	2.00	0.00	8.30	0.01	0.00	3.42	2.00	0.00	8.29	0.01	0.00
3.43	2.00	0.00	8.29	0.01	0.00	3.44	2.00	0.00	8.28	0.01	0.00
3.45	2.00	0.00	8.28	0.01	0.00	3.46	2.00	0.00	8.27	0.01	0.00
3.47	2.00	0.00	8.27	0.01	0.00	3.48	0.28	0.72	8.26	0.01	0.06
3.49	0.33	0.67	8.26	0.01	0.05	3.50	0.32	0.68	8.25	0.01	0.06
3.51	0.30	0.70	8.24	0.01	0.06	3.52	0.30	0.70	8.24	0.01	0.06
3.53	0.29	0.71	8.24	0.01	0.06	3.54	2.00	0.00	8.23	0.01	0.00
3.55	2.00	0.00	8.23	0.01	0.00	3.56	2.00	0.00	8.22	0.01	0.00
3.57	2.00	0.00	8.22	0.01	0.00	3.58	2.00	0.00	8.21	0.01	0.00
3.59	2.00	0.00	8.21	0.01	0.00	3.60	2.00	0.00	8.20	0.01	0.00
3.61	2.00	0.00	8.20	0.01	0.00	3.62	2.00	0.00	8.19	0.01	0.00
3.63	2.00	0.00	8.19	0.01	0.00	3.64	2.00	0.00	8.18	0.01	0.00
3.65	2.00	0.00	8.18	0.01	0.00	3.66	2.00	0.00	8.17	0.01	0.00
3.67	2.00	0.00	8.16	0.01	0.00	3.68	2.00	0.00	8.16	0.01	0.00
3.69	2.00	0.00	8.16	0.01	0.00	3.70	2.00	0.00	8.15	0.01	0.00
3.71	2.00	0.00	8.15	0.01	0.00	3.72	2.00	0.00	8.14	0.01	0.00
3.73	2.00	0.00	8.14	0.01	0.00	3.74	2.00	0.00	8.13	0.01	0.00
3.75	2.00	0.00	8.13	0.01	0.00	3.76	2.00	0.00	8.12	0.01	0.00
3.77	2.00	0.00	8.12	0.01	0.00	3.78	2.00	0.00	8.11	0.01	0.00
3.79	2.00	0.00	8.11	0.01	0.00	3.80	2.00	0.00	8.10	0.01	0.00
3.81	2.00	0.00	8.10	0.01	0.00	3.82	2.00	0.00	8.09	0.01	0.00
3.83	2.00	0.00	8.09	0.01	0.00	3.84	2.00	0.00	8.08	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	8.07	0.01	0.00	3.86	2.00	0.00	8.07	0.01	0.00
3.87	2.00	0.00	8.07	0.01	0.00	3.88	2.00	0.00	8.06	0.01	0.00
3.89	0.27	0.73	8.06	0.01	0.06	3.90	0.26	0.74	8.05	0.01	0.06
3.91	0.28	0.72	8.05	0.01	0.06	3.92	0.29	0.71	8.04	0.01	0.06
3.93	0.33	0.67	8.04	0.01	0.05	3.94	0.37	0.63	8.03	0.01	0.05
3.95	0.46	0.54	8.03	0.01	0.04	3.96	0.50	0.50	8.02	0.01	0.04
3.97	0.55	0.45	8.02	0.01	0.04	3.98	0.65	0.35	8.01	0.01	0.03
3.99	0.71	0.29	8.01	0.01	0.02	4.00	0.76	0.24	8.00	0.01	0.02
4.01	0.95	0.05	8.00	0.01	0.00	4.02	1.01	0.00	7.99	0.01	0.00
4.03	1.04	0.00	7.99	0.01	0.00	4.04	1.11	0.00	7.98	0.01	0.00
4.05	1.16	0.00	7.98	0.01	0.00	4.06	1.22	0.00	7.97	0.01	0.00
4.07	1.26	0.00	7.97	0.01	0.00	4.08	1.27	0.00	7.96	0.01	0.00
4.09	1.31	0.00	7.96	0.01	0.00	4.10	1.38	0.00	7.95	0.01	0.00
4.11	1.71	0.00	7.95	0.01	0.00	4.12	1.93	0.00	7.94	0.01	0.00
4.13	2.00	0.00	7.94	0.01	0.00	4.14	2.00	0.00	7.93	0.01	0.00
4.15	2.00	0.00	7.93	0.01	0.00	4.16	2.00	0.00	7.92	0.01	0.00
4.17	2.00	0.00	7.92	0.01	0.00	4.18	2.00	0.00	7.91	0.01	0.00
4.19	2.00	0.00	7.91	0.01	0.00	4.20	2.00	0.00	7.90	0.01	0.00
4.21	2.00	0.00	7.90	0.01	0.00	4.22	2.00	0.00	7.89	0.01	0.00
4.23	2.00	0.00	7.89	0.01	0.00	4.24	2.00	0.00	7.88	0.01	0.00
4.25	2.00	0.00	7.88	0.01	0.00	4.26	2.00	0.00	7.87	0.01	0.00
4.27	2.00	0.00	7.87	0.01	0.00	4.28	2.00	0.00	7.86	0.01	0.00
4.29	2.00	0.00	7.86	0.01	0.00	4.30	2.00	0.00	7.85	0.01	0.00
4.31	2.00	0.00	7.85	0.01	0.00	4.32	2.00	0.00	7.84	0.01	0.00
4.33	2.00	0.00	7.84	0.01	0.00	4.34	2.00	0.00	7.83	0.01	0.00
4.35	2.00	0.00	7.83	0.01	0.00	4.36	2.00	0.00	7.82	0.01	0.00
4.37	2.00	0.00	7.82	0.01	0.00	4.38	2.00	0.00	7.81	0.01	0.00
4.39	1.99	0.00	7.81	0.01	0.00	4.40	1.87	0.00	7.80	0.01	0.00
4.41	1.74	0.00	7.80	0.01	0.00	4.42	1.49	0.00	7.79	0.01	0.00
4.43	1.40	0.00	7.79	0.01	0.00	4.44	1.33	0.00	7.78	0.01	0.00
4.45	1.22	0.00	7.78	0.01	0.00	4.46	1.17	0.00	7.77	0.01	0.00
4.47	1.12	0.00	7.77	0.01	0.00	4.48	1.05	0.00	7.76	0.01	0.00
4.49	0.96	0.04	7.76	0.01	0.00	4.50	0.91	0.09	7.75	0.01	0.01
4.51	0.82	0.18	7.75	0.01	0.01	4.52	0.77	0.23	7.74	0.01	0.02
4.53	0.73	0.27	7.74	0.01	0.02	4.54	0.68	0.32	7.73	0.01	0.02
4.55	0.60	0.40	7.73	0.01	0.03	4.56	0.57	0.43	7.72	0.01	0.03
4.57	0.54	0.46	7.72	0.01	0.04	4.58	0.49	0.51	7.71	0.01	0.04
4.59	0.48	0.52	7.71	0.01	0.04	4.60	0.48	0.52	7.70	0.01	0.04
4.61	0.46	0.54	7.70	0.01	0.04	4.62	0.47	0.53	7.69	0.01	0.04
4.63	0.47	0.53	7.69	0.01	0.04	4.64	0.48	0.52	7.68	0.01	0.04
4.65	0.47	0.53	7.68	0.01	0.04	4.66	0.47	0.53	7.67	0.01	0.04
4.67	0.45	0.55	7.67	0.01	0.04	4.68	0.44	0.56	7.66	0.01	0.04
4.69	0.42	0.58	7.66	0.01	0.04	4.70	0.40	0.60	7.65	0.01	0.05
4.71	0.40	0.60	7.65	0.01	0.05	4.72	0.41	0.59	7.64	0.01	0.04
4.73	0.43	0.57	7.64	0.01	0.04	4.74	0.45	0.55	7.63	0.01	0.04
4.75	0.46	0.54	7.63	0.01	0.04	4.76	0.46	0.54	7.62	0.01	0.04
4.77	0.47	0.53	7.62	0.01	0.04	4.78	0.47	0.53	7.61	0.01	0.04
4.79	0.47	0.53	7.61	0.01	0.04	4.80	0.46	0.54	7.60	0.01	0.04



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.44	0.56	7.60	0.01	0.04	4.82	0.43	0.57	7.59	0.01	0.04
4.83	0.43	0.57	7.59	0.01	0.04	4.84	0.43	0.57	7.58	0.01	0.04
4.85	0.39	0.61	7.58	0.01	0.05	4.86	0.39	0.61	7.57	0.01	0.05
4.87	0.39	0.61	7.57	0.01	0.05	4.88	0.38	0.62	7.56	0.01	0.05
4.89	0.38	0.62	7.56	0.01	0.05	4.90	0.40	0.60	7.55	0.01	0.05
4.91	0.42	0.58	7.55	0.01	0.04	4.92	0.45	0.55	7.54	0.01	0.04
4.93	0.57	0.43	7.54	0.01	0.03	4.94	0.69	0.31	7.53	0.01	0.02
4.95	1.07	0.00	7.53	0.01	0.00	4.96	2.00	0.00	7.52	0.01	0.00
4.97	2.00	0.00	7.52	0.01	0.00	4.98	2.00	0.00	7.51	0.01	0.00
4.99	2.00	0.00	7.51	0.01	0.00	5.00	2.00	0.00	7.50	0.01	0.00
5.01	2.00	0.00	7.50	0.01	0.00	5.02	2.00	0.00	7.49	0.01	0.00
5.03	1.48	0.00	7.49	0.01	0.00	5.04	1.85	0.00	7.48	0.01	0.00
5.05	1.45	0.00	7.48	0.01	0.00	5.06	1.41	0.00	7.47	0.01	0.00
5.07	1.32	0.00	7.47	0.01	0.00	5.08	1.12	0.00	7.46	0.01	0.00
5.09	1.07	0.00	7.46	0.01	0.00	5.10	1.12	0.00	7.45	0.01	0.00
5.11	1.12	0.00	7.45	0.01	0.00	5.12	1.26	0.00	7.44	0.01	0.00
5.13	1.42	0.00	7.44	0.01	0.00	5.14	1.49	0.00	7.43	0.01	0.00
5.15	1.41	0.00	7.43	0.01	0.00	5.16	0.97	0.03	7.42	0.01	0.00
5.17	0.77	0.23	7.42	0.01	0.02	5.18	0.76	0.24	7.41	0.01	0.02
5.19	0.80	0.20	7.41	0.01	0.02	5.20	0.86	0.14	7.40	0.01	0.01
5.21	0.89	0.11	7.40	0.01	0.01	5.22	0.93	0.07	7.39	0.01	0.01
5.23	1.03	0.00	7.39	0.01	0.00	5.24	1.07	0.00	7.38	0.01	0.00
5.25	1.17	0.00	7.38	0.01	0.00	5.26	1.16	0.00	7.37	0.01	0.00
5.27	1.17	0.00	7.37	0.01	0.00	5.28	1.15	0.00	7.36	0.01	0.00
5.29	1.01	0.00	7.36	0.01	0.00	5.30	0.92	0.08	7.35	0.01	0.01
5.31	0.72	0.28	7.35	0.01	0.02	5.32	0.65	0.35	7.34	0.01	0.03
5.33	0.61	0.39	7.34	0.01	0.03	5.34	0.58	0.42	7.33	0.01	0.03
5.35	0.54	0.46	7.33	0.01	0.03	5.36	0.53	0.47	7.32	0.01	0.03
5.37	0.52	0.48	7.32	0.01	0.03	5.38	0.53	0.47	7.31	0.01	0.03
5.39	0.53	0.47	7.31	0.01	0.03	5.40	0.54	0.46	7.30	0.01	0.03
5.41	0.55	0.45	7.30	0.01	0.03	5.42	0.55	0.45	7.29	0.01	0.03
5.43	0.55	0.45	7.29	0.01	0.03	5.44	0.55	0.45	7.28	0.01	0.03
5.45	0.55	0.45	7.28	0.01	0.03	5.46	0.54	0.46	7.27	0.01	0.03
5.47	0.55	0.45	7.27	0.01	0.03	5.48	0.55	0.45	7.26	0.01	0.03
5.49	0.56	0.44	7.26	0.01	0.03	5.50	0.52	0.48	7.25	0.01	0.03
5.51	0.46	0.54	7.25	0.01	0.04	5.52	0.45	0.55	7.24	0.01	0.04
5.53	0.43	0.57	7.24	0.01	0.04	5.54	0.41	0.59	7.23	0.01	0.04
5.55	0.40	0.60	7.23	0.01	0.04	5.56	0.40	0.60	7.22	0.01	0.04
5.57	0.39	0.61	7.22	0.01	0.04	5.58	0.40	0.60	7.21	0.01	0.04
5.59	0.41	0.59	7.21	0.01	0.04	5.60	0.41	0.59	7.20	0.01	0.04
5.61	0.43	0.57	7.20	0.01	0.04	5.62	0.44	0.56	7.19	0.01	0.04
5.63	0.44	0.56	7.19	0.01	0.04	5.64	0.41	0.59	7.18	0.01	0.04
5.65	0.41	0.59	7.18	0.01	0.04	5.66	0.41	0.59	7.17	0.01	0.04
5.67	0.39	0.61	7.17	0.01	0.04	5.68	0.39	0.61	7.16	0.01	0.04
5.69	0.38	0.62	7.16	0.01	0.04	5.70	0.33	0.67	7.15	0.01	0.05
5.71	0.32	0.68	7.15	0.01	0.05	5.72	0.31	0.69	7.14	0.01	0.05
5.73	2.00	0.00	7.14	0.01	0.00	5.74	2.00	0.00	7.13	0.01	0.00
5.75	2.00	0.00	7.13	0.01	0.00	5.76	2.00	0.00	7.12	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	2.00	0.00	7.12	0.01	0.00	5.78	2.00	0.00	7.11	0.01	0.00
5.79	2.00	0.00	7.11	0.01	0.00	5.80	2.00	0.00	7.10	0.01	0.00
5.81	2.00	0.00	7.10	0.01	0.00	5.82	2.00	0.00	7.09	0.01	0.00
5.83	2.00	0.00	7.09	0.01	0.00	5.84	2.00	0.00	7.08	0.01	0.00
5.85	2.00	0.00	7.08	0.01	0.00	5.86	2.00	0.00	7.07	0.01	0.00
5.87	2.00	0.00	7.07	0.01	0.00	5.88	2.00	0.00	7.06	0.01	0.00
5.89	0.30	0.70	7.06	0.01	0.05	5.90	0.31	0.69	7.05	0.01	0.05
5.91	0.31	0.69	7.05	0.01	0.05	5.92	0.36	0.64	7.04	0.01	0.05
5.93	0.36	0.64	7.04	0.01	0.05	5.94	0.34	0.66	7.03	0.01	0.05
5.95	0.32	0.68	7.03	0.01	0.05	5.96	0.46	0.54	7.02	0.01	0.04
5.97	0.54	0.46	7.02	0.01	0.03	5.98	0.61	0.39	7.01	0.01	0.03
5.99	0.69	0.31	7.01	0.01	0.02	6.00	0.89	0.11	7.00	0.01	0.01
6.01	2.00	0.00	7.00	0.01	0.00	6.02	2.00	0.00	6.99	0.01	0.00
6.03	2.00	0.00	6.99	0.01	0.00	6.04	2.00	0.00	6.98	0.01	0.00
6.05	2.00	0.00	6.98	0.01	0.00	6.06	2.00	0.00	6.97	0.01	0.00
6.07	2.00	0.00	6.97	0.01	0.00	6.08	2.00	0.00	6.96	0.01	0.00
6.09	2.00	0.00	6.96	0.01	0.00	6.10	2.00	0.00	6.95	0.01	0.00
6.11	2.00	0.00	6.95	0.01	0.00	6.12	2.00	0.00	6.94	0.01	0.00
6.13	2.00	0.00	6.94	0.01	0.00	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	1.95	0.00	6.88	0.01	0.00	6.26	1.58	0.00	6.87	0.01	0.00
6.27	1.24	0.00	6.87	0.01	0.00	6.28	1.18	0.00	6.86	0.01	0.00
6.29	1.24	0.00	6.86	0.01	0.00	6.30	1.07	0.00	6.85	0.01	0.00
6.31	0.70	0.30	6.85	0.01	0.02	6.32	0.45	0.55	6.84	0.01	0.04
6.33	0.45	0.55	6.84	0.01	0.04	6.34	0.82	0.18	6.83	0.01	0.01
6.35	0.41	0.59	6.83	0.01	0.04	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00
13.81	2.00	0.00	3.10	0.01	0.00	13.82	2.00	0.00	3.09	0.01	0.00
13.83	2.00	0.00	3.09	0.01	0.00	13.84	2.00	0.00	3.08	0.01	0.00
13.85	2.00	0.00	3.08	0.01	0.00	13.86	2.00	0.00	3.07	0.01	0.00
13.87	2.00	0.00	3.07	0.01	0.00	13.88	2.00	0.00	3.06	0.01	0.00
13.89	2.00	0.00	3.06	0.01	0.00	13.90	2.00	0.00	3.05	0.01	0.00
13.91	2.00	0.00	3.05	0.01	0.00	13.92	2.00	0.00	3.04	0.01	0.00
13.93	2.00	0.00	3.04	0.01	0.00	13.94	2.00	0.00	3.03	0.01	0.00
13.95	2.00	0.00	3.03	0.01	0.00	13.96	2.00	0.00	3.02	0.01	0.00
13.97	2.00	0.00	3.02	0.01	0.00	13.98	2.00	0.00	3.01	0.01	0.00
13.99	2.00	0.00	3.01	0.01	0.00	14.00	2.00	0.00	3.00	0.01	0.00
14.01	2.00	0.00	3.00	0.01	0.00	14.02	2.00	0.00	2.99	0.01	0.00
14.03	2.00	0.00	2.99	0.01	0.00	14.04	2.00	0.00	2.98	0.01	0.00
14.05	2.00	0.00	2.98	0.01	0.00	14.06	2.00	0.00	2.97	0.01	0.00
14.07	2.00	0.00	2.97	0.01	0.00	14.08	2.00	0.00	2.96	0.01	0.00
14.09	2.00	0.00	2.96	0.01	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.11	2.00	0.00	2.95	0.01	0.00	14.12	2.00	0.00	2.94	0.01	0.00
14.13	2.00	0.00	2.94	0.01	0.00	14.14	2.00	0.00	2.93	0.01	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.16	2.00	0.00	2.92	0.01	0.00
14.17	2.00	0.00	2.92	0.01	0.00	14.18	2.00	0.00	2.91	0.01	0.00
14.19	2.00	0.00	2.91	0.01	0.00	14.20	2.00	0.00	2.90	0.01	0.00
14.21	2.00	0.00	2.90	0.01	0.00	14.22	2.00	0.00	2.89	0.01	0.00
14.23	2.00	0.00	2.89	0.01	0.00	14.24	2.00	0.00	2.88	0.01	0.00
14.25	2.00	0.00	2.88	0.01	0.00	14.26	2.00	0.00	2.87	0.01	0.00
14.27	2.00	0.00	2.87	0.01	0.00	14.28	2.00	0.00	2.86	0.01	0.00
14.29	2.00	0.00	2.86	0.01	0.00	14.30	2.00	0.00	2.85	0.01	0.00
14.31	2.00	0.00	2.85	0.01	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.33	2.00	0.00	2.84	0.01	0.00	14.34	2.00	0.00	2.83	0.01	0.00
14.35	2.00	0.00	2.83	0.01	0.00	14.36	2.00	0.00	2.82	0.01	0.00
14.37	2.00	0.00	2.82	0.01	0.00	14.38	2.00	0.00	2.81	0.01	0.00
14.39	2.00	0.00	2.81	0.01	0.00	14.40	2.00	0.00	2.80	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
14.41	2.00	0.00	2.80	0.01	0.00	14.42	2.00	0.00	2.79	0.01	0.00
14.43	2.00	0.00	2.79	0.01	0.00	14.44	2.00	0.00	2.78	0.01	0.00
14.45	2.00	0.00	2.78	0.01	0.00	14.46	2.00	0.00	2.77	0.01	0.00
14.47	2.00	0.00	2.77	0.01	0.00	14.48	2.00	0.00	2.76	0.01	0.00
14.49	2.00	0.00	2.76	0.01	0.00	14.50	2.00	0.00	2.75	0.01	0.00
14.51	2.00	0.00	2.75	0.01	0.00	14.52	2.00	0.00	2.74	0.01	0.00
14.53	2.00	0.00	2.74	0.01	0.00	14.54	2.00	0.00	2.73	0.01	0.00
14.55	2.00	0.00	2.73	0.01	0.00	14.56	2.00	0.00	2.72	0.01	0.00
14.57	2.00	0.00	2.72	0.01	0.00	14.58	2.00	0.00	2.71	0.01	0.00
14.59	2.00	0.00	2.71	0.01	0.00	14.60	2.00	0.00	2.70	0.01	0.00
14.61	2.00	0.00	2.70	0.01	0.00	14.62	2.00	0.00	2.69	0.01	0.00
14.63	2.00	0.00	2.69	0.01	0.00	14.64	2.00	0.00	2.68	0.01	0.00
14.65	2.00	0.00	2.67	0.01	0.00	14.66	2.00	0.00	2.67	0.01	0.00
14.67	2.00	0.00	2.67	0.01	0.00	14.68	2.00	0.00	2.66	0.01	0.00
14.69	2.00	0.00	2.65	0.01	0.00	14.70	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.01	0.00	14.72	2.00	0.00	2.64	0.01	0.00
14.73	2.00	0.00	2.63	0.01	0.00	14.74	2.00	0.00	2.63	0.01	0.00
14.75	2.00	0.00	2.63	0.01	0.00	14.76	2.00	0.00	2.62	0.01	0.00
14.77	2.00	0.00	2.62	0.01	0.00	14.78	2.00	0.00	2.61	0.01	0.00
14.79	2.00	0.00	2.61	0.01	0.00	14.80	2.00	0.00	2.60	0.01	0.00

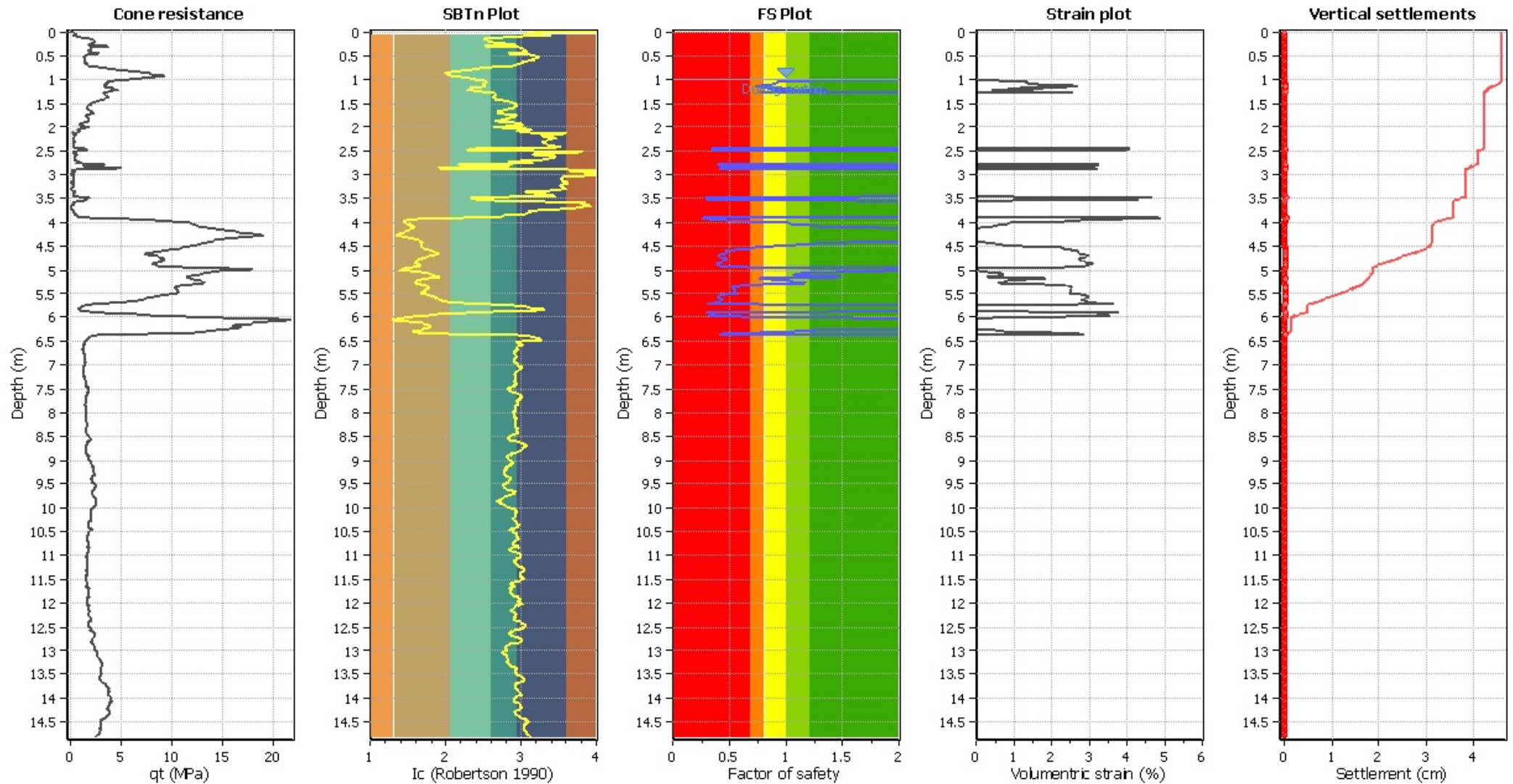
**Overall liquefaction potential: 5.73**

LPI = 0.00 - Liquefaction risk very low  
 LPI between 0.00 and 5.00 - Liquefaction risk low  
 LPI between 5.00 and 15.00 - Liquefaction risk high  
 LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point  
 F<sub>L</sub>: 1 - FS  
 w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
 d<sub>z</sub>: Layer thickness (m)  
 LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	170.33	2.00	0.00	1.00	0.00	1.01	168.48	2.00	0.00	1.00	0.00
1.02	151.01	1.55	0.23	1.00	0.00	1.03	143.06	1.26	0.51	1.00	0.01
1.04	135.73	1.06	0.87	1.00	0.01	1.05	129.43	0.93	1.34	1.00	0.01
1.06	130.18	0.94	1.29	1.00	0.01	1.07	129.22	0.92	1.40	1.00	0.01
1.08	128.83	0.91	1.46	1.00	0.01	1.09	127.80	0.88	1.60	1.00	0.02
1.10	127.44	0.87	1.66	1.00	0.02	1.11	125.96	0.85	1.90	1.00	0.02
1.12	122.90	0.80	2.56	1.00	0.03	1.13	121.10	0.77	2.63	1.00	0.03
1.14	118.83	0.74	2.68	1.00	0.03	1.15	118.58	0.74	2.69	1.00	0.03
1.16	126.24	0.83	1.99	1.00	0.02	1.17	129.67	0.89	1.54	1.00	0.02
1.18	132.21	0.93	1.30	1.00	0.01	1.19	138.58	1.06	0.85	1.00	0.01
1.20	128.23	0.85	1.78	1.00	0.02	1.21	138.59	1.05	0.87	1.00	0.01
1.22	144.22	1.20	0.59	1.00	0.01	1.23	149.17	1.35	0.40	1.00	0.00
1.24	131.16	0.89	1.49	1.00	0.01	1.25	133.86	0.93	1.25	1.00	0.01
1.26	123.96	0.77	2.56	1.00	0.03	1.27	56.37	2.00	0.00	1.00	0.00
1.28	56.71	2.00	0.00	1.00	0.00	1.29	55.70	2.00	0.00	1.00	0.00
1.30	59.06	2.00	0.00	1.00	0.00	1.31	56.88	2.00	0.00	1.00	0.00
1.32	57.04	2.00	0.00	1.00	0.00	1.33	58.05	2.00	0.00	1.00	0.00
1.34	60.90	2.00	0.00	1.00	0.00	1.35	61.24	2.00	0.00	1.00	0.00
1.36	61.41	2.00	0.00	1.00	0.00	1.37	61.74	2.00	0.00	1.00	0.00
1.38	64.76	2.00	0.00	1.00	0.00	1.39	60.23	2.00	0.00	1.00	0.00
1.40	55.53	2.00	0.00	1.00	0.00	1.41	57.55	2.00	0.00	1.00	0.00
1.42	50.00	2.00	0.00	1.00	0.00	1.43	46.31	2.00	0.00	1.00	0.00
1.44	47.98	2.00	0.00	1.00	0.00	1.45	42.78	2.00	0.00	1.00	0.00
1.46	43.62	2.00	0.00	1.00	0.00	1.47	37.92	2.00	0.00	1.00	0.00
1.48	37.75	2.00	0.00	1.00	0.00	1.49	37.41	2.00	0.00	1.00	0.00
1.50	34.73	2.00	0.00	1.00	0.00	1.51	33.89	2.00	0.00	1.00	0.00
1.52	33.05	2.00	0.00	1.00	0.00	1.53	31.71	2.00	0.00	1.00	0.00
1.54	30.37	2.00	0.00	1.00	0.00	1.55	29.86	2.00	0.00	1.00	0.00
1.56	28.35	2.00	0.00	1.00	0.00	1.57	28.69	2.00	0.00	1.00	0.00
1.58	28.69	2.00	0.00	1.00	0.00	1.59	28.86	2.00	0.00	1.00	0.00
1.60	28.86	2.00	0.00	1.00	0.00	1.61	31.21	2.00	0.00	1.00	0.00
1.62	30.20	2.00	0.00	1.00	0.00	1.63	28.86	2.00	0.00	1.00	0.00
1.64	31.21	2.00	0.00	1.00	0.00	1.65	31.37	2.00	0.00	1.00	0.00
1.66	39.93	2.00	0.00	1.00	0.00	1.67	36.41	2.00	0.00	1.00	0.00
1.68	35.74	2.00	0.00	1.00	0.00	1.69	35.40	2.00	0.00	1.00	0.00
1.70	38.42	2.00	0.00	1.00	0.00	1.71	41.27	2.00	0.00	1.00	0.00
1.72	35.23	2.00	0.00	1.00	0.00	1.73	35.07	2.00	0.00	1.00	0.00
1.74	30.03	2.00	0.00	1.00	0.00	1.75	26.68	2.00	0.00	1.00	0.00
1.76	25.67	2.00	0.00	1.00	0.00	1.77	28.19	2.00	0.00	1.00	0.00
1.78	29.36	2.00	0.00	1.00	0.00	1.79	28.69	2.00	0.00	1.00	0.00
1.80	28.52	2.00	0.00	1.00	0.00	1.81	31.71	2.00	0.00	1.00	0.00
1.82	31.21	2.00	0.00	1.00	0.00	1.83	31.21	2.00	0.00	1.00	0.00
1.84	31.21	2.00	0.00	1.00	0.00	1.85	30.54	2.00	0.00	1.00	0.00
1.86	31.37	2.00	0.00	1.00	0.00	1.87	33.39	2.00	0.00	1.00	0.00
1.88	32.55	2.00	0.00	1.00	0.00	1.89	25.50	2.00	0.00	1.00	0.00
1.90	22.82	2.00	0.00	1.00	0.00	1.91	20.47	2.00	0.00	1.00	0.00
1.92	20.47	2.00	0.00	1.00	0.00	1.93	18.46	2.00	0.00	1.00	0.00
1.94	18.29	2.00	0.00	1.00	0.00	1.95	17.28	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	16.78	2.00	0.00	1.00	0.00	1.97	18.29	2.00	0.00	1.00	0.00
1.98	28.63	2.00	0.00	1.00	0.00	1.99	34.09	2.00	0.00	1.00	0.00
2.00	32.01	2.00	0.00	1.00	0.00	2.01	22.45	2.00	0.00	1.00	0.00
2.02	19.97	2.00	0.00	1.00	0.00	2.03	15.77	2.00	0.00	1.00	0.00
2.04	14.76	2.00	0.00	1.00	0.00	2.05	13.42	2.00	0.00	1.00	0.00
2.06	13.93	2.00	0.00	1.00	0.00	2.07	18.46	2.00	0.00	1.00	0.00
2.08	17.62	2.00	0.00	1.00	0.00	2.09	17.28	2.00	0.00	1.00	0.00
2.10	14.76	2.00	0.00	1.00	0.00	2.11	5.87	2.00	0.00	1.00	0.00
2.12	5.54	2.00	0.00	1.00	0.00	2.13	6.21	2.00	0.00	1.00	0.00
2.14	6.71	2.00	0.00	1.00	0.00	2.15	6.38	2.00	0.00	1.00	0.00
2.16	7.21	2.00	0.00	1.00	0.00	2.17	9.06	2.00	0.00	1.00	0.00
2.18	9.56	2.00	0.00	1.00	0.00	2.19	8.22	2.00	0.00	1.00	0.00
2.20	7.89	2.00	0.00	1.00	0.00	2.21	8.89	2.00	0.00	1.00	0.00
2.22	6.21	2.00	0.00	1.00	0.00	2.23	6.04	2.00	0.00	1.00	0.00
2.24	6.04	2.00	0.00	1.00	0.00	2.25	5.87	2.00	0.00	1.00	0.00
2.26	5.87	2.00	0.00	1.00	0.00	2.27	5.87	2.00	0.00	1.00	0.00
2.28	6.04	2.00	0.00	1.00	0.00	2.29	6.21	2.00	0.00	1.00	0.00
2.30	6.54	2.00	0.00	1.00	0.00	2.31	6.54	2.00	0.00	1.00	0.00
2.32	6.71	2.00	0.00	1.00	0.00	2.33	6.54	2.00	0.00	1.00	0.00
2.34	6.04	2.00	0.00	1.00	0.00	2.35	6.04	2.00	0.00	1.00	0.00
2.36	6.04	2.00	0.00	1.00	0.00	2.37	6.04	2.00	0.00	1.00	0.00
2.38	5.87	2.00	0.00	1.00	0.00	2.39	5.70	2.00	0.00	1.00	0.00
2.40	5.54	2.00	0.00	1.00	0.00	2.41	5.37	2.00	0.00	1.00	0.00
2.42	4.87	2.00	0.00	1.00	0.00	2.43	5.20	2.00	0.00	1.00	0.00
2.44	5.87	2.00	0.00	1.00	0.00	2.45	13.24	2.00	0.00	1.00	0.00
2.46	78.63	0.34	4.08	1.00	0.04	2.47	89.49	0.38	3.59	1.00	0.04
2.48	81.06	0.35	3.96	1.00	0.04	2.49	15.05	2.00	0.00	1.00	0.00
2.50	9.48	2.00	0.00	1.00	0.00	2.51	6.04	2.00	0.00	1.00	0.00
2.52	4.53	2.00	0.00	1.00	0.00	2.53	5.03	2.00	0.00	1.00	0.00
2.54	7.18	2.00	0.00	1.00	0.00	2.55	9.91	2.00	0.00	1.00	0.00
2.56	9.74	2.00	0.00	1.00	0.00	2.57	10.37	2.00	0.00	1.00	0.00
2.58	11.63	2.00	0.00	1.00	0.00	2.59	10.03	2.00	0.00	1.00	0.00
2.60	7.78	2.00	0.00	1.00	0.00	2.61	8.10	2.00	0.00	1.00	0.00
2.62	7.28	2.00	0.00	1.00	0.00	2.63	6.63	2.00	0.00	1.00	0.00
2.64	6.62	2.00	0.00	1.00	0.00	2.65	6.46	2.00	0.00	1.00	0.00
2.66	6.45	2.00	0.00	1.00	0.00	2.67	6.61	2.00	0.00	1.00	0.00
2.68	7.24	2.00	0.00	1.00	0.00	2.69	7.40	2.00	0.00	1.00	0.00
2.70	7.71	2.00	0.00	1.00	0.00	2.71	14.59	2.00	0.00	1.00	0.00
2.72	14.60	2.00	0.00	1.00	0.00	2.73	13.94	2.00	0.00	1.00	0.00
2.74	9.11	2.00	0.00	1.00	0.00	2.75	9.10	2.00	0.00	1.00	0.00
2.76	13.75	2.00	0.00	1.00	0.00	2.77	24.62	2.00	0.00	1.00	0.00
2.78	101.32	0.42	3.17	1.00	0.03	2.79	116.08	0.51	2.75	1.00	0.03
2.80	97.85	0.40	3.28	1.00	0.03	2.81	102.21	0.42	3.14	1.00	0.03
2.82	108.74	0.46	2.95	1.00	0.03	2.83	8.41	2.00	0.00	1.00	0.00
2.84	5.26	2.00	0.00	1.00	0.00	2.85	114.93	0.50	2.78	1.00	0.03
2.86	109.43	0.46	2.93	1.00	0.03	2.87	102.93	0.43	3.12	1.00	0.03
2.88	99.42	0.41	3.23	1.00	0.03	2.89	3.75	2.00	0.00	1.00	0.00
2.90	0.49	2.00	0.00	1.00	0.00	2.91	4.86	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	7.54	2.00	0.00	1.00	0.00	2.93	7.69	2.00	0.00	1.00	0.00
2.94	7.05	2.00	0.00	1.00	0.00	2.95	6.26	2.00	0.00	1.00	0.00
2.96	4.99	2.00	0.00	1.00	0.00	2.97	3.08	2.00	0.00	1.00	0.00
2.98	2.43	2.00	0.00	1.00	0.00	2.99	0.81	2.00	0.00	1.00	0.00
3.00	2.11	2.00	0.00	1.00	0.00	3.01	4.65	2.00	0.00	1.00	0.00
3.02	4.80	2.00	0.00	1.00	0.00	3.03	4.33	2.00	0.00	1.00	0.00
3.04	5.11	2.00	0.00	1.00	0.00	3.05	4.79	2.00	0.00	1.00	0.00
3.06	4.16	2.00	0.00	1.00	0.00	3.07	4.15	2.00	0.00	1.00	0.00
3.08	4.31	2.00	0.00	1.00	0.00	3.09	4.46	2.00	0.00	1.00	0.00
3.10	4.46	2.00	0.00	1.00	0.00	3.11	3.67	2.00	0.00	1.00	0.00
3.12	3.82	2.00	0.00	1.00	0.00	3.13	4.13	2.00	0.00	1.00	0.00
3.14	3.66	2.00	0.00	1.00	0.00	3.15	3.50	2.00	0.00	1.00	0.00
3.16	3.34	2.00	0.00	1.00	0.00	3.17	3.34	2.00	0.00	1.00	0.00
3.18	3.49	2.00	0.00	1.00	0.00	3.19	3.65	2.00	0.00	1.00	0.00
3.20	3.64	2.00	0.00	1.00	0.00	3.21	3.64	2.00	0.00	1.00	0.00
3.22	3.48	2.00	0.00	1.00	0.00	3.23	4.57	2.00	0.00	1.00	0.00
3.24	3.48	2.00	0.00	1.00	0.00	3.25	3.32	2.00	0.00	1.00	0.00
3.26	3.63	2.00	0.00	1.00	0.00	3.27	3.62	2.00	0.00	1.00	0.00
3.28	3.31	2.00	0.00	1.00	0.00	3.29	3.31	2.00	0.00	1.00	0.00
3.30	3.30	2.00	0.00	1.00	0.00	3.31	3.46	2.00	0.00	1.00	0.00
3.32	4.08	2.00	0.00	1.00	0.00	3.33	6.98	2.00	0.00	1.00	0.00
3.34	7.58	2.00	0.00	1.00	0.00	3.35	7.73	2.00	0.00	1.00	0.00
3.36	7.72	2.00	0.00	1.00	0.00	3.37	7.27	2.00	0.00	1.00	0.00
3.38	5.90	2.00	0.00	1.00	0.00	3.39	5.74	2.00	0.00	1.00	0.00
3.40	5.43	2.00	0.00	1.00	0.00	3.41	5.58	2.00	0.00	1.00	0.00
3.42	5.42	2.00	0.00	1.00	0.00	3.43	5.27	2.00	0.00	1.00	0.00
3.44	4.96	2.00	0.00	1.00	0.00	3.45	4.80	2.00	0.00	1.00	0.00
3.46	4.80	2.00	0.00	1.00	0.00	3.47	14.87	2.00	0.00	1.00	0.00
3.48	68.28	0.28	4.65	1.00	0.05	3.49	86.53	0.33	3.71	1.00	0.04
3.50	83.81	0.32	3.83	1.00	0.04	3.51	77.60	0.30	4.13	1.00	0.04
3.52	76.22	0.30	4.20	1.00	0.04	3.53	74.43	0.29	4.29	1.00	0.04
3.54	25.56	2.00	0.00	1.00	0.00	3.55	17.24	2.00	0.00	1.00	0.00
3.56	11.87	2.00	0.00	1.00	0.00	3.57	4.45	2.00	0.00	1.00	0.00
3.58	3.84	2.00	0.00	1.00	0.00	3.59	3.84	2.00	0.00	1.00	0.00
3.60	3.83	2.00	0.00	1.00	0.00	3.61	4.13	2.00	0.00	1.00	0.00
3.62	4.13	2.00	0.00	1.00	0.00	3.63	3.52	2.00	0.00	1.00	0.00
3.64	3.52	2.00	0.00	1.00	0.00	3.65	3.21	2.00	0.00	1.00	0.00
3.66	3.06	2.00	0.00	1.00	0.00	3.67	3.05	2.00	0.00	1.00	0.00
3.68	2.75	2.00	0.00	1.00	0.00	3.69	2.90	2.00	0.00	1.00	0.00
3.70	3.05	2.00	0.00	1.00	0.00	3.71	3.05	2.00	0.00	1.00	0.00
3.72	3.19	2.00	0.00	1.00	0.00	3.73	3.49	2.00	0.00	1.00	0.00
3.74	3.34	2.00	0.00	1.00	0.00	3.75	6.02	2.00	0.00	1.00	0.00
3.76	5.57	2.00	0.00	1.00	0.00	3.77	5.42	2.00	0.00	1.00	0.00
3.78	5.12	2.00	0.00	1.00	0.00	3.79	4.97	2.00	0.00	1.00	0.00
3.80	5.71	2.00	0.00	1.00	0.00	3.81	5.26	2.00	0.00	1.00	0.00
3.82	5.85	2.00	0.00	1.00	0.00	3.83	5.85	2.00	0.00	1.00	0.00
3.84	5.84	2.00	0.00	1.00	0.00	3.85	7.90	2.00	0.00	1.00	0.00
3.86	10.37	2.00	0.00	1.00	0.00	3.87	9.36	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	9.37	2.00	0.00	1.00	0.00	3.89	67.15	0.27	4.73	1.00	0.05
3.90	64.86	0.26	4.88	1.00	0.05	3.91	70.67	0.28	4.51	1.00	0.05
3.92	76.94	0.29	4.16	1.00	0.04	3.93	89.39	0.33	3.60	1.00	0.04
3.94	99.47	0.37	3.23	1.00	0.03	3.95	114.59	0.46	2.79	1.00	0.03
3.96	120.63	0.50	2.64	1.00	0.03	3.97	125.54	0.55	2.53	1.00	0.03
3.98	134.61	0.65	2.34	1.00	0.02	3.99	138.28	0.71	2.27	1.00	0.02
4.00	141.46	0.76	1.92	1.00	0.02	4.01	150.09	0.95	1.03	1.00	0.01
4.02	152.33	1.01	0.88	1.00	0.01	4.03	153.46	1.04	0.81	1.00	0.01
4.04	155.69	1.11	0.68	1.00	0.01	4.05	157.14	1.16	0.61	1.00	0.01
4.06	158.80	1.22	0.52	1.00	0.01	4.07	159.80	1.26	0.48	1.00	0.00
4.08	160.04	1.27	0.47	1.00	0.00	4.09	160.82	1.31	0.43	1.00	0.00
4.10	162.47	1.38	0.36	1.00	0.00	4.11	168.45	1.71	0.13	1.00	0.00
4.12	171.59	1.93	0.03	1.00	0.00	4.13	174.93	2.00	0.00	1.00	0.00
4.14	179.74	2.00	0.00	1.00	0.00	4.15	181.24	2.00	0.00	1.00	0.00
4.16	183.06	2.00	0.00	1.00	0.00	4.17	184.87	2.00	0.00	1.00	0.00
4.18	189.93	2.00	0.00	1.00	0.00	4.19	193.20	2.00	0.00	1.00	0.00
4.20	199.26	2.00	0.00	1.00	0.00	4.21	202.28	2.00	0.00	1.00	0.00
4.22	205.49	2.00	0.00	1.00	0.00	4.23	213.93	2.00	0.00	1.00	0.00
4.24	217.52	2.00	0.00	1.00	0.00	4.25	219.05	2.00	0.00	1.00	0.00
4.26	220.48	2.00	0.00	1.00	0.00	4.27	225.57	2.00	0.00	1.00	0.00
4.28	230.25	2.00	0.00	1.00	0.00	4.29	214.58	2.00	0.00	1.00	0.00
4.30	209.36	2.00	0.00	1.00	0.00	4.31	206.79	2.00	0.00	1.00	0.00
4.32	203.39	2.00	0.00	1.00	0.00	4.33	195.82	2.00	0.00	1.00	0.00
4.34	192.18	2.00	0.00	1.00	0.00	4.35	184.10	2.00	0.00	1.00	0.00
4.36	181.15	2.00	0.00	1.00	0.00	4.37	178.19	2.00	0.00	1.00	0.00
4.38	175.87	2.00	0.00	1.00	0.00	4.39	172.47	1.99	0.00	1.00	0.00
4.40	170.88	1.87	0.06	1.00	0.00	4.41	169.07	1.74	0.12	1.00	0.00
4.42	164.79	1.49	0.28	1.00	0.00	4.43	162.98	1.40	0.35	1.00	0.00
4.44	161.48	1.33	0.41	1.00	0.00	4.45	159.01	1.22	0.53	1.00	0.01
4.46	157.73	1.17	0.59	1.00	0.01	4.47	156.23	1.12	0.67	1.00	0.01
4.48	154.19	1.05	0.78	1.00	0.01	4.49	151.05	0.96	0.98	1.00	0.01
4.50	149.11	0.91	1.13	1.00	0.01	4.51	145.08	0.82	1.50	1.00	0.01
4.52	142.46	0.77	1.82	1.00	0.02	4.53	139.95	0.73	2.23	1.00	0.02
4.54	136.99	0.68	2.30	1.00	0.02	4.55	131.24	0.60	2.41	1.00	0.02
4.56	128.68	0.57	2.46	1.00	0.02	4.57	125.25	0.54	2.54	1.00	0.03
4.58	119.83	0.49	2.66	1.00	0.03	4.59	118.63	0.48	2.69	1.00	0.03
4.60	118.24	0.48	2.70	1.00	0.03	4.61	116.51	0.46	2.74	1.00	0.03
4.62	117.37	0.47	2.72	1.00	0.03	4.63	117.90	0.47	2.71	1.00	0.03
4.64	118.78	0.48	2.68	1.00	0.03	4.65	117.15	0.47	2.72	1.00	0.03
4.66	117.41	0.47	2.72	1.00	0.03	4.67	115.38	0.45	2.77	1.00	0.03
4.68	113.41	0.44	2.82	1.00	0.03	4.69	110.78	0.42	2.89	1.00	0.03
4.70	106.67	0.40	3.01	1.00	0.03	4.71	107.61	0.40	2.98	1.00	0.03
4.72	109.22	0.41	2.93	1.00	0.03	4.73	111.42	0.43	2.87	1.00	0.03
4.74	114.54	0.45	2.79	1.00	0.03	4.75	115.83	0.46	2.76	1.00	0.03
4.76	116.78	0.46	2.73	1.00	0.03	4.77	118.07	0.47	2.70	1.00	0.03
4.78	118.22	0.47	2.70	1.00	0.03	4.79	117.36	0.47	2.72	1.00	0.03
4.80	115.94	0.46	2.75	1.00	0.03	4.81	114.29	0.44	2.80	1.00	0.03
4.82	112.86	0.43	2.83	1.00	0.03	4.83	112.80	0.43	2.84	1.00	0.03



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	112.73	0.43	2.84	1.00	0.03	4.85	106.06	0.39	3.02	1.00	0.03
4.86	106.00	0.39	3.03	1.00	0.03	4.87	104.68	0.39	3.07	1.00	0.03
4.88	104.51	0.38	3.07	1.00	0.03	4.89	104.44	0.38	3.07	1.00	0.03
4.90	107.47	0.40	2.98	1.00	0.03	4.91	110.48	0.42	2.90	1.00	0.03
4.92	114.82	0.45	2.78	1.00	0.03	4.93	128.52	0.57	2.47	1.00	0.02
4.94	137.94	0.69	2.28	1.00	0.02	4.95	154.88	1.07	0.75	1.00	0.01
4.96	184.82	2.00	0.00	1.00	0.00	4.97	189.31	2.00	0.00	1.00	0.00
4.98	198.73	2.00	0.00	1.00	0.00	4.99	207.56	2.00	0.00	1.00	0.00
5.00	217.85	2.00	0.00	1.00	0.00	5.01	185.43	2.00	0.00	1.00	0.00
5.02	175.84	2.00	0.00	1.00	0.00	5.03	164.99	1.48	0.28	1.00	0.00
5.04	170.93	1.85	0.06	1.00	0.00	5.05	164.39	1.45	0.30	1.00	0.00
5.06	163.56	1.41	0.34	1.00	0.00	5.07	161.56	1.32	0.42	1.00	0.00
5.08	156.57	1.12	0.66	1.00	0.01	5.09	155.00	1.07	0.75	1.00	0.01
5.10	156.54	1.12	0.66	1.00	0.01	5.11	156.61	1.12	0.66	1.00	0.01
5.12	160.17	1.26	0.48	1.00	0.00	5.13	163.76	1.42	0.33	1.00	0.00
5.14	165.13	1.49	0.27	1.00	0.00	5.15	163.62	1.41	0.33	1.00	0.00
5.16	151.66	0.97	0.96	1.00	0.01	5.17	142.85	0.77	1.80	1.00	0.02
5.18	142.50	0.76	1.86	1.00	0.02	5.19	144.14	0.80	1.64	1.00	0.02
5.20	146.97	0.86	1.33	1.00	0.01	5.21	148.39	0.89	1.21	1.00	0.01
5.22	150.03	0.93	1.08	1.00	0.01	5.23	153.58	1.03	0.83	1.00	0.01
5.24	154.99	1.07	0.75	1.00	0.01	5.25	157.89	1.17	0.59	1.00	0.01
5.26	157.60	1.16	0.61	1.00	0.01	5.27	157.94	1.17	0.59	1.00	0.01
5.28	157.33	1.15	0.62	1.00	0.01	5.29	152.89	1.01	0.88	1.00	0.01
5.30	149.72	0.92	1.10	1.00	0.01	5.31	140.41	0.72	2.22	1.00	0.02
5.32	135.97	0.65	2.32	1.00	0.02	5.33	132.85	0.61	2.38	1.00	0.02
5.34	129.94	0.58	2.44	1.00	0.02	5.35	126.26	0.54	2.51	1.00	0.03
5.36	125.46	0.53	2.53	1.00	0.03	5.37	125.06	0.52	2.54	1.00	0.03
5.38	125.30	0.53	2.53	1.00	0.03	5.39	125.65	0.53	2.53	1.00	0.03
5.40	126.55	0.54	2.51	1.00	0.03	5.41	127.46	0.55	2.49	1.00	0.02
5.42	127.71	0.55	2.48	1.00	0.02	5.43	127.75	0.55	2.48	1.00	0.02
5.44	127.89	0.55	2.48	1.00	0.02	5.45	127.39	0.55	2.49	1.00	0.02
5.46	127.21	0.54	2.49	1.00	0.02	5.47	127.57	0.55	2.49	1.00	0.02
5.48	128.26	0.55	2.47	1.00	0.02	5.49	128.74	0.56	2.46	1.00	0.02
5.50	124.86	0.52	2.54	1.00	0.03	5.51	117.56	0.46	2.71	1.00	0.03
5.52	115.85	0.45	2.76	1.00	0.03	5.53	114.13	0.43	2.80	1.00	0.03
5.54	109.52	0.41	2.92	1.00	0.03	5.55	108.38	0.40	2.96	1.00	0.03
5.56	108.42	0.40	2.96	1.00	0.03	5.57	107.34	0.39	2.99	1.00	0.03
5.58	109.06	0.40	2.94	1.00	0.03	5.59	110.83	0.41	2.89	1.00	0.03
5.60	111.14	0.41	2.88	1.00	0.03	5.61	113.04	0.43	2.83	1.00	0.03
5.62	114.36	0.44	2.79	1.00	0.03	5.63	114.84	0.44	2.78	1.00	0.03
5.64	111.10	0.41	2.88	1.00	0.03	5.65	110.12	0.41	2.91	1.00	0.03
5.66	110.67	0.41	2.89	1.00	0.03	5.67	107.18	0.39	2.99	1.00	0.03
5.68	106.55	0.39	3.01	1.00	0.03	5.69	105.55	0.38	3.04	1.00	0.03
5.70	94.72	0.33	3.39	1.00	0.03	5.71	91.27	0.32	3.52	1.00	0.04
5.72	87.66	0.31	3.67	1.00	0.04	5.73	24.74	2.00	0.00	1.00	0.00
5.74	19.55	2.00	0.00	1.00	0.00	5.75	17.59	2.00	0.00	1.00	0.00
5.76	16.48	2.00	0.00	1.00	0.00	5.77	15.02	2.00	0.00	1.00	0.00
5.78	14.52	2.00	0.00	1.00	0.00	5.79	13.54	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	12.43	2.00	0.00	1.00	0.00	5.81	11.08	2.00	0.00	1.00	0.00
5.82	10.71	2.00	0.00	1.00	0.00	5.83	10.70	2.00	0.00	1.00	0.00
5.84	10.69	2.00	0.00	1.00	0.00	5.85	11.17	2.00	0.00	1.00	0.00
5.86	14.68	2.00	0.00	1.00	0.00	5.87	18.54	2.00	0.00	1.00	0.00
5.88	22.49	2.00	0.00	1.00	0.00	5.89	85.06	0.30	3.78	1.00	0.04
5.90	88.08	0.31	3.65	1.00	0.04	5.91	88.63	0.31	3.63	1.00	0.04
5.92	100.83	0.36	3.19	1.00	0.03	5.93	100.26	0.36	3.20	1.00	0.03
5.94	97.19	0.34	3.31	1.00	0.03	5.95	90.82	0.32	3.54	1.00	0.04
5.96	118.25	0.46	2.70	1.00	0.03	5.97	127.78	0.54	2.48	1.00	0.02
5.98	133.92	0.61	2.36	1.00	0.02	5.99	138.86	0.69	2.26	1.00	0.02
6.00	149.16	0.89	1.19	1.00	0.01	6.01	173.32	2.00	0.00	1.00	0.00
6.02	214.13	2.00	0.00	1.00	0.00	6.03	225.78	2.00	0.00	1.00	0.00
6.04	224.30	2.00	0.00	1.00	0.00	6.05	243.04	2.00	0.00	1.00	0.00
6.06	245.54	2.00	0.00	1.00	0.00	6.07	221.56	2.00	0.00	1.00	0.00
6.08	215.05	2.00	0.00	1.00	0.00	6.09	215.27	2.00	0.00	1.00	0.00
6.10	217.19	2.00	0.00	1.00	0.00	6.11	200.76	2.00	0.00	1.00	0.00
6.12	197.63	2.00	0.00	1.00	0.00	6.13	201.90	2.00	0.00	1.00	0.00
6.14	193.69	2.00	0.00	1.00	0.00	6.15	180.13	2.00	0.00	1.00	0.00
6.16	181.86	2.00	0.00	1.00	0.00	6.17	178.74	2.00	0.00	1.00	0.00
6.18	185.50	2.00	0.00	1.00	0.00	6.19	187.25	2.00	0.00	1.00	0.00
6.20	188.29	2.00	0.00	1.00	0.00	6.21	190.64	2.00	0.00	1.00	0.00
6.22	181.15	2.00	0.00	1.00	0.00	6.23	182.50	2.00	0.00	1.00	0.00
6.24	176.58	2.00	0.00	1.00	0.00	6.25	172.39	1.95	0.02	1.00	0.00
6.26	166.94	1.58	0.21	1.00	0.00	6.27	160.24	1.24	0.50	1.00	0.00
6.28	158.72	1.18	0.57	1.00	0.01	6.29	160.10	1.24	0.51	1.00	0.01
6.30	155.71	1.07	0.74	1.00	0.01	6.31	140.15	0.70	2.24	1.00	0.02
6.32	117.29	0.45	2.72	1.00	0.03	6.33	116.91	0.45	2.73	1.00	0.03
6.34	146.42	0.82	1.47	1.00	0.01	6.35	111.81	0.41	2.86	1.00	0.03
6.36	29.49	2.00	0.00	1.00	0.00	6.37	28.32	2.00	0.00	1.00	0.00
6.38	26.02	2.00	0.00	1.00	0.00	6.39	25.32	2.00	0.00	1.00	0.00
6.40	24.27	2.00	0.00	1.00	0.00	6.41	23.57	2.00	0.00	1.00	0.00
6.42	22.52	2.00	0.00	1.00	0.00	6.43	21.70	2.00	0.00	1.00	0.00
6.44	20.54	2.00	0.00	1.00	0.00	6.45	20.07	2.00	0.00	1.00	0.00
6.46	19.71	2.00	0.00	1.00	0.00	6.47	19.58	2.00	0.00	1.00	0.00
6.48	18.42	2.00	0.00	1.00	0.00	6.49	18.06	2.00	0.00	1.00	0.00
6.50	18.16	2.00	0.00	1.00	0.00	6.51	18.04	2.00	0.00	1.00	0.00
6.52	17.57	2.00	0.00	1.00	0.00	6.53	17.33	2.00	0.00	1.00	0.00
6.54	17.09	2.00	0.00	1.00	0.00	6.55	16.73	2.00	0.00	1.00	0.00
6.56	16.26	2.00	0.00	1.00	0.00	6.57	15.68	2.00	0.00	1.00	0.00
6.58	15.21	2.00	0.00	1.00	0.00	6.59	14.85	2.00	0.00	1.00	0.00
6.60	14.61	2.00	0.00	1.00	0.00	6.61	14.61	2.00	0.00	1.00	0.00
6.62	14.60	2.00	0.00	1.00	0.00	6.63	14.70	2.00	0.00	1.00	0.00
6.64	14.58	2.00	0.00	1.00	0.00	6.65	14.23	2.00	0.00	1.00	0.00
6.66	14.10	2.00	0.00	1.00	0.00	6.67	14.10	2.00	0.00	1.00	0.00
6.68	14.32	2.00	0.00	1.00	0.00	6.69	14.43	2.00	0.00	1.00	0.00
6.70	14.53	2.00	0.00	1.00	0.00	6.71	14.75	2.00	0.00	1.00	0.00
6.72	15.20	2.00	0.00	1.00	0.00	6.73	15.42	2.00	0.00	1.00	0.00
6.74	15.53	2.00	0.00	1.00	0.00	6.75	15.75	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	15.97	2.00	0.00	1.00	0.00	6.77	16.18	2.00	0.00	1.00	0.00
6.78	16.06	2.00	0.00	1.00	0.00	6.79	16.05	2.00	0.00	1.00	0.00
6.80	16.04	2.00	0.00	1.00	0.00	6.81	16.03	2.00	0.00	1.00	0.00
6.82	16.02	2.00	0.00	1.00	0.00	6.83	16.01	2.00	0.00	1.00	0.00
6.84	16.00	2.00	0.00	1.00	0.00	6.85	16.45	2.00	0.00	1.00	0.00
6.86	16.55	2.00	0.00	1.00	0.00	6.87	16.77	2.00	0.00	1.00	0.00
6.88	16.87	2.00	0.00	1.00	0.00	6.89	16.75	2.00	0.00	1.00	0.00
6.90	17.19	2.00	0.00	1.00	0.00	6.91	17.41	2.00	0.00	1.00	0.00
6.92	17.40	2.00	0.00	1.00	0.00	6.93	17.39	2.00	0.00	1.00	0.00
6.94	17.26	2.00	0.00	1.00	0.00	6.95	17.14	2.00	0.00	1.00	0.00
6.96	17.02	2.00	0.00	1.00	0.00	6.97	17.01	2.00	0.00	1.00	0.00
6.98	17.11	2.00	0.00	1.00	0.00	6.99	17.10	2.00	0.00	1.00	0.00
7.00	17.42	2.00	0.00	1.00	0.00	7.01	15.28	2.00	0.00	1.00	0.00
7.02	15.16	2.00	0.00	1.00	0.00	7.03	15.04	2.00	0.00	1.00	0.00
7.04	14.81	2.00	0.00	1.00	0.00	7.05	14.80	2.00	0.00	1.00	0.00
7.06	14.68	2.00	0.00	1.00	0.00	7.07	14.56	2.00	0.00	1.00	0.00
7.08	14.44	2.00	0.00	1.00	0.00	7.09	14.43	2.00	0.00	1.00	0.00
7.10	14.42	2.00	0.00	1.00	0.00	7.11	14.30	2.00	0.00	1.00	0.00
7.12	14.29	2.00	0.00	1.00	0.00	7.13	14.28	2.00	0.00	1.00	0.00
7.14	14.39	2.00	0.00	1.00	0.00	7.15	14.49	2.00	0.00	1.00	0.00
7.16	14.60	2.00	0.00	1.00	0.00	7.17	14.70	2.00	0.00	1.00	0.00
7.18	14.81	2.00	0.00	1.00	0.00	7.19	15.02	2.00	0.00	1.00	0.00
7.20	15.01	2.00	0.00	1.00	0.00	7.21	15.34	2.00	0.00	1.00	0.00
7.22	15.33	2.00	0.00	1.00	0.00	7.23	15.43	2.00	0.00	1.00	0.00
7.24	15.54	2.00	0.00	1.00	0.00	7.25	15.64	2.00	0.00	1.00	0.00
7.26	15.74	2.00	0.00	1.00	0.00	7.27	15.95	2.00	0.00	1.00	0.00
7.28	16.06	2.00	0.00	1.00	0.00	7.29	16.16	2.00	0.00	1.00	0.00
7.30	16.26	2.00	0.00	1.00	0.00	7.31	16.25	2.00	0.00	1.00	0.00
7.32	17.57	2.00	0.00	1.00	0.00	7.33	17.56	2.00	0.00	1.00	0.00
7.34	17.55	2.00	0.00	1.00	0.00	7.35	18.53	2.00	0.00	1.00	0.00
7.36	17.31	2.00	0.00	1.00	0.00	7.37	17.08	2.00	0.00	1.00	0.00
7.38	17.07	2.00	0.00	1.00	0.00	7.39	17.06	2.00	0.00	1.00	0.00
7.40	17.05	2.00	0.00	1.00	0.00	7.41	17.26	2.00	0.00	1.00	0.00
7.42	17.80	2.00	0.00	1.00	0.00	7.43	18.01	2.00	0.00	1.00	0.00
7.44	18.11	2.00	0.00	1.00	0.00	7.45	18.43	2.00	0.00	1.00	0.00
7.46	18.64	2.00	0.00	1.00	0.00	7.47	19.61	2.00	0.00	1.00	0.00
7.48	19.93	2.00	0.00	1.00	0.00	7.49	20.36	2.00	0.00	1.00	0.00
7.50	20.56	2.00	0.00	1.00	0.00	7.51	20.44	2.00	0.00	1.00	0.00
7.52	20.54	2.00	0.00	1.00	0.00	7.53	20.53	2.00	0.00	1.00	0.00
7.54	20.41	2.00	0.00	1.00	0.00	7.55	20.29	2.00	0.00	1.00	0.00
7.56	20.06	2.00	0.00	1.00	0.00	7.57	19.83	2.00	0.00	1.00	0.00
7.58	19.05	2.00	0.00	1.00	0.00	7.59	18.93	2.00	0.00	1.00	0.00
7.60	18.81	2.00	0.00	1.00	0.00	7.61	18.59	2.00	0.00	1.00	0.00
7.62	18.25	2.00	0.00	1.00	0.00	7.63	18.13	2.00	0.00	1.00	0.00
7.64	17.69	2.00	0.00	1.00	0.00	7.65	17.46	2.00	0.00	1.00	0.00
7.66	17.34	2.00	0.00	1.00	0.00	7.67	17.33	2.00	0.00	1.00	0.00
7.68	17.32	2.00	0.00	1.00	0.00	7.69	17.31	2.00	0.00	1.00	0.00
7.70	17.30	2.00	0.00	1.00	0.00	7.71	17.29	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	17.39	2.00	0.00	1.00	0.00	7.73	17.27	2.00	0.00	1.00	0.00
7.74	17.05	2.00	0.00	1.00	0.00	7.75	17.04	2.00	0.00	1.00	0.00
7.76	17.03	2.00	0.00	1.00	0.00	7.77	17.02	2.00	0.00	1.00	0.00
7.78	16.80	2.00	0.00	1.00	0.00	7.79	16.89	2.00	0.00	1.00	0.00
7.80	16.67	2.00	0.00	1.00	0.00	7.81	16.44	2.00	0.00	1.00	0.00
7.82	16.33	2.00	0.00	1.00	0.00	7.83	16.32	2.00	0.00	1.00	0.00
7.84	16.31	2.00	0.00	1.00	0.00	7.85	16.30	2.00	0.00	1.00	0.00
7.86	16.51	2.00	0.00	1.00	0.00	7.87	16.50	2.00	0.00	1.00	0.00
7.88	16.49	2.00	0.00	1.00	0.00	7.89	16.59	2.00	0.00	1.00	0.00
7.90	16.80	2.00	0.00	1.00	0.00	7.91	16.79	2.00	0.00	1.00	0.00
7.92	16.78	2.00	0.00	1.00	0.00	7.93	16.77	2.00	0.00	1.00	0.00
7.94	16.76	2.00	0.00	1.00	0.00	7.95	16.86	2.00	0.00	1.00	0.00
7.96	17.07	2.00	0.00	1.00	0.00	7.97	17.17	2.00	0.00	1.00	0.00
7.98	17.26	2.00	0.00	1.00	0.00	7.99	17.36	2.00	0.00	1.00	0.00
8.00	17.46	2.00	0.00	1.00	0.00	8.01	17.66	2.00	0.00	1.00	0.00
8.02	17.55	2.00	0.00	1.00	0.00	8.03	17.32	2.00	0.00	1.00	0.00
8.04	17.53	2.00	0.00	1.00	0.00	8.05	17.52	2.00	0.00	1.00	0.00
8.06	17.51	2.00	0.00	1.00	0.00	8.07	17.61	2.00	0.00	1.00	0.00
8.08	17.60	2.00	0.00	1.00	0.00	8.09	17.38	2.00	0.00	1.00	0.00
8.10	17.26	2.00	0.00	1.00	0.00	8.11	16.93	2.00	0.00	1.00	0.00
8.12	16.92	2.00	0.00	1.00	0.00	8.13	17.02	2.00	0.00	1.00	0.00
8.14	17.22	2.00	0.00	1.00	0.00	8.15	17.22	2.00	0.00	1.00	0.00
8.16	17.21	2.00	0.00	1.00	0.00	8.17	17.30	2.00	0.00	1.00	0.00
8.18	17.61	2.00	0.00	1.00	0.00	8.19	17.60	2.00	0.00	1.00	0.00
8.20	17.49	2.00	0.00	1.00	0.00	8.21	17.69	2.00	0.00	1.00	0.00
8.22	17.68	2.00	0.00	1.00	0.00	8.23	17.67	2.00	0.00	1.00	0.00
8.24	17.66	2.00	0.00	1.00	0.00	8.25	17.55	2.00	0.00	1.00	0.00
8.26	17.64	2.00	0.00	1.00	0.00	8.27	17.64	2.00	0.00	1.00	0.00
8.28	17.63	2.00	0.00	1.00	0.00	8.29	17.30	2.00	0.00	1.00	0.00
8.30	17.29	2.00	0.00	1.00	0.00	8.31	17.28	2.00	0.00	1.00	0.00
8.32	17.27	2.00	0.00	1.00	0.00	8.33	17.06	2.00	0.00	1.00	0.00
8.34	16.94	2.00	0.00	1.00	0.00	8.35	16.83	2.00	0.00	1.00	0.00
8.36	16.82	2.00	0.00	1.00	0.00	8.37	16.91	2.00	0.00	1.00	0.00
8.38	16.91	2.00	0.00	1.00	0.00	8.39	16.79	2.00	0.00	1.00	0.00
8.40	16.89	2.00	0.00	1.00	0.00	8.41	16.98	2.00	0.00	1.00	0.00
8.42	16.77	2.00	0.00	1.00	0.00	8.43	16.76	2.00	0.00	1.00	0.00
8.44	16.96	2.00	0.00	1.00	0.00	8.45	17.47	2.00	0.00	1.00	0.00
8.46	17.78	2.00	0.00	1.00	0.00	8.47	18.08	2.00	0.00	1.00	0.00
8.48	18.39	2.00	0.00	1.00	0.00	8.49	19.01	2.00	0.00	1.00	0.00
8.50	19.31	2.00	0.00	1.00	0.00	8.51	19.51	2.00	0.00	1.00	0.00
8.52	20.02	2.00	0.00	1.00	0.00	8.53	20.11	2.00	0.00	1.00	0.00
8.54	20.31	2.00	0.00	1.00	0.00	8.55	20.51	2.00	0.00	1.00	0.00
8.56	20.50	2.00	0.00	1.00	0.00	8.57	20.38	2.00	0.00	1.00	0.00
8.58	20.06	2.00	0.00	1.00	0.00	8.59	19.12	2.00	0.00	1.00	0.00
8.60	18.69	2.00	0.00	1.00	0.00	8.61	18.26	2.00	0.00	1.00	0.00
8.62	17.84	2.00	0.00	1.00	0.00	8.63	17.62	2.00	0.00	1.00	0.00
8.64	17.51	2.00	0.00	1.00	0.00	8.65	17.61	2.00	0.00	1.00	0.00
8.66	17.49	2.00	0.00	1.00	0.00	8.67	17.17	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	16.85	2.00	0.00	1.00	0.00	8.69	16.43	2.00	0.00	1.00	0.00
8.70	16.01	2.00	0.00	1.00	0.00	8.71	16.00	2.00	0.00	1.00	0.00
8.72	16.10	2.00	0.00	1.00	0.00	8.73	16.19	2.00	0.00	1.00	0.00
8.74	16.08	2.00	0.00	1.00	0.00	8.75	15.97	2.00	0.00	1.00	0.00
8.76	15.86	2.00	0.00	1.00	0.00	8.77	15.64	2.00	0.00	1.00	0.00
8.78	15.74	2.00	0.00	1.00	0.00	8.79	15.73	2.00	0.00	1.00	0.00
8.80	15.72	2.00	0.00	1.00	0.00	8.81	15.82	2.00	0.00	1.00	0.00
8.82	15.81	2.00	0.00	1.00	0.00	8.83	15.80	2.00	0.00	1.00	0.00
8.84	15.80	2.00	0.00	1.00	0.00	8.85	16.10	2.00	0.00	1.00	0.00
8.86	16.60	2.00	0.00	1.00	0.00	8.87	17.01	2.00	0.00	1.00	0.00
8.88	17.31	2.00	0.00	1.00	0.00	8.89	17.50	2.00	0.00	1.00	0.00
8.90	17.80	2.00	0.00	1.00	0.00	8.91	18.10	2.00	0.00	1.00	0.00
8.92	18.50	2.00	0.00	1.00	0.00	8.93	18.70	2.00	0.00	1.00	0.00
8.94	18.89	2.00	0.00	1.00	0.00	8.95	19.09	2.00	0.00	1.00	0.00
8.96	19.08	2.00	0.00	1.00	0.00	8.97	19.27	2.00	0.00	1.00	0.00
8.98	19.37	2.00	0.00	1.00	0.00	8.99	19.36	2.00	0.00	1.00	0.00
9.00	19.45	2.00	0.00	1.00	0.00	9.01	19.44	2.00	0.00	1.00	0.00
9.02	19.63	2.00	0.00	1.00	0.00	9.03	19.73	2.00	0.00	1.00	0.00
9.04	19.72	2.00	0.00	1.00	0.00	9.05	19.81	2.00	0.00	1.00	0.00
9.06	20.00	2.00	0.00	1.00	0.00	9.07	20.19	2.00	0.00	1.00	0.00
9.08	20.39	2.00	0.00	1.00	0.00	9.09	20.99	2.00	0.00	1.00	0.00
9.10	21.28	2.00	0.00	1.00	0.00	9.11	21.47	2.00	0.00	1.00	0.00
9.12	21.97	2.00	0.00	1.00	0.00	9.13	22.26	2.00	0.00	1.00	0.00
9.14	22.46	2.00	0.00	1.00	0.00	9.15	22.65	2.00	0.00	1.00	0.00
9.16	22.74	2.00	0.00	1.00	0.00	9.17	22.73	2.00	0.00	1.00	0.00
9.18	22.41	2.00	0.00	1.00	0.00	9.19	22.10	2.00	0.00	1.00	0.00
9.20	22.19	2.00	0.00	1.00	0.00	9.21	22.48	2.00	0.00	1.00	0.00
9.22	22.87	2.00	0.00	1.00	0.00	9.23	22.96	2.00	0.00	1.00	0.00
9.24	23.05	2.00	0.00	1.00	0.00	9.25	23.14	2.00	0.00	1.00	0.00
9.26	23.33	2.00	0.00	1.00	0.00	9.27	23.42	2.00	0.00	1.00	0.00
9.28	23.31	2.00	0.00	1.00	0.00	9.29	23.40	2.00	0.00	1.00	0.00
9.30	23.29	2.00	0.00	1.00	0.00	9.31	23.08	2.00	0.00	1.00	0.00
9.32	22.76	2.00	0.00	1.00	0.00	9.33	22.25	2.00	0.00	1.00	0.00
9.34	21.94	2.00	0.00	1.00	0.00	9.35	21.73	2.00	0.00	1.00	0.00
9.36	21.02	2.00	0.00	1.00	0.00	9.37	20.60	2.00	0.00	1.00	0.00
9.38	20.29	2.00	0.00	1.00	0.00	9.39	19.98	2.00	0.00	1.00	0.00
9.40	19.97	2.00	0.00	1.00	0.00	9.41	20.16	2.00	0.00	1.00	0.00
9.42	20.35	2.00	0.00	1.00	0.00	9.43	20.85	2.00	0.00	1.00	0.00
9.44	21.04	2.00	0.00	1.00	0.00	9.45	21.23	2.00	0.00	1.00	0.00
9.46	21.81	2.00	0.00	1.00	0.00	9.47	21.90	2.00	0.00	1.00	0.00
9.48	22.19	2.00	0.00	1.00	0.00	9.49	22.78	2.00	0.00	1.00	0.00
9.50	23.17	2.00	0.00	1.00	0.00	9.51	23.46	2.00	0.00	1.00	0.00
9.52	23.75	2.00	0.00	1.00	0.00	9.53	24.23	2.00	0.00	1.00	0.00
9.54	24.12	2.00	0.00	1.00	0.00	9.55	23.71	2.00	0.00	1.00	0.00
9.56	23.40	2.00	0.00	1.00	0.00	9.57	23.09	2.00	0.00	1.00	0.00
9.58	22.98	2.00	0.00	1.00	0.00	9.59	22.77	2.00	0.00	1.00	0.00
9.60	22.86	2.00	0.00	1.00	0.00	9.61	22.65	2.00	0.00	1.00	0.00
9.62	22.25	2.00	0.00	1.00	0.00	9.63	21.74	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
9.64	21.03	2.00	0.00	1.00	0.00	9.65	20.43	2.00	0.00	1.00	0.00
9.66	20.02	2.00	0.00	1.00	0.00	9.67	19.91	2.00	0.00	1.00	0.00
9.68	19.81	2.00	0.00	1.00	0.00	9.69	19.90	2.00	0.00	1.00	0.00
9.70	20.08	2.00	0.00	1.00	0.00	9.71	20.57	2.00	0.00	1.00	0.00
9.72	20.76	2.00	0.00	1.00	0.00	9.73	20.85	2.00	0.00	1.00	0.00
9.74	21.03	2.00	0.00	1.00	0.00	9.75	21.52	2.00	0.00	1.00	0.00
9.76	21.80	2.00	0.00	1.00	0.00	9.77	22.09	2.00	0.00	1.00	0.00
9.78	22.77	2.00	0.00	1.00	0.00	9.79	23.05	2.00	0.00	1.00	0.00
9.80	23.24	2.00	0.00	1.00	0.00	9.81	23.52	2.00	0.00	1.00	0.00
9.82	23.42	2.00	0.00	1.00	0.00	9.83	23.40	2.00	0.00	1.00	0.00
9.84	23.39	2.00	0.00	1.00	0.00	9.85	23.97	2.00	0.00	1.00	0.00
9.86	24.06	2.00	0.00	1.00	0.00	9.87	23.76	2.00	0.00	1.00	0.00
9.88	23.55	2.00	0.00	1.00	0.00	9.89	23.15	2.00	0.00	1.00	0.00
9.90	23.04	2.00	0.00	1.00	0.00	9.91	23.12	2.00	0.00	1.00	0.00
9.92	23.31	2.00	0.00	1.00	0.00	9.93	23.10	2.00	0.00	1.00	0.00
9.94	22.90	2.00	0.00	1.00	0.00	9.95	22.79	2.00	0.00	1.00	0.00
9.96	22.58	2.00	0.00	1.00	0.00	9.97	22.28	2.00	0.00	1.00	0.00
9.98	21.88	2.00	0.00	1.00	0.00	9.99	20.89	2.00	0.00	1.00	0.00
10.00	20.29	2.00	0.00	1.00	0.00	10.01	18.92	2.00	0.00	1.00	0.00
10.02	18.52	2.00	0.00	1.00	0.00	10.03	18.22	2.00	0.00	1.00	0.00
10.04	17.82	2.00	0.00	1.00	0.00	10.05	17.71	2.00	0.00	1.00	0.00
10.06	17.61	2.00	0.00	1.00	0.00	10.07	17.31	2.00	0.00	1.00	0.00
10.08	17.01	2.00	0.00	1.00	0.00	10.09	17.00	2.00	0.00	1.00	0.00
10.10	16.99	2.00	0.00	1.00	0.00	10.11	17.08	2.00	0.00	1.00	0.00
10.12	17.07	2.00	0.00	1.00	0.00	10.13	16.97	2.00	0.00	1.00	0.00
10.14	16.86	2.00	0.00	1.00	0.00	10.15	16.86	2.00	0.00	1.00	0.00
10.16	16.95	2.00	0.00	1.00	0.00	10.17	16.94	2.00	0.00	1.00	0.00
10.18	17.03	2.00	0.00	1.00	0.00	10.19	17.02	2.00	0.00	1.00	0.00
10.20	16.91	2.00	0.00	1.00	0.00	10.21	16.91	2.00	0.00	1.00	0.00
10.22	17.09	2.00	0.00	1.00	0.00	10.23	17.47	2.00	0.00	1.00	0.00
10.24	17.56	2.00	0.00	1.00	0.00	10.25	17.46	2.00	0.00	1.00	0.00
10.26	17.25	2.00	0.00	1.00	0.00	10.27	17.15	2.00	0.00	1.00	0.00
10.28	16.95	2.00	0.00	1.00	0.00	10.29	16.65	2.00	0.00	1.00	0.00
10.30	16.26	2.00	0.00	1.00	0.00	10.31	16.25	2.00	0.00	1.00	0.00
10.32	16.44	2.00	0.00	1.00	0.00	10.33	16.43	2.00	0.00	1.00	0.00
10.34	16.23	2.00	0.00	1.00	0.00	10.35	15.84	2.00	0.00	1.00	0.00
10.36	15.54	2.00	0.00	1.00	0.00	10.37	15.63	2.00	0.00	1.00	0.00
10.38	15.82	2.00	0.00	1.00	0.00	10.39	15.71	2.00	0.00	1.00	0.00
10.40	15.71	2.00	0.00	1.00	0.00	10.41	15.60	2.00	0.00	1.00	0.00
10.42	15.88	2.00	0.00	1.00	0.00	10.43	16.17	2.00	0.00	1.00	0.00
10.44	17.50	2.00	0.00	1.00	0.00	10.45	18.07	2.00	0.00	1.00	0.00
10.46	18.35	2.00	0.00	1.00	0.00	10.47	17.48	2.00	0.00	1.00	0.00
10.48	16.70	2.00	0.00	1.00	0.00	10.49	16.22	2.00	0.00	1.00	0.00
10.50	16.12	2.00	0.00	1.00	0.00	10.51	16.11	2.00	0.00	1.00	0.00
10.52	16.10	2.00	0.00	1.00	0.00	10.53	15.52	2.00	0.00	1.00	0.00
10.54	15.42	2.00	0.00	1.00	0.00	10.55	15.22	2.00	0.00	1.00	0.00
10.56	15.02	2.00	0.00	1.00	0.00	10.57	14.92	2.00	0.00	1.00	0.00
10.58	14.92	2.00	0.00	1.00	0.00	10.59	14.91	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	14.90	2.00	0.00	1.00	0.00	10.61	14.90	2.00	0.00	1.00	0.00
10.62	14.99	2.00	0.00	1.00	0.00	10.63	14.88	2.00	0.00	1.00	0.00
10.64	14.59	2.00	0.00	1.00	0.00	10.65	14.30	2.00	0.00	1.00	0.00
10.66	14.29	2.00	0.00	1.00	0.00	10.67	14.48	2.00	0.00	1.00	0.00
10.68	14.76	2.00	0.00	1.00	0.00	10.69	14.66	2.00	0.00	1.00	0.00
10.70	14.84	2.00	0.00	1.00	0.00	10.71	15.12	2.00	0.00	1.00	0.00
10.72	15.21	2.00	0.00	1.00	0.00	10.73	15.39	2.00	0.00	1.00	0.00
10.74	15.38	2.00	0.00	1.00	0.00	10.75	15.38	2.00	0.00	1.00	0.00
10.76	15.37	2.00	0.00	1.00	0.00	10.77	15.36	2.00	0.00	1.00	0.00
10.78	15.17	2.00	0.00	1.00	0.00	10.79	14.97	2.00	0.00	1.00	0.00
10.80	14.40	2.00	0.00	1.00	0.00	10.81	14.30	2.00	0.00	1.00	0.00
10.82	14.39	2.00	0.00	1.00	0.00	10.83	14.38	2.00	0.00	1.00	0.00
10.84	14.37	2.00	0.00	1.00	0.00	10.85	15.41	2.00	0.00	1.00	0.00
10.86	15.59	2.00	0.00	1.00	0.00	10.87	15.39	2.00	0.00	1.00	0.00
10.88	15.20	2.00	0.00	1.00	0.00	10.89	15.28	2.00	0.00	1.00	0.00
10.90	15.09	2.00	0.00	1.00	0.00	10.91	14.90	2.00	0.00	1.00	0.00
10.92	14.70	2.00	0.00	1.00	0.00	10.93	14.41	2.00	0.00	1.00	0.00
10.94	14.13	2.00	0.00	1.00	0.00	10.95	13.93	2.00	0.00	1.00	0.00
10.96	13.74	2.00	0.00	1.00	0.00	10.97	13.64	2.00	0.00	1.00	0.00
10.98	13.64	2.00	0.00	1.00	0.00	10.99	13.63	2.00	0.00	1.00	0.00
11.00	13.53	2.00	0.00	1.00	0.00	11.01	13.52	2.00	0.00	1.00	0.00
11.02	13.33	2.00	0.00	1.00	0.00	11.03	13.14	2.00	0.00	1.00	0.00
11.04	13.13	2.00	0.00	1.00	0.00	11.05	13.13	2.00	0.00	1.00	0.00
11.06	13.31	2.00	0.00	1.00	0.00	11.07	13.40	2.00	0.00	1.00	0.00
11.08	13.48	2.00	0.00	1.00	0.00	11.09	13.29	2.00	0.00	1.00	0.00
11.10	13.29	2.00	0.00	1.00	0.00	11.11	13.75	2.00	0.00	1.00	0.00
11.12	13.93	2.00	0.00	1.00	0.00	11.13	13.92	2.00	0.00	1.00	0.00
11.14	14.10	2.00	0.00	1.00	0.00	11.15	14.29	2.00	0.00	1.00	0.00
11.16	14.19	2.00	0.00	1.00	0.00	11.17	13.99	2.00	0.00	1.00	0.00
11.18	13.99	2.00	0.00	1.00	0.00	11.19	14.08	2.00	0.00	1.00	0.00
11.20	14.07	2.00	0.00	1.00	0.00	11.21	14.07	2.00	0.00	1.00	0.00
11.22	13.78	2.00	0.00	1.00	0.00	11.23	13.68	2.00	0.00	1.00	0.00
11.24	13.49	2.00	0.00	1.00	0.00	11.25	13.67	2.00	0.00	1.00	0.00
11.26	13.67	2.00	0.00	1.00	0.00	11.27	13.57	2.00	0.00	1.00	0.00
11.28	13.38	2.00	0.00	1.00	0.00	11.29	13.28	2.00	0.00	1.00	0.00
11.30	13.18	2.00	0.00	1.00	0.00	11.31	13.17	2.00	0.00	1.00	0.00
11.32	13.26	2.00	0.00	1.00	0.00	11.33	13.44	2.00	0.00	1.00	0.00
11.34	13.53	2.00	0.00	1.00	0.00	11.35	13.61	2.00	0.00	1.00	0.00
11.36	13.70	2.00	0.00	1.00	0.00	11.37	13.79	2.00	0.00	1.00	0.00
11.38	13.69	2.00	0.00	1.00	0.00	11.39	13.41	2.00	0.00	1.00	0.00
11.40	13.31	2.00	0.00	1.00	0.00	11.41	13.12	2.00	0.00	1.00	0.00
11.42	13.02	2.00	0.00	1.00	0.00	11.43	13.02	2.00	0.00	1.00	0.00
11.44	13.01	2.00	0.00	1.00	0.00	11.45	12.64	2.00	0.00	1.00	0.00
11.46	12.36	2.00	0.00	1.00	0.00	11.47	12.17	2.00	0.00	1.00	0.00
11.48	12.07	2.00	0.00	1.00	0.00	11.49	12.16	2.00	0.00	1.00	0.00
11.50	12.06	2.00	0.00	1.00	0.00	11.51	12.06	2.00	0.00	1.00	0.00
11.52	12.05	2.00	0.00	1.00	0.00	11.53	12.23	2.00	0.00	1.00	0.00
11.54	12.50	2.00	0.00	1.00	0.00	11.55	12.68	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	12.95	2.00	0.00	1.00	0.00	11.57	12.85	2.00	0.00	1.00	0.00
11.58	12.84	2.00	0.00	1.00	0.00	11.59	12.93	2.00	0.00	1.00	0.00
11.60	12.93	2.00	0.00	1.00	0.00	11.61	13.01	2.00	0.00	1.00	0.00
11.62	12.92	2.00	0.00	1.00	0.00	11.63	12.73	2.00	0.00	1.00	0.00
11.64	12.63	2.00	0.00	1.00	0.00	11.65	12.63	2.00	0.00	1.00	0.00
11.66	12.72	2.00	0.00	1.00	0.00	11.67	13.26	2.00	0.00	1.00	0.00
11.68	13.53	2.00	0.00	1.00	0.00	11.69	13.89	2.00	0.00	1.00	0.00
11.70	14.25	2.00	0.00	1.00	0.00	11.71	14.43	2.00	0.00	1.00	0.00
11.72	14.51	2.00	0.00	1.00	0.00	11.73	14.60	2.00	0.00	1.00	0.00
11.74	14.59	2.00	0.00	1.00	0.00	11.75	14.50	2.00	0.00	1.00	0.00
11.76	14.40	2.00	0.00	1.00	0.00	11.77	14.48	2.00	0.00	1.00	0.00
11.78	14.93	2.00	0.00	1.00	0.00	11.79	15.11	2.00	0.00	1.00	0.00
11.80	15.11	2.00	0.00	1.00	0.00	11.81	15.01	2.00	0.00	1.00	0.00
11.82	14.82	2.00	0.00	1.00	0.00	11.83	14.82	2.00	0.00	1.00	0.00
11.84	14.81	2.00	0.00	1.00	0.00	11.85	14.71	2.00	0.00	1.00	0.00
11.86	14.43	2.00	0.00	1.00	0.00	11.87	14.07	2.00	0.00	1.00	0.00
11.88	13.79	2.00	0.00	1.00	0.00	11.89	13.51	2.00	0.00	1.00	0.00
11.90	13.51	2.00	0.00	1.00	0.00	11.91	13.41	2.00	0.00	1.00	0.00
11.92	13.50	2.00	0.00	1.00	0.00	11.93	13.58	2.00	0.00	1.00	0.00
11.94	13.76	2.00	0.00	1.00	0.00	11.95	13.66	2.00	0.00	1.00	0.00
11.96	13.75	2.00	0.00	1.00	0.00	11.97	13.92	2.00	0.00	1.00	0.00
11.98	13.83	2.00	0.00	1.00	0.00	11.99	13.64	2.00	0.00	1.00	0.00
12.00	13.09	2.00	0.00	1.00	0.00	12.01	12.64	2.00	0.00	1.00	0.00
12.02	12.81	2.00	0.00	1.00	0.00	12.03	13.08	2.00	0.00	1.00	0.00
12.04	13.25	2.00	0.00	1.00	0.00	12.05	13.61	2.00	0.00	1.00	0.00
12.06	13.78	2.00	0.00	1.00	0.00	12.07	14.23	2.00	0.00	1.00	0.00
12.08	14.31	2.00	0.00	1.00	0.00	12.09	14.31	2.00	0.00	1.00	0.00
12.10	14.21	2.00	0.00	1.00	0.00	12.11	14.21	2.00	0.00	1.00	0.00
12.12	14.20	2.00	0.00	1.00	0.00	12.13	14.19	2.00	0.00	1.00	0.00
12.14	14.19	2.00	0.00	1.00	0.00	12.15	14.27	2.00	0.00	1.00	0.00
12.16	14.63	2.00	0.00	1.00	0.00	12.17	14.89	2.00	0.00	1.00	0.00
12.18	15.25	2.00	0.00	1.00	0.00	12.19	15.06	2.00	0.00	1.00	0.00
12.20	14.88	2.00	0.00	1.00	0.00	12.21	14.78	2.00	0.00	1.00	0.00
12.22	14.78	2.00	0.00	1.00	0.00	12.23	14.68	2.00	0.00	1.00	0.00
12.24	14.59	2.00	0.00	1.00	0.00	12.25	14.67	2.00	0.00	1.00	0.00
12.26	14.75	2.00	0.00	1.00	0.00	12.27	14.84	2.00	0.00	1.00	0.00
12.28	14.83	2.00	0.00	1.00	0.00	12.29	15.01	2.00	0.00	1.00	0.00
12.30	15.18	2.00	0.00	1.00	0.00	12.31	15.26	2.00	0.00	1.00	0.00
12.32	15.35	2.00	0.00	1.00	0.00	12.33	15.34	2.00	0.00	1.00	0.00
12.34	15.33	2.00	0.00	1.00	0.00	12.35	15.24	2.00	0.00	1.00	0.00
12.36	15.23	2.00	0.00	1.00	0.00	12.37	15.32	2.00	0.00	1.00	0.00
12.38	15.31	2.00	0.00	1.00	0.00	12.39	15.22	2.00	0.00	1.00	0.00
12.40	15.03	2.00	0.00	1.00	0.00	12.41	14.94	2.00	0.00	1.00	0.00
12.42	14.93	2.00	0.00	1.00	0.00	12.43	14.84	2.00	0.00	1.00	0.00
12.44	14.74	2.00	0.00	1.00	0.00	12.45	14.74	2.00	0.00	1.00	0.00
12.46	14.73	2.00	0.00	1.00	0.00	12.47	14.64	2.00	0.00	1.00	0.00
12.48	14.63	2.00	0.00	1.00	0.00	12.49	14.62	2.00	0.00	1.00	0.00
12.50	14.80	2.00	0.00	1.00	0.00	12.51	14.88	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
12.52	15.05	2.00	0.00	1.00	0.00	12.53	15.04	2.00	0.00	1.00	0.00
12.54	15.22	2.00	0.00	1.00	0.00	12.55	15.48	2.00	0.00	1.00	0.00
12.56	15.74	2.00	0.00	1.00	0.00	12.57	16.09	2.00	0.00	1.00	0.00
12.58	16.70	2.00	0.00	1.00	0.00	12.59	16.96	2.00	0.00	1.00	0.00
12.60	17.31	2.00	0.00	1.00	0.00	12.61	17.66	2.00	0.00	1.00	0.00
12.62	17.83	2.00	0.00	1.00	0.00	12.63	18.35	2.00	0.00	1.00	0.00
12.64	18.53	2.00	0.00	1.00	0.00	12.65	18.61	2.00	0.00	1.00	0.00
12.66	18.96	2.00	0.00	1.00	0.00	12.67	18.86	2.00	0.00	1.00	0.00
12.68	18.85	2.00	0.00	1.00	0.00	12.69	19.02	2.00	0.00	1.00	0.00
12.70	19.02	2.00	0.00	1.00	0.00	12.71	18.66	2.00	0.00	1.00	0.00
12.72	18.47	2.00	0.00	1.00	0.00	12.73	18.11	2.00	0.00	1.00	0.00
12.74	17.40	2.00	0.00	1.00	0.00	12.75	17.04	2.00	0.00	1.00	0.00
12.76	16.77	2.00	0.00	1.00	0.00	12.77	16.58	2.00	0.00	1.00	0.00
12.78	16.49	2.00	0.00	1.00	0.00	12.79	16.30	2.00	0.00	1.00	0.00
12.80	16.21	2.00	0.00	1.00	0.00	12.81	15.76	2.00	0.00	1.00	0.00
12.82	15.67	2.00	0.00	1.00	0.00	12.83	15.66	2.00	0.00	1.00	0.00
12.84	15.65	2.00	0.00	1.00	0.00	12.85	16.97	2.00	0.00	1.00	0.00
12.86	17.22	2.00	0.00	1.00	0.00	12.87	17.30	2.00	0.00	1.00	0.00
12.88	17.38	2.00	0.00	1.00	0.00	12.89	17.55	2.00	0.00	1.00	0.00
12.90	17.63	2.00	0.00	1.00	0.00	12.91	17.89	2.00	0.00	1.00	0.00
12.92	17.97	2.00	0.00	1.00	0.00	12.93	17.96	2.00	0.00	1.00	0.00
12.94	17.96	2.00	0.00	1.00	0.00	12.95	18.13	2.00	0.00	1.00	0.00
12.96	18.21	2.00	0.00	1.00	0.00	12.97	18.29	2.00	0.00	1.00	0.00
12.98	18.28	2.00	0.00	1.00	0.00	12.99	18.10	2.00	0.00	1.00	0.00
13.00	18.00	2.00	0.00	1.00	0.00	13.01	18.79	2.00	0.00	1.00	0.00
13.02	19.13	2.00	0.00	1.00	0.00	13.03	19.47	2.00	0.00	1.00	0.00
13.04	19.91	2.00	0.00	1.00	0.00	13.05	20.07	2.00	0.00	1.00	0.00
13.06	20.42	2.00	0.00	1.00	0.00	13.07	20.59	2.00	0.00	1.00	0.00
13.08	20.58	2.00	0.00	1.00	0.00	13.09	20.31	2.00	0.00	1.00	0.00
13.10	20.39	2.00	0.00	1.00	0.00	13.11	20.65	2.00	0.00	1.00	0.00
13.12	20.82	2.00	0.00	1.00	0.00	13.13	21.16	2.00	0.00	1.00	0.00
13.14	21.68	2.00	0.00	1.00	0.00	13.15	22.03	2.00	0.00	1.00	0.00
13.16	22.28	2.00	0.00	1.00	0.00	13.17	22.36	2.00	0.00	1.00	0.00
13.18	22.35	2.00	0.00	1.00	0.00	13.19	22.96	2.00	0.00	1.00	0.00
13.20	23.22	2.00	0.00	1.00	0.00	13.21	23.38	2.00	0.00	1.00	0.00
13.22	23.73	2.00	0.00	1.00	0.00	13.23	23.72	2.00	0.00	1.00	0.00
13.24	23.71	2.00	0.00	1.00	0.00	13.25	23.88	2.00	0.00	1.00	0.00
13.26	24.04	2.00	0.00	1.00	0.00	13.27	24.03	2.00	0.00	1.00	0.00
13.28	24.29	2.00	0.00	1.00	0.00	13.29	24.63	2.00	0.00	1.00	0.00
13.30	24.71	2.00	0.00	1.00	0.00	13.31	24.88	2.00	0.00	1.00	0.00
13.32	24.87	2.00	0.00	1.00	0.00	13.33	25.12	2.00	0.00	1.00	0.00
13.34	25.29	2.00	0.00	1.00	0.00	13.35	25.02	2.00	0.00	1.00	0.00
13.36	25.10	2.00	0.00	1.00	0.00	13.37	25.18	2.00	0.00	1.00	0.00
13.38	25.26	2.00	0.00	1.00	0.00	13.39	25.07	2.00	0.00	1.00	0.00
13.40	25.06	2.00	0.00	1.00	0.00	13.41	25.93	2.00	0.00	1.00	0.00
13.42	26.01	2.00	0.00	1.00	0.00	13.43	26.26	2.00	0.00	1.00	0.00
13.44	26.25	2.00	0.00	1.00	0.00	13.45	26.07	2.00	0.00	1.00	0.00
13.46	25.79	2.00	0.00	1.00	0.00	13.47	25.87	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
13.48	25.95	2.00	0.00	1.00	0.00	13.49	26.11	2.00	0.00	1.00	0.00
13.50	26.45	2.00	0.00	1.00	0.00	13.51	26.36	2.00	0.00	1.00	0.00
13.52	25.91	2.00	0.00	1.00	0.00	13.53	25.55	2.00	0.00	1.00	0.00
13.54	25.28	2.00	0.00	1.00	0.00	13.55	25.09	2.00	0.00	1.00	0.00
13.56	24.91	2.00	0.00	1.00	0.00	13.57	24.73	2.00	0.00	1.00	0.00
13.58	24.63	2.00	0.00	1.00	0.00	13.59	24.45	2.00	0.00	1.00	0.00
13.60	24.87	2.00	0.00	1.00	0.00	13.61	24.86	2.00	0.00	1.00	0.00
13.62	24.85	2.00	0.00	1.00	0.00	13.63	24.93	2.00	0.00	1.00	0.00
13.64	25.35	2.00	0.00	1.00	0.00	13.65	25.87	2.00	0.00	1.00	0.00
13.66	26.38	2.00	0.00	1.00	0.00	13.67	27.15	2.00	0.00	1.00	0.00
13.68	27.66	2.00	0.00	1.00	0.00	13.69	28.96	2.00	0.00	1.00	0.00
13.70	29.47	2.00	0.00	1.00	0.00	13.71	29.98	2.00	0.00	1.00	0.00
13.72	29.97	2.00	0.00	1.00	0.00	13.73	30.14	2.00	0.00	1.00	0.00
13.74	30.30	2.00	0.00	1.00	0.00	13.75	30.73	2.00	0.00	1.00	0.00
13.76	31.33	2.00	0.00	1.00	0.00	13.77	31.84	2.00	0.00	1.00	0.00
13.78	32.44	2.00	0.00	1.00	0.00	13.79	32.52	2.00	0.00	1.00	0.00
13.80	32.51	2.00	0.00	1.00	0.00	13.81	32.67	2.00	0.00	1.00	0.00
13.82	32.40	2.00	0.00	1.00	0.00	13.83	32.38	2.00	0.00	1.00	0.00
13.84	32.37	2.00	0.00	1.00	0.00	13.85	32.36	2.00	0.00	1.00	0.00
13.86	32.70	2.00	0.00	1.00	0.00	13.87	32.60	2.00	0.00	1.00	0.00
13.88	32.41	2.00	0.00	1.00	0.00	13.89	32.66	2.00	0.00	1.00	0.00
13.90	32.56	2.00	0.00	1.00	0.00	13.91	32.02	2.00	0.00	1.00	0.00
13.92	31.75	2.00	0.00	1.00	0.00	13.93	31.47	2.00	0.00	1.00	0.00
13.94	31.90	2.00	0.00	1.00	0.00	13.95	32.41	2.00	0.00	1.00	0.00
13.96	33.35	2.00	0.00	1.00	0.00	13.97	33.69	2.00	0.00	1.00	0.00
13.98	33.76	2.00	0.00	1.00	0.00	13.99	33.74	2.00	0.00	1.00	0.00
14.00	33.90	2.00	0.00	1.00	0.00	14.01	33.89	2.00	0.00	1.00	0.00
14.02	33.61	2.00	0.00	1.00	0.00	14.03	33.51	2.00	0.00	1.00	0.00
14.04	33.59	2.00	0.00	1.00	0.00	14.05	33.84	2.00	0.00	1.00	0.00
14.06	34.17	2.00	0.00	1.00	0.00	14.07	34.85	2.00	0.00	1.00	0.00
14.08	34.75	2.00	0.00	1.00	0.00	14.09	34.57	2.00	0.00	1.00	0.00
14.10	33.69	2.00	0.00	1.00	0.00	14.11	32.90	2.00	0.00	1.00	0.00
14.12	32.11	2.00	0.00	1.00	0.00	14.13	32.01	2.00	0.00	1.00	0.00
14.14	32.08	2.00	0.00	1.00	0.00	14.15	32.07	2.00	0.00	1.00	0.00
14.16	31.97	2.00	0.00	1.00	0.00	14.17	31.53	2.00	0.00	1.00	0.00
14.18	31.60	2.00	0.00	1.00	0.00	14.19	31.59	2.00	0.00	1.00	0.00
14.20	31.49	2.00	0.00	1.00	0.00	14.21	30.79	2.00	0.00	1.00	0.00
14.22	30.52	2.00	0.00	1.00	0.00	14.23	30.33	2.00	0.00	1.00	0.00
14.24	30.75	2.00	0.00	1.00	0.00	14.25	31.00	2.00	0.00	1.00	0.00
14.26	32.36	2.00	0.00	1.00	0.00	14.27	32.95	2.00	0.00	1.00	0.00
14.28	32.85	2.00	0.00	1.00	0.00	14.29	32.50	2.00	0.00	1.00	0.00
14.30	32.57	2.00	0.00	1.00	0.00	14.31	32.47	2.00	0.00	1.00	0.00
14.32	32.20	2.00	0.00	1.00	0.00	14.33	32.02	2.00	0.00	1.00	0.00
14.34	31.75	2.00	0.00	1.00	0.00	14.35	31.22	2.00	0.00	1.00	0.00
14.36	30.78	2.00	0.00	1.00	0.00	14.37	30.26	2.00	0.00	1.00	0.00
14.38	29.90	2.00	0.00	1.00	0.00	14.39	29.63	2.00	0.00	1.00	0.00
14.40	29.45	2.00	0.00	1.00	0.00	14.41	28.84	2.00	0.00	1.00	0.00
14.42	27.98	2.00	0.00	1.00	0.00	14.43	27.03	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
14.44	26.17	2.00	0.00	1.00	0.00	14.45	25.73	2.00	0.00	1.00	0.00
14.46	25.39	2.00	0.00	1.00	0.00	14.47	25.21	2.00	0.00	1.00	0.00
14.48	25.45	2.00	0.00	1.00	0.00	14.49	24.93	2.00	0.00	1.00	0.00
14.50	24.59	2.00	0.00	1.00	0.00	14.51	24.41	2.00	0.00	1.00	0.00
14.52	24.57	2.00	0.00	1.00	0.00	14.53	24.56	2.00	0.00	1.00	0.00
14.54	24.63	2.00	0.00	1.00	0.00	14.55	25.13	2.00	0.00	1.00	0.00
14.56	25.12	2.00	0.00	1.00	0.00	14.57	24.94	2.00	0.00	1.00	0.00
14.58	24.76	2.00	0.00	1.00	0.00	14.59	24.50	2.00	0.00	1.00	0.00
14.60	24.49	2.00	0.00	1.00	0.00	14.61	24.32	2.00	0.00	1.00	0.00
14.62	24.31	2.00	0.00	1.00	0.00	14.63	23.96	2.00	0.00	1.00	0.00
14.64	23.87	2.00	0.00	1.00	0.00	14.65	24.11	2.00	0.00	1.00	0.00
14.66	24.19	2.00	0.00	1.00	0.00	14.67	24.18	2.00	0.00	1.00	0.00
14.68	24.25	2.00	0.00	1.00	0.00	14.69	23.99	2.00	0.00	1.00	0.00
14.70	23.98	2.00	0.00	1.00	0.00	14.71	23.64	2.00	0.00	1.00	0.00
14.72	23.46	2.00	0.00	1.00	0.00	14.73	23.37	2.00	0.00	1.00	0.00
14.74	23.45	2.00	0.00	1.00	0.00	14.75	23.19	2.00	0.00	1.00	0.00
14.76	23.01	2.00	0.00	1.00	0.00	14.77	22.92	2.00	0.00	1.00	0.00
14.78	22.74	2.00	0.00	1.00	0.00	14.79	19.08	2.00	0.00	1.00	0.00
14.80	21.31	2.00	0.00	1.00	0.00						

**Total estimated settlement: 4.59**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

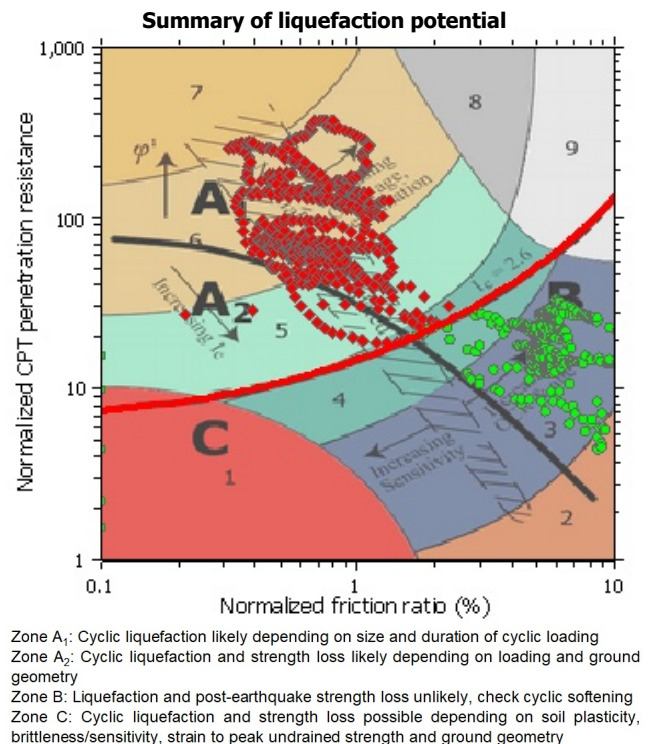
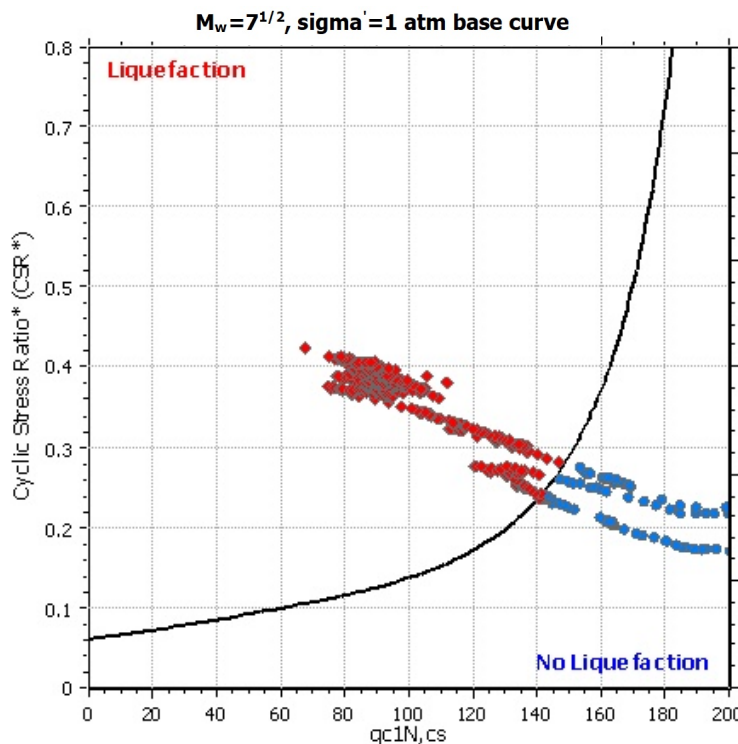
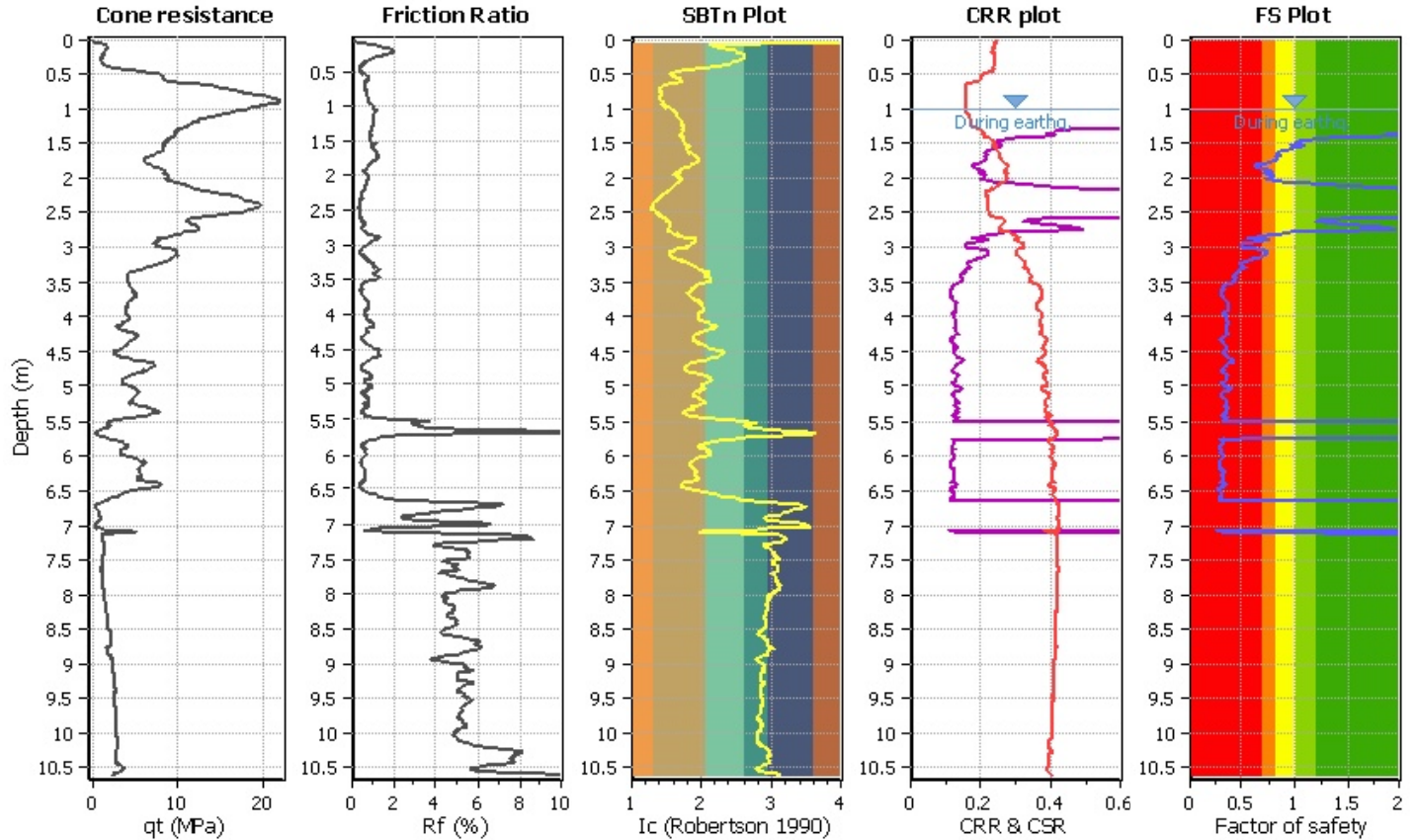
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

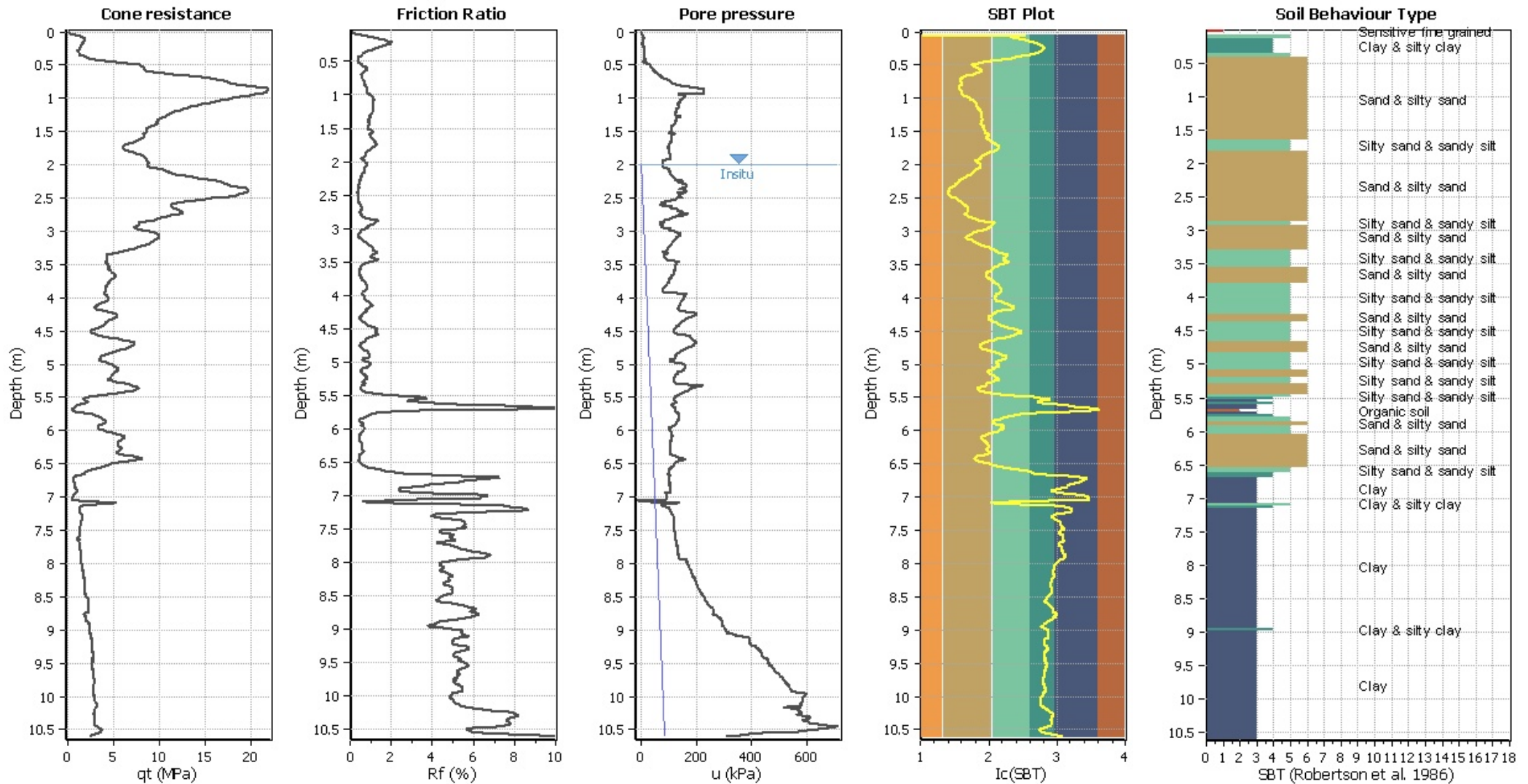
**CPT file : CPTU-03-2017**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_\sigma$ applied:	Yes		



### CPT basic interpretation plo



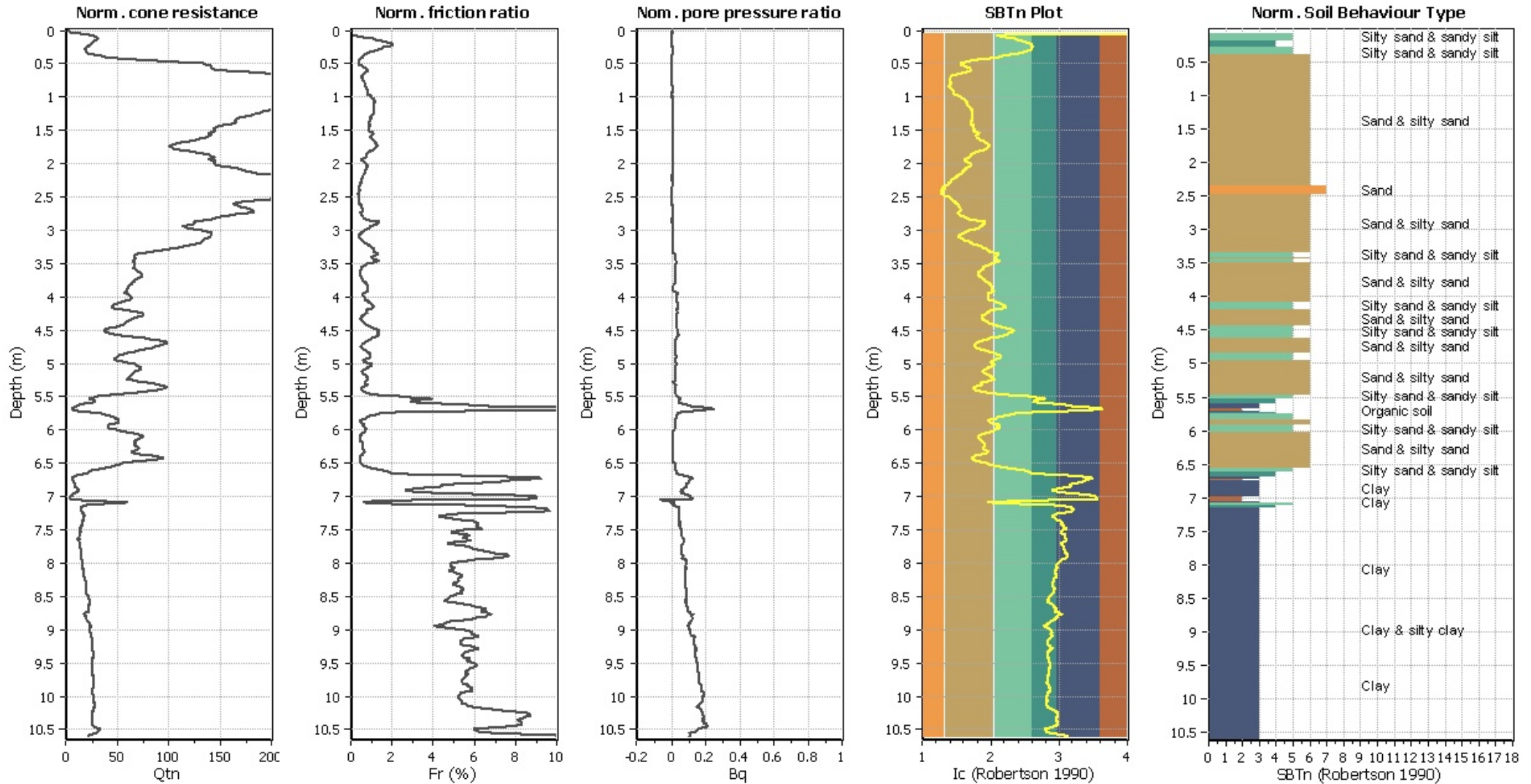
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



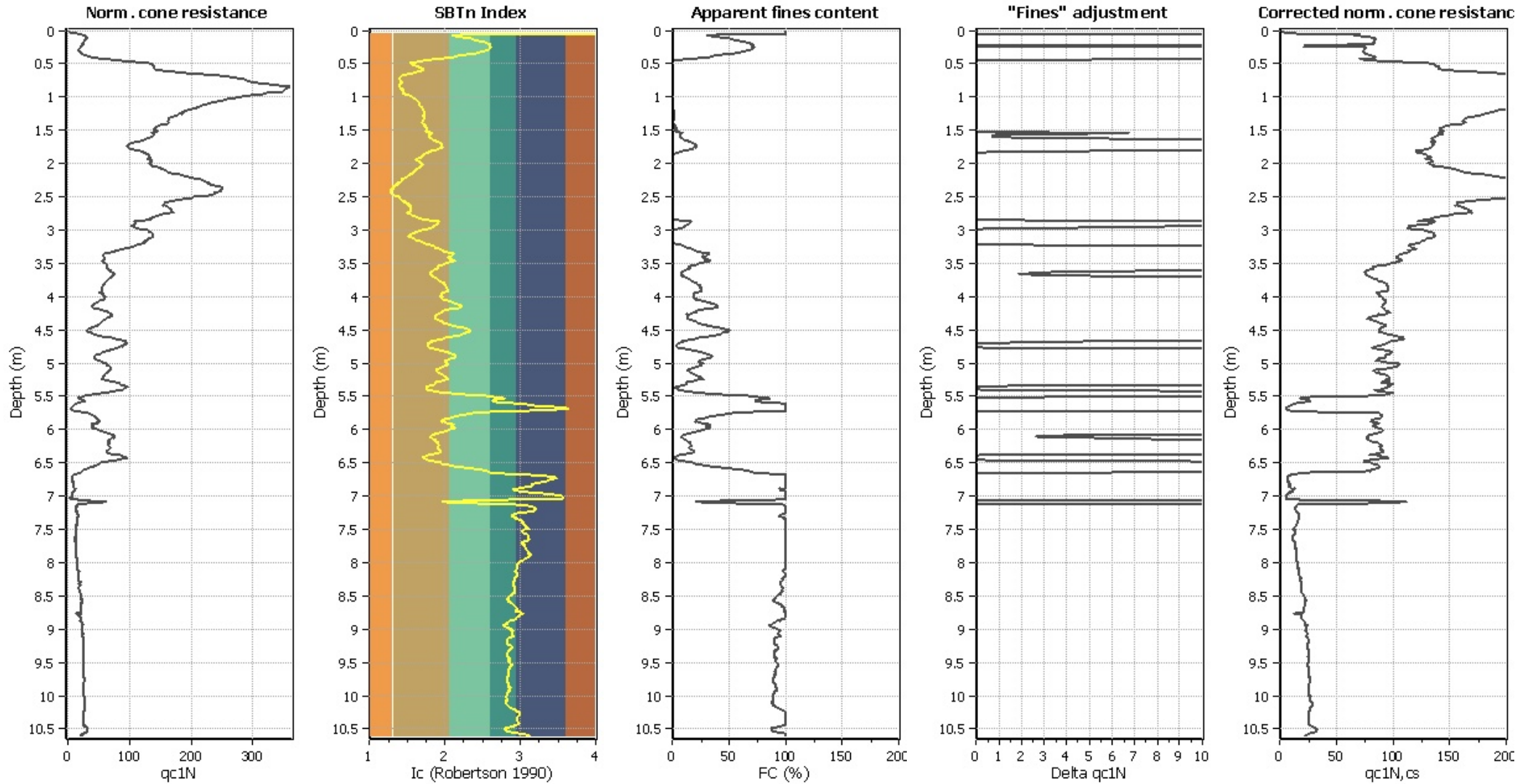
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

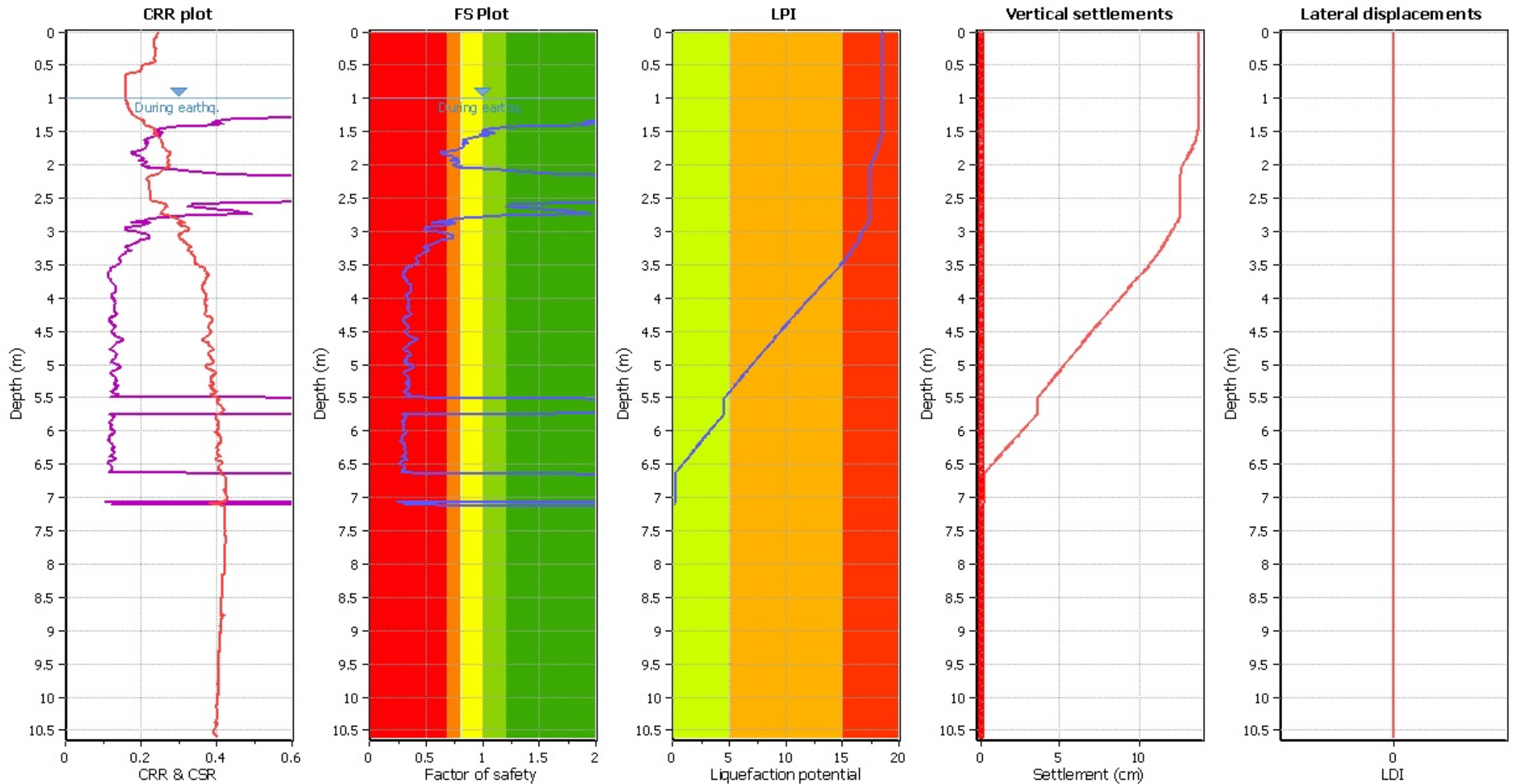
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

**F.S. color scheme**

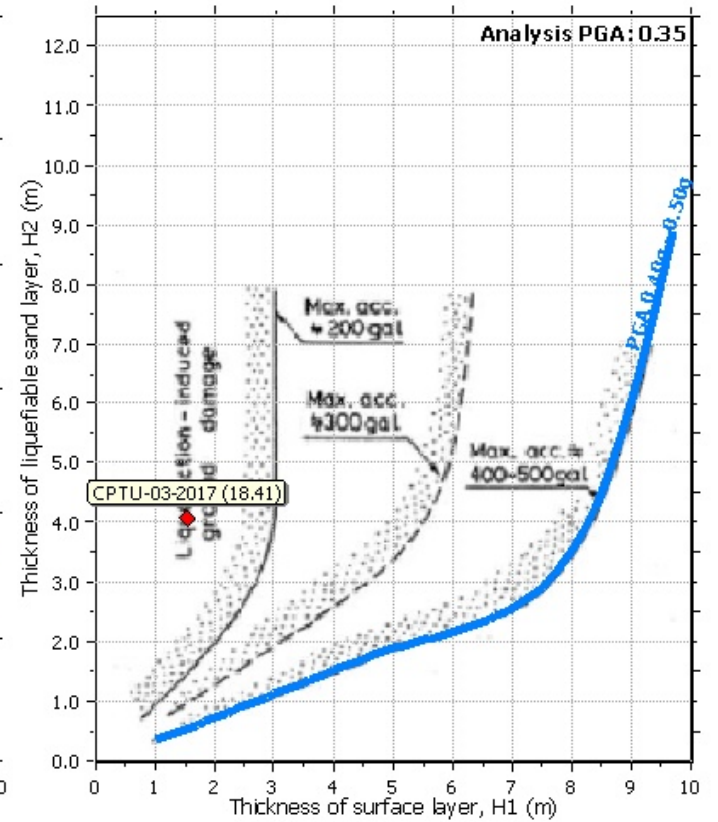
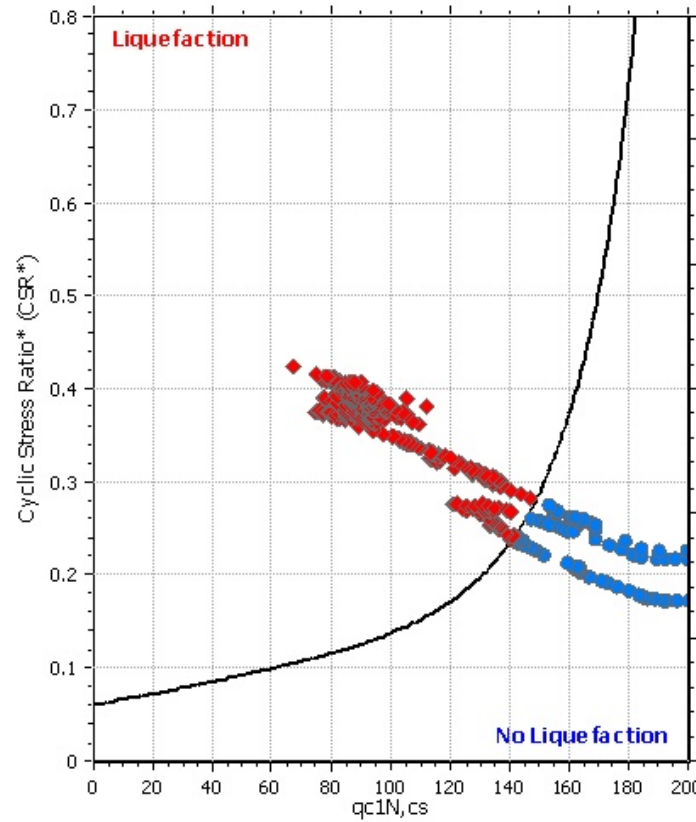
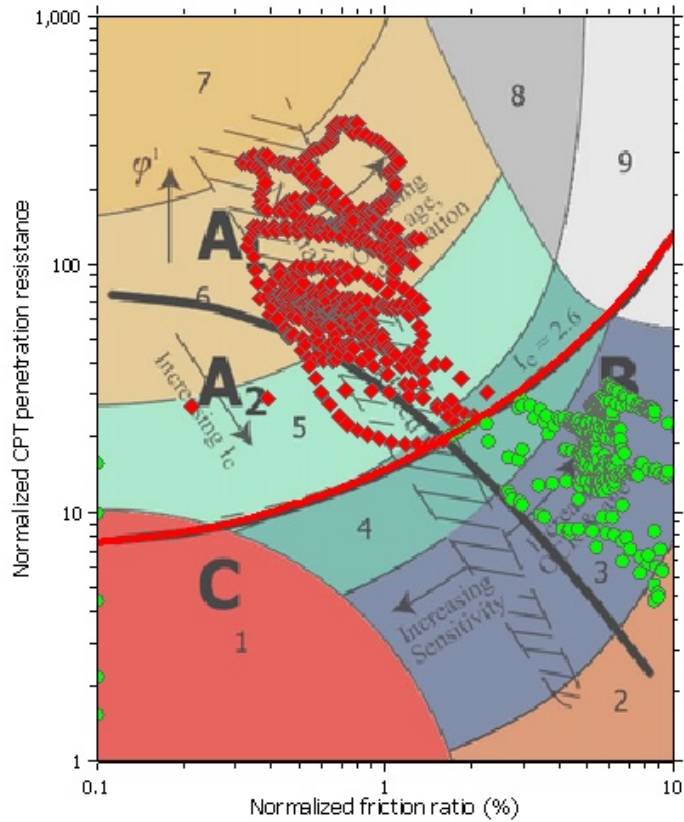
- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlike to liquefy
- Almost certain it will not liquefy

**LPI color scheme**

- Very high risk
- High risk
- Low risk



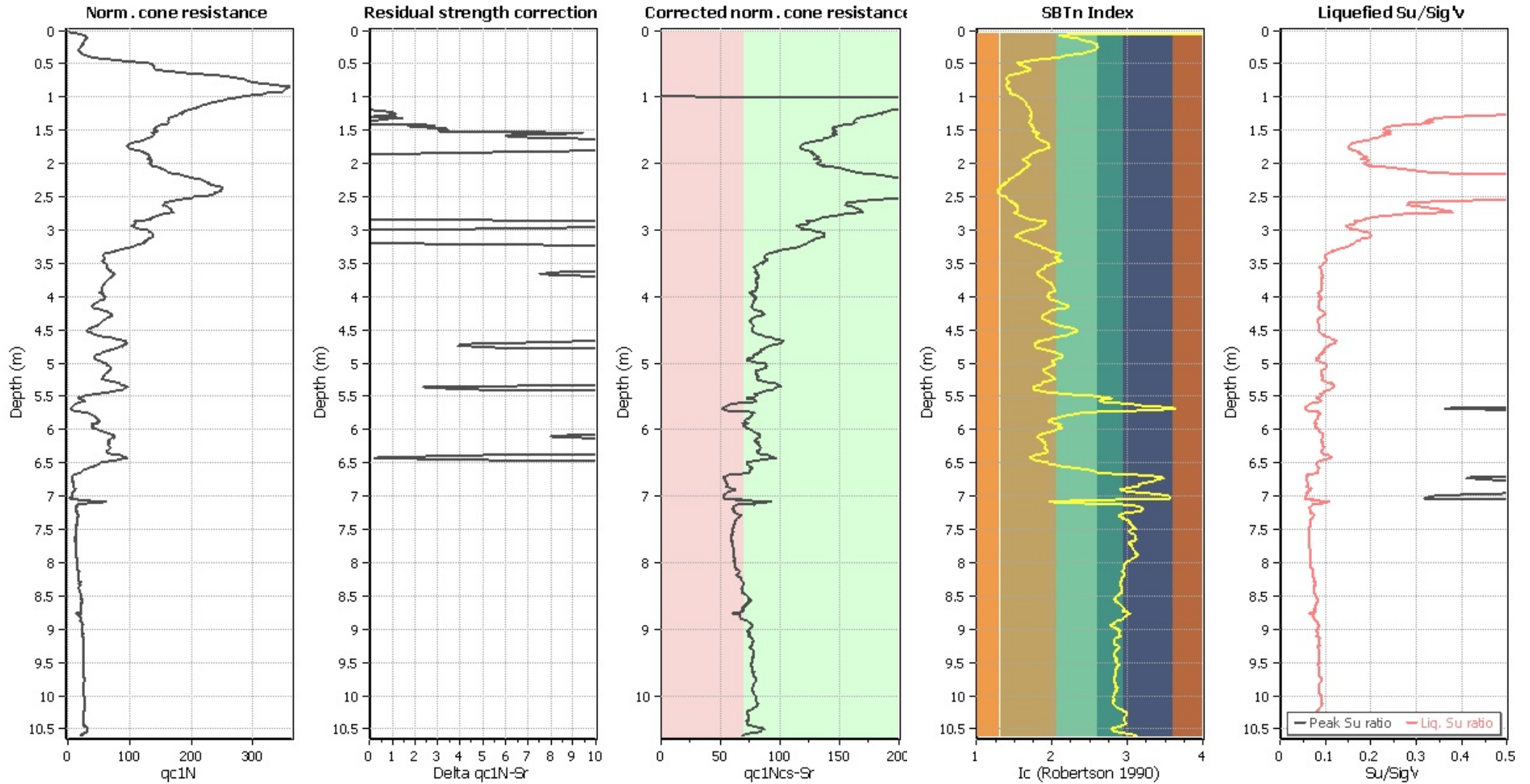
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on $I_c$ value	$I_c$ cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	1.99	0.00	9.33	0.01	0.00
1.35	1.93	0.00	9.32	0.01	0.00	1.36	1.88	0.00	9.32	0.01	0.00
1.37	1.89	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	1.95	0.00	9.31	0.01	0.00	1.40	1.74	0.00	9.30	0.01	0.00
1.41	1.36	0.00	9.30	0.01	0.00	1.42	1.29	0.00	9.29	0.01	0.00
1.43	1.24	0.00	9.29	0.01	0.00	1.44	1.18	0.00	9.28	0.01	0.00
1.45	1.13	0.00	9.28	0.01	0.00	1.46	1.07	0.00	9.27	0.01	0.00
1.47	1.04	0.00	9.27	0.01	0.00	1.48	1.00	0.00	9.26	0.01	0.00
1.49	0.99	0.01	9.26	0.01	0.00	1.50	1.03	0.00	9.25	0.01	0.00
1.51	1.10	0.00	9.24	0.01	0.00	1.52	1.02	0.00	9.24	0.01	0.00
1.53	0.97	0.03	9.24	0.01	0.00	1.54	1.06	0.00	9.23	0.01	0.00
1.55	1.05	0.00	9.23	0.01	0.00	1.56	1.00	0.00	9.22	0.01	0.00
1.57	0.99	0.01	9.22	0.01	0.00	1.58	0.94	0.06	9.21	0.01	0.01
1.59	0.92	0.08	9.21	0.01	0.01	1.60	0.89	0.11	9.20	0.01	0.01
1.61	0.87	0.13	9.20	0.01	0.01	1.62	0.83	0.17	9.19	0.01	0.02
1.63	0.82	0.18	9.19	0.01	0.02	1.64	0.85	0.15	9.18	0.01	0.01
1.65	0.85	0.15	9.18	0.01	0.01	1.66	0.87	0.13	9.17	0.01	0.01
1.67	0.86	0.14	9.16	0.01	0.01	1.68	0.82	0.18	9.16	0.01	0.02
1.69	0.83	0.17	9.16	0.01	0.02	1.70	0.82	0.18	9.15	0.01	0.02
1.71	0.84	0.16	9.15	0.01	0.01	1.72	0.84	0.16	9.14	0.01	0.01
1.73	0.83	0.17	9.14	0.01	0.02	1.74	0.82	0.18	9.13	0.01	0.02
1.75	0.81	0.19	9.13	0.01	0.02	1.76	0.79	0.21	9.12	0.01	0.02
1.77	0.76	0.24	9.12	0.01	0.02	1.78	0.74	0.26	9.11	0.01	0.02
1.79	0.69	0.31	9.11	0.01	0.03	1.80	0.67	0.33	9.10	0.01	0.03
1.81	0.63	0.37	9.10	0.01	0.03	1.82	0.63	0.37	9.09	0.01	0.03
1.83	0.63	0.37	9.09	0.01	0.03	1.84	0.64	0.36	9.08	0.01	0.03
1.85	0.68	0.32	9.07	0.01	0.03	1.86	0.70	0.30	9.07	0.01	0.03
1.87	0.73	0.27	9.07	0.01	0.02	1.88	0.74	0.26	9.06	0.01	0.02
1.89	0.75	0.25	9.06	0.01	0.02	1.90	0.78	0.22	9.05	0.01	0.02
1.91	0.77	0.23	9.05	0.01	0.02	1.92	0.77	0.23	9.04	0.01	0.02

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	0.70	0.30	9.04	0.01	0.03	1.94	0.76	0.24	9.03	0.01	0.02
1.95	0.78	0.22	9.03	0.01	0.02	1.96	0.79	0.21	9.02	0.01	0.02
1.97	0.79	0.21	9.02	0.01	0.02	1.98	0.77	0.23	9.01	0.01	0.02
1.99	0.75	0.25	9.01	0.01	0.02	2.00	0.73	0.27	9.00	0.01	0.02
2.01	0.76	0.24	8.99	0.01	0.02	2.02	0.81	0.19	8.99	0.01	0.02
2.03	0.79	0.21	8.99	0.01	0.02	2.04	0.85	0.15	8.98	0.01	0.01
2.05	0.88	0.12	8.98	0.01	0.01	2.06	1.06	0.00	8.97	0.01	0.00
2.07	1.13	0.00	8.97	0.01	0.00	2.08	1.19	0.00	8.96	0.01	0.00
2.09	1.24	0.00	8.96	0.01	0.00	2.10	1.38	0.00	8.95	0.01	0.00
2.11	1.44	0.00	8.95	0.01	0.00	2.12	1.50	0.00	8.94	0.01	0.00
2.13	1.60	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	1.98	0.00	8.72	0.01	0.00
2.57	1.66	0.00	8.72	0.01	0.00	2.58	1.51	0.00	8.71	0.01	0.00
2.59	1.25	0.00	8.71	0.01	0.00	2.60	1.26	0.00	8.70	0.01	0.00
2.61	1.25	0.00	8.70	0.01	0.00	2.62	1.21	0.00	8.69	0.01	0.00
2.63	1.22	0.00	8.69	0.01	0.00	2.64	1.27	0.00	8.68	0.01	0.00
2.65	1.43	0.00	8.68	0.01	0.00	2.66	1.49	0.00	8.67	0.01	0.00
2.67	1.56	0.00	8.66	0.01	0.00	2.68	1.65	0.00	8.66	0.01	0.00
2.69	1.79	0.00	8.66	0.01	0.00	2.70	1.78	0.00	8.65	0.01	0.00
2.71	1.84	0.00	8.65	0.01	0.00	2.72	1.90	0.00	8.64	0.01	0.00
2.73	1.96	0.00	8.64	0.01	0.00	2.74	1.96	0.00	8.63	0.01	0.00
2.75	1.67	0.00	8.63	0.01	0.00	2.76	1.52	0.00	8.62	0.01	0.00
2.77	1.16	0.00	8.62	0.01	0.00	2.78	0.96	0.04	8.61	0.01	0.00
2.79	0.87	0.13	8.61	0.01	0.01	2.80	0.81	0.19	8.60	0.01	0.02
2.81	0.75	0.25	8.60	0.01	0.02	2.82	0.71	0.29	8.59	0.01	0.02
2.83	0.69	0.31	8.59	0.01	0.03	2.84	0.67	0.33	8.58	0.01	0.03
2.85	0.62	0.38	8.57	0.01	0.03	2.86	0.56	0.44	8.57	0.01	0.04
2.87	0.68	0.32	8.57	0.01	0.03	2.88	0.75	0.25	8.56	0.01	0.02

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.71	0.29	8.56	0.01	0.03	2.90	0.67	0.33	8.55	0.01	0.03
2.91	0.66	0.34	8.55	0.01	0.03	2.92	0.62	0.38	8.54	0.01	0.03
2.93	0.50	0.50	8.54	0.01	0.04	2.94	0.49	0.51	8.53	0.01	0.04
2.95	0.49	0.51	8.53	0.01	0.04	2.96	0.48	0.52	8.52	0.01	0.04
2.97	0.49	0.51	8.52	0.01	0.04	2.98	0.48	0.52	8.51	0.01	0.04
2.99	0.50	0.50	8.51	0.01	0.04	3.00	0.51	0.49	8.50	0.01	0.04
3.01	0.61	0.39	8.49	0.01	0.03	3.02	0.65	0.35	8.49	0.01	0.03
3.03	0.68	0.32	8.49	0.01	0.03	3.04	0.70	0.30	8.48	0.01	0.03
3.05	0.73	0.27	8.48	0.01	0.02	3.06	0.73	0.27	8.47	0.01	0.02
3.07	0.73	0.27	8.47	0.01	0.02	3.08	0.73	0.27	8.46	0.01	0.02
3.09	0.73	0.27	8.46	0.01	0.02	3.10	0.73	0.27	8.45	0.01	0.02
3.11	0.71	0.29	8.45	0.01	0.02	3.12	0.70	0.30	8.44	0.01	0.03
3.13	0.65	0.35	8.44	0.01	0.03	3.14	0.63	0.37	8.43	0.01	0.03
3.15	0.61	0.39	8.43	0.01	0.03	3.16	0.60	0.40	8.42	0.01	0.03
3.17	0.58	0.42	8.41	0.01	0.04	3.18	0.57	0.43	8.41	0.01	0.04
3.19	0.56	0.44	8.41	0.01	0.04	3.20	0.54	0.46	8.40	0.01	0.04
3.21	0.51	0.49	8.40	0.01	0.04	3.22	0.49	0.51	8.39	0.01	0.04
3.23	0.48	0.52	8.39	0.01	0.04	3.24	0.48	0.52	8.38	0.01	0.04
3.25	0.50	0.50	8.38	0.01	0.04	3.26	0.50	0.50	8.37	0.01	0.04
3.27	0.51	0.49	8.37	0.01	0.04	3.28	0.51	0.49	8.36	0.01	0.04
3.29	0.53	0.47	8.36	0.01	0.04	3.30	0.48	0.52	8.35	0.01	0.04
3.31	0.47	0.53	8.35	0.01	0.04	3.32	0.48	0.52	8.34	0.01	0.04
3.33	0.48	0.52	8.34	0.01	0.04	3.34	0.45	0.55	8.33	0.01	0.05
3.35	0.45	0.55	8.32	0.01	0.05	3.36	0.44	0.56	8.32	0.01	0.05
3.37	0.43	0.57	8.32	0.01	0.05	3.38	0.42	0.58	8.31	0.01	0.05
3.39	0.42	0.58	8.31	0.01	0.05	3.40	0.41	0.59	8.30	0.01	0.05
3.41	0.41	0.59	8.30	0.01	0.05	3.42	0.41	0.59	8.29	0.01	0.05
3.43	0.42	0.58	8.29	0.01	0.05	3.44	0.43	0.57	8.28	0.01	0.05
3.45	0.43	0.57	8.28	0.01	0.05	3.46	0.43	0.57	8.27	0.01	0.05
3.47	0.43	0.57	8.27	0.01	0.05	3.48	0.42	0.58	8.26	0.01	0.05
3.49	0.41	0.59	8.26	0.01	0.05	3.50	0.40	0.60	8.25	0.01	0.05
3.51	0.38	0.62	8.24	0.01	0.05	3.52	0.37	0.63	8.24	0.01	0.05
3.53	0.35	0.65	8.24	0.01	0.05	3.54	0.33	0.67	8.23	0.01	0.06
3.55	0.32	0.68	8.23	0.01	0.06	3.56	0.32	0.68	8.22	0.01	0.06
3.57	0.32	0.68	8.22	0.01	0.06	3.58	0.32	0.68	8.21	0.01	0.06
3.59	0.32	0.68	8.21	0.01	0.06	3.60	0.31	0.69	8.20	0.01	0.06
3.61	0.30	0.70	8.20	0.01	0.06	3.62	0.30	0.70	8.19	0.01	0.06
3.63	0.30	0.70	8.19	0.01	0.06	3.64	0.30	0.70	8.18	0.01	0.06
3.65	0.30	0.70	8.18	0.01	0.06	3.66	0.30	0.70	8.17	0.01	0.06
3.67	0.30	0.70	8.16	0.01	0.06	3.68	0.30	0.70	8.16	0.01	0.06
3.69	0.31	0.69	8.16	0.01	0.06	3.70	0.31	0.69	8.15	0.01	0.06
3.71	0.31	0.69	8.15	0.01	0.06	3.72	0.32	0.68	8.14	0.01	0.06
3.73	0.32	0.68	8.14	0.01	0.06	3.74	0.32	0.68	8.13	0.01	0.05
3.75	0.33	0.67	8.13	0.01	0.05	3.76	0.33	0.67	8.12	0.01	0.05
3.77	0.34	0.66	8.12	0.01	0.05	3.78	0.35	0.65	8.11	0.01	0.05
3.79	0.35	0.65	8.11	0.01	0.05	3.80	0.36	0.64	8.10	0.01	0.05
3.81	0.36	0.64	8.10	0.01	0.05	3.82	0.36	0.64	8.09	0.01	0.05
3.83	0.36	0.64	8.09	0.01	0.05	3.84	0.36	0.64	8.08	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.36	0.64	8.07	0.01	0.05	3.86	0.36	0.64	8.07	0.01	0.05
3.87	0.36	0.64	8.07	0.01	0.05	3.88	0.36	0.64	8.06	0.01	0.05
3.89	0.36	0.64	8.06	0.01	0.05	3.90	0.36	0.64	8.05	0.01	0.05
3.91	0.36	0.64	8.05	0.01	0.05	3.92	0.35	0.65	8.04	0.01	0.05
3.93	0.33	0.67	8.04	0.01	0.05	3.94	0.32	0.68	8.03	0.01	0.05
3.95	0.32	0.68	8.03	0.01	0.05	3.96	0.32	0.68	8.02	0.01	0.05
3.97	0.33	0.67	8.02	0.01	0.05	3.98	0.33	0.67	8.01	0.01	0.05
3.99	0.33	0.67	8.01	0.01	0.05	4.00	0.33	0.67	8.00	0.01	0.05
4.01	0.34	0.66	8.00	0.01	0.05	4.02	0.34	0.66	7.99	0.01	0.05
4.03	0.34	0.66	7.99	0.01	0.05	4.04	0.34	0.66	7.98	0.01	0.05
4.05	0.35	0.65	7.98	0.01	0.05	4.06	0.35	0.65	7.97	0.01	0.05
4.07	0.35	0.65	7.97	0.01	0.05	4.08	0.35	0.65	7.96	0.01	0.05
4.09	0.35	0.65	7.96	0.01	0.05	4.10	0.35	0.65	7.95	0.01	0.05
4.11	0.34	0.66	7.95	0.01	0.05	4.12	0.34	0.66	7.94	0.01	0.05
4.13	0.34	0.66	7.94	0.01	0.05	4.14	0.34	0.66	7.93	0.01	0.05
4.15	0.34	0.66	7.93	0.01	0.05	4.16	0.34	0.66	7.92	0.01	0.05
4.17	0.34	0.66	7.92	0.01	0.05	4.18	0.34	0.66	7.91	0.01	0.05
4.19	0.34	0.66	7.91	0.01	0.05	4.20	0.34	0.66	7.90	0.01	0.05
4.21	0.34	0.66	7.90	0.01	0.05	4.22	0.36	0.64	7.89	0.01	0.05
4.23	0.36	0.64	7.89	0.01	0.05	4.24	0.37	0.63	7.88	0.01	0.05
4.25	0.36	0.64	7.88	0.01	0.05	4.26	0.35	0.65	7.87	0.01	0.05
4.27	0.33	0.67	7.87	0.01	0.05	4.28	0.32	0.68	7.86	0.01	0.05
4.29	0.31	0.69	7.86	0.01	0.05	4.30	0.31	0.69	7.85	0.01	0.05
4.31	0.30	0.70	7.85	0.01	0.05	4.32	0.29	0.71	7.84	0.01	0.06
4.33	0.29	0.71	7.84	0.01	0.06	4.34	0.29	0.71	7.83	0.01	0.06
4.35	0.30	0.70	7.83	0.01	0.05	4.36	0.31	0.69	7.82	0.01	0.05
4.37	0.31	0.69	7.82	0.01	0.05	4.38	0.32	0.68	7.81	0.01	0.05
4.39	0.32	0.68	7.81	0.01	0.05	4.40	0.33	0.67	7.80	0.01	0.05
4.41	0.34	0.66	7.80	0.01	0.05	4.42	0.34	0.66	7.79	0.01	0.05
4.43	0.34	0.66	7.79	0.01	0.05	4.44	0.34	0.66	7.78	0.01	0.05
4.45	0.35	0.65	7.78	0.01	0.05	4.46	0.33	0.67	7.77	0.01	0.05
4.47	0.33	0.67	7.77	0.01	0.05	4.48	0.33	0.67	7.76	0.01	0.05
4.49	0.32	0.68	7.76	0.01	0.05	4.50	0.32	0.68	7.75	0.01	0.05
4.51	0.32	0.68	7.75	0.01	0.05	4.52	0.32	0.68	7.74	0.01	0.05
4.53	0.33	0.67	7.74	0.01	0.05	4.54	0.33	0.67	7.73	0.01	0.05
4.55	0.33	0.67	7.73	0.01	0.05	4.56	0.34	0.66	7.72	0.01	0.05
4.57	0.35	0.65	7.72	0.01	0.05	4.58	0.36	0.64	7.71	0.01	0.05
4.59	0.38	0.62	7.71	0.01	0.05	4.60	0.38	0.62	7.70	0.01	0.05
4.61	0.42	0.58	7.70	0.01	0.04	4.62	0.42	0.58	7.69	0.01	0.04
4.63	0.42	0.58	7.69	0.01	0.04	4.64	0.41	0.59	7.68	0.01	0.05
4.65	0.39	0.61	7.68	0.01	0.05	4.66	0.38	0.62	7.67	0.01	0.05
4.67	0.36	0.64	7.67	0.01	0.05	4.68	0.36	0.64	7.66	0.01	0.05
4.69	0.35	0.65	7.66	0.01	0.05	4.70	0.35	0.65	7.65	0.01	0.05
4.71	0.34	0.66	7.65	0.01	0.05	4.72	0.34	0.66	7.64	0.01	0.05
4.73	0.33	0.67	7.64	0.01	0.05	4.74	0.32	0.68	7.63	0.01	0.05
4.75	0.31	0.69	7.63	0.01	0.05	4.76	0.30	0.70	7.62	0.01	0.05
4.77	0.30	0.70	7.62	0.01	0.05	4.78	0.30	0.70	7.61	0.01	0.05
4.79	0.31	0.69	7.61	0.01	0.05	4.80	0.32	0.68	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.34	0.66	7.60	0.01	0.05	4.82	0.35	0.65	7.59	0.01	0.05
4.83	0.36	0.64	7.59	0.01	0.05	4.84	0.35	0.65	7.58	0.01	0.05
4.85	0.36	0.64	7.58	0.01	0.05	4.86	0.35	0.65	7.57	0.01	0.05
4.87	0.35	0.65	7.57	0.01	0.05	4.88	0.35	0.65	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.34	0.66	7.55	0.01	0.05	4.92	0.33	0.67	7.54	0.01	0.05
4.93	0.32	0.68	7.54	0.01	0.05	4.94	0.31	0.69	7.53	0.01	0.05
4.95	0.31	0.69	7.53	0.01	0.05	4.96	0.31	0.69	7.52	0.01	0.05
4.97	0.32	0.68	7.52	0.01	0.05	4.98	0.33	0.67	7.51	0.01	0.05
4.99	0.34	0.66	7.51	0.01	0.05	5.00	0.35	0.65	7.50	0.01	0.05
5.01	0.38	0.62	7.50	0.01	0.05	5.02	0.39	0.61	7.49	0.01	0.05
5.03	0.39	0.61	7.49	0.01	0.05	5.04	0.38	0.62	7.48	0.01	0.05
5.05	0.38	0.62	7.48	0.01	0.05	5.06	0.37	0.63	7.47	0.01	0.05
5.07	0.36	0.64	7.47	0.01	0.05	5.08	0.35	0.65	7.46	0.01	0.05
5.09	0.33	0.67	7.46	0.01	0.05	5.10	0.31	0.69	7.45	0.01	0.05
5.11	0.30	0.70	7.45	0.01	0.05	5.12	0.30	0.70	7.44	0.01	0.05
5.13	0.30	0.70	7.44	0.01	0.05	5.14	0.30	0.70	7.43	0.01	0.05
5.15	0.31	0.69	7.43	0.01	0.05	5.16	0.32	0.68	7.42	0.01	0.05
5.17	0.33	0.67	7.42	0.01	0.05	5.18	0.33	0.67	7.41	0.01	0.05
5.19	0.34	0.66	7.41	0.01	0.05	5.20	0.34	0.66	7.40	0.01	0.05
5.21	0.34	0.66	7.40	0.01	0.05	5.22	0.35	0.65	7.39	0.01	0.05
5.23	0.35	0.65	7.39	0.01	0.05	5.24	0.35	0.65	7.38	0.01	0.05
5.25	0.35	0.65	7.38	0.01	0.05	5.26	0.34	0.66	7.37	0.01	0.05
5.27	0.34	0.66	7.37	0.01	0.05	5.28	0.32	0.68	7.36	0.01	0.05
5.29	0.32	0.68	7.36	0.01	0.05	5.30	0.34	0.66	7.35	0.01	0.05
5.31	0.35	0.65	7.35	0.01	0.05	5.32	0.36	0.64	7.34	0.01	0.05
5.33	0.35	0.65	7.34	0.01	0.05	5.34	0.34	0.66	7.33	0.01	0.05
5.35	0.34	0.66	7.33	0.01	0.05	5.36	0.35	0.65	7.32	0.01	0.05
5.37	0.34	0.66	7.32	0.01	0.05	5.38	0.33	0.67	7.31	0.01	0.05
5.39	0.33	0.67	7.31	0.01	0.05	5.40	0.32	0.68	7.30	0.01	0.05
5.41	0.30	0.70	7.30	0.01	0.05	5.42	0.31	0.69	7.29	0.01	0.05
5.43	0.32	0.68	7.29	0.01	0.05	5.44	0.34	0.66	7.28	0.01	0.05
5.45	0.36	0.64	7.28	0.01	0.05	5.46	0.33	0.67	7.27	0.01	0.05
5.47	0.33	0.67	7.27	0.01	0.05	5.48	0.32	0.68	7.26	0.01	0.05
5.49	0.31	0.69	7.26	0.01	0.05	5.50	0.30	0.70	7.25	0.01	0.05
5.51	2.00	0.00	7.25	0.01	0.00	5.52	2.00	0.00	7.24	0.01	0.00
5.53	2.00	0.00	7.24	0.01	0.00	5.54	2.00	0.00	7.23	0.01	0.00
5.55	2.00	0.00	7.23	0.01	0.00	5.56	2.00	0.00	7.22	0.01	0.00
5.57	2.00	0.00	7.22	0.01	0.00	5.58	2.00	0.00	7.21	0.01	0.00
5.59	2.00	0.00	7.21	0.01	0.00	5.60	2.00	0.00	7.20	0.01	0.00
5.61	2.00	0.00	7.20	0.01	0.00	5.62	2.00	0.00	7.19	0.01	0.00
5.63	2.00	0.00	7.19	0.01	0.00	5.64	2.00	0.00	7.18	0.01	0.00
5.65	2.00	0.00	7.18	0.01	0.00	5.66	2.00	0.00	7.17	0.01	0.00
5.67	2.00	0.00	7.17	0.01	0.00	5.68	2.00	0.00	7.16	0.01	0.00
5.69	2.00	0.00	7.16	0.01	0.00	5.70	2.00	0.00	7.15	0.01	0.00
5.71	2.00	0.00	7.15	0.01	0.00	5.72	2.00	0.00	7.14	0.01	0.00
5.73	2.00	0.00	7.14	0.01	0.00	5.74	2.00	0.00	7.13	0.01	0.00
5.75	0.29	0.71	7.13	0.01	0.05	5.76	0.31	0.69	7.12	0.01	0.05



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.31	0.69	7.12	0.01	0.05	5.78	0.32	0.68	7.11	0.01	0.05
5.79	0.32	0.68	7.11	0.01	0.05	5.80	0.32	0.68	7.10	0.01	0.05
5.81	0.31	0.69	7.10	0.01	0.05	5.82	0.31	0.69	7.09	0.01	0.05
5.83	0.31	0.69	7.09	0.01	0.05	5.84	0.30	0.70	7.08	0.01	0.05
5.85	0.30	0.70	7.08	0.01	0.05	5.86	0.29	0.71	7.07	0.01	0.05
5.87	0.29	0.71	7.07	0.01	0.05	5.88	0.29	0.71	7.06	0.01	0.05
5.89	0.29	0.71	7.06	0.01	0.05	5.90	0.31	0.69	7.05	0.01	0.05
5.91	0.29	0.71	7.05	0.01	0.05	5.92	0.30	0.70	7.04	0.01	0.05
5.93	0.29	0.71	7.04	0.01	0.05	5.94	0.30	0.70	7.03	0.01	0.05
5.95	0.29	0.71	7.03	0.01	0.05	5.96	0.30	0.70	7.02	0.01	0.05
5.97	0.30	0.70	7.02	0.01	0.05	5.98	0.30	0.70	7.01	0.01	0.05
5.99	0.30	0.70	7.01	0.01	0.05	6.00	0.31	0.69	7.00	0.01	0.05
6.01	0.32	0.68	7.00	0.01	0.05	6.02	0.32	0.68	6.99	0.01	0.05
6.03	0.31	0.69	6.99	0.01	0.05	6.04	0.30	0.70	6.98	0.01	0.05
6.05	0.30	0.70	6.98	0.01	0.05	6.06	0.29	0.71	6.97	0.01	0.05
6.07	0.29	0.71	6.97	0.01	0.05	6.08	0.28	0.72	6.96	0.01	0.05
6.09	0.28	0.72	6.96	0.01	0.05	6.10	0.28	0.72	6.95	0.01	0.05
6.11	0.28	0.72	6.95	0.01	0.05	6.12	0.28	0.72	6.94	0.01	0.05
6.13	0.28	0.72	6.94	0.01	0.05	6.14	0.27	0.73	6.93	0.01	0.05
6.15	0.28	0.72	6.93	0.01	0.05	6.16	0.28	0.72	6.92	0.01	0.05
6.17	0.28	0.72	6.92	0.01	0.05	6.18	0.29	0.71	6.91	0.01	0.05
6.19	0.30	0.70	6.91	0.01	0.05	6.20	0.30	0.70	6.90	0.01	0.05
6.21	0.31	0.69	6.90	0.01	0.05	6.22	0.31	0.69	6.89	0.01	0.05
6.23	0.31	0.69	6.89	0.01	0.05	6.24	0.31	0.69	6.88	0.01	0.05
6.25	0.31	0.69	6.88	0.01	0.05	6.26	0.31	0.69	6.87	0.01	0.05
6.27	0.31	0.69	6.87	0.01	0.05	6.28	0.31	0.69	6.86	0.01	0.05
6.29	0.31	0.69	6.86	0.01	0.05	6.30	0.31	0.69	6.85	0.01	0.05
6.31	0.32	0.68	6.85	0.01	0.05	6.32	0.32	0.68	6.84	0.01	0.05
6.33	0.32	0.68	6.84	0.01	0.05	6.34	0.32	0.68	6.83	0.01	0.05
6.35	0.31	0.69	6.83	0.01	0.05	6.36	0.31	0.69	6.82	0.01	0.05
6.37	0.30	0.70	6.82	0.01	0.05	6.38	0.28	0.72	6.81	0.01	0.05
6.39	0.30	0.70	6.81	0.01	0.05	6.40	0.31	0.69	6.80	0.01	0.05
6.41	0.33	0.67	6.80	0.01	0.05	6.42	0.33	0.67	6.79	0.01	0.05
6.43	0.33	0.67	6.79	0.01	0.05	6.44	0.31	0.69	6.78	0.01	0.05
6.45	0.30	0.70	6.78	0.01	0.05	6.46	0.28	0.72	6.77	0.01	0.05
6.47	0.27	0.73	6.77	0.01	0.05	6.48	0.27	0.73	6.76	0.01	0.05
6.49	0.27	0.73	6.76	0.01	0.05	6.50	0.28	0.72	6.75	0.01	0.05
6.51	0.29	0.71	6.75	0.01	0.05	6.52	0.29	0.71	6.74	0.01	0.05
6.53	0.30	0.70	6.74	0.01	0.05	6.54	0.30	0.70	6.73	0.01	0.05
6.55	0.31	0.69	6.73	0.01	0.05	6.56	0.31	0.69	6.72	0.01	0.05
6.57	0.31	0.69	6.72	0.01	0.05	6.58	0.30	0.70	6.71	0.01	0.05
6.59	0.30	0.70	6.71	0.01	0.05	6.60	0.29	0.71	6.70	0.01	0.05
6.61	0.28	0.72	6.70	0.01	0.05	6.62	0.28	0.72	6.69	0.01	0.05
6.63	0.28	0.72	6.69	0.01	0.05	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	0.25	0.75	6.47	0.01	0.05	7.08	0.41	0.59	6.46	0.01	0.04
7.09	0.31	0.69	6.46	0.01	0.04	7.10	0.37	0.63	6.45	0.01	0.04
7.11	0.30	0.70	6.45	0.01	0.04	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

<b>:: Liquefaction Potential Index calculation data :: (continued)</b>											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
<b>Overall liquefaction potential: 18.41</b>											

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point

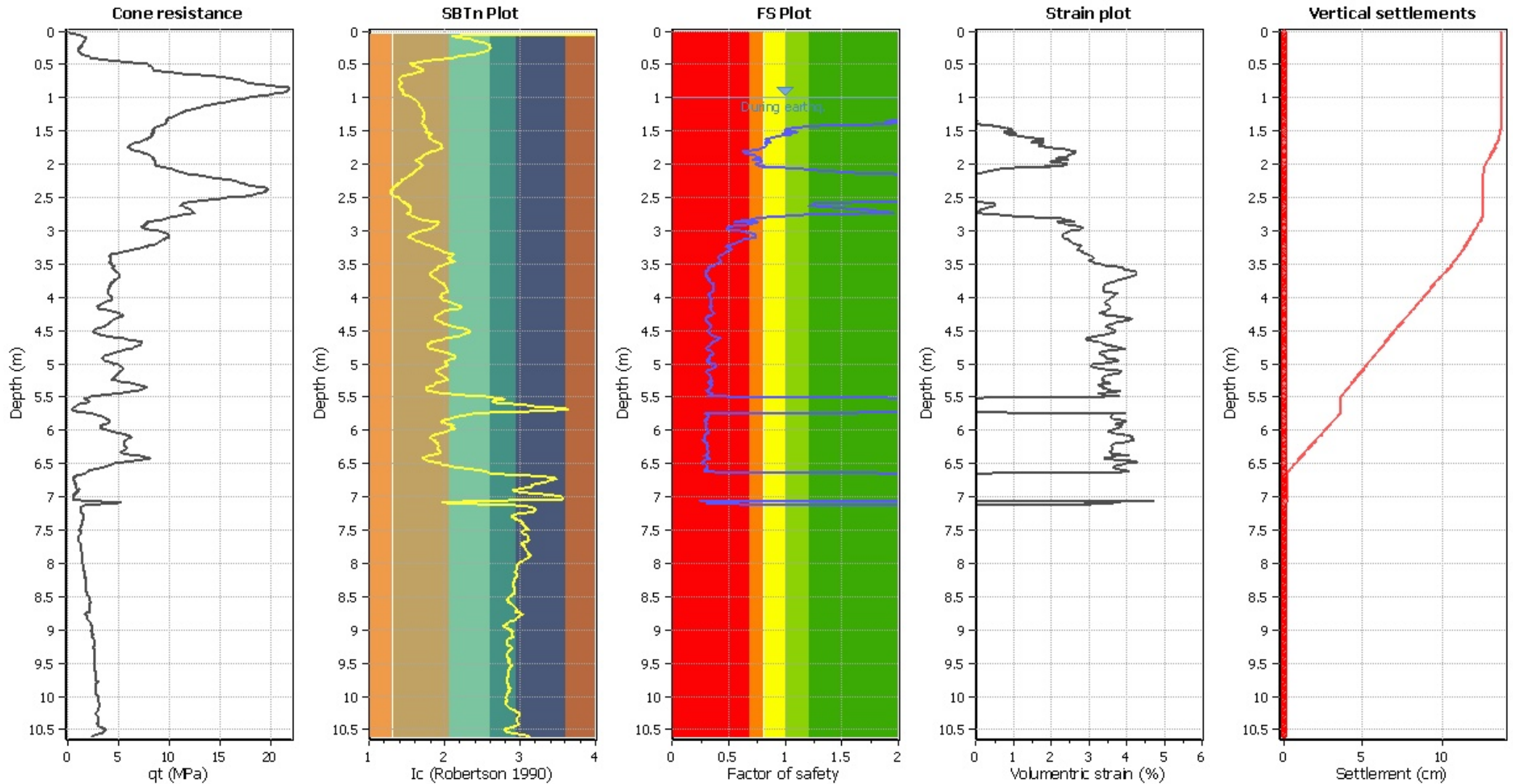
F<sub>L</sub>: 1 - FS

w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth

d<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	254.00	2.00	0.00	1.00	0.00	1.01	254.00	2.00	0.00	1.00	0.00
1.02	254.00	2.00	0.00	1.00	0.00	1.03	254.00	2.00	0.00	1.00	0.00
1.04	253.01	2.00	0.00	1.00	0.00	1.05	249.29	2.00	0.00	1.00	0.00
1.06	242.73	2.00	0.00	1.00	0.00	1.07	240.24	2.00	0.00	1.00	0.00
1.08	238.01	2.00	0.00	1.00	0.00	1.09	233.76	2.00	0.00	1.00	0.00
1.10	229.48	2.00	0.00	1.00	0.00	1.11	225.76	2.00	0.00	1.00	0.00
1.12	219.78	2.00	0.00	1.00	0.00	1.13	216.63	2.00	0.00	1.00	0.00
1.14	212.47	2.00	0.00	1.00	0.00	1.15	209.50	2.00	0.00	1.00	0.00
1.16	207.01	2.00	0.00	1.00	0.00	1.17	202.77	2.00	0.00	1.00	0.00
1.18	200.52	2.00	0.00	1.00	0.00	1.19	196.39	2.00	0.00	1.00	0.00
1.20	193.26	2.00	0.00	1.00	0.00	1.21	191.89	2.00	0.00	1.00	0.00
1.22	189.13	2.00	0.00	1.00	0.00	1.23	186.63	2.00	0.00	1.00	0.00
1.24	185.39	2.00	0.00	1.00	0.00	1.25	183.78	2.00	0.00	1.00	0.00
1.26	180.70	2.00	0.00	1.00	0.00	1.27	176.84	2.00	0.00	1.00	0.00
1.28	173.15	2.00	0.00	1.00	0.00	1.29	171.30	2.00	0.00	1.00	0.00
1.30	167.44	2.00	0.00	1.00	0.00	1.31	164.25	2.00	0.00	1.00	0.00
1.32	163.92	2.00	0.00	1.00	0.00	1.33	163.58	2.00	0.00	1.00	0.00
1.34	163.25	1.99	0.00	1.00	0.00	1.35	162.41	1.93	0.03	1.00	0.00
1.36	161.74	1.88	0.05	1.00	0.00	1.37	161.90	1.89	0.05	1.00	0.00
1.38	163.75	2.00	0.00	1.00	0.00	1.39	163.08	1.95	0.02	1.00	0.00
1.40	159.72	1.74	0.12	1.00	0.00	1.41	151.84	1.36	0.39	1.00	0.00
1.42	149.83	1.29	0.47	1.00	0.00	1.43	148.48	1.24	0.53	1.00	0.01
1.44	146.97	1.18	0.60	1.00	0.01	1.45	145.29	1.13	0.69	1.00	0.01
1.46	143.11	1.07	0.81	1.00	0.01	1.47	142.11	1.04	0.87	1.00	0.01
1.48	140.77	1.00	0.96	1.00	0.01	1.49	140.43	0.99	0.99	1.00	0.01
1.50	141.94	1.03	0.90	1.00	0.01	1.51	144.96	1.10	0.74	1.00	0.01
1.52	142.01	1.02	0.91	1.00	0.01	1.53	139.85	0.97	1.06	1.00	0.01
1.54	143.65	1.06	0.82	1.00	0.01	1.55	143.26	1.05	0.85	1.00	0.01
1.56	141.36	1.00	0.98	1.00	0.01	1.57	140.95	0.99	1.01	1.00	0.01
1.58	139.16	0.94	1.15	1.00	0.01	1.59	138.20	0.92	1.24	1.00	0.01
1.60	136.52	0.89	1.40	1.00	0.01	1.61	135.77	0.87	1.49	1.00	0.01
1.62	133.52	0.83	1.77	1.00	0.02	1.63	133.49	0.82	1.79	1.00	0.02
1.64	135.22	0.85	1.58	1.00	0.02	1.65	135.32	0.85	1.58	1.00	0.02
1.66	136.61	0.87	1.44	1.00	0.01	1.67	135.77	0.86	1.54	1.00	0.02
1.68	133.70	0.82	1.82	1.00	0.02	1.69	134.53	0.83	1.72	1.00	0.02
1.70	134.26	0.82	1.76	1.00	0.02	1.71	135.15	0.84	1.66	1.00	0.02
1.72	135.27	0.84	1.65	1.00	0.02	1.73	134.62	0.83	1.75	1.00	0.02
1.74	134.18	0.82	1.82	1.00	0.02	1.75	133.85	0.81	1.88	1.00	0.02
1.76	132.81	0.79	2.06	1.00	0.02	1.77	130.63	0.76	2.42	1.00	0.02
1.78	129.99	0.74	2.43	1.00	0.02	1.79	125.76	0.69	2.52	1.00	0.03
1.80	124.42	0.67	2.55	1.00	0.03	1.81	120.63	0.63	2.64	1.00	0.03
1.82	121.13	0.63	2.63	1.00	0.03	1.83	121.20	0.63	2.63	1.00	0.03
1.84	122.30	0.64	2.60	1.00	0.03	1.85	125.78	0.68	2.52	1.00	0.03
1.86	127.31	0.70	2.49	1.00	0.02	1.87	129.70	0.73	2.44	1.00	0.02
1.88	130.71	0.74	2.42	1.00	0.02	1.89	131.46	0.75	2.40	1.00	0.02
1.90	133.45	0.78	2.12	1.00	0.02	1.91	133.21	0.77	2.17	1.00	0.02
1.92	132.97	0.77	2.23	1.00	0.02	1.93	128.51	0.70	2.47	1.00	0.02
1.94	132.26	0.76	2.39	1.00	0.02	1.95	133.88	0.78	2.10	1.00	0.02



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	134.75	0.79	1.96	1.00	0.02	1.97	134.40	0.79	2.03	1.00	0.02
1.98	133.31	0.77	2.24	1.00	0.02	1.99	132.09	0.75	2.39	1.00	0.02
2.00	130.76	0.73	2.42	1.00	0.02	2.01	132.98	0.76	2.34	1.00	0.02
2.02	136.17	0.81	1.80	1.00	0.02	2.03	135.20	0.79	1.95	1.00	0.02
2.04	138.61	0.85	1.51	1.00	0.02	2.05	140.42	0.88	1.33	1.00	0.01
2.06	147.70	1.06	0.81	1.00	0.01	2.07	150.18	1.13	0.67	1.00	0.01
2.08	152.07	1.19	0.58	1.00	0.01	2.09	153.70	1.24	0.51	1.00	0.01
2.10	157.08	1.38	0.37	1.00	0.00	2.11	158.58	1.44	0.32	1.00	0.00
2.12	159.96	1.50	0.27	1.00	0.00	2.13	161.80	1.60	0.20	1.00	0.00
2.14	169.05	2.00	0.00	1.00	0.00	2.15	173.58	2.00	0.00	1.00	0.00
2.16	177.63	2.00	0.00	1.00	0.00	2.17	181.77	2.00	0.00	1.00	0.00
2.18	184.87	2.00	0.00	1.00	0.00	2.19	190.15	2.00	0.00	1.00	0.00
2.20	192.88	2.00	0.00	1.00	0.00	2.21	195.70	2.00	0.00	1.00	0.00
2.22	200.13	2.00	0.00	1.00	0.00	2.23	212.65	2.00	0.00	1.00	0.00
2.24	214.84	2.00	0.00	1.00	0.00	2.25	216.92	2.00	0.00	1.00	0.00
2.26	220.65	2.00	0.00	1.00	0.00	2.27	223.64	2.00	0.00	1.00	0.00
2.28	225.28	2.00	0.00	1.00	0.00	2.29	226.08	2.00	0.00	1.00	0.00
2.30	227.61	2.00	0.00	1.00	0.00	2.31	228.29	2.00	0.00	1.00	0.00
2.32	230.05	2.00	0.00	1.00	0.00	2.33	233.26	2.00	0.00	1.00	0.00
2.34	241.84	2.00	0.00	1.00	0.00	2.35	246.44	2.00	0.00	1.00	0.00
2.36	250.61	2.00	0.00	1.00	0.00	2.37	248.99	2.00	0.00	1.00	0.00
2.38	248.03	2.00	0.00	1.00	0.00	2.39	248.29	2.00	0.00	1.00	0.00
2.40	248.92	2.00	0.00	1.00	0.00	2.41	248.72	2.00	0.00	1.00	0.00
2.42	245.17	2.00	0.00	1.00	0.00	2.43	243.51	2.00	0.00	1.00	0.00
2.44	237.00	2.00	0.00	1.00	0.00	2.45	237.61	2.00	0.00	1.00	0.00
2.46	235.32	2.00	0.00	1.00	0.00	2.47	232.50	2.00	0.00	1.00	0.00
2.48	229.37	2.00	0.00	1.00	0.00	2.49	220.63	2.00	0.00	1.00	0.00
2.50	215.40	2.00	0.00	1.00	0.00	2.51	203.65	2.00	0.00	1.00	0.00
2.52	199.68	2.00	0.00	1.00	0.00	2.53	190.28	2.00	0.00	1.00	0.00
2.54	184.81	2.00	0.00	1.00	0.00	2.55	179.52	2.00	0.00	1.00	0.00
2.56	169.25	1.98	0.01	1.00	0.00	2.57	164.45	1.66	0.16	1.00	0.00
2.58	161.76	1.51	0.26	1.00	0.00	2.59	155.87	1.25	0.50	1.00	0.00
2.60	156.12	1.26	0.49	1.00	0.00	2.61	155.90	1.25	0.50	1.00	0.01
2.62	154.78	1.21	0.55	1.00	0.01	2.63	155.25	1.22	0.53	1.00	0.01
2.64	156.62	1.27	0.47	1.00	0.00	2.65	160.37	1.43	0.32	1.00	0.00
2.66	161.51	1.49	0.28	1.00	0.00	2.67	162.86	1.56	0.23	1.00	0.00
2.68	164.55	1.65	0.17	1.00	0.00	2.69	166.90	1.79	0.09	1.00	0.00
2.70	166.80	1.78	0.10	1.00	0.00	2.71	167.70	1.84	0.07	1.00	0.00
2.72	168.59	1.90	0.04	1.00	0.00	2.73	169.37	1.96	0.02	1.00	0.00
2.74	169.38	1.96	0.02	1.00	0.00	2.75	165.05	1.67	0.16	1.00	0.00
2.76	162.49	1.52	0.25	1.00	0.00	2.77	153.93	1.16	0.62	1.00	0.01
2.78	147.09	0.96	1.02	1.00	0.01	2.79	143.42	0.87	1.33	1.00	0.01
2.80	140.31	0.81	1.66	1.00	0.02	2.81	136.95	0.75	2.17	1.00	0.02
2.82	134.51	0.71	2.34	1.00	0.02	2.83	132.77	0.69	2.38	1.00	0.02
2.84	131.85	0.67	2.40	1.00	0.02	2.85	127.39	0.62	2.49	1.00	0.02
2.86	121.41	0.56	2.62	1.00	0.03	2.87	132.76	0.68	2.38	1.00	0.02
2.88	137.34	0.75	2.13	1.00	0.02	2.89	134.39	0.71	2.35	1.00	0.02
2.90	131.84	0.67	2.40	1.00	0.02	2.91	130.95	0.66	2.42	1.00	0.02

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	127.77	0.62	2.48	1.00	0.02	2.93	115.59	0.50	2.76	1.00	0.03
2.94	113.58	0.49	2.82	1.00	0.03	2.95	114.36	0.49	2.79	1.00	0.03
2.96	112.59	0.48	2.84	1.00	0.03	2.97	113.47	0.49	2.82	1.00	0.03
2.98	113.15	0.48	2.83	1.00	0.03	2.99	114.83	0.50	2.78	1.00	0.03
3.00	116.68	0.51	2.74	1.00	0.03	3.01	127.18	0.61	2.49	1.00	0.02
3.02	130.74	0.65	2.42	1.00	0.02	3.03	133.34	0.68	2.37	1.00	0.02
3.04	134.76	0.70	2.34	1.00	0.02	3.05	136.18	0.73	2.31	1.00	0.02
3.06	136.44	0.73	2.31	1.00	0.02	3.07	136.47	0.73	2.31	1.00	0.02
3.08	136.62	0.73	2.30	1.00	0.02	3.09	136.76	0.73	2.30	1.00	0.02
3.10	136.33	0.73	2.31	1.00	0.02	3.11	135.55	0.71	2.33	1.00	0.02
3.12	134.54	0.70	2.34	1.00	0.02	3.13	131.43	0.65	2.41	1.00	0.02
3.14	129.60	0.63	2.44	1.00	0.02	3.15	127.99	0.61	2.48	1.00	0.02
3.16	126.73	0.60	2.50	1.00	0.03	3.17	124.88	0.58	2.54	1.00	0.03
3.18	123.85	0.57	2.57	1.00	0.03	3.19	122.71	0.56	2.59	1.00	0.03
3.20	121.00	0.54	2.63	1.00	0.03	3.21	116.97	0.51	2.73	1.00	0.03
3.22	114.92	0.49	2.78	1.00	0.03	3.23	113.89	0.48	2.81	1.00	0.03
3.24	113.77	0.48	2.81	1.00	0.03	3.25	115.81	0.50	2.76	1.00	0.03
3.26	116.42	0.50	2.74	1.00	0.03	3.27	117.49	0.51	2.72	1.00	0.03
3.28	117.98	0.51	2.70	1.00	0.03	3.29	119.92	0.53	2.66	1.00	0.03
3.30	113.73	0.48	2.81	1.00	0.03	3.31	112.76	0.47	2.84	1.00	0.03
3.32	114.10	0.48	2.80	1.00	0.03	3.33	113.59	0.48	2.81	1.00	0.03
3.34	109.80	0.45	2.92	1.00	0.03	3.35	109.72	0.45	2.92	1.00	0.03
3.36	108.76	0.44	2.95	1.00	0.03	3.37	107.00	0.43	3.00	1.00	0.03
3.38	105.36	0.42	3.05	1.00	0.03	3.39	103.81	0.42	3.09	1.00	0.03
3.40	102.96	0.41	3.12	1.00	0.03	3.41	102.95	0.41	3.12	1.00	0.03
3.42	103.37	0.41	3.11	1.00	0.03	3.43	104.53	0.42	3.07	1.00	0.03
3.44	106.41	0.43	3.01	1.00	0.03	3.45	106.72	0.43	3.00	1.00	0.03
3.46	107.06	0.43	2.99	1.00	0.03	3.47	106.04	0.43	3.02	1.00	0.03
3.48	104.69	0.42	3.07	1.00	0.03	3.49	102.70	0.41	3.13	1.00	0.03
3.50	100.81	0.40	3.19	1.00	0.03	3.51	97.38	0.38	3.30	1.00	0.03
3.52	94.06	0.37	3.42	1.00	0.03	3.53	89.37	0.35	3.60	1.00	0.04
3.54	84.59	0.33	3.80	1.00	0.04	3.55	82.02	0.32	3.91	1.00	0.04
3.56	82.12	0.32	3.91	1.00	0.04	3.57	82.69	0.32	3.88	1.00	0.04
3.58	82.52	0.32	3.89	1.00	0.04	3.59	82.06	0.32	3.91	1.00	0.04
3.60	79.61	0.31	4.03	1.00	0.04	3.61	77.11	0.30	4.15	1.00	0.04
3.62	75.85	0.30	4.22	1.00	0.04	3.63	74.78	0.30	4.28	1.00	0.04
3.64	75.67	0.30	4.23	1.00	0.04	3.65	75.12	0.30	4.26	1.00	0.04
3.66	75.12	0.30	4.26	1.00	0.04	3.67	76.04	0.30	4.21	1.00	0.04
3.68	77.11	0.30	4.15	1.00	0.04	3.69	78.36	0.31	4.09	1.00	0.04
3.70	79.04	0.31	4.06	1.00	0.04	3.71	79.66	0.31	4.03	1.00	0.04
3.72	81.51	0.32	3.94	1.00	0.04	3.73	82.62	0.32	3.89	1.00	0.04
3.74	84.59	0.32	3.80	1.00	0.04	3.75	85.51	0.33	3.76	1.00	0.04
3.76	86.70	0.33	3.71	1.00	0.04	3.77	88.92	0.34	3.62	1.00	0.04
3.78	90.62	0.35	3.55	1.00	0.04	3.79	92.53	0.35	3.48	1.00	0.03
3.80	93.32	0.36	3.45	1.00	0.03	3.81	93.79	0.36	3.43	1.00	0.03
3.82	94.60	0.36	3.40	1.00	0.03	3.83	94.18	0.36	3.41	1.00	0.03
3.84	94.92	0.36	3.39	1.00	0.03	3.85	94.78	0.36	3.39	1.00	0.03
3.86	94.80	0.36	3.39	1.00	0.03	3.87	95.00	0.36	3.38	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	94.68	0.36	3.40	1.00	0.03	3.89	94.93	0.36	3.39	1.00	0.03
3.90	95.01	0.36	3.38	1.00	0.03	3.91	94.97	0.36	3.39	1.00	0.03
3.92	92.99	0.35	3.46	1.00	0.03	3.93	86.49	0.33	3.72	1.00	0.04
3.94	84.88	0.32	3.79	1.00	0.04	3.95	85.19	0.32	3.77	1.00	0.04
3.96	85.95	0.32	3.74	1.00	0.04	3.97	87.18	0.33	3.69	1.00	0.04
3.98	87.68	0.33	3.67	1.00	0.04	3.99	88.00	0.33	3.65	1.00	0.04
4.00	88.56	0.33	3.63	1.00	0.04	4.01	90.06	0.34	3.57	1.00	0.04
4.02	90.56	0.34	3.55	1.00	0.04	4.03	91.14	0.34	3.53	1.00	0.04
4.04	91.54	0.34	3.51	1.00	0.04	4.05	93.05	0.35	3.46	1.00	0.03
4.06	92.60	0.35	3.47	1.00	0.03	4.07	93.63	0.35	3.43	1.00	0.03
4.08	93.69	0.35	3.43	1.00	0.03	4.09	93.59	0.35	3.44	1.00	0.03
4.10	93.66	0.35	3.43	1.00	0.03	4.11	91.68	0.34	3.51	1.00	0.04
4.12	91.60	0.34	3.51	1.00	0.04	4.13	91.09	0.34	3.53	1.00	0.04
4.14	90.62	0.34	3.55	1.00	0.04	4.15	90.30	0.34	3.56	1.00	0.04
4.16	89.88	0.34	3.58	1.00	0.04	4.17	91.28	0.34	3.52	1.00	0.04
4.18	91.72	0.34	3.51	1.00	0.04	4.19	92.19	0.34	3.49	1.00	0.03
4.20	92.52	0.34	3.48	1.00	0.03	4.21	92.06	0.34	3.49	1.00	0.03
4.22	95.40	0.36	3.37	1.00	0.03	4.23	96.21	0.36	3.34	1.00	0.03
4.24	97.91	0.37	3.28	1.00	0.03	4.25	95.97	0.36	3.35	1.00	0.03
4.26	93.52	0.35	3.44	1.00	0.03	4.27	87.66	0.33	3.67	1.00	0.04
4.28	85.85	0.32	3.74	1.00	0.04	4.29	84.66	0.31	3.79	1.00	0.04
4.30	83.22	0.31	3.86	1.00	0.04	4.31	79.84	0.30	4.02	1.00	0.04
4.32	78.09	0.29	4.10	1.00	0.04	4.33	77.45	0.29	4.14	1.00	0.04
4.34	78.08	0.29	4.10	1.00	0.04	4.35	80.47	0.30	3.99	1.00	0.04
4.36	82.09	0.31	3.91	1.00	0.04	4.37	84.59	0.31	3.80	1.00	0.04
4.38	86.31	0.32	3.72	1.00	0.04	4.39	87.93	0.32	3.66	1.00	0.04
4.40	89.45	0.33	3.59	1.00	0.04	4.41	91.51	0.34	3.51	1.00	0.04
4.42	91.94	0.34	3.50	1.00	0.03	4.43	93.02	0.34	3.46	1.00	0.03
4.44	93.23	0.34	3.45	1.00	0.03	4.45	93.94	0.35	3.42	1.00	0.03
4.46	91.14	0.33	3.53	1.00	0.04	4.47	90.12	0.33	3.57	1.00	0.04
4.48	89.07	0.33	3.61	1.00	0.04	4.49	87.98	0.32	3.65	1.00	0.04
4.50	87.22	0.32	3.69	1.00	0.04	4.51	86.58	0.32	3.71	1.00	0.04
4.52	87.30	0.32	3.68	1.00	0.04	4.53	88.80	0.33	3.62	1.00	0.04
4.54	90.17	0.33	3.57	1.00	0.04	4.55	91.37	0.33	3.52	1.00	0.04
4.56	92.28	0.34	3.48	1.00	0.03	4.57	95.69	0.35	3.36	1.00	0.03
4.58	98.78	0.36	3.25	1.00	0.03	4.59	101.83	0.38	3.15	1.00	0.03
4.60	103.02	0.38	3.12	1.00	0.03	4.61	109.28	0.42	2.93	1.00	0.03
4.62	109.30	0.42	2.93	1.00	0.03	4.63	109.08	0.42	2.94	1.00	0.03
4.64	107.36	0.41	2.99	1.00	0.03	4.65	103.57	0.39	3.10	1.00	0.03
4.66	101.48	0.38	3.17	1.00	0.03	4.67	98.29	0.36	3.27	1.00	0.03
4.68	97.53	0.36	3.30	1.00	0.03	4.69	96.37	0.35	3.34	1.00	0.03
4.70	95.31	0.35	3.37	1.00	0.03	4.71	93.78	0.34	3.43	1.00	0.03
4.72	92.25	0.34	3.49	1.00	0.03	4.73	90.20	0.33	3.56	1.00	0.04
4.74	88.03	0.32	3.65	1.00	0.04	4.75	86.01	0.31	3.74	1.00	0.04
4.76	82.33	0.30	3.90	1.00	0.04	4.77	81.39	0.30	3.94	1.00	0.04
4.78	82.18	0.30	3.91	1.00	0.04	4.79	86.43	0.31	3.72	1.00	0.04
4.80	89.51	0.32	3.59	1.00	0.04	4.81	93.98	0.34	3.42	1.00	0.03
4.82	96.15	0.35	3.34	1.00	0.03	4.83	98.50	0.36	3.26	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	97.39	0.35	3.30	1.00	0.03	4.85	97.88	0.36	3.28	1.00	0.03
4.86	97.12	0.35	3.31	1.00	0.03	4.87	96.15	0.35	3.34	1.00	0.03
4.88	95.62	0.35	3.36	1.00	0.03	4.89	93.57	0.34	3.44	1.00	0.03
4.90	93.44	0.34	3.44	1.00	0.03	4.91	93.53	0.34	3.44	1.00	0.03
4.92	92.31	0.33	3.48	1.00	0.03	4.93	87.85	0.32	3.66	1.00	0.04
4.94	86.01	0.31	3.74	1.00	0.04	4.95	85.63	0.31	3.75	1.00	0.04
4.96	84.87	0.31	3.79	1.00	0.04	4.97	88.43	0.32	3.64	1.00	0.04
4.98	90.40	0.33	3.56	1.00	0.04	4.99	93.58	0.34	3.44	1.00	0.03
5.00	97.27	0.35	3.30	1.00	0.03	5.01	102.68	0.38	3.13	1.00	0.03
5.02	104.71	0.39	3.06	1.00	0.03	5.03	105.27	0.39	3.05	1.00	0.03
5.04	104.21	0.38	3.08	1.00	0.03	5.05	103.75	0.38	3.09	1.00	0.03
5.06	101.05	0.37	3.18	1.00	0.03	5.07	98.95	0.36	3.25	1.00	0.03
5.08	96.38	0.35	3.34	1.00	0.03	5.09	91.44	0.33	3.52	1.00	0.04
5.10	86.23	0.31	3.73	1.00	0.04	5.11	82.34	0.30	3.90	1.00	0.04
5.12	82.41	0.30	3.90	1.00	0.04	5.13	83.31	0.30	3.85	1.00	0.04
5.14	84.62	0.30	3.80	1.00	0.04	5.15	86.74	0.31	3.71	1.00	0.04
5.16	88.92	0.32	3.62	1.00	0.04	5.17	91.47	0.33	3.52	1.00	0.04
5.18	93.06	0.33	3.46	1.00	0.03	5.19	94.46	0.34	3.40	1.00	0.03
5.20	95.82	0.34	3.36	1.00	0.03	5.21	96.00	0.34	3.35	1.00	0.03
5.22	96.46	0.35	3.33	1.00	0.03	5.23	96.48	0.35	3.33	1.00	0.03
5.24	96.46	0.35	3.33	1.00	0.03	5.25	96.75	0.35	3.32	1.00	0.03
5.26	94.10	0.34	3.42	1.00	0.03	5.27	95.64	0.34	3.36	1.00	0.03
5.28	90.71	0.32	3.54	1.00	0.04	5.29	89.64	0.32	3.59	1.00	0.04
5.30	94.86	0.34	3.39	1.00	0.03	5.31	98.11	0.35	3.28	1.00	0.03
5.32	99.76	0.36	3.22	1.00	0.03	5.33	97.76	0.35	3.29	1.00	0.03
5.34	95.05	0.34	3.38	1.00	0.03	5.35	95.51	0.34	3.37	1.00	0.03
5.36	96.64	0.35	3.33	1.00	0.03	5.37	95.69	0.34	3.36	1.00	0.03
5.38	94.01	0.33	3.42	1.00	0.03	5.39	91.69	0.33	3.51	1.00	0.04
5.40	88.82	0.32	3.62	1.00	0.04	5.41	83.25	0.30	3.86	1.00	0.04
5.42	86.31	0.31	3.72	1.00	0.04	5.43	90.76	0.32	3.54	1.00	0.04
5.44	94.66	0.34	3.40	1.00	0.03	5.45	99.57	0.36	3.23	1.00	0.03
5.46	94.00	0.33	3.42	1.00	0.03	5.47	93.34	0.33	3.45	1.00	0.03
5.48	90.55	0.32	3.55	1.00	0.04	5.49	88.05	0.31	3.65	1.00	0.04
5.50	84.69	0.30	3.79	1.00	0.04	5.51	23.64	2.00	0.00	1.00	0.00
5.52	18.74	2.00	0.00	1.00	0.00	5.53	18.48	2.00	0.00	1.00	0.00
5.54	21.27	2.00	0.00	1.00	0.00	5.55	23.58	2.00	0.00	1.00	0.00
5.56	25.74	2.00	0.00	1.00	0.00	5.57	26.57	2.00	0.00	1.00	0.00
5.58	23.54	2.00	0.00	1.00	0.00	5.59	21.09	2.00	0.00	1.00	0.00
5.60	18.27	2.00	0.00	1.00	0.00	5.61	15.19	2.00	0.00	1.00	0.00
5.62	13.20	2.00	0.00	1.00	0.00	5.63	11.84	2.00	0.00	1.00	0.00
5.64	8.98	2.00	0.00	1.00	0.00	5.65	7.73	2.00	0.00	1.00	0.00
5.66	6.34	2.00	0.00	1.00	0.00	5.67	5.08	2.00	0.00	1.00	0.00
5.68	4.70	2.00	0.00	1.00	0.00	5.69	5.08	2.00	0.00	1.00	0.00
5.70	6.58	2.00	0.00	1.00	0.00	5.71	8.19	2.00	0.00	1.00	0.00
5.72	11.28	2.00	0.00	1.00	0.00	5.73	15.70	2.00	0.00	1.00	0.00
5.74	20.20	2.00	0.00	1.00	0.00	5.75	80.62	0.29	3.98	1.00	0.04
5.76	87.64	0.31	3.67	1.00	0.04	5.77	89.03	0.31	3.61	1.00	0.04
5.78	90.18	0.32	3.57	1.00	0.04	5.79	89.86	0.32	3.58	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	90.37	0.32	3.56	1.00	0.04	5.81	89.24	0.31	3.60	1.00	0.04
5.82	89.14	0.31	3.61	1.00	0.04	5.83	88.32	0.31	3.64	1.00	0.04
5.84	85.99	0.30	3.74	1.00	0.04	5.85	83.95	0.30	3.83	1.00	0.04
5.86	81.47	0.29	3.94	1.00	0.04	5.87	80.99	0.29	3.96	1.00	0.04
5.88	81.22	0.29	3.95	1.00	0.04	5.89	81.89	0.29	3.92	1.00	0.04
5.90	87.04	0.31	3.69	1.00	0.04	5.91	81.58	0.29	3.93	1.00	0.04
5.92	85.14	0.30	3.77	1.00	0.04	5.93	83.15	0.29	3.86	1.00	0.04
5.94	84.36	0.30	3.81	1.00	0.04	5.95	82.62	0.29	3.89	1.00	0.04
5.96	84.02	0.30	3.82	1.00	0.04	5.97	84.71	0.30	3.79	1.00	0.04
5.98	85.88	0.30	3.74	1.00	0.04	5.99	86.84	0.30	3.70	1.00	0.04
6.00	89.36	0.31	3.60	1.00	0.04	6.01	91.49	0.32	3.51	1.00	0.04
6.02	90.96	0.32	3.54	1.00	0.04	6.03	89.83	0.31	3.58	1.00	0.04
6.04	86.78	0.30	3.70	1.00	0.04	6.05	86.01	0.30	3.74	1.00	0.04
6.06	82.77	0.29	3.88	1.00	0.04	6.07	81.24	0.29	3.95	1.00	0.04
6.08	78.90	0.28	4.06	1.00	0.04	6.09	78.54	0.28	4.08	1.00	0.04
6.10	77.37	0.28	4.14	1.00	0.04	6.11	77.29	0.28	4.14	1.00	0.04
6.12	77.17	0.28	4.15	1.00	0.04	6.13	78.02	0.28	4.11	1.00	0.04
6.14	76.69	0.27	4.17	1.00	0.04	6.15	78.16	0.28	4.10	1.00	0.04
6.16	78.93	0.28	4.06	1.00	0.04	6.17	79.84	0.28	4.02	1.00	0.04
6.18	82.19	0.29	3.91	1.00	0.04	6.19	84.30	0.30	3.81	1.00	0.04
6.20	86.33	0.30	3.72	1.00	0.04	6.21	87.58	0.31	3.67	1.00	0.04
6.22	87.60	0.31	3.67	1.00	0.04	6.23	90.14	0.31	3.57	1.00	0.04
6.24	89.75	0.31	3.58	1.00	0.04	6.25	89.52	0.31	3.59	1.00	0.04
6.26	88.76	0.31	3.62	1.00	0.04	6.27	88.48	0.31	3.63	1.00	0.04
6.28	88.57	0.31	3.63	1.00	0.04	6.29	88.53	0.31	3.63	1.00	0.04
6.30	89.83	0.31	3.58	1.00	0.04	6.31	90.46	0.32	3.55	1.00	0.04
6.32	90.99	0.32	3.53	1.00	0.04	6.33	91.00	0.32	3.53	1.00	0.04
6.34	90.88	0.32	3.54	1.00	0.04	6.35	90.05	0.31	3.57	1.00	0.04
6.36	87.67	0.31	3.67	1.00	0.04	6.37	84.37	0.30	3.81	1.00	0.04
6.38	78.85	0.28	4.06	1.00	0.04	6.39	85.80	0.30	3.75	1.00	0.04
6.40	90.46	0.31	3.55	1.00	0.04	6.41	93.92	0.33	3.42	1.00	0.03
6.42	95.53	0.33	3.37	1.00	0.03	6.43	93.71	0.33	3.43	1.00	0.03
6.44	90.05	0.31	3.57	1.00	0.04	6.45	86.05	0.30	3.73	1.00	0.04
6.46	80.30	0.28	3.99	1.00	0.04	6.47	75.13	0.27	4.26	1.00	0.04
6.48	74.89	0.27	4.27	1.00	0.04	6.49	74.88	0.27	4.27	1.00	0.04
6.50	80.12	0.28	4.00	1.00	0.04	6.51	82.65	0.29	3.88	1.00	0.04
6.52	84.48	0.29	3.80	1.00	0.04	6.53	87.41	0.30	3.68	1.00	0.04
6.54	87.28	0.30	3.68	1.00	0.04	6.55	88.83	0.31	3.62	1.00	0.04
6.56	88.85	0.31	3.62	1.00	0.04	6.57	88.40	0.31	3.64	1.00	0.04
6.58	87.32	0.30	3.68	1.00	0.04	6.59	86.39	0.30	3.72	1.00	0.04
6.60	81.48	0.29	3.94	1.00	0.04	6.61	80.45	0.28	3.99	1.00	0.04
6.62	79.37	0.28	4.04	1.00	0.04	6.63	78.60	0.28	4.08	1.00	0.04
6.64	20.79	2.00	0.00	1.00	0.00	6.65	19.15	2.00	0.00	1.00	0.00
6.66	14.39	2.00	0.00	1.00	0.00	6.67	12.16	2.00	0.00	1.00	0.00
6.68	10.64	2.00	0.00	1.00	0.00	6.69	9.35	2.00	0.00	1.00	0.00
6.70	7.82	2.00	0.00	1.00	0.00	6.71	6.64	2.00	0.00	1.00	0.00
6.72	5.93	2.00	0.00	1.00	0.00	6.73	5.93	2.00	0.00	1.00	0.00
6.74	6.16	2.00	0.00	1.00	0.00	6.75	6.51	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	6.74	2.00	0.00	1.00	0.00	6.77	6.97	2.00	0.00	1.00	0.00
6.78	7.79	2.00	0.00	1.00	0.00	6.79	8.25	2.00	0.00	1.00	0.00
6.80	8.24	2.00	0.00	1.00	0.00	6.81	8.24	2.00	0.00	1.00	0.00
6.82	8.47	2.00	0.00	1.00	0.00	6.83	8.58	2.00	0.00	1.00	0.00
6.84	8.34	2.00	0.00	1.00	0.00	6.85	8.11	2.00	0.00	1.00	0.00
6.86	8.10	2.00	0.00	1.00	0.00	6.87	9.14	2.00	0.00	1.00	0.00
6.88	10.76	2.00	0.00	1.00	0.00	6.89	12.37	2.00	0.00	1.00	0.00
6.90	11.56	2.00	0.00	1.00	0.00	6.91	10.97	2.00	0.00	1.00	0.00
6.92	10.97	2.00	0.00	1.00	0.00	6.93	10.96	2.00	0.00	1.00	0.00
6.94	9.45	2.00	0.00	1.00	0.00	6.95	8.41	2.00	0.00	1.00	0.00
6.96	7.36	2.00	0.00	1.00	0.00	6.97	6.55	2.00	0.00	1.00	0.00
6.98	5.96	2.00	0.00	1.00	0.00	6.99	5.61	2.00	0.00	1.00	0.00
7.00	5.14	2.00	0.00	1.00	0.00	7.01	5.03	2.00	0.00	1.00	0.00
7.02	5.02	2.00	0.00	1.00	0.00	7.03	5.02	2.00	0.00	1.00	0.00
7.04	5.13	2.00	0.00	1.00	0.00	7.05	16.48	2.00	0.00	1.00	0.00
7.06	16.48	2.00	0.00	1.00	0.00	7.07	67.37	0.25	4.71	1.00	0.05
7.08	111.97	0.41	2.86	1.00	0.03	7.09	89.63	0.31	3.59	1.00	0.04
7.10	105.67	0.37	3.04	1.00	0.03	7.11	88.22	0.30	3.64	1.00	0.04
7.12	24.53	2.00	0.00	1.00	0.00	7.13	15.95	2.00	0.00	1.00	0.00
7.14	14.69	2.00	0.00	1.00	0.00	7.15	14.01	2.00	0.00	1.00	0.00
7.16	14.11	2.00	0.00	1.00	0.00	7.17	13.65	2.00	0.00	1.00	0.00
7.18	13.42	2.00	0.00	1.00	0.00	7.19	13.29	2.00	0.00	1.00	0.00
7.20	13.40	2.00	0.00	1.00	0.00	7.21	13.73	2.00	0.00	1.00	0.00
7.22	13.72	2.00	0.00	1.00	0.00	7.23	14.39	2.00	0.00	1.00	0.00
7.24	14.83	2.00	0.00	1.00	0.00	7.25	15.50	2.00	0.00	1.00	0.00
7.26	15.94	2.00	0.00	1.00	0.00	7.27	16.26	2.00	0.00	1.00	0.00
7.28	16.59	2.00	0.00	1.00	0.00	7.29	17.03	2.00	0.00	1.00	0.00
7.30	16.91	2.00	0.00	1.00	0.00	7.31	16.57	2.00	0.00	1.00	0.00
7.32	16.44	2.00	0.00	1.00	0.00	7.33	16.32	2.00	0.00	1.00	0.00
7.34	16.20	2.00	0.00	1.00	0.00	7.35	16.19	2.00	0.00	1.00	0.00
7.36	15.84	2.00	0.00	1.00	0.00	7.37	14.94	2.00	0.00	1.00	0.00
7.38	14.82	2.00	0.00	1.00	0.00	7.39	14.93	2.00	0.00	1.00	0.00
7.40	15.25	2.00	0.00	1.00	0.00	7.41	15.47	2.00	0.00	1.00	0.00
7.42	15.23	2.00	0.00	1.00	0.00	7.43	14.45	2.00	0.00	1.00	0.00
7.44	14.21	2.00	0.00	1.00	0.00	7.45	13.87	2.00	0.00	1.00	0.00
7.46	13.64	2.00	0.00	1.00	0.00	7.47	13.41	2.00	0.00	1.00	0.00
7.48	13.07	2.00	0.00	1.00	0.00	7.49	12.17	2.00	0.00	1.00	0.00
7.50	12.27	2.00	0.00	1.00	0.00	7.51	12.60	2.00	0.00	1.00	0.00
7.52	13.04	2.00	0.00	1.00	0.00	7.53	13.14	2.00	0.00	1.00	0.00
7.54	13.36	2.00	0.00	1.00	0.00	7.55	13.35	2.00	0.00	1.00	0.00
7.56	12.90	2.00	0.00	1.00	0.00	7.57	12.56	2.00	0.00	1.00	0.00
7.58	12.22	2.00	0.00	1.00	0.00	7.59	12.10	2.00	0.00	1.00	0.00
7.60	12.10	2.00	0.00	1.00	0.00	7.61	11.98	2.00	0.00	1.00	0.00
7.62	11.86	2.00	0.00	1.00	0.00	7.63	11.97	2.00	0.00	1.00	0.00
7.64	12.07	2.00	0.00	1.00	0.00	7.65	12.06	2.00	0.00	1.00	0.00
7.66	11.84	2.00	0.00	1.00	0.00	7.67	11.83	2.00	0.00	1.00	0.00
7.68	12.49	2.00	0.00	1.00	0.00	7.69	12.70	2.00	0.00	1.00	0.00
7.70	12.80	2.00	0.00	1.00	0.00	7.71	12.91	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	13.01	2.00	0.00	1.00	0.00	7.73	13.00	2.00	0.00	1.00	0.00
7.74	13.10	2.00	0.00	1.00	0.00	7.75	13.10	2.00	0.00	1.00	0.00
7.76	13.20	2.00	0.00	1.00	0.00	7.77	13.19	2.00	0.00	1.00	0.00
7.78	13.41	2.00	0.00	1.00	0.00	7.79	13.62	2.00	0.00	1.00	0.00
7.80	13.72	2.00	0.00	1.00	0.00	7.81	13.82	2.00	0.00	1.00	0.00
7.82	13.92	2.00	0.00	1.00	0.00	7.83	13.91	2.00	0.00	1.00	0.00
7.84	14.23	2.00	0.00	1.00	0.00	7.85	14.23	2.00	0.00	1.00	0.00
7.86	14.22	2.00	0.00	1.00	0.00	7.87	14.10	2.00	0.00	1.00	0.00
7.88	13.87	2.00	0.00	1.00	0.00	7.89	13.87	2.00	0.00	1.00	0.00
7.90	13.97	2.00	0.00	1.00	0.00	7.91	14.18	2.00	0.00	1.00	0.00
7.92	14.17	2.00	0.00	1.00	0.00	7.93	14.16	2.00	0.00	1.00	0.00
7.94	14.70	2.00	0.00	1.00	0.00	7.95	14.58	2.00	0.00	1.00	0.00
7.96	14.57	2.00	0.00	1.00	0.00	7.97	14.56	2.00	0.00	1.00	0.00
7.98	14.56	2.00	0.00	1.00	0.00	7.99	14.77	2.00	0.00	1.00	0.00
8.00	14.87	2.00	0.00	1.00	0.00	8.01	15.18	2.00	0.00	1.00	0.00
8.02	15.07	2.00	0.00	1.00	0.00	8.03	15.38	2.00	0.00	1.00	0.00
8.04	15.48	2.00	0.00	1.00	0.00	8.05	15.47	2.00	0.00	1.00	0.00
8.06	15.47	2.00	0.00	1.00	0.00	8.07	15.57	2.00	0.00	1.00	0.00
8.08	15.66	2.00	0.00	1.00	0.00	8.09	16.09	2.00	0.00	1.00	0.00
8.10	16.19	2.00	0.00	1.00	0.00	8.11	16.39	2.00	0.00	1.00	0.00
8.12	16.71	2.00	0.00	1.00	0.00	8.13	16.91	2.00	0.00	1.00	0.00
8.14	17.01	2.00	0.00	1.00	0.00	8.15	16.89	2.00	0.00	1.00	0.00
8.16	16.99	2.00	0.00	1.00	0.00	8.17	16.88	2.00	0.00	1.00	0.00
8.18	16.87	2.00	0.00	1.00	0.00	8.19	16.96	2.00	0.00	1.00	0.00
8.20	17.17	2.00	0.00	1.00	0.00	8.21	17.48	2.00	0.00	1.00	0.00
8.22	17.90	2.00	0.00	1.00	0.00	8.23	18.00	2.00	0.00	1.00	0.00
8.24	18.41	2.00	0.00	1.00	0.00	8.25	18.62	2.00	0.00	1.00	0.00
8.26	18.50	2.00	0.00	1.00	0.00	8.27	18.49	2.00	0.00	1.00	0.00
8.28	18.59	2.00	0.00	1.00	0.00	8.29	19.11	2.00	0.00	1.00	0.00
8.30	19.10	2.00	0.00	1.00	0.00	8.31	19.09	2.00	0.00	1.00	0.00
8.32	19.08	2.00	0.00	1.00	0.00	8.33	19.07	2.00	0.00	1.00	0.00
8.34	19.16	2.00	0.00	1.00	0.00	8.35	19.15	2.00	0.00	1.00	0.00
8.36	19.14	2.00	0.00	1.00	0.00	8.37	19.03	2.00	0.00	1.00	0.00
8.38	18.91	2.00	0.00	1.00	0.00	8.39	18.90	2.00	0.00	1.00	0.00
8.40	19.00	2.00	0.00	1.00	0.00	8.41	19.09	2.00	0.00	1.00	0.00
8.42	19.19	2.00	0.00	1.00	0.00	8.43	18.97	2.00	0.00	1.00	0.00
8.44	19.06	2.00	0.00	1.00	0.00	8.45	19.26	2.00	0.00	1.00	0.00
8.46	19.36	2.00	0.00	1.00	0.00	8.47	19.56	2.00	0.00	1.00	0.00
8.48	20.07	2.00	0.00	1.00	0.00	8.49	20.28	2.00	0.00	1.00	0.00
8.50	20.48	2.00	0.00	1.00	0.00	8.51	20.78	2.00	0.00	1.00	0.00
8.52	21.19	2.00	0.00	1.00	0.00	8.53	21.28	2.00	0.00	1.00	0.00
8.54	21.38	2.00	0.00	1.00	0.00	8.55	21.79	2.00	0.00	1.00	0.00
8.56	22.40	2.00	0.00	1.00	0.00	8.57	22.60	2.00	0.00	1.00	0.00
8.58	22.48	2.00	0.00	1.00	0.00	8.59	22.16	2.00	0.00	1.00	0.00
8.60	22.04	2.00	0.00	1.00	0.00	8.61	21.61	2.00	0.00	1.00	0.00
8.62	21.39	2.00	0.00	1.00	0.00	8.63	21.38	2.00	0.00	1.00	0.00
8.64	21.37	2.00	0.00	1.00	0.00	8.65	21.25	2.00	0.00	1.00	0.00
8.66	21.24	2.00	0.00	1.00	0.00	8.67	21.12	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	20.90	2.00	0.00	1.00	0.00	8.69	20.79	2.00	0.00	1.00	0.00
8.70	20.88	2.00	0.00	1.00	0.00	8.71	21.08	2.00	0.00	1.00	0.00
8.72	21.07	2.00	0.00	1.00	0.00	8.73	20.95	2.00	0.00	1.00	0.00
8.74	20.63	2.00	0.00	1.00	0.00	8.75	20.41	2.00	0.00	1.00	0.00
8.76	12.49	2.00	0.00	1.00	0.00	8.77	19.45	2.00	0.00	1.00	0.00
8.78	19.13	2.00	0.00	1.00	0.00	8.79	18.81	2.00	0.00	1.00	0.00
8.80	18.70	2.00	0.00	1.00	0.00	8.81	18.58	2.00	0.00	1.00	0.00
8.82	19.19	2.00	0.00	1.00	0.00	8.83	19.29	2.00	0.00	1.00	0.00
8.84	19.38	2.00	0.00	1.00	0.00	8.85	19.37	2.00	0.00	1.00	0.00
8.86	19.47	2.00	0.00	1.00	0.00	8.87	20.39	2.00	0.00	1.00	0.00
8.88	21.10	2.00	0.00	1.00	0.00	8.89	21.50	2.00	0.00	1.00	0.00
8.90	21.90	2.00	0.00	1.00	0.00	8.91	22.41	2.00	0.00	1.00	0.00
8.92	22.40	2.00	0.00	1.00	0.00	8.93	22.39	2.00	0.00	1.00	0.00
8.94	23.82	2.00	0.00	1.00	0.00	8.95	23.50	2.00	0.00	1.00	0.00
8.96	23.28	2.00	0.00	1.00	0.00	8.97	23.16	2.00	0.00	1.00	0.00
8.98	22.95	2.00	0.00	1.00	0.00	8.99	22.52	2.00	0.00	1.00	0.00
9.00	22.72	2.00	0.00	1.00	0.00	9.01	22.60	2.00	0.00	1.00	0.00
9.02	22.28	2.00	0.00	1.00	0.00	9.03	22.58	2.00	0.00	1.00	0.00
9.04	22.87	2.00	0.00	1.00	0.00	9.05	23.27	2.00	0.00	1.00	0.00
9.06	23.46	2.00	0.00	1.00	0.00	9.07	23.86	2.00	0.00	1.00	0.00
9.08	23.85	2.00	0.00	1.00	0.00	9.09	23.63	2.00	0.00	1.00	0.00
9.10	23.41	2.00	0.00	1.00	0.00	9.11	23.20	2.00	0.00	1.00	0.00
9.12	23.80	2.00	0.00	1.00	0.00	9.13	24.60	2.00	0.00	1.00	0.00
9.14	25.00	2.00	0.00	1.00	0.00	9.15	25.09	2.00	0.00	1.00	0.00
9.16	25.18	2.00	0.00	1.00	0.00	9.17	25.26	2.00	0.00	1.00	0.00
9.18	25.25	2.00	0.00	1.00	0.00	9.19	25.14	2.00	0.00	1.00	0.00
9.20	25.02	2.00	0.00	1.00	0.00	9.21	24.91	2.00	0.00	1.00	0.00
9.22	25.00	2.00	0.00	1.00	0.00	9.23	24.98	2.00	0.00	1.00	0.00
9.24	24.97	2.00	0.00	1.00	0.00	9.25	24.55	2.00	0.00	1.00	0.00
9.26	24.24	2.00	0.00	1.00	0.00	9.27	24.32	2.00	0.00	1.00	0.00
9.28	24.31	2.00	0.00	1.00	0.00	9.29	24.40	2.00	0.00	1.00	0.00
9.30	24.59	2.00	0.00	1.00	0.00	9.31	24.98	2.00	0.00	1.00	0.00
9.32	25.27	2.00	0.00	1.00	0.00	9.33	25.56	2.00	0.00	1.00	0.00
9.34	25.85	2.00	0.00	1.00	0.00	9.35	25.84	2.00	0.00	1.00	0.00
9.36	25.93	2.00	0.00	1.00	0.00	9.37	25.92	2.00	0.00	1.00	0.00
9.38	25.80	2.00	0.00	1.00	0.00	9.39	25.79	2.00	0.00	1.00	0.00
9.40	25.78	2.00	0.00	1.00	0.00	9.41	25.66	2.00	0.00	1.00	0.00
9.42	25.35	2.00	0.00	1.00	0.00	9.43	24.93	2.00	0.00	1.00	0.00
9.44	25.02	2.00	0.00	1.00	0.00	9.45	25.11	2.00	0.00	1.00	0.00
9.46	25.40	2.00	0.00	1.00	0.00	9.47	25.48	2.00	0.00	1.00	0.00
9.48	25.47	2.00	0.00	1.00	0.00	9.49	25.26	2.00	0.00	1.00	0.00
9.50	25.04	2.00	0.00	1.00	0.00	9.51	24.83	2.00	0.00	1.00	0.00
9.52	24.82	2.00	0.00	1.00	0.00	9.53	24.71	2.00	0.00	1.00	0.00
9.54	24.69	2.00	0.00	1.00	0.00	9.55	24.68	2.00	0.00	1.00	0.00
9.56	24.87	2.00	0.00	1.00	0.00	9.57	24.96	2.00	0.00	1.00	0.00
9.58	25.04	2.00	0.00	1.00	0.00	9.59	25.13	2.00	0.00	1.00	0.00
9.60	25.22	2.00	0.00	1.00	0.00	9.61	25.21	2.00	0.00	1.00	0.00
9.62	25.19	2.00	0.00	1.00	0.00	9.63	25.48	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
9.64	25.47	2.00	0.00	1.00	0.00	9.65	25.36	2.00	0.00	1.00	0.00
9.66	25.24	2.00	0.00	1.00	0.00	9.67	25.43	2.00	0.00	1.00	0.00
9.68	25.62	2.00	0.00	1.00	0.00	9.69	25.80	2.00	0.00	1.00	0.00
9.70	25.89	2.00	0.00	1.00	0.00	9.71	25.88	2.00	0.00	1.00	0.00
9.72	26.06	2.00	0.00	1.00	0.00	9.73	26.35	2.00	0.00	1.00	0.00
9.74	26.43	2.00	0.00	1.00	0.00	9.75	26.52	2.00	0.00	1.00	0.00
9.76	26.41	2.00	0.00	1.00	0.00	9.77	26.49	2.00	0.00	1.00	0.00
9.78	26.58	2.00	0.00	1.00	0.00	9.79	26.67	2.00	0.00	1.00	0.00
9.80	26.46	2.00	0.00	1.00	0.00	9.81	26.05	2.00	0.00	1.00	0.00
9.82	25.93	2.00	0.00	1.00	0.00	9.83	25.72	2.00	0.00	1.00	0.00
9.84	25.91	2.00	0.00	1.00	0.00	9.85	25.80	2.00	0.00	1.00	0.00
9.86	25.79	2.00	0.00	1.00	0.00	9.87	25.67	2.00	0.00	1.00	0.00
9.88	25.37	2.00	0.00	1.00	0.00	9.89	25.25	2.00	0.00	1.00	0.00
9.90	25.24	2.00	0.00	1.00	0.00	9.91	25.13	2.00	0.00	1.00	0.00
9.92	25.12	2.00	0.00	1.00	0.00	9.93	25.11	2.00	0.00	1.00	0.00
9.94	25.39	2.00	0.00	1.00	0.00	9.95	25.48	2.00	0.00	1.00	0.00
9.96	25.37	2.00	0.00	1.00	0.00	9.97	25.55	2.00	0.00	1.00	0.00
9.98	25.83	2.00	0.00	1.00	0.00	9.99	25.92	2.00	0.00	1.00	0.00
10.00	26.00	2.00	0.00	1.00	0.00	10.01	26.38	2.00	0.00	1.00	0.00
10.02	26.57	2.00	0.00	1.00	0.00	10.03	26.46	2.00	0.00	1.00	0.00
10.04	26.44	2.00	0.00	1.00	0.00	10.05	26.43	2.00	0.00	1.00	0.00
10.06	26.71	2.00	0.00	1.00	0.00	10.07	26.60	2.00	0.00	1.00	0.00
10.08	26.69	2.00	0.00	1.00	0.00	10.09	27.46	2.00	0.00	1.00	0.00
10.10	27.64	2.00	0.00	1.00	0.00	10.11	27.92	2.00	0.00	1.00	0.00
10.12	28.40	2.00	0.00	1.00	0.00	10.13	28.28	2.00	0.00	1.00	0.00
10.14	28.27	2.00	0.00	1.00	0.00	10.15	28.16	2.00	0.00	1.00	0.00
10.16	27.95	2.00	0.00	1.00	0.00	10.17	27.55	2.00	0.00	1.00	0.00
10.18	27.14	2.00	0.00	1.00	0.00	10.19	26.74	2.00	0.00	1.00	0.00
10.20	26.73	2.00	0.00	1.00	0.00	10.21	26.52	2.00	0.00	1.00	0.00
10.22	26.31	2.00	0.00	1.00	0.00	10.23	25.72	2.00	0.00	1.00	0.00
10.24	25.51	2.00	0.00	1.00	0.00	10.25	25.40	2.00	0.00	1.00	0.00
10.26	25.39	2.00	0.00	1.00	0.00	10.27	25.37	2.00	0.00	1.00	0.00
10.28	25.36	2.00	0.00	1.00	0.00	10.29	25.64	2.00	0.00	1.00	0.00
10.30	25.92	2.00	0.00	1.00	0.00	10.31	26.00	2.00	0.00	1.00	0.00
10.32	26.09	2.00	0.00	1.00	0.00	10.33	25.98	2.00	0.00	1.00	0.00
10.34	26.06	2.00	0.00	1.00	0.00	10.35	26.05	2.00	0.00	1.00	0.00
10.36	26.04	2.00	0.00	1.00	0.00	10.37	26.02	2.00	0.00	1.00	0.00
10.38	25.82	2.00	0.00	1.00	0.00	10.39	25.32	2.00	0.00	1.00	0.00
10.40	25.31	2.00	0.00	1.00	0.00	10.41	25.20	2.00	0.00	1.00	0.00
10.42	25.19	2.00	0.00	1.00	0.00	10.43	25.47	2.00	0.00	1.00	0.00
10.44	25.84	2.00	0.00	1.00	0.00	10.45	27.08	2.00	0.00	1.00	0.00
10.46	28.03	2.00	0.00	1.00	0.00	10.47	29.17	2.00	0.00	1.00	0.00
10.48	31.09	2.00	0.00	1.00	0.00	10.49	31.84	2.00	0.00	1.00	0.00
10.50	32.60	2.00	0.00	1.00	0.00	10.51	33.06	2.00	0.00	1.00	0.00
10.52	32.57	2.00	0.00	1.00	0.00	10.53	32.07	2.00	0.00	1.00	0.00
10.54	31.67	2.00	0.00	1.00	0.00	10.55	30.02	2.00	0.00	1.00	0.00
10.56	28.28	2.00	0.00	1.00	0.00	10.57	24.91	2.00	0.00	1.00	0.00
10.58	23.75	2.00	0.00	1.00	0.00	10.59	22.49	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
10.60	21.43	2.00	0.00	1.00	0.00						

**Total estimated settlement: 13.77**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

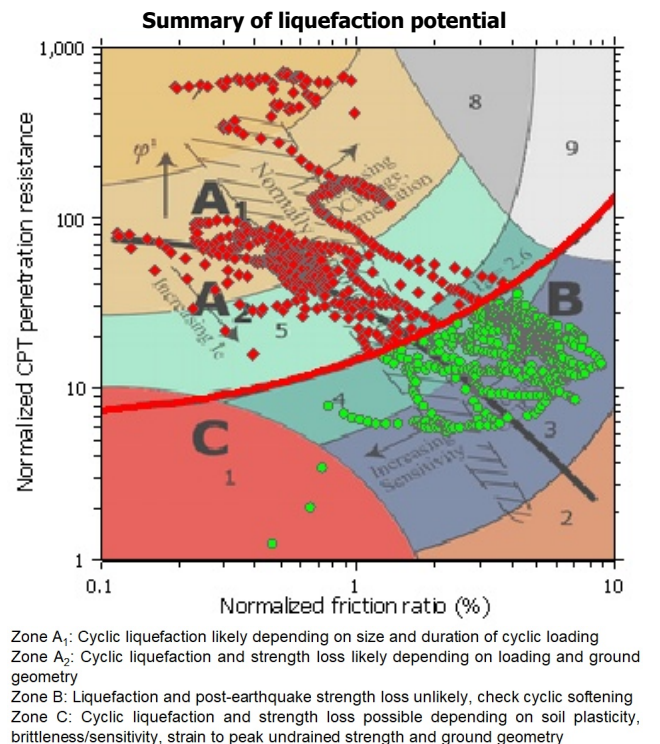
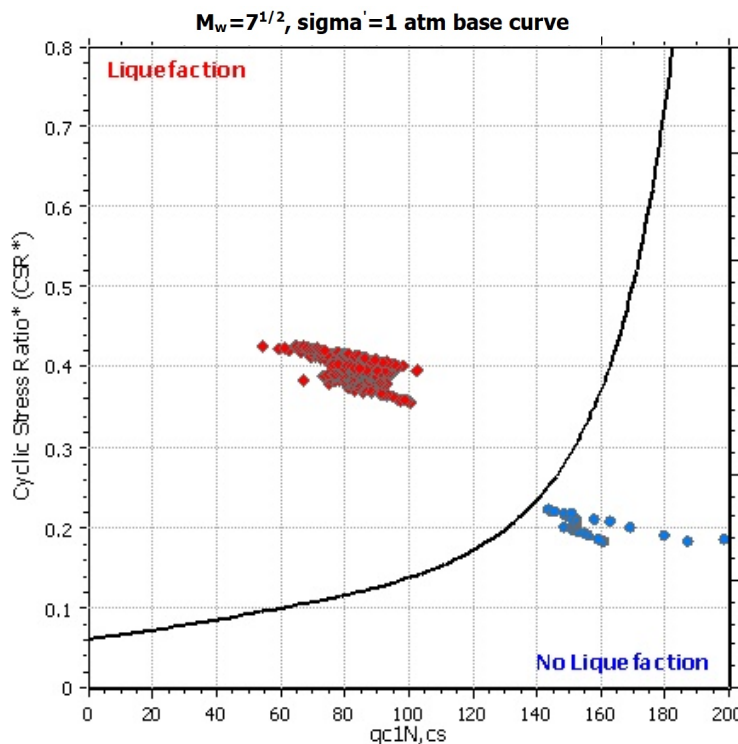
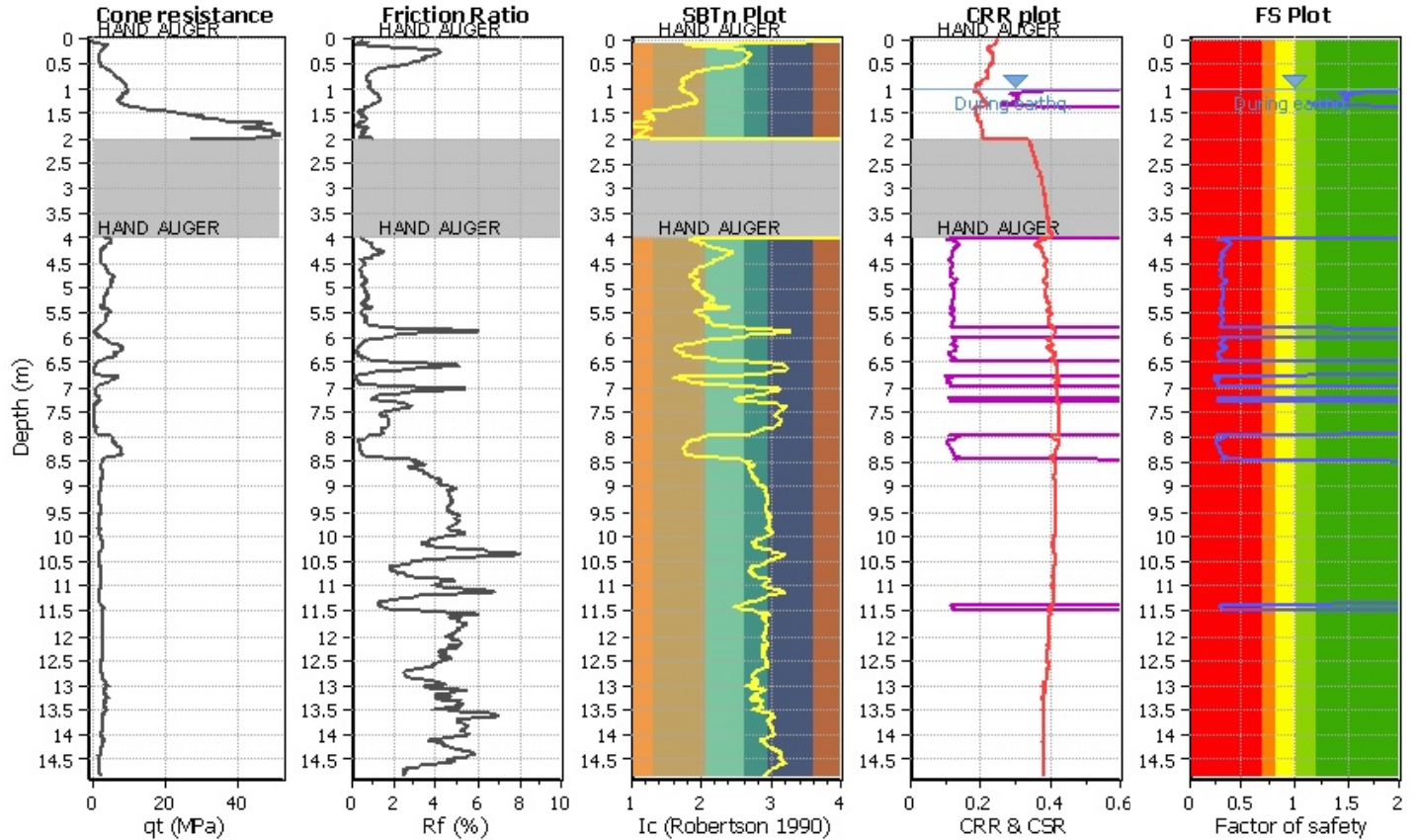
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

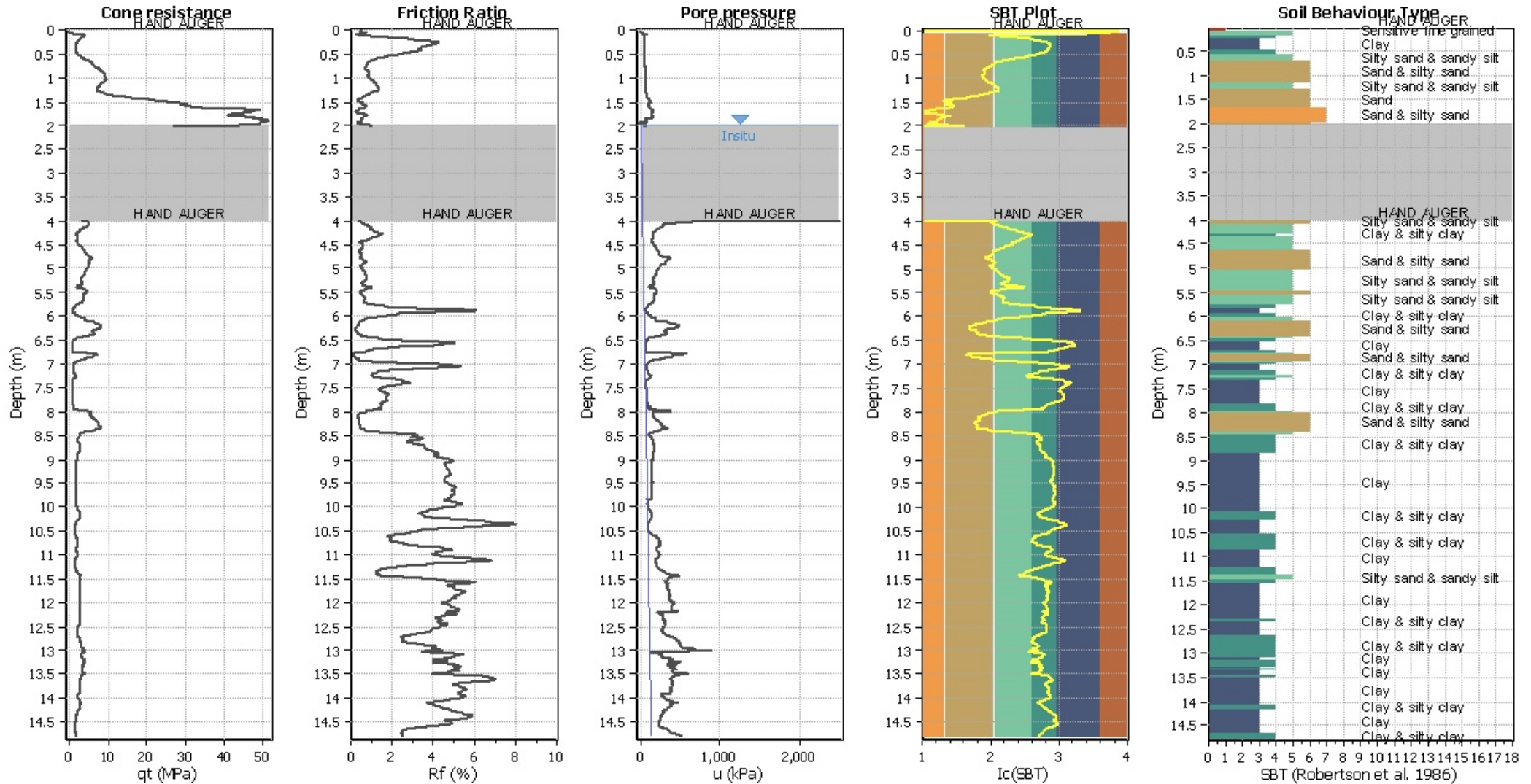
**CPT file : CPTU-04-2017**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



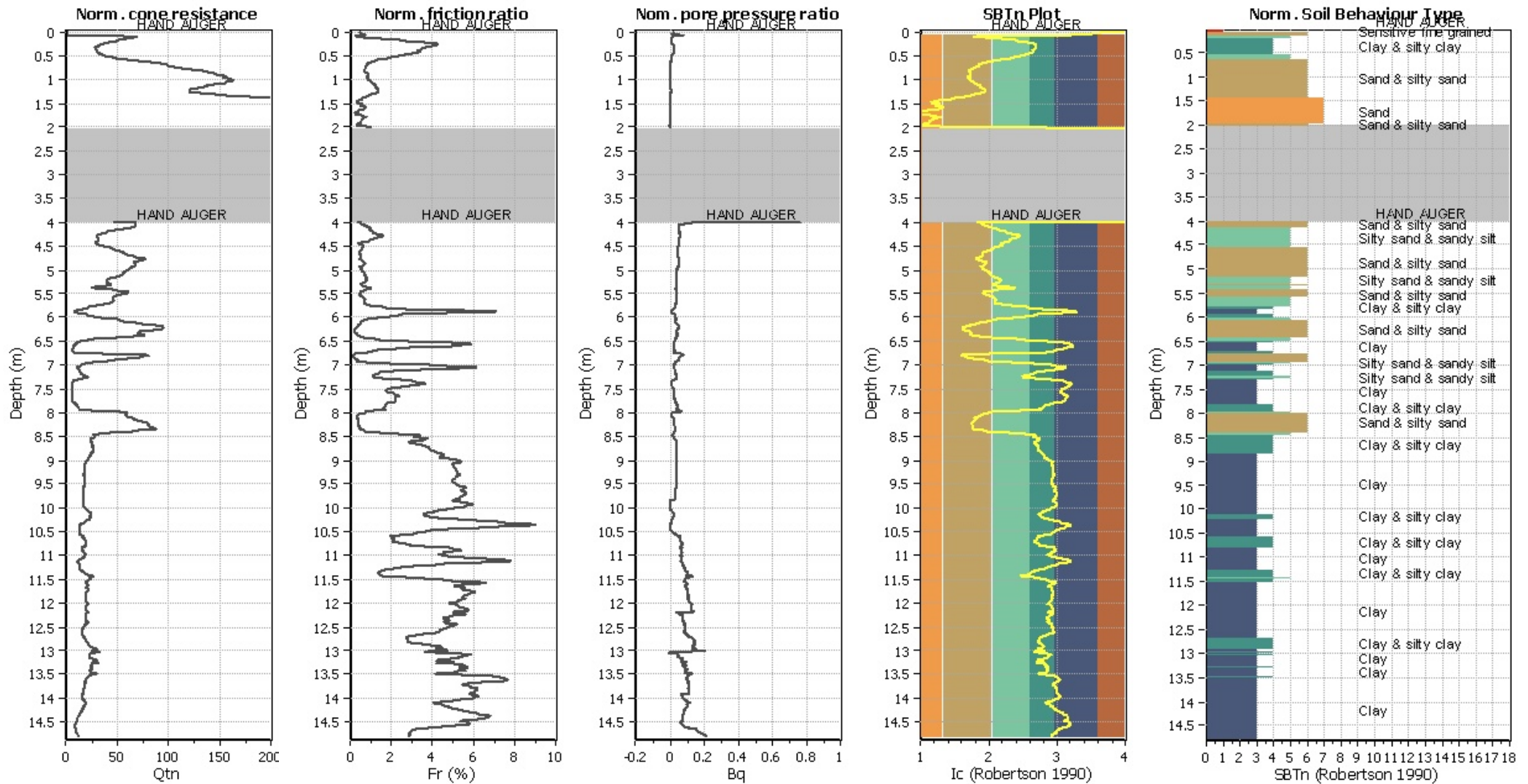
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



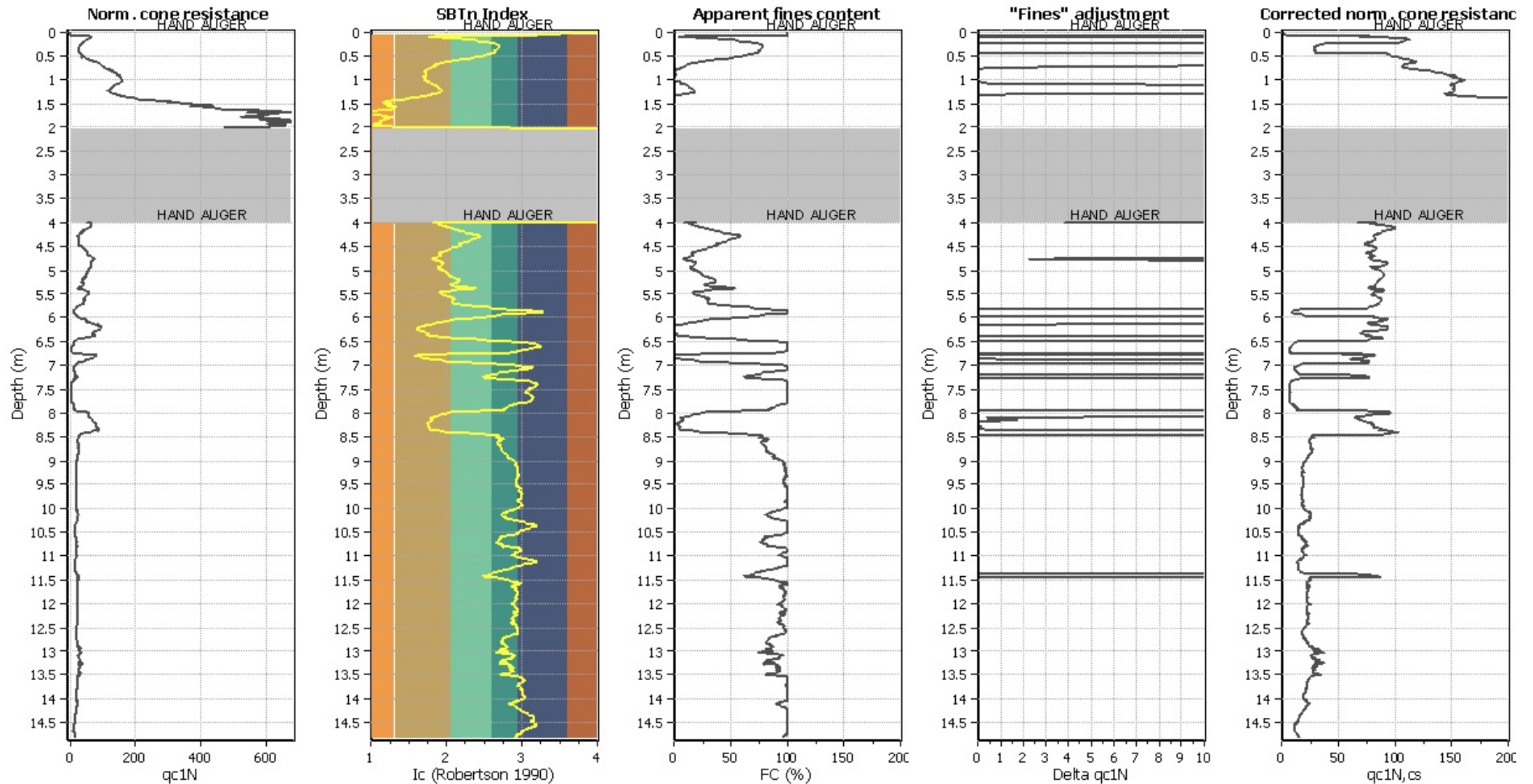
**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

**SBTn legend**

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

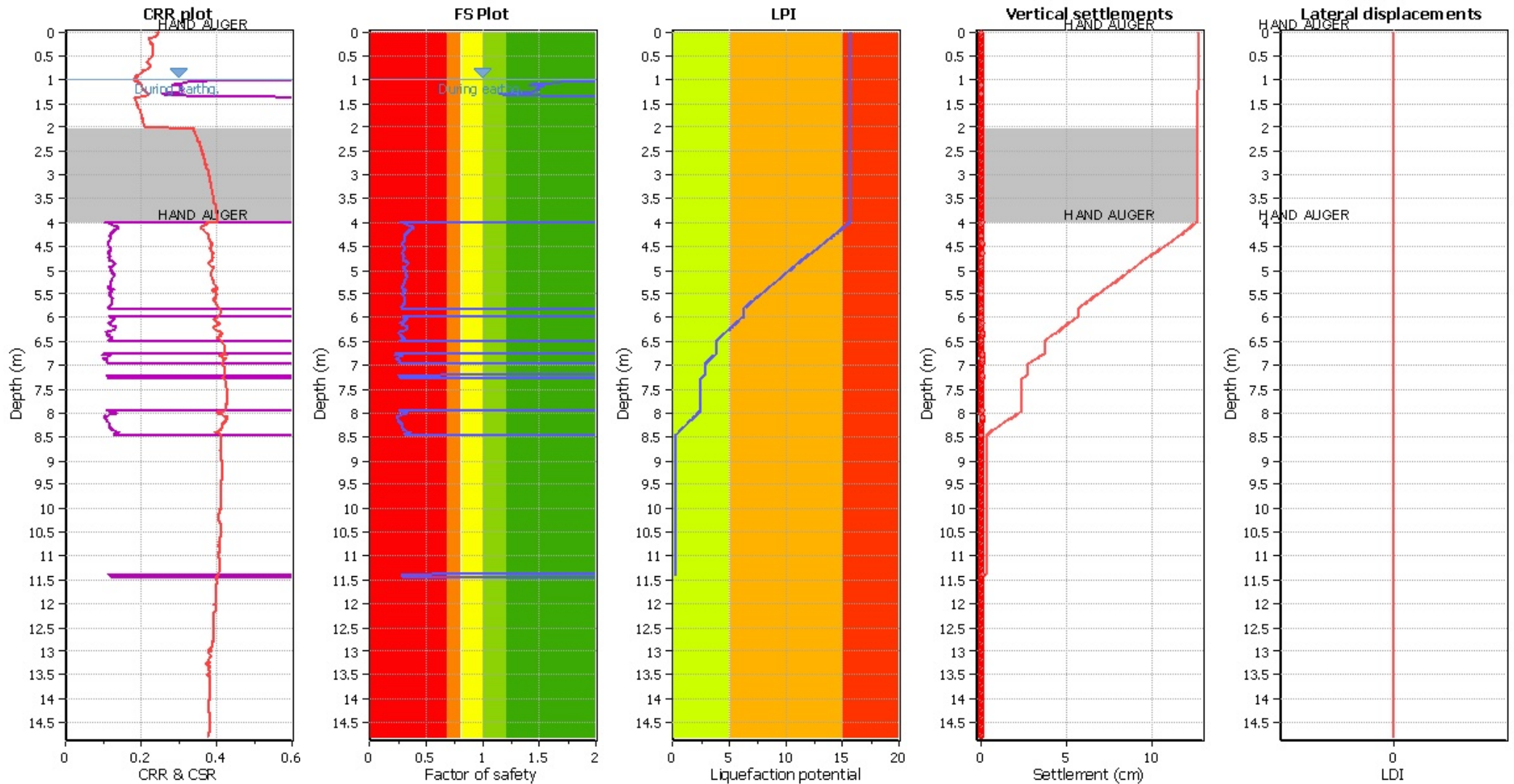
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

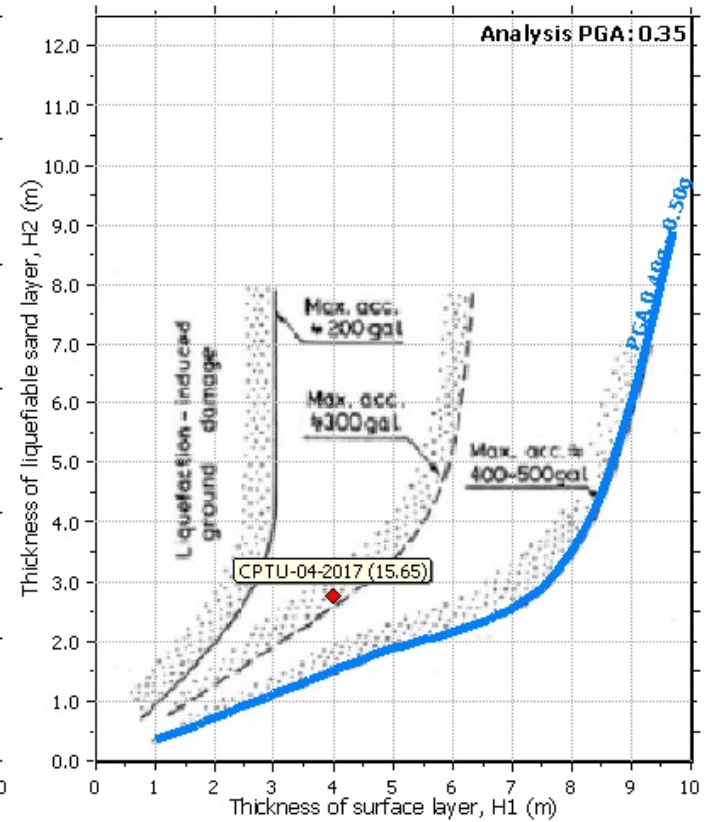
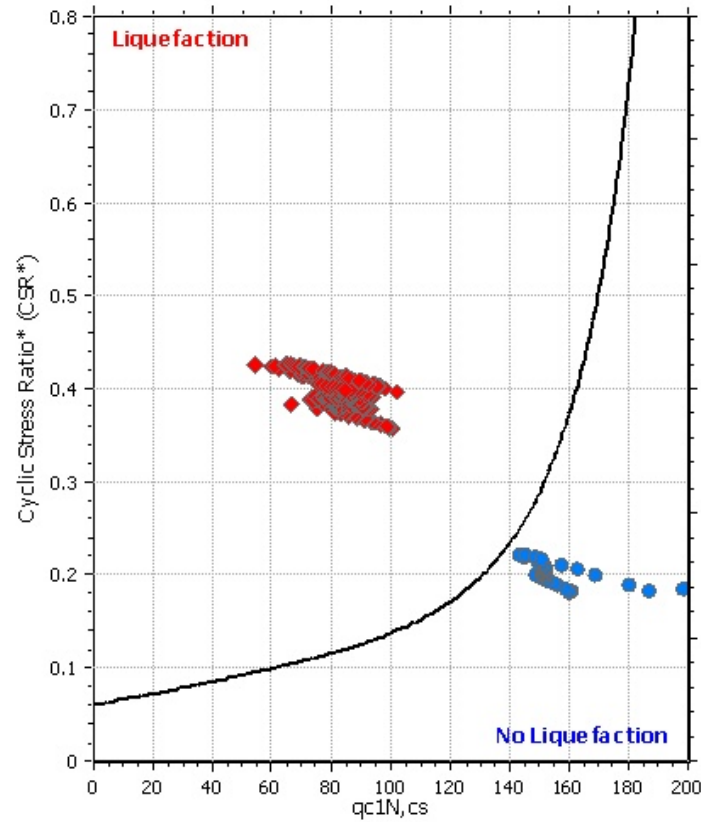
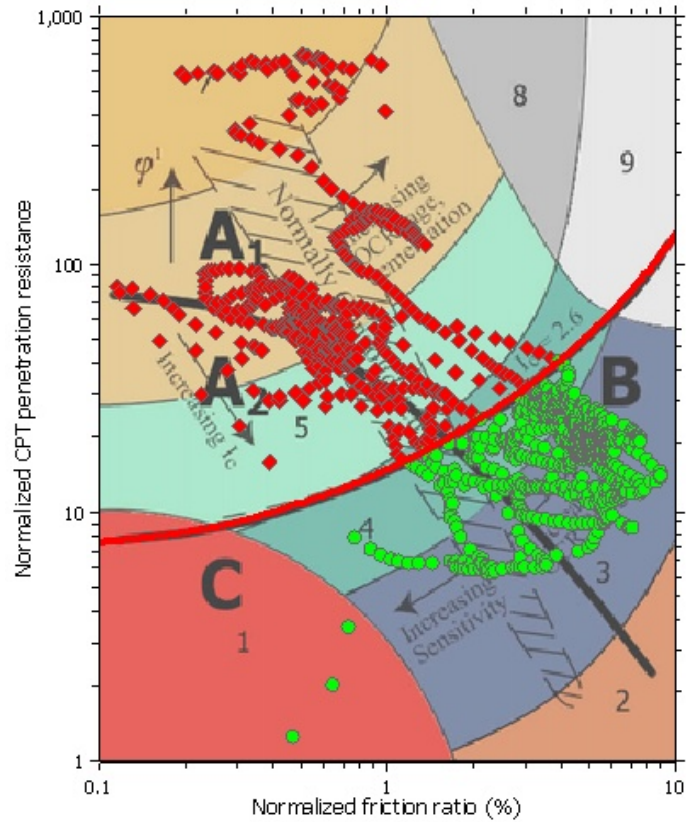
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

### Liquefaction analysis summary plo

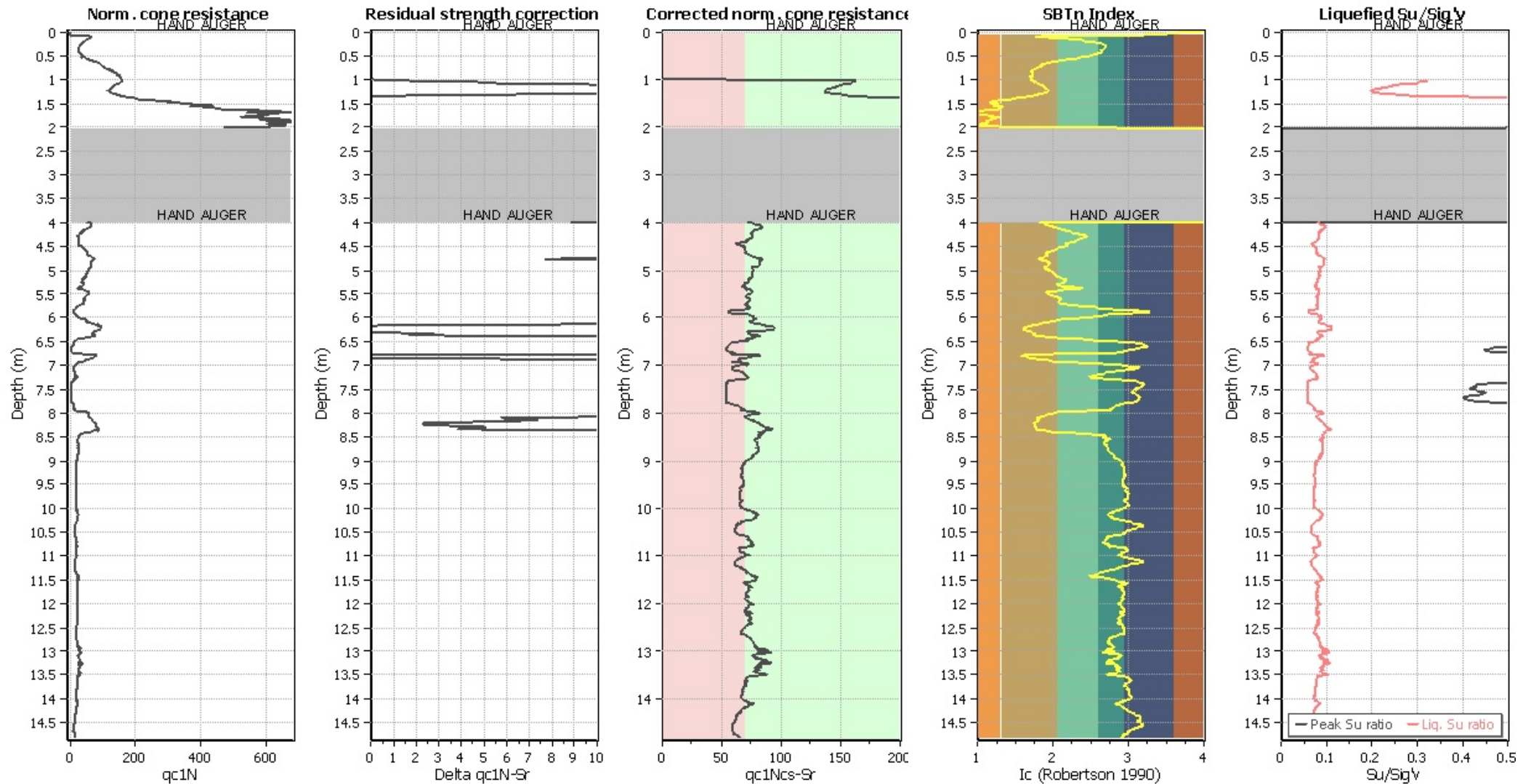


#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	0.00	0.00	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	1.97	0.00	9.48	0.01	0.00
1.05	1.79	0.00	9.48	0.01	0.00	1.06	1.70	0.00	9.47	0.01	0.00
1.07	1.60	0.00	9.47	0.01	0.00	1.08	1.52	0.00	9.46	0.01	0.00
1.09	1.50	0.00	9.46	0.01	0.00	1.10	1.41	0.00	9.45	0.01	0.00
1.11	1.50	0.00	9.45	0.01	0.00	1.12	1.52	0.00	9.44	0.01	0.00
1.13	1.54	0.00	9.44	0.01	0.00	1.14	1.53	0.00	9.43	0.01	0.00
1.15	1.51	0.00	9.43	0.01	0.00	1.16	1.49	0.00	9.42	0.01	0.00
1.17	1.49	0.00	9.41	0.01	0.00	1.18	1.49	0.00	9.41	0.01	0.00
1.19	1.50	0.00	9.41	0.01	0.00	1.20	1.47	0.00	9.40	0.01	0.00
1.21	1.49	0.00	9.40	0.01	0.00	1.22	1.48	0.00	9.39	0.01	0.00
1.23	1.47	0.00	9.39	0.01	0.00	1.24	1.46	0.00	9.38	0.01	0.00
1.25	1.43	0.00	9.38	0.01	0.00	1.26	1.39	0.00	9.37	0.01	0.00
1.27	1.34	0.00	9.37	0.01	0.00	1.28	1.19	0.00	9.36	0.01	0.00
1.29	1.19	0.00	9.36	0.01	0.00	1.30	1.14	0.00	9.35	0.01	0.00
1.31	1.19	0.00	9.35	0.01	0.00	1.32	1.29	0.00	9.34	0.01	0.00
1.33	1.38	0.00	9.34	0.01	0.00	1.34	1.68	0.00	9.33	0.01	0.00
1.35	1.96	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	0.00	0.00	0.00	2.02	2.00	0.00	0.00	0.00	0.00
2.03	2.00	0.00	0.00	0.00	0.00	2.04	2.00	0.00	0.00	0.00	0.00
2.05	2.00	0.00	0.00	0.00	0.00	2.06	2.00	0.00	0.00	0.00	0.00
2.07	2.00	0.00	0.00	0.00	0.00	2.08	2.00	0.00	0.00	0.00	0.00
2.09	2.00	0.00	0.00	0.00	0.00	2.10	2.00	0.00	0.00	0.00	0.00
2.11	2.00	0.00	0.00	0.00	0.00	2.12	2.00	0.00	0.00	0.00	0.00
2.13	2.00	0.00	0.00	0.00	0.00	2.14	2.00	0.00	0.00	0.00	0.00
2.15	2.00	0.00	0.00	0.00	0.00	2.16	2.00	0.00	0.00	0.00	0.00
2.17	2.00	0.00	0.00	0.00	0.00	2.18	2.00	0.00	0.00	0.00	0.00
2.19	2.00	0.00	0.00	0.00	0.00	2.20	2.00	0.00	0.00	0.00	0.00
2.21	2.00	0.00	0.00	0.00	0.00	2.22	2.00	0.00	0.00	0.00	0.00
2.23	2.00	0.00	0.00	0.00	0.00	2.24	2.00	0.00	0.00	0.00	0.00
2.25	2.00	0.00	0.00	0.00	0.00	2.26	2.00	0.00	0.00	0.00	0.00
2.27	2.00	0.00	0.00	0.00	0.00	2.28	2.00	0.00	0.00	0.00	0.00
2.29	2.00	0.00	0.00	0.00	0.00	2.30	2.00	0.00	0.00	0.00	0.00
2.31	2.00	0.00	0.00	0.00	0.00	2.32	2.00	0.00	0.00	0.00	0.00
2.33	2.00	0.00	0.00	0.00	0.00	2.34	2.00	0.00	0.00	0.00	0.00
2.35	2.00	0.00	0.00	0.00	0.00	2.36	2.00	0.00	0.00	0.00	0.00
2.37	2.00	0.00	0.00	0.00	0.00	2.38	2.00	0.00	0.00	0.00	0.00
2.39	2.00	0.00	0.00	0.00	0.00	2.40	2.00	0.00	0.00	0.00	0.00
2.41	2.00	0.00	0.00	0.00	0.00	2.42	2.00	0.00	0.00	0.00	0.00
2.43	2.00	0.00	0.00	0.00	0.00	2.44	2.00	0.00	0.00	0.00	0.00
2.45	2.00	0.00	0.00	0.00	0.00	2.46	2.00	0.00	0.00	0.00	0.00
2.47	2.00	0.00	0.00	0.00	0.00	2.48	2.00	0.00	0.00	0.00	0.00
2.49	2.00	0.00	0.00	0.00	0.00	2.50	2.00	0.00	0.00	0.00	0.00
2.51	2.00	0.00	0.00	0.00	0.00	2.52	2.00	0.00	0.00	0.00	0.00
2.53	2.00	0.00	0.00	0.00	0.00	2.54	2.00	0.00	0.00	0.00	0.00
2.55	2.00	0.00	0.00	0.00	0.00	2.56	2.00	0.00	0.00	0.00	0.00
2.57	2.00	0.00	0.00	0.00	0.00	2.58	2.00	0.00	0.00	0.00	0.00
2.59	2.00	0.00	0.00	0.00	0.00	2.60	2.00	0.00	0.00	0.00	0.00
2.61	2.00	0.00	0.00	0.00	0.00	2.62	2.00	0.00	0.00	0.00	0.00
2.63	2.00	0.00	0.00	0.00	0.00	2.64	2.00	0.00	0.00	0.00	0.00
2.65	2.00	0.00	0.00	0.00	0.00	2.66	2.00	0.00	0.00	0.00	0.00
2.67	2.00	0.00	0.00	0.00	0.00	2.68	2.00	0.00	0.00	0.00	0.00
2.69	2.00	0.00	0.00	0.00	0.00	2.70	2.00	0.00	0.00	0.00	0.00
2.71	2.00	0.00	0.00	0.00	0.00	2.72	2.00	0.00	0.00	0.00	0.00
2.73	2.00	0.00	0.00	0.00	0.00	2.74	2.00	0.00	0.00	0.00	0.00
2.75	2.00	0.00	0.00	0.00	0.00	2.76	2.00	0.00	0.00	0.00	0.00
2.77	2.00	0.00	0.00	0.00	0.00	2.78	2.00	0.00	0.00	0.00	0.00
2.79	2.00	0.00	0.00	0.00	0.00	2.80	2.00	0.00	0.00	0.00	0.00
2.81	2.00	0.00	0.00	0.00	0.00	2.82	2.00	0.00	0.00	0.00	0.00
2.83	2.00	0.00	0.00	0.00	0.00	2.84	2.00	0.00	0.00	0.00	0.00
2.85	2.00	0.00	0.00	0.00	0.00	2.86	2.00	0.00	0.00	0.00	0.00
2.87	2.00	0.00	0.00	0.00	0.00	2.88	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	0.00	0.00	0.00	2.90	2.00	0.00	0.00	0.00	0.00
2.91	2.00	0.00	0.00	0.00	0.00	2.92	2.00	0.00	0.00	0.00	0.00
2.93	2.00	0.00	0.00	0.00	0.00	2.94	2.00	0.00	0.00	0.00	0.00
2.95	2.00	0.00	0.00	0.00	0.00	2.96	2.00	0.00	0.00	0.00	0.00
2.97	2.00	0.00	0.00	0.00	0.00	2.98	2.00	0.00	0.00	0.00	0.00
2.99	2.00	0.00	0.00	0.00	0.00	3.00	2.00	0.00	0.00	0.00	0.00
3.01	2.00	0.00	0.00	0.00	0.00	3.02	2.00	0.00	0.00	0.00	0.00
3.03	2.00	0.00	0.00	0.00	0.00	3.04	2.00	0.00	0.00	0.00	0.00
3.05	2.00	0.00	0.00	0.00	0.00	3.06	2.00	0.00	0.00	0.00	0.00
3.07	2.00	0.00	0.00	0.00	0.00	3.08	2.00	0.00	0.00	0.00	0.00
3.09	2.00	0.00	0.00	0.00	0.00	3.10	2.00	0.00	0.00	0.00	0.00
3.11	2.00	0.00	0.00	0.00	0.00	3.12	2.00	0.00	0.00	0.00	0.00
3.13	2.00	0.00	0.00	0.00	0.00	3.14	2.00	0.00	0.00	0.00	0.00
3.15	2.00	0.00	0.00	0.00	0.00	3.16	2.00	0.00	0.00	0.00	0.00
3.17	2.00	0.00	0.00	0.00	0.00	3.18	2.00	0.00	0.00	0.00	0.00
3.19	2.00	0.00	0.00	0.00	0.00	3.20	2.00	0.00	0.00	0.00	0.00
3.21	2.00	0.00	0.00	0.00	0.00	3.22	2.00	0.00	0.00	0.00	0.00
3.23	2.00	0.00	0.00	0.00	0.00	3.24	2.00	0.00	0.00	0.00	0.00
3.25	2.00	0.00	0.00	0.00	0.00	3.26	2.00	0.00	0.00	0.00	0.00
3.27	2.00	0.00	0.00	0.00	0.00	3.28	2.00	0.00	0.00	0.00	0.00
3.29	2.00	0.00	0.00	0.00	0.00	3.30	2.00	0.00	0.00	0.00	0.00
3.31	2.00	0.00	0.00	0.00	0.00	3.32	2.00	0.00	0.00	0.00	0.00
3.33	2.00	0.00	0.00	0.00	0.00	3.34	2.00	0.00	0.00	0.00	0.00
3.35	2.00	0.00	0.00	0.00	0.00	3.36	2.00	0.00	0.00	0.00	0.00
3.37	2.00	0.00	0.00	0.00	0.00	3.38	2.00	0.00	0.00	0.00	0.00
3.39	2.00	0.00	0.00	0.00	0.00	3.40	2.00	0.00	0.00	0.00	0.00
3.41	2.00	0.00	0.00	0.00	0.00	3.42	2.00	0.00	0.00	0.00	0.00
3.43	2.00	0.00	0.00	0.00	0.00	3.44	2.00	0.00	0.00	0.00	0.00
3.45	2.00	0.00	0.00	0.00	0.00	3.46	2.00	0.00	0.00	0.00	0.00
3.47	2.00	0.00	0.00	0.00	0.00	3.48	2.00	0.00	0.00	0.00	0.00
3.49	2.00	0.00	0.00	0.00	0.00	3.50	2.00	0.00	0.00	0.00	0.00
3.51	2.00	0.00	0.00	0.00	0.00	3.52	2.00	0.00	0.00	0.00	0.00
3.53	2.00	0.00	0.00	0.00	0.00	3.54	2.00	0.00	0.00	0.00	0.00
3.55	2.00	0.00	0.00	0.00	0.00	3.56	2.00	0.00	0.00	0.00	0.00
3.57	2.00	0.00	0.00	0.00	0.00	3.58	2.00	0.00	0.00	0.00	0.00
3.59	2.00	0.00	0.00	0.00	0.00	3.60	2.00	0.00	0.00	0.00	0.00
3.61	2.00	0.00	0.00	0.00	0.00	3.62	2.00	0.00	0.00	0.00	0.00
3.63	2.00	0.00	0.00	0.00	0.00	3.64	2.00	0.00	0.00	0.00	0.00
3.65	2.00	0.00	0.00	0.00	0.00	3.66	2.00	0.00	0.00	0.00	0.00
3.67	2.00	0.00	0.00	0.00	0.00	3.68	2.00	0.00	0.00	0.00	0.00
3.69	2.00	0.00	0.00	0.00	0.00	3.70	2.00	0.00	0.00	0.00	0.00
3.71	2.00	0.00	0.00	0.00	0.00	3.72	2.00	0.00	0.00	0.00	0.00
3.73	2.00	0.00	0.00	0.00	0.00	3.74	2.00	0.00	0.00	0.00	0.00
3.75	2.00	0.00	0.00	0.00	0.00	3.76	2.00	0.00	0.00	0.00	0.00
3.77	2.00	0.00	0.00	0.00	0.00	3.78	2.00	0.00	0.00	0.00	0.00
3.79	2.00	0.00	0.00	0.00	0.00	3.80	2.00	0.00	0.00	0.00	0.00
3.81	2.00	0.00	0.00	0.00	0.00	3.82	2.00	0.00	0.00	0.00	0.00
3.83	2.00	0.00	0.00	0.00	0.00	3.84	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	0.00	0.00	0.00	3.86	2.00	0.00	0.00	0.00	0.00
3.87	2.00	0.00	0.00	0.00	0.00	3.88	2.00	0.00	0.00	0.00	0.00
3.89	2.00	0.00	0.00	0.00	0.00	3.90	2.00	0.00	0.00	0.00	0.00
3.91	2.00	0.00	0.00	0.00	0.00	3.92	2.00	0.00	0.00	0.00	0.00
3.93	2.00	0.00	0.00	0.00	0.00	3.94	2.00	0.00	0.00	0.00	0.00
3.95	2.00	0.00	0.00	0.00	0.00	3.96	2.00	0.00	0.00	0.00	0.00
3.97	2.00	0.00	0.00	0.00	0.00	3.98	2.00	0.00	0.00	0.00	0.00
3.99	2.00	0.00	0.00	0.00	0.00	4.00	0.32	0.68	8.00	0.01	0.05
4.01	0.27	0.73	8.00	0.01	0.06	4.02	0.30	0.70	7.99	0.01	0.06
4.03	0.31	0.69	7.99	0.01	0.05	4.04	0.33	0.67	7.98	0.01	0.05
4.05	0.34	0.66	7.98	0.01	0.05	4.06	0.35	0.65	7.97	0.01	0.05
4.07	0.36	0.64	7.97	0.01	0.05	4.08	0.37	0.63	7.96	0.01	0.05
4.09	0.37	0.63	7.96	0.01	0.05	4.10	0.38	0.62	7.95	0.01	0.05
4.11	0.39	0.61	7.95	0.01	0.05	4.12	0.38	0.62	7.94	0.01	0.05
4.13	0.38	0.62	7.94	0.01	0.05	4.14	0.38	0.62	7.93	0.01	0.05
4.15	0.36	0.64	7.93	0.01	0.05	4.16	0.35	0.65	7.92	0.01	0.05
4.17	0.35	0.65	7.92	0.01	0.05	4.18	0.35	0.65	7.91	0.01	0.05
4.19	0.34	0.66	7.91	0.01	0.05	4.20	0.33	0.67	7.90	0.01	0.05
4.21	0.33	0.67	7.90	0.01	0.05	4.22	0.32	0.68	7.89	0.01	0.05
4.23	0.32	0.68	7.89	0.01	0.05	4.24	0.32	0.68	7.88	0.01	0.05
4.25	0.32	0.68	7.88	0.01	0.05	4.26	0.31	0.69	7.87	0.01	0.05
4.27	0.31	0.69	7.87	0.01	0.05	4.28	0.31	0.69	7.86	0.01	0.05
4.29	0.31	0.69	7.86	0.01	0.05	4.30	0.31	0.69	7.85	0.01	0.05
4.31	0.31	0.69	7.85	0.01	0.05	4.32	0.31	0.69	7.84	0.01	0.05
4.33	0.31	0.69	7.84	0.01	0.05	4.34	0.31	0.69	7.83	0.01	0.05
4.35	0.31	0.69	7.83	0.01	0.05	4.36	0.31	0.69	7.82	0.01	0.05
4.37	0.31	0.69	7.82	0.01	0.05	4.38	0.31	0.69	7.81	0.01	0.05
4.39	0.30	0.70	7.81	0.01	0.05	4.40	0.30	0.70	7.80	0.01	0.05
4.41	0.29	0.71	7.80	0.01	0.06	4.42	0.29	0.71	7.79	0.01	0.06
4.43	0.28	0.72	7.79	0.01	0.06	4.44	0.28	0.72	7.78	0.01	0.06
4.45	0.28	0.72	7.78	0.01	0.06	4.46	0.29	0.71	7.77	0.01	0.06
4.47	0.29	0.71	7.77	0.01	0.05	4.48	0.29	0.71	7.76	0.01	0.05
4.49	0.30	0.70	7.76	0.01	0.05	4.50	0.31	0.69	7.75	0.01	0.05
4.51	0.31	0.69	7.75	0.01	0.05	4.52	0.31	0.69	7.74	0.01	0.05
4.53	0.31	0.69	7.74	0.01	0.05	4.54	0.31	0.69	7.73	0.01	0.05
4.55	0.31	0.69	7.73	0.01	0.05	4.56	0.31	0.69	7.72	0.01	0.05
4.57	0.31	0.69	7.72	0.01	0.05	4.58	0.30	0.70	7.71	0.01	0.05
4.59	0.30	0.70	7.71	0.01	0.05	4.60	0.30	0.70	7.70	0.01	0.05
4.61	0.29	0.71	7.70	0.01	0.05	4.62	0.29	0.71	7.69	0.01	0.05
4.63	0.29	0.71	7.69	0.01	0.05	4.64	0.28	0.72	7.68	0.01	0.05
4.65	0.29	0.71	7.68	0.01	0.05	4.66	0.29	0.71	7.67	0.01	0.05
4.67	0.30	0.70	7.67	0.01	0.05	4.68	0.30	0.70	7.66	0.01	0.05
4.69	0.30	0.70	7.66	0.01	0.05	4.70	0.30	0.70	7.65	0.01	0.05
4.71	0.30	0.70	7.65	0.01	0.05	4.72	0.29	0.71	7.64	0.01	0.05
4.73	0.30	0.70	7.64	0.01	0.05	4.74	0.29	0.71	7.63	0.01	0.05
4.75	0.29	0.71	7.63	0.01	0.05	4.76	0.30	0.70	7.62	0.01	0.05
4.77	0.29	0.71	7.62	0.01	0.05	4.78	0.30	0.70	7.61	0.01	0.05
4.79	0.30	0.70	7.61	0.01	0.05	4.80	0.31	0.69	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.32	0.68	7.60	0.01	0.05	4.82	0.33	0.67	7.59	0.01	0.05
4.83	0.33	0.67	7.59	0.01	0.05	4.84	0.34	0.66	7.58	0.01	0.05
4.85	0.34	0.66	7.58	0.01	0.05	4.86	0.34	0.66	7.57	0.01	0.05
4.87	0.34	0.66	7.57	0.01	0.05	4.88	0.34	0.66	7.56	0.01	0.05
4.89	0.33	0.67	7.56	0.01	0.05	4.90	0.33	0.67	7.55	0.01	0.05
4.91	0.32	0.68	7.55	0.01	0.05	4.92	0.30	0.70	7.54	0.01	0.05
4.93	0.29	0.71	7.54	0.01	0.05	4.94	0.29	0.71	7.53	0.01	0.05
4.95	0.30	0.70	7.53	0.01	0.05	4.96	0.30	0.70	7.52	0.01	0.05
4.97	0.30	0.70	7.52	0.01	0.05	4.98	0.30	0.70	7.51	0.01	0.05
4.99	0.31	0.69	7.51	0.01	0.05	5.00	0.31	0.69	7.50	0.01	0.05
5.01	0.31	0.69	7.50	0.01	0.05	5.02	0.32	0.68	7.49	0.01	0.05
5.03	0.32	0.68	7.49	0.01	0.05	5.04	0.32	0.68	7.48	0.01	0.05
5.05	0.32	0.68	7.48	0.01	0.05	5.06	0.32	0.68	7.47	0.01	0.05
5.07	0.33	0.67	7.47	0.01	0.05	5.08	0.33	0.67	7.46	0.01	0.05
5.09	0.33	0.67	7.46	0.01	0.05	5.10	0.33	0.67	7.45	0.01	0.05
5.11	0.33	0.67	7.45	0.01	0.05	5.12	0.33	0.67	7.44	0.01	0.05
5.13	0.33	0.67	7.44	0.01	0.05	5.14	0.33	0.67	7.43	0.01	0.05
5.15	0.32	0.68	7.43	0.01	0.05	5.16	0.32	0.68	7.42	0.01	0.05
5.17	0.32	0.68	7.42	0.01	0.05	5.18	0.32	0.68	7.41	0.01	0.05
5.19	0.31	0.69	7.41	0.01	0.05	5.20	0.31	0.69	7.40	0.01	0.05
5.21	0.31	0.69	7.40	0.01	0.05	5.22	0.31	0.69	7.39	0.01	0.05
5.23	0.31	0.69	7.39	0.01	0.05	5.24	0.31	0.69	7.38	0.01	0.05
5.25	0.31	0.69	7.38	0.01	0.05	5.26	0.31	0.69	7.37	0.01	0.05
5.27	0.30	0.70	7.37	0.01	0.05	5.28	0.30	0.70	7.36	0.01	0.05
5.29	0.30	0.70	7.36	0.01	0.05	5.30	0.30	0.70	7.35	0.01	0.05
5.31	0.30	0.70	7.35	0.01	0.05	5.32	0.30	0.70	7.34	0.01	0.05
5.33	0.30	0.70	7.34	0.01	0.05	5.34	0.30	0.70	7.33	0.01	0.05
5.35	0.30	0.70	7.33	0.01	0.05	5.36	0.28	0.72	7.32	0.01	0.05
5.37	0.28	0.72	7.32	0.01	0.05	5.38	0.28	0.72	7.31	0.01	0.05
5.39	0.29	0.71	7.31	0.01	0.05	5.40	0.29	0.71	7.30	0.01	0.05
5.41	0.31	0.69	7.30	0.01	0.05	5.42	0.32	0.68	7.29	0.01	0.05
5.43	0.32	0.68	7.29	0.01	0.05	5.44	0.31	0.69	7.28	0.01	0.05
5.45	0.30	0.70	7.28	0.01	0.05	5.46	0.29	0.71	7.27	0.01	0.05
5.47	0.30	0.70	7.27	0.01	0.05	5.48	0.30	0.70	7.26	0.01	0.05
5.49	0.29	0.71	7.26	0.01	0.05	5.50	0.29	0.71	7.25	0.01	0.05
5.51	0.29	0.71	7.25	0.01	0.05	5.52	0.29	0.71	7.24	0.01	0.05
5.53	0.30	0.70	7.24	0.01	0.05	5.54	0.30	0.70	7.23	0.01	0.05
5.55	0.30	0.70	7.23	0.01	0.05	5.56	0.30	0.70	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.31	0.69	7.21	0.01	0.05	5.60	0.31	0.69	7.20	0.01	0.05
5.61	0.31	0.69	7.20	0.01	0.05	5.62	0.31	0.69	7.19	0.01	0.05
5.63	0.31	0.69	7.19	0.01	0.05	5.64	0.31	0.69	7.18	0.01	0.05
5.65	0.31	0.69	7.18	0.01	0.05	5.66	0.31	0.69	7.17	0.01	0.05
5.67	0.31	0.69	7.17	0.01	0.05	5.68	0.31	0.69	7.16	0.01	0.05
5.69	0.31	0.69	7.16	0.01	0.05	5.70	0.30	0.70	7.15	0.01	0.05
5.71	0.31	0.69	7.15	0.01	0.05	5.72	0.30	0.70	7.14	0.01	0.05
5.73	0.30	0.70	7.14	0.01	0.05	5.74	0.29	0.71	7.13	0.01	0.05
5.75	0.29	0.71	7.13	0.01	0.05	5.76	0.28	0.72	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.28	0.72	7.12	0.01	0.05	5.78	0.28	0.72	7.11	0.01	0.05
5.79	0.28	0.72	7.11	0.01	0.05	5.80	2.00	0.00	7.10	0.01	0.00
5.81	2.00	0.00	7.10	0.01	0.00	5.82	2.00	0.00	7.09	0.01	0.00
5.83	2.00	0.00	7.09	0.01	0.00	5.84	2.00	0.00	7.08	0.01	0.00
5.85	2.00	0.00	7.08	0.01	0.00	5.86	2.00	0.00	7.07	0.01	0.00
5.87	2.00	0.00	7.07	0.01	0.00	5.88	2.00	0.00	7.06	0.01	0.00
5.89	2.00	0.00	7.06	0.01	0.00	5.90	2.00	0.00	7.05	0.01	0.00
5.91	2.00	0.00	7.05	0.01	0.00	5.92	2.00	0.00	7.04	0.01	0.00
5.93	2.00	0.00	7.04	0.01	0.00	5.94	2.00	0.00	7.03	0.01	0.00
5.95	2.00	0.00	7.03	0.01	0.00	5.96	2.00	0.00	7.02	0.01	0.00
5.97	0.29	0.71	7.02	0.01	0.05	5.98	0.29	0.71	7.01	0.01	0.05
5.99	0.29	0.71	7.01	0.01	0.05	6.00	0.30	0.70	7.00	0.01	0.05
6.01	0.31	0.69	7.00	0.01	0.05	6.02	0.33	0.67	6.99	0.01	0.05
6.03	0.33	0.67	6.99	0.01	0.05	6.04	0.33	0.67	6.98	0.01	0.05
6.05	0.32	0.68	6.98	0.01	0.05	6.06	0.32	0.68	6.97	0.01	0.05
6.07	0.31	0.69	6.97	0.01	0.05	6.08	0.31	0.69	6.96	0.01	0.05
6.09	0.30	0.70	6.96	0.01	0.05	6.10	0.30	0.70	6.95	0.01	0.05
6.11	0.29	0.71	6.95	0.01	0.05	6.12	0.27	0.73	6.94	0.01	0.05
6.13	0.28	0.72	6.94	0.01	0.05	6.14	0.29	0.71	6.93	0.01	0.05
6.15	0.30	0.70	6.93	0.01	0.05	6.16	0.31	0.69	6.92	0.01	0.05
6.17	0.31	0.69	6.92	0.01	0.05	6.18	0.33	0.67	6.91	0.01	0.05
6.19	0.33	0.67	6.91	0.01	0.05	6.20	0.33	0.67	6.90	0.01	0.05
6.21	0.33	0.67	6.90	0.01	0.05	6.22	0.33	0.67	6.89	0.01	0.05
6.23	0.33	0.67	6.89	0.01	0.05	6.24	0.33	0.67	6.88	0.01	0.05
6.25	0.32	0.68	6.88	0.01	0.05	6.26	0.32	0.68	6.87	0.01	0.05
6.27	0.31	0.69	6.87	0.01	0.05	6.28	0.29	0.71	6.86	0.01	0.05
6.29	0.27	0.73	6.86	0.01	0.05	6.30	0.27	0.73	6.85	0.01	0.05
6.31	0.26	0.74	6.85	0.01	0.05	6.32	0.26	0.74	6.84	0.01	0.05
6.33	0.26	0.74	6.84	0.01	0.05	6.34	0.27	0.73	6.83	0.01	0.05
6.35	0.27	0.73	6.83	0.01	0.05	6.36	0.28	0.72	6.82	0.01	0.05
6.37	0.28	0.72	6.82	0.01	0.05	6.38	0.27	0.73	6.81	0.01	0.05
6.39	0.28	0.72	6.81	0.01	0.05	6.40	0.29	0.71	6.80	0.01	0.05
6.41	0.30	0.70	6.80	0.01	0.05	6.42	0.31	0.69	6.79	0.01	0.05
6.43	0.31	0.69	6.79	0.01	0.05	6.44	0.31	0.69	6.78	0.01	0.05
6.45	0.28	0.72	6.78	0.01	0.05	6.46	0.27	0.73	6.77	0.01	0.05
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	0.23	0.77	6.63	0.01	0.05	6.76	0.26	0.74	6.62	0.01	0.05
6.77	0.22	0.78	6.62	0.01	0.05	6.78	0.25	0.75	6.61	0.01	0.05
6.79	0.29	0.71	6.61	0.01	0.05	6.80	0.29	0.71	6.60	0.01	0.05
6.81	0.28	0.72	6.60	0.01	0.05	6.82	0.27	0.73	6.59	0.01	0.05
6.83	0.26	0.74	6.59	0.01	0.05	6.84	0.25	0.75	6.58	0.01	0.05
6.85	0.24	0.76	6.58	0.01	0.05	6.86	0.23	0.77	6.57	0.01	0.05
6.87	0.24	0.76	6.57	0.01	0.05	6.88	0.26	0.74	6.56	0.01	0.05
6.89	0.26	0.74	6.56	0.01	0.05	6.90	0.27	0.73	6.55	0.01	0.05
6.91	0.27	0.73	6.55	0.01	0.05	6.92	0.26	0.74	6.54	0.01	0.05
6.93	0.27	0.73	6.54	0.01	0.05	6.94	0.27	0.73	6.53	0.01	0.05
6.95	0.27	0.73	6.53	0.01	0.05	6.96	0.27	0.73	6.52	0.01	0.05
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	0.26	0.74	6.40	0.01	0.05
7.21	0.26	0.74	6.40	0.01	0.05	7.22	0.26	0.74	6.39	0.01	0.05
7.23	0.27	0.73	6.39	0.01	0.05	7.24	0.27	0.73	6.38	0.01	0.05
7.25	0.27	0.73	6.38	0.01	0.05	7.26	0.27	0.73	6.37	0.01	0.05
7.27	0.27	0.73	6.37	0.01	0.05	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	0.25	0.75	6.03	0.01	0.05	7.96	0.29	0.71	6.02	0.01	0.04
7.97	0.31	0.69	6.02	0.01	0.04	7.98	0.32	0.68	6.01	0.01	0.04
7.99	0.33	0.67	6.01	0.01	0.04	8.00	0.33	0.67	6.00	0.01	0.04
8.01	0.33	0.67	6.00	0.01	0.04	8.02	0.32	0.68	5.99	0.01	0.04
8.03	0.30	0.70	5.99	0.01	0.04	8.04	0.28	0.72	5.98	0.01	0.04
8.05	0.26	0.74	5.98	0.01	0.04	8.06	0.25	0.75	5.97	0.01	0.04
8.07	0.25	0.75	5.97	0.01	0.04	8.08	0.24	0.76	5.96	0.01	0.05
8.09	0.24	0.76	5.96	0.01	0.05	8.10	0.24	0.76	5.95	0.01	0.05
8.11	0.25	0.75	5.95	0.01	0.04	8.12	0.25	0.75	5.94	0.01	0.04
8.13	0.25	0.75	5.94	0.01	0.04	8.14	0.25	0.75	5.93	0.01	0.04
8.15	0.26	0.74	5.93	0.01	0.04	8.16	0.26	0.74	5.92	0.01	0.04
8.17	0.26	0.74	5.92	0.01	0.04	8.18	0.26	0.74	5.91	0.01	0.04
8.19	0.26	0.74	5.91	0.01	0.04	8.20	0.27	0.73	5.90	0.01	0.04
8.21	0.27	0.73	5.90	0.01	0.04	8.22	0.28	0.72	5.89	0.01	0.04
8.23	0.28	0.72	5.89	0.01	0.04	8.24	0.28	0.72	5.88	0.01	0.04
8.25	0.28	0.72	5.88	0.01	0.04	8.26	0.28	0.72	5.87	0.01	0.04
8.27	0.28	0.72	5.87	0.01	0.04	8.28	0.28	0.72	5.86	0.01	0.04
8.29	0.28	0.72	5.86	0.01	0.04	8.30	0.29	0.71	5.85	0.01	0.04
8.31	0.29	0.71	5.85	0.01	0.04	8.32	0.29	0.71	5.84	0.01	0.04
8.33	0.30	0.70	5.84	0.01	0.04	8.34	0.30	0.70	5.83	0.01	0.04
8.35	0.30	0.70	5.83	0.01	0.04	8.36	0.30	0.70	5.82	0.01	0.04
8.37	0.30	0.70	5.82	0.01	0.04	8.38	0.32	0.68	5.81	0.01	0.04
8.39	0.34	0.66	5.81	0.01	0.04	8.40	0.36	0.64	5.80	0.01	0.04
8.41	0.33	0.67	5.80	0.01	0.04	8.42	0.33	0.67	5.79	0.01	0.04
8.43	0.32	0.68	5.79	0.01	0.04	8.44	0.31	0.69	5.78	0.01	0.04
8.45	0.31	0.69	5.78	0.01	0.04	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	0.28	0.72	4.32	0.01	0.03	11.38	0.28	0.72	4.31	0.01	0.03
11.39	0.28	0.72	4.31	0.01	0.03	11.40	0.28	0.72	4.30	0.01	0.03
11.41	0.29	0.71	4.30	0.01	0.03	11.42	0.29	0.71	4.29	0.01	0.03
11.43	0.30	0.70	4.29	0.01	0.03	11.44	0.31	0.69	4.28	0.01	0.03
11.45	0.30	0.70	4.28	0.01	0.03	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00
13.81	2.00	0.00	3.10	0.01	0.00	13.82	2.00	0.00	3.09	0.01	0.00
13.83	2.00	0.00	3.09	0.01	0.00	13.84	2.00	0.00	3.08	0.01	0.00
13.85	2.00	0.00	3.08	0.01	0.00	13.86	2.00	0.00	3.07	0.01	0.00
13.87	2.00	0.00	3.07	0.01	0.00	13.88	2.00	0.00	3.06	0.01	0.00
13.89	2.00	0.00	3.06	0.01	0.00	13.90	2.00	0.00	3.05	0.01	0.00
13.91	2.00	0.00	3.05	0.01	0.00	13.92	2.00	0.00	3.04	0.01	0.00
13.93	2.00	0.00	3.04	0.01	0.00	13.94	2.00	0.00	3.03	0.01	0.00
13.95	2.00	0.00	3.03	0.01	0.00	13.96	2.00	0.00	3.02	0.01	0.00
13.97	2.00	0.00	3.02	0.01	0.00	13.98	2.00	0.00	3.01	0.01	0.00
13.99	2.00	0.00	3.01	0.01	0.00	14.00	2.00	0.00	3.00	0.01	0.00
14.01	2.00	0.00	3.00	0.01	0.00	14.02	2.00	0.00	2.99	0.01	0.00
14.03	2.00	0.00	2.99	0.01	0.00	14.04	2.00	0.00	2.98	0.01	0.00
14.05	2.00	0.00	2.98	0.01	0.00	14.06	2.00	0.00	2.97	0.01	0.00
14.07	2.00	0.00	2.97	0.01	0.00	14.08	2.00	0.00	2.96	0.01	0.00
14.09	2.00	0.00	2.96	0.01	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.11	2.00	0.00	2.95	0.01	0.00	14.12	2.00	0.00	2.94	0.01	0.00
14.13	2.00	0.00	2.94	0.01	0.00	14.14	2.00	0.00	2.93	0.01	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.16	2.00	0.00	2.92	0.01	0.00
14.17	2.00	0.00	2.92	0.01	0.00	14.18	2.00	0.00	2.91	0.01	0.00
14.19	2.00	0.00	2.91	0.01	0.00	14.20	2.00	0.00	2.90	0.01	0.00
14.21	2.00	0.00	2.90	0.01	0.00	14.22	2.00	0.00	2.89	0.01	0.00
14.23	2.00	0.00	2.89	0.01	0.00	14.24	2.00	0.00	2.88	0.01	0.00
14.25	2.00	0.00	2.88	0.01	0.00	14.26	2.00	0.00	2.87	0.01	0.00
14.27	2.00	0.00	2.87	0.01	0.00	14.28	2.00	0.00	2.86	0.01	0.00
14.29	2.00	0.00	2.86	0.01	0.00	14.30	2.00	0.00	2.85	0.01	0.00
14.31	2.00	0.00	2.85	0.01	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.33	2.00	0.00	2.84	0.01	0.00	14.34	2.00	0.00	2.83	0.01	0.00
14.35	2.00	0.00	2.83	0.01	0.00	14.36	2.00	0.00	2.82	0.01	0.00
14.37	2.00	0.00	2.82	0.01	0.00	14.38	2.00	0.00	2.81	0.01	0.00
14.39	2.00	0.00	2.81	0.01	0.00	14.40	2.00	0.00	2.80	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
14.41	2.00	0.00	2.80	0.01	0.00	14.42	2.00	0.00	2.79	0.01	0.00
14.43	2.00	0.00	2.79	0.01	0.00	14.44	2.00	0.00	2.78	0.01	0.00
14.45	2.00	0.00	2.78	0.01	0.00	14.46	2.00	0.00	2.77	0.01	0.00
14.47	2.00	0.00	2.77	0.01	0.00	14.48	2.00	0.00	2.76	0.01	0.00
14.49	2.00	0.00	2.76	0.01	0.00	14.50	2.00	0.00	2.75	0.01	0.00
14.51	2.00	0.00	2.75	0.01	0.00	14.52	2.00	0.00	2.74	0.01	0.00
14.53	2.00	0.00	2.74	0.01	0.00	14.54	2.00	0.00	2.73	0.01	0.00
14.55	2.00	0.00	2.73	0.01	0.00	14.56	2.00	0.00	2.72	0.01	0.00
14.57	2.00	0.00	2.72	0.01	0.00	14.58	2.00	0.00	2.71	0.01	0.00
14.59	2.00	0.00	2.71	0.01	0.00	14.60	2.00	0.00	2.70	0.01	0.00
14.61	2.00	0.00	2.70	0.01	0.00	14.62	2.00	0.00	2.69	0.01	0.00
14.63	2.00	0.00	2.69	0.01	0.00	14.64	2.00	0.00	2.68	0.01	0.00
14.65	2.00	0.00	2.67	0.01	0.00	14.66	2.00	0.00	2.67	0.01	0.00
14.67	2.00	0.00	2.67	0.01	0.00	14.68	2.00	0.00	2.66	0.01	0.00
14.69	2.00	0.00	2.65	0.01	0.00	14.70	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.01	0.00	14.72	2.00	0.00	2.64	0.01	0.00
14.73	2.00	0.00	2.63	0.01	0.00	14.74	2.00	0.00	2.63	0.01	0.00
14.75	2.00	0.00	2.63	0.01	0.00	14.76	2.00	0.00	2.62	0.01	0.00
14.77	2.00	0.00	2.62	0.01	0.00	14.78	2.00	0.00	2.61	0.01	0.00
14.79	2.00	0.00	2.61	0.01	0.00	14.80	2.00	0.00	2.60	0.01	0.00

**Overall liquefaction potential: 15.65**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

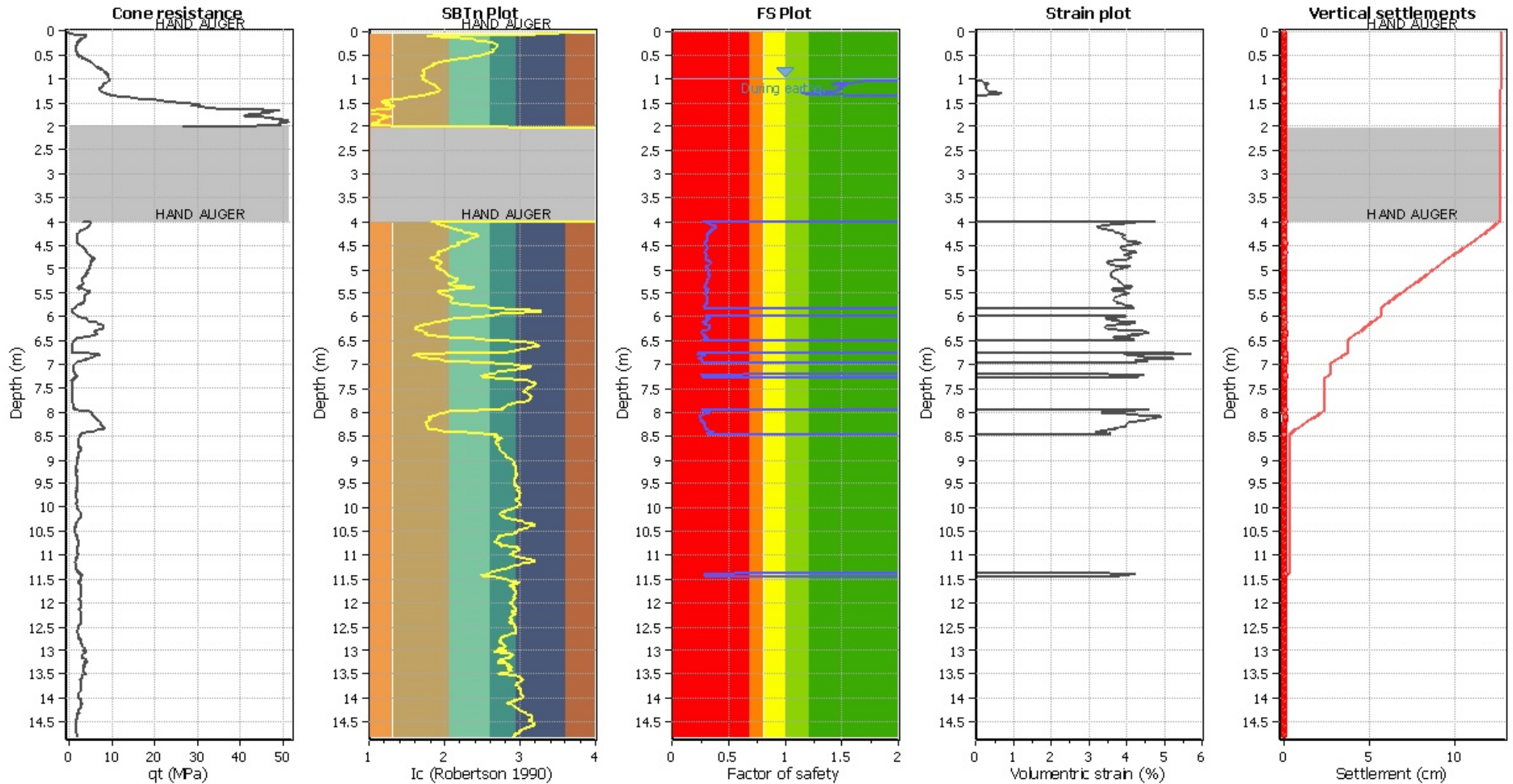
**Abbreviations**

FS: Calculated factor of safety for test point

F<sub>L</sub>: 1 - FSw<sub>z</sub>: Function value of the extend of soil liquefaction according to depthd<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	158.21	2.00	0.00	1.00	0.00	1.01	160.73	2.00	0.00	1.00	0.00
1.02	161.07	2.00	0.00	1.00	0.00	1.03	160.39	2.00	0.00	1.00	0.00
1.04	159.22	1.97	0.01	1.00	0.00	1.05	156.37	1.79	0.09	1.00	0.00
1.06	154.79	1.70	0.14	1.00	0.00	1.07	152.95	1.60	0.20	1.00	0.00
1.08	151.38	1.52	0.25	1.00	0.00	1.09	151.05	1.50	0.27	1.00	0.00
1.10	148.79	1.41	0.35	1.00	0.00	1.11	151.31	1.50	0.27	1.00	0.00
1.12	151.93	1.52	0.26	1.00	0.00	1.13	152.60	1.54	0.24	1.00	0.00
1.14	152.52	1.53	0.25	1.00	0.00	1.15	152.10	1.51	0.27	1.00	0.00
1.16	151.80	1.49	0.28	1.00	0.00	1.17	151.98	1.49	0.28	1.00	0.00
1.18	152.07	1.49	0.28	1.00	0.00	1.19	152.60	1.50	0.27	1.00	0.00
1.20	151.91	1.47	0.30	1.00	0.00	1.21	152.52	1.49	0.28	1.00	0.00
1.22	152.49	1.48	0.29	1.00	0.00	1.23	152.36	1.47	0.29	1.00	0.00
1.24	152.23	1.46	0.30	1.00	0.00	1.25	151.67	1.43	0.33	1.00	0.00
1.26	150.74	1.39	0.36	1.00	0.00	1.27	149.53	1.34	0.41	1.00	0.00
1.28	145.04	1.19	0.60	1.00	0.01	1.29	145.39	1.19	0.59	1.00	0.01
1.30	143.73	1.14	0.68	1.00	0.01	1.31	145.72	1.19	0.59	1.00	0.01
1.32	148.68	1.29	0.47	1.00	0.00	1.33	151.33	1.38	0.37	1.00	0.00
1.34	158.05	1.68	0.15	1.00	0.00	1.35	162.91	1.96	0.01	1.00	0.00
1.36	169.20	2.00	0.00	1.00	0.00	1.37	180.24	2.00	0.00	1.00	0.00
1.38	187.39	2.00	0.00	1.00	0.00	1.39	198.64	2.00	0.00	1.00	0.00
1.40	210.99	2.00	0.00	1.00	0.00	1.41	238.14	2.00	0.00	1.00	0.00
1.42	254.00	2.00	0.00	1.00	0.00	1.43	254.00	2.00	0.00	1.00	0.00
1.44	254.00	2.00	0.00	1.00	0.00	1.45	254.00	2.00	0.00	1.00	0.00
1.46	254.00	2.00	0.00	1.00	0.00	1.47	254.00	2.00	0.00	1.00	0.00
1.48	254.00	2.00	0.00	1.00	0.00	1.49	254.00	2.00	0.00	1.00	0.00
1.50	254.00	2.00	0.00	1.00	0.00	1.51	254.00	2.00	0.00	1.00	0.00
1.52	254.00	2.00	0.00	1.00	0.00	1.53	254.00	2.00	0.00	1.00	0.00
1.54	254.00	2.00	0.00	1.00	0.00	1.55	254.00	2.00	0.00	1.00	0.00
1.56	254.00	2.00	0.00	1.00	0.00	1.57	254.00	2.00	0.00	1.00	0.00
1.58	254.00	2.00	0.00	1.00	0.00	1.59	254.00	2.00	0.00	1.00	0.00
1.60	254.00	2.00	0.00	1.00	0.00	1.61	254.00	2.00	0.00	1.00	0.00
1.62	254.00	2.00	0.00	1.00	0.00	1.63	254.00	2.00	0.00	1.00	0.00
1.64	254.00	2.00	0.00	1.00	0.00	1.65	254.00	2.00	0.00	1.00	0.00
1.66	254.00	2.00	0.00	1.00	0.00	1.67	254.00	2.00	0.00	1.00	0.00
1.68	254.00	2.00	0.00	1.00	0.00	1.69	254.00	2.00	0.00	1.00	0.00
1.70	254.00	2.00	0.00	1.00	0.00	1.71	254.00	2.00	0.00	1.00	0.00
1.72	254.00	2.00	0.00	1.00	0.00	1.73	254.00	2.00	0.00	1.00	0.00
1.74	254.00	2.00	0.00	1.00	0.00	1.75	254.00	2.00	0.00	1.00	0.00
1.76	254.00	2.00	0.00	1.00	0.00	1.77	254.00	2.00	0.00	1.00	0.00
1.78	254.00	2.00	0.00	1.00	0.00	1.79	254.00	2.00	0.00	1.00	0.00
1.80	254.00	2.00	0.00	1.00	0.00	1.81	254.00	2.00	0.00	1.00	0.00
1.82	254.00	2.00	0.00	1.00	0.00	1.83	254.00	2.00	0.00	1.00	0.00
1.84	254.00	2.00	0.00	1.00	0.00	1.85	254.00	2.00	0.00	1.00	0.00
1.86	254.00	2.00	0.00	1.00	0.00	1.87	254.00	2.00	0.00	1.00	0.00
1.88	254.00	2.00	0.00	1.00	0.00	1.89	254.00	2.00	0.00	1.00	0.00
1.90	254.00	2.00	0.00	1.00	0.00	1.91	254.00	2.00	0.00	1.00	0.00
1.92	254.00	2.00	0.00	1.00	0.00	1.93	254.00	2.00	0.00	1.00	0.00
1.94	254.00	2.00	0.00	1.00	0.00	1.95	254.00	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	254.00	2.00	0.00	1.00	0.00	1.97	254.00	2.00	0.00	1.00	0.00
1.98	254.00	2.00	0.00	1.00	0.00	1.99	254.00	2.00	0.00	1.00	0.00
2.00	254.00	2.00	0.00	1.00	0.00	2.01	-167760.1	2.00	0.00	1.00	0.00
2.02	-167760.1	2.00	0.00	1.00	0.00	2.03	-167760.1	2.00	0.00	1.00	0.00
2.04	-167760.1	2.00	0.00	1.00	0.00	2.05	-167760.1	2.00	0.00	1.00	0.00
2.06	-167760.1	2.00	0.00	1.00	0.00	2.07	-167760.1	2.00	0.00	1.00	0.00
2.08	-167760.1	2.00	0.00	1.00	0.00	2.09	-167760.1	2.00	0.00	1.00	0.00
2.10	-167760.1	2.00	0.00	1.00	0.00	2.11	-167760.1	2.00	0.00	1.00	0.00
2.12	-167760.1	2.00	0.00	1.00	0.00	2.13	-167760.1	2.00	0.00	1.00	0.00
2.14	-167760.1	2.00	0.00	1.00	0.00	2.15	-167760.1	2.00	0.00	1.00	0.00
2.16	-167760.1	2.00	0.00	1.00	0.00	2.17	-167760.1	2.00	0.00	1.00	0.00
2.18	-167760.1	2.00	0.00	1.00	0.00	2.19	-167760.1	2.00	0.00	1.00	0.00
2.20	-167760.1	2.00	0.00	1.00	0.00	2.21	-167760.1	2.00	0.00	1.00	0.00
2.22	-167760.1	2.00	0.00	1.00	0.00	2.23	-167760.1	2.00	0.00	1.00	0.00
2.24	-167760.1	2.00	0.00	1.00	0.00	2.25	-167760.1	2.00	0.00	1.00	0.00
2.26	-167760.1	2.00	0.00	1.00	0.00	2.27	-167760.1	2.00	0.00	1.00	0.00
2.28	-167760.1	2.00	0.00	1.00	0.00	2.29	-167760.1	2.00	0.00	1.00	0.00
2.30	-167760.1	2.00	0.00	1.00	0.00	2.31	-167760.1	2.00	0.00	1.00	0.00
2.32	-167760.1	2.00	0.00	1.00	0.00	2.33	-167760.1	2.00	0.00	1.00	0.00
2.34	-167760.1	2.00	0.00	1.00	0.00	2.35	-167760.1	2.00	0.00	1.00	0.00
2.36	-167760.1	2.00	0.00	1.00	0.00	2.37	-167760.1	2.00	0.00	1.00	0.00
2.38	-167760.1	2.00	0.00	1.00	0.00	2.39	-167760.1	2.00	0.00	1.00	0.00
2.40	-167760.1	2.00	0.00	1.00	0.00	2.41	-167760.1	2.00	0.00	1.00	0.00
2.42	-167760.1	2.00	0.00	1.00	0.00	2.43	-167760.1	2.00	0.00	1.00	0.00
2.44	-167760.1	2.00	0.00	1.00	0.00	2.45	-167760.1	2.00	0.00	1.00	0.00
2.46	-167760.1	2.00	0.00	1.00	0.00	2.47	-167760.1	2.00	0.00	1.00	0.00
2.48	-167760.1	2.00	0.00	1.00	0.00	2.49	-167760.1	2.00	0.00	1.00	0.00
2.50	-167760.1	2.00	0.00	1.00	0.00	2.51	-167760.1	2.00	0.00	1.00	0.00
2.52	-167760.1	2.00	0.00	1.00	0.00	2.53	-167760.1	2.00	0.00	1.00	0.00
2.54	-167760.1	2.00	0.00	1.00	0.00	2.55	-167760.1	2.00	0.00	1.00	0.00
2.56	-167760.1	2.00	0.00	1.00	0.00	2.57	-167760.1	2.00	0.00	1.00	0.00
2.58	-167760.1	2.00	0.00	1.00	0.00	2.59	-167760.1	2.00	0.00	1.00	0.00
2.60	-167760.1	2.00	0.00	1.00	0.00	2.61	-167760.1	2.00	0.00	1.00	0.00
2.62	-167760.1	2.00	0.00	1.00	0.00	2.63	-167760.1	2.00	0.00	1.00	0.00
2.64	-167760.1	2.00	0.00	1.00	0.00	2.65	-167760.1	2.00	0.00	1.00	0.00
2.66	-167760.1	2.00	0.00	1.00	0.00	2.67	-167760.1	2.00	0.00	1.00	0.00
2.68	-167760.1	2.00	0.00	1.00	0.00	2.69	-167760.1	2.00	0.00	1.00	0.00
2.70	-167760.1	2.00	0.00	1.00	0.00	2.71	-167760.1	2.00	0.00	1.00	0.00
2.72	-167760.1	2.00	0.00	1.00	0.00	2.73	-167760.1	2.00	0.00	1.00	0.00
2.74	-167760.1	2.00	0.00	1.00	0.00	2.75	-167760.1	2.00	0.00	1.00	0.00
2.76	-167760.1	2.00	0.00	1.00	0.00	2.77	-167760.1	2.00	0.00	1.00	0.00
2.78	-167760.1	2.00	0.00	1.00	0.00	2.79	-167760.1	2.00	0.00	1.00	0.00
2.80	-167760.1	2.00	0.00	1.00	0.00	2.81	-167760.1	2.00	0.00	1.00	0.00
2.82	-167760.1	2.00	0.00	1.00	0.00	2.83	-167760.1	2.00	0.00	1.00	0.00
2.84	-167760.1	2.00	0.00	1.00	0.00	2.85	-167760.1	2.00	0.00	1.00	0.00
2.86	-167760.1	2.00	0.00	1.00	0.00	2.87	-167760.1	2.00	0.00	1.00	0.00
2.88	-167760.1	2.00	0.00	1.00	0.00	2.89	-167760.1	2.00	0.00	1.00	0.00
2.90	-167760.1	2.00	0.00	1.00	0.00	2.91	-167760.1	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	-167760.1	2.00	0.00	1.00	0.00	2.93	-167760.1	2.00	0.00	1.00	0.00
2.94	-167760.1	2.00	0.00	1.00	0.00	2.95	-167760.1	2.00	0.00	1.00	0.00
2.96	-167760.1	2.00	0.00	1.00	0.00	2.97	-167760.1	2.00	0.00	1.00	0.00
2.98	-167760.1	2.00	0.00	1.00	0.00	2.99	-167760.1	2.00	0.00	1.00	0.00
3.00	-167760.1	2.00	0.00	1.00	0.00	3.01	-167760.1	2.00	0.00	1.00	0.00
3.02	-167760.1	2.00	0.00	1.00	0.00	3.03	-167760.1	2.00	0.00	1.00	0.00
3.04	-167760.1	2.00	0.00	1.00	0.00	3.05	-167760.1	2.00	0.00	1.00	0.00
3.06	-167760.1	2.00	0.00	1.00	0.00	3.07	-167760.1	2.00	0.00	1.00	0.00
3.08	-167760.1	2.00	0.00	1.00	0.00	3.09	-167760.1	2.00	0.00	1.00	0.00
3.10	-167760.1	2.00	0.00	1.00	0.00	3.11	-167760.1	2.00	0.00	1.00	0.00
3.12	-167760.1	2.00	0.00	1.00	0.00	3.13	-167760.1	2.00	0.00	1.00	0.00
3.14	-167760.1	2.00	0.00	1.00	0.00	3.15	-167760.1	2.00	0.00	1.00	0.00
3.16	-167760.1	2.00	0.00	1.00	0.00	3.17	-167760.1	2.00	0.00	1.00	0.00
3.18	-167760.1	2.00	0.00	1.00	0.00	3.19	-167760.1	2.00	0.00	1.00	0.00
3.20	-167760.1	2.00	0.00	1.00	0.00	3.21	-167760.1	2.00	0.00	1.00	0.00
3.22	-167760.1	2.00	0.00	1.00	0.00	3.23	-167760.1	2.00	0.00	1.00	0.00
3.24	-167760.1	2.00	0.00	1.00	0.00	3.25	-167760.1	2.00	0.00	1.00	0.00
3.26	-167760.1	2.00	0.00	1.00	0.00	3.27	-167760.1	2.00	0.00	1.00	0.00
3.28	-167760.1	2.00	0.00	1.00	0.00	3.29	-167760.1	2.00	0.00	1.00	0.00
3.30	-167760.1	2.00	0.00	1.00	0.00	3.31	-167760.1	2.00	0.00	1.00	0.00
3.32	-167760.1	2.00	0.00	1.00	0.00	3.33	-167760.1	2.00	0.00	1.00	0.00
3.34	-167760.1	2.00	0.00	1.00	0.00	3.35	-167760.1	2.00	0.00	1.00	0.00
3.36	-167760.1	2.00	0.00	1.00	0.00	3.37	-167760.1	2.00	0.00	1.00	0.00
3.38	-167760.1	2.00	0.00	1.00	0.00	3.39	-167760.1	2.00	0.00	1.00	0.00
3.40	-167760.1	2.00	0.00	1.00	0.00	3.41	-167760.1	2.00	0.00	1.00	0.00
3.42	-167760.1	2.00	0.00	1.00	0.00	3.43	-167760.1	2.00	0.00	1.00	0.00
3.44	-167760.1	2.00	0.00	1.00	0.00	3.45	-167760.1	2.00	0.00	1.00	0.00
3.46	-167760.1	2.00	0.00	1.00	0.00	3.47	-167760.1	2.00	0.00	1.00	0.00
3.48	-167760.1	2.00	0.00	1.00	0.00	3.49	-167760.1	2.00	0.00	1.00	0.00
3.50	-167686.5	2.00	0.00	1.00	0.00	3.51	-167452.6	2.00	0.00	1.00	0.00
3.52	-167219.4	2.00	0.00	1.00	0.00	3.53	-166987.0	2.00	0.00	1.00	0.00
3.54	-166955.4	2.00	0.00	1.00	0.00	3.55	-166524.4	2.00	0.00	1.00	0.00
3.56	-166294.2	2.00	0.00	1.00	0.00	3.57	-166064.7	2.00	0.00	1.00	0.00
3.58	-165835.9	2.00	0.00	1.00	0.00	3.59	-165607.9	2.00	0.00	1.00	0.00
3.60	-165380.5	2.00	0.00	1.00	0.00	3.61	-165153.9	2.00	0.00	1.00	0.00
3.62	-164928.0	2.00	0.00	1.00	0.00	3.63	-164702.7	2.00	0.00	1.00	0.00
3.64	-164478.2	2.00	0.00	1.00	0.00	3.65	-164254.4	2.00	0.00	1.00	0.00
3.66	-164031.3	2.00	0.00	1.00	0.00	3.67	-163808.8	2.00	0.00	1.00	0.00
3.68	-163587.1	2.00	0.00	1.00	0.00	3.69	-163366.0	2.00	0.00	1.00	0.00
3.70	-163145.6	2.00	0.00	1.00	0.00	3.71	-162925.9	2.00	0.00	1.00	0.00
3.72	-162706.8	2.00	0.00	1.00	0.00	3.73	-162488.4	2.00	0.00	1.00	0.00
3.74	-162270.7	2.00	0.00	1.00	0.00	3.75	-162053.7	2.00	0.00	1.00	0.00
3.76	-161837.3	2.00	0.00	1.00	0.00	3.77	-161621.6	2.00	0.00	1.00	0.00
3.78	-161406.5	2.00	0.00	1.00	0.00	3.79	-161192.1	2.00	0.00	1.00	0.00
3.80	-160978.3	2.00	0.00	1.00	0.00	3.81	-160765.2	2.00	0.00	1.00	0.00
3.82	-160552.7	2.00	0.00	1.00	0.00	3.83	-160340.8	2.00	0.00	1.00	0.00
3.84	-160129.6	2.00	0.00	1.00	0.00	3.85	-159919.1	2.00	0.00	1.00	0.00
3.86	-159709.1	2.00	0.00	1.00	0.00	3.87	-159499.8	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	-159291.1	2.00	0.00	1.00	0.00	3.89	-159083.0	2.00	0.00	1.00	0.00
3.90	-158875.6	2.00	0.00	1.00	0.00	3.91	-158668.7	2.00	0.00	1.00	0.00
3.92	-158462.5	2.00	0.00	1.00	0.00	3.93	-158256.9	2.00	0.00	1.00	0.00
3.94	-158051.9	2.00	0.00	1.00	0.00	3.95	-157847.5	2.00	0.00	1.00	0.00
3.96	-157643.6	2.00	0.00	1.00	0.00	3.97	-157440.4	2.00	0.00	1.00	0.00
3.98	-157237.8	2.00	0.00	1.00	0.00	3.99	-157035.8	2.00	0.00	1.00	0.00
4.00	83.27	0.32	3.86	1.00	0.04	4.01	66.61	0.27	4.76	1.00	0.05
4.02	75.26	0.30	4.25	1.00	0.04	4.03	81.52	0.31	3.94	1.00	0.04
4.04	85.85	0.33	3.74	1.00	0.04	4.05	88.41	0.34	3.64	1.00	0.04
4.06	90.97	0.35	3.54	1.00	0.04	4.07	93.34	0.36	3.45	1.00	0.03
4.08	96.34	0.37	3.34	1.00	0.03	4.09	97.71	0.37	3.29	1.00	0.03
4.10	99.18	0.38	3.24	1.00	0.03	4.11	100.49	0.39	3.20	1.00	0.03
4.12	99.52	0.38	3.23	1.00	0.03	4.13	99.02	0.38	3.25	1.00	0.03
4.14	98.48	0.38	3.26	1.00	0.03	4.15	94.78	0.36	3.39	1.00	0.03
4.16	93.22	0.35	3.45	1.00	0.03	4.17	91.90	0.35	3.50	1.00	0.03
4.18	91.39	0.35	3.52	1.00	0.04	4.19	88.52	0.34	3.63	1.00	0.04
4.20	88.19	0.33	3.65	1.00	0.04	4.21	87.39	0.33	3.68	1.00	0.04
4.22	85.38	0.32	3.76	1.00	0.04	4.23	84.67	0.32	3.79	1.00	0.04
4.24	84.15	0.32	3.82	1.00	0.04	4.25	83.74	0.32	3.84	1.00	0.04
4.26	81.88	0.31	3.92	1.00	0.04	4.27	81.62	0.31	3.93	1.00	0.04
4.28	81.26	0.31	3.95	1.00	0.04	4.29	81.18	0.31	3.95	1.00	0.04
4.30	81.54	0.31	3.94	1.00	0.04	4.31	82.03	0.31	3.91	1.00	0.04
4.32	82.54	0.31	3.89	1.00	0.04	4.33	82.33	0.31	3.90	1.00	0.04
4.34	81.94	0.31	3.92	1.00	0.04	4.35	81.72	0.31	3.93	1.00	0.04
4.36	81.45	0.31	3.94	1.00	0.04	4.37	81.20	0.31	3.95	1.00	0.04
4.38	80.72	0.31	3.97	1.00	0.04	4.39	79.87	0.30	4.02	1.00	0.04
4.40	78.39	0.30	4.09	1.00	0.04	4.41	76.65	0.29	4.18	1.00	0.04
4.42	74.53	0.29	4.29	1.00	0.04	4.43	73.02	0.28	4.37	1.00	0.04
4.44	72.89	0.28	4.38	1.00	0.04	4.45	73.67	0.28	4.34	1.00	0.04
4.46	75.91	0.29	4.22	1.00	0.04	4.47	76.86	0.29	4.17	1.00	0.04
4.48	77.32	0.29	4.14	1.00	0.04	4.49	80.58	0.30	3.98	1.00	0.04
4.50	81.30	0.31	3.95	1.00	0.04	4.51	81.32	0.31	3.95	1.00	0.04
4.52	81.38	0.31	3.94	1.00	0.04	4.53	83.70	0.31	3.84	1.00	0.04
4.54	83.77	0.31	3.83	1.00	0.04	4.55	83.86	0.31	3.83	1.00	0.04
4.56	82.85	0.31	3.88	1.00	0.04	4.57	82.40	0.31	3.90	1.00	0.04
4.58	81.11	0.30	3.96	1.00	0.04	4.59	79.91	0.30	4.01	1.00	0.04
4.60	79.78	0.30	4.02	1.00	0.04	4.61	77.77	0.29	4.12	1.00	0.04
4.62	76.03	0.29	4.21	1.00	0.04	4.63	74.93	0.29	4.27	1.00	0.04
4.64	74.81	0.28	4.27	1.00	0.04	4.65	76.00	0.29	4.21	1.00	0.04
4.66	77.29	0.29	4.14	1.00	0.04	4.67	78.63	0.30	4.08	1.00	0.04
4.68	79.55	0.30	4.03	1.00	0.04	4.69	79.86	0.30	4.02	1.00	0.04
4.70	81.54	0.30	3.94	1.00	0.04	4.71	81.09	0.30	3.96	1.00	0.04
4.72	78.70	0.29	4.07	1.00	0.04	4.73	79.28	0.30	4.04	1.00	0.04
4.74	77.19	0.29	4.15	1.00	0.04	4.75	77.06	0.29	4.16	1.00	0.04
4.76	79.06	0.30	4.05	1.00	0.04	4.77	78.66	0.29	4.07	1.00	0.04
4.78	79.98	0.30	4.01	1.00	0.04	4.79	80.41	0.30	3.99	1.00	0.04
4.80	84.44	0.31	3.80	1.00	0.04	4.81	86.64	0.32	3.71	1.00	0.04
4.82	88.84	0.33	3.62	1.00	0.04	4.83	90.80	0.33	3.54	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	91.89	0.34	3.50	1.00	0.03	4.85	93.03	0.34	3.46	1.00	0.03
4.86	93.10	0.34	3.45	1.00	0.03	4.87	92.95	0.34	3.46	1.00	0.03
4.88	92.06	0.34	3.49	1.00	0.03	4.89	91.12	0.33	3.53	1.00	0.04
4.90	90.89	0.33	3.54	1.00	0.04	4.91	87.47	0.32	3.68	1.00	0.04
4.92	81.39	0.30	3.94	1.00	0.04	4.93	78.15	0.29	4.10	1.00	0.04
4.94	79.44	0.29	4.04	1.00	0.04	4.95	80.32	0.30	3.99	1.00	0.04
4.96	80.87	0.30	3.97	1.00	0.04	4.97	82.16	0.30	3.91	1.00	0.04
4.98	83.00	0.30	3.87	1.00	0.04	4.99	84.50	0.31	3.80	1.00	0.04
5.00	85.46	0.31	3.76	1.00	0.04	5.01	86.05	0.31	3.73	1.00	0.04
5.02	87.08	0.32	3.69	1.00	0.04	5.03	87.93	0.32	3.66	1.00	0.04
5.04	88.22	0.32	3.64	1.00	0.04	5.05	88.87	0.32	3.62	1.00	0.04
5.06	89.21	0.32	3.60	1.00	0.04	5.07	89.53	0.33	3.59	1.00	0.04
5.08	89.75	0.33	3.58	1.00	0.04	5.09	90.16	0.33	3.57	1.00	0.04
5.10	90.02	0.33	3.57	1.00	0.04	5.11	90.13	0.33	3.57	1.00	0.04
5.12	90.34	0.33	3.56	1.00	0.04	5.13	90.05	0.33	3.57	1.00	0.04
5.14	90.26	0.33	3.56	1.00	0.04	5.15	88.72	0.32	3.62	1.00	0.04
5.16	88.55	0.32	3.63	1.00	0.04	5.17	88.11	0.32	3.65	1.00	0.04
5.18	87.71	0.32	3.66	1.00	0.04	5.19	86.35	0.31	3.72	1.00	0.04
5.20	86.18	0.31	3.73	1.00	0.04	5.21	85.65	0.31	3.75	1.00	0.04
5.22	85.63	0.31	3.75	1.00	0.04	5.23	85.16	0.31	3.77	1.00	0.04
5.24	85.06	0.31	3.78	1.00	0.04	5.25	84.51	0.31	3.80	1.00	0.04
5.26	84.66	0.31	3.79	1.00	0.04	5.27	84.06	0.30	3.82	1.00	0.04
5.28	83.74	0.30	3.84	1.00	0.04	5.29	83.01	0.30	3.87	1.00	0.04
5.30	82.98	0.30	3.87	1.00	0.04	5.31	82.39	0.30	3.90	1.00	0.04
5.32	82.27	0.30	3.90	1.00	0.04	5.33	82.22	0.30	3.90	1.00	0.04
5.34	81.69	0.30	3.93	1.00	0.04	5.35	81.44	0.30	3.94	1.00	0.04
5.36	76.96	0.28	4.16	1.00	0.04	5.37	76.94	0.28	4.16	1.00	0.04
5.38	76.95	0.28	4.16	1.00	0.04	5.39	77.75	0.29	4.12	1.00	0.04
5.40	79.55	0.29	4.03	1.00	0.04	5.41	87.20	0.31	3.69	1.00	0.04
5.42	89.37	0.32	3.60	1.00	0.04	5.43	89.24	0.32	3.60	1.00	0.04
5.44	86.87	0.31	3.70	1.00	0.04	5.45	82.70	0.30	3.88	1.00	0.04
5.46	81.37	0.29	3.94	1.00	0.04	5.47	81.86	0.30	3.92	1.00	0.04
5.48	81.89	0.30	3.92	1.00	0.04	5.49	80.58	0.29	3.98	1.00	0.04
5.50	78.99	0.29	4.06	1.00	0.04	5.51	79.69	0.29	4.02	1.00	0.04
5.52	80.02	0.29	4.01	1.00	0.04	5.53	82.15	0.30	3.91	1.00	0.04
5.54	83.06	0.30	3.87	1.00	0.04	5.55	84.13	0.30	3.82	1.00	0.04
5.56	84.07	0.30	3.82	1.00	0.04	5.57	85.19	0.31	3.77	1.00	0.04
5.58	86.05	0.31	3.73	1.00	0.04	5.59	86.88	0.31	3.70	1.00	0.04
5.60	87.24	0.31	3.68	1.00	0.04	5.61	87.62	0.31	3.67	1.00	0.04
5.62	87.70	0.31	3.67	1.00	0.04	5.63	87.73	0.31	3.66	1.00	0.04
5.64	87.59	0.31	3.67	1.00	0.04	5.65	87.29	0.31	3.68	1.00	0.04
5.66	86.95	0.31	3.70	1.00	0.04	5.67	85.92	0.31	3.74	1.00	0.04
5.68	85.80	0.31	3.75	1.00	0.04	5.69	85.54	0.31	3.76	1.00	0.04
5.70	85.10	0.30	3.78	1.00	0.04	5.71	85.90	0.31	3.74	1.00	0.04
5.72	83.05	0.30	3.87	1.00	0.04	5.73	82.93	0.30	3.87	1.00	0.04
5.74	81.48	0.29	3.94	1.00	0.04	5.75	81.43	0.29	3.94	1.00	0.04
5.76	78.05	0.28	4.10	1.00	0.04	5.77	77.18	0.28	4.15	1.00	0.04
5.78	76.93	0.28	4.16	1.00	0.04	5.79	76.19	0.28	4.20	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	18.34	2.00	0.00	1.00	0.00	5.81	16.89	2.00	0.00	1.00	0.00
5.82	14.95	2.00	0.00	1.00	0.00	5.83	13.00	2.00	0.00	1.00	0.00
5.84	9.97	2.00	0.00	1.00	0.00	5.85	9.24	2.00	0.00	1.00	0.00
5.86	8.75	2.00	0.00	1.00	0.00	5.87	8.50	2.00	0.00	1.00	0.00
5.88	8.37	2.00	0.00	1.00	0.00	5.89	8.61	2.00	0.00	1.00	0.00
5.90	8.60	2.00	0.00	1.00	0.00	5.91	8.60	2.00	0.00	1.00	0.00
5.92	14.01	2.00	0.00	1.00	0.00	5.93	14.85	2.00	0.00	1.00	0.00
5.94	18.06	2.00	0.00	1.00	0.00	5.95	19.96	2.00	0.00	1.00	0.00
5.96	21.61	2.00	0.00	1.00	0.00	5.97	81.16	0.29	3.95	1.00	0.04
5.98	80.87	0.29	3.97	1.00	0.04	5.99	81.61	0.29	3.93	1.00	0.04
6.00	83.02	0.30	3.87	1.00	0.04	6.01	87.42	0.31	3.68	1.00	0.04
6.02	94.13	0.33	3.42	1.00	0.03	6.03	94.01	0.33	3.42	1.00	0.03
6.04	92.46	0.33	3.48	1.00	0.03	6.05	91.49	0.32	3.51	1.00	0.04
6.06	89.91	0.32	3.58	1.00	0.04	6.07	88.06	0.31	3.65	1.00	0.04
6.08	86.47	0.31	3.72	1.00	0.04	6.09	84.81	0.30	3.79	1.00	0.04
6.10	83.62	0.30	3.84	1.00	0.04	6.11	81.18	0.29	3.95	1.00	0.04
6.12	75.80	0.27	4.22	1.00	0.04	6.13	78.57	0.28	4.08	1.00	0.04
6.14	80.83	0.29	3.97	1.00	0.04	6.15	84.34	0.30	3.81	1.00	0.04
6.16	87.16	0.31	3.69	1.00	0.04	6.17	88.99	0.31	3.61	1.00	0.04
6.18	93.23	0.33	3.45	1.00	0.03	6.19	94.05	0.33	3.42	1.00	0.03
6.20	93.90	0.33	3.42	1.00	0.03	6.21	93.52	0.33	3.44	1.00	0.03
6.22	93.48	0.33	3.44	1.00	0.03	6.23	93.76	0.33	3.43	1.00	0.03
6.24	93.39	0.33	3.44	1.00	0.03	6.25	92.25	0.32	3.49	1.00	0.03
6.26	90.01	0.32	3.57	1.00	0.04	6.27	87.45	0.31	3.68	1.00	0.04
6.28	80.01	0.29	4.01	1.00	0.04	6.29	75.87	0.27	4.22	1.00	0.04
6.30	72.38	0.27	4.41	1.00	0.04	6.31	70.00	0.26	4.55	1.00	0.05
6.32	69.07	0.26	4.61	1.00	0.05	6.33	70.38	0.26	4.53	1.00	0.05
6.34	72.68	0.27	4.39	1.00	0.04	6.35	75.53	0.27	4.24	1.00	0.04
6.36	77.49	0.28	4.13	1.00	0.04	6.37	77.26	0.28	4.15	1.00	0.04
6.38	73.82	0.27	4.33	1.00	0.04	6.39	78.22	0.28	4.10	1.00	0.04
6.40	82.24	0.29	3.90	1.00	0.04	6.41	86.71	0.30	3.71	1.00	0.04
6.42	88.25	0.31	3.64	1.00	0.04	6.43	88.30	0.31	3.64	1.00	0.04
6.44	87.41	0.31	3.68	1.00	0.04	6.45	77.86	0.28	4.11	1.00	0.04
6.46	76.14	0.27	4.20	1.00	0.04	6.47	17.78	2.00	0.00	1.00	0.00
6.48	16.02	2.00	0.00	1.00	0.00	6.49	13.92	2.00	0.00	1.00	0.00
6.50	12.74	2.00	0.00	1.00	0.00	6.51	12.15	2.00	0.00	1.00	0.00
6.52	10.98	2.00	0.00	1.00	0.00	6.53	10.62	2.00	0.00	1.00	0.00
6.54	10.15	2.00	0.00	1.00	0.00	6.55	9.79	2.00	0.00	1.00	0.00
6.56	9.55	2.00	0.00	1.00	0.00	6.57	9.08	2.00	0.00	1.00	0.00
6.58	8.49	2.00	0.00	1.00	0.00	6.59	8.14	2.00	0.00	1.00	0.00
6.60	7.67	2.00	0.00	1.00	0.00	6.61	7.43	2.00	0.00	1.00	0.00
6.62	7.31	2.00	0.00	1.00	0.00	6.63	7.07	2.00	0.00	1.00	0.00
6.64	6.95	2.00	0.00	1.00	0.00	6.65	6.83	2.00	0.00	1.00	0.00
6.66	6.71	2.00	0.00	1.00	0.00	6.67	6.71	2.00	0.00	1.00	0.00
6.68	6.71	2.00	0.00	1.00	0.00	6.69	6.70	2.00	0.00	1.00	0.00
6.70	6.70	2.00	0.00	1.00	0.00	6.71	6.93	2.00	0.00	1.00	0.00
6.72	7.05	2.00	0.00	1.00	0.00	6.73	7.40	2.00	0.00	1.00	0.00
6.74	7.98	2.00	0.00	1.00	0.00	6.75	59.42	0.23	5.28	1.00	0.05



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	70.87	0.26	4.50	1.00	0.04	6.77	54.21	0.22	5.72	1.00	0.06
6.78	66.01	0.25	4.80	1.00	0.05	6.79	81.65	0.29	3.93	1.00	0.04
6.80	81.40	0.29	3.94	1.00	0.04	6.81	79.08	0.28	4.05	1.00	0.04
6.82	75.23	0.27	4.25	1.00	0.04	6.83	70.81	0.26	4.50	1.00	0.05
6.84	66.49	0.25	4.77	1.00	0.05	6.85	62.37	0.24	5.06	1.00	0.05
6.86	59.63	0.23	5.26	1.00	0.05	6.87	61.23	0.24	5.14	1.00	0.05
6.88	70.54	0.26	4.52	1.00	0.05	6.89	72.99	0.26	4.37	1.00	0.04
6.90	75.95	0.27	4.21	1.00	0.04	6.91	76.35	0.27	4.19	1.00	0.04
6.92	69.35	0.26	4.59	1.00	0.05	6.93	76.34	0.27	4.19	1.00	0.04
6.94	74.85	0.27	4.27	1.00	0.04	6.95	75.95	0.27	4.21	1.00	0.04
6.96	75.25	0.27	4.25	1.00	0.04	6.97	18.05	2.00	0.00	1.00	0.00
6.98	17.23	2.00	0.00	1.00	0.00	6.99	16.20	2.00	0.00	1.00	0.00
7.00	15.28	2.00	0.00	1.00	0.00	7.01	12.88	2.00	0.00	1.00	0.00
7.02	11.85	2.00	0.00	1.00	0.00	7.03	11.62	2.00	0.00	1.00	0.00
7.04	11.39	2.00	0.00	1.00	0.00	7.05	11.15	2.00	0.00	1.00	0.00
7.06	11.26	2.00	0.00	1.00	0.00	7.07	11.48	2.00	0.00	1.00	0.00
7.08	11.81	2.00	0.00	1.00	0.00	7.09	11.92	2.00	0.00	1.00	0.00
7.10	12.14	2.00	0.00	1.00	0.00	7.11	12.14	2.00	0.00	1.00	0.00
7.12	12.25	2.00	0.00	1.00	0.00	7.13	12.36	2.00	0.00	1.00	0.00
7.14	12.58	2.00	0.00	1.00	0.00	7.15	13.14	2.00	0.00	1.00	0.00
7.16	13.82	2.00	0.00	1.00	0.00	7.17	14.60	2.00	0.00	1.00	0.00
7.18	14.94	2.00	0.00	1.00	0.00	7.19	15.61	2.00	0.00	1.00	0.00
7.20	71.48	0.26	4.46	1.00	0.04	7.21	72.10	0.26	4.42	1.00	0.04
7.22	73.11	0.26	4.37	1.00	0.04	7.23	74.33	0.27	4.30	1.00	0.04
7.24	75.45	0.27	4.24	1.00	0.04	7.25	76.73	0.27	4.17	1.00	0.04
7.26	76.43	0.27	4.19	1.00	0.04	7.27	74.18	0.27	4.31	1.00	0.04
7.28	16.32	2.00	0.00	1.00	0.00	7.29	14.63	2.00	0.00	1.00	0.00
7.30	13.16	2.00	0.00	1.00	0.00	7.31	12.02	2.00	0.00	1.00	0.00
7.32	9.65	2.00	0.00	1.00	0.00	7.33	8.64	2.00	0.00	1.00	0.00
7.34	8.07	2.00	0.00	1.00	0.00	7.35	7.61	2.00	0.00	1.00	0.00
7.36	7.27	2.00	0.00	1.00	0.00	7.37	7.16	2.00	0.00	1.00	0.00
7.38	6.93	2.00	0.00	1.00	0.00	7.39	6.81	2.00	0.00	1.00	0.00
7.40	6.70	2.00	0.00	1.00	0.00	7.41	6.69	2.00	0.00	1.00	0.00
7.42	6.69	2.00	0.00	1.00	0.00	7.43	6.69	2.00	0.00	1.00	0.00
7.44	6.68	2.00	0.00	1.00	0.00	7.45	6.68	2.00	0.00	1.00	0.00
7.46	6.68	2.00	0.00	1.00	0.00	7.47	6.56	2.00	0.00	1.00	0.00
7.48	6.56	2.00	0.00	1.00	0.00	7.49	6.56	2.00	0.00	1.00	0.00
7.50	6.55	2.00	0.00	1.00	0.00	7.51	6.66	2.00	0.00	1.00	0.00
7.52	6.66	2.00	0.00	1.00	0.00	7.53	6.77	2.00	0.00	1.00	0.00
7.54	6.77	2.00	0.00	1.00	0.00	7.55	6.88	2.00	0.00	1.00	0.00
7.56	6.99	2.00	0.00	1.00	0.00	7.57	7.10	2.00	0.00	1.00	0.00
7.58	6.87	2.00	0.00	1.00	0.00	7.59	6.87	2.00	0.00	1.00	0.00
7.60	6.86	2.00	0.00	1.00	0.00	7.61	6.86	2.00	0.00	1.00	0.00
7.62	6.86	2.00	0.00	1.00	0.00	7.63	6.74	2.00	0.00	1.00	0.00
7.64	6.52	2.00	0.00	1.00	0.00	7.65	6.40	2.00	0.00	1.00	0.00
7.66	6.40	2.00	0.00	1.00	0.00	7.67	6.40	2.00	0.00	1.00	0.00
7.68	6.39	2.00	0.00	1.00	0.00	7.69	6.39	2.00	0.00	1.00	0.00
7.70	6.50	2.00	0.00	1.00	0.00	7.71	6.50	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	6.50	2.00	0.00	1.00	0.00	7.73	6.60	2.00	0.00	1.00	0.00
7.74	6.60	2.00	0.00	1.00	0.00	7.75	6.71	2.00	0.00	1.00	0.00
7.76	6.82	2.00	0.00	1.00	0.00	7.77	6.93	2.00	0.00	1.00	0.00
7.78	7.15	2.00	0.00	1.00	0.00	7.79	7.70	2.00	0.00	1.00	0.00
7.80	8.25	2.00	0.00	1.00	0.00	7.81	9.46	2.00	0.00	1.00	0.00
7.82	9.46	2.00	0.00	1.00	0.00	7.83	9.68	2.00	0.00	1.00	0.00
7.84	10.33	2.00	0.00	1.00	0.00	7.85	10.66	2.00	0.00	1.00	0.00
7.86	11.10	2.00	0.00	1.00	0.00	7.87	11.53	2.00	0.00	1.00	0.00
7.88	11.97	2.00	0.00	1.00	0.00	7.89	12.29	2.00	0.00	1.00	0.00
7.90	12.29	2.00	0.00	1.00	0.00	7.91	12.28	2.00	0.00	1.00	0.00
7.92	14.25	2.00	0.00	1.00	0.00	7.93	13.26	2.00	0.00	1.00	0.00
7.94	12.48	2.00	0.00	1.00	0.00	7.95	68.81	0.25	4.62	1.00	0.05
7.96	83.49	0.29	3.85	1.00	0.04	7.97	89.79	0.31	3.58	1.00	0.04
7.98	94.34	0.32	3.41	1.00	0.03	7.99	96.11	0.33	3.35	1.00	0.03
8.00	96.76	0.33	3.32	1.00	0.03	8.01	96.65	0.33	3.33	1.00	0.03
8.02	93.76	0.32	3.43	1.00	0.03	8.03	88.16	0.30	3.65	1.00	0.04
8.04	81.02	0.28	3.96	1.00	0.04	8.05	73.23	0.26	4.36	1.00	0.04
8.06	69.59	0.25	4.57	1.00	0.05	8.07	66.63	0.25	4.76	1.00	0.05
8.08	64.19	0.24	4.93	1.00	0.05	8.09	64.55	0.24	4.90	1.00	0.05
8.10	65.26	0.24	4.85	1.00	0.05	8.11	66.14	0.25	4.79	1.00	0.05
8.12	66.92	0.25	4.74	1.00	0.05	8.13	68.01	0.25	4.67	1.00	0.05
8.14	69.18	0.25	4.60	1.00	0.05	8.15	70.60	0.26	4.51	1.00	0.05
8.16	71.01	0.26	4.49	1.00	0.04	8.17	71.70	0.26	4.45	1.00	0.04
8.18	72.74	0.26	4.39	1.00	0.04	8.19	73.96	0.26	4.32	1.00	0.04
8.20	77.32	0.27	4.14	1.00	0.04	8.21	78.43	0.27	4.09	1.00	0.04
8.22	79.23	0.28	4.05	1.00	0.04	8.23	80.03	0.28	4.01	1.00	0.04
8.24	80.72	0.28	3.97	1.00	0.04	8.25	81.10	0.28	3.96	1.00	0.04
8.26	81.07	0.28	3.96	1.00	0.04	8.27	80.75	0.28	3.97	1.00	0.04
8.28	80.69	0.28	3.98	1.00	0.04	8.29	81.30	0.28	3.95	1.00	0.04
8.30	83.31	0.29	3.85	1.00	0.04	8.31	84.36	0.29	3.81	1.00	0.04
8.32	85.44	0.29	3.76	1.00	0.04	8.33	86.83	0.30	3.70	1.00	0.04
8.34	88.14	0.30	3.65	1.00	0.04	8.35	88.23	0.30	3.64	1.00	0.04
8.36	85.83	0.30	3.74	1.00	0.04	8.37	86.12	0.30	3.73	1.00	0.04
8.38	92.27	0.32	3.49	1.00	0.03	8.39	98.18	0.34	3.27	1.00	0.03
8.40	102.35	0.36	3.14	1.00	0.03	8.41	95.99	0.33	3.35	1.00	0.03
8.42	95.63	0.33	3.36	1.00	0.03	8.43	92.93	0.32	3.46	1.00	0.03
8.44	91.59	0.31	3.51	1.00	0.04	8.45	89.51	0.31	3.59	1.00	0.04
8.46	28.60	2.00	0.00	1.00	0.00	8.47	26.68	2.00	0.00	1.00	0.00
8.48	26.24	2.00	0.00	1.00	0.00	8.49	26.76	2.00	0.00	1.00	0.00
8.50	27.27	2.00	0.00	1.00	0.00	8.51	27.68	2.00	0.00	1.00	0.00
8.52	27.56	2.00	0.00	1.00	0.00	8.53	27.02	2.00	0.00	1.00	0.00
8.54	25.11	2.00	0.00	1.00	0.00	8.55	23.93	2.00	0.00	1.00	0.00
8.56	23.82	2.00	0.00	1.00	0.00	8.57	24.02	2.00	0.00	1.00	0.00
8.58	24.32	2.00	0.00	1.00	0.00	8.59	24.42	2.00	0.00	1.00	0.00
8.60	24.62	2.00	0.00	1.00	0.00	8.61	24.60	2.00	0.00	1.00	0.00
8.62	24.59	2.00	0.00	1.00	0.00	8.63	24.89	2.00	0.00	1.00	0.00
8.64	25.40	2.00	0.00	1.00	0.00	8.65	25.71	2.00	0.00	1.00	0.00
8.66	25.59	2.00	0.00	1.00	0.00	8.67	25.57	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	25.66	2.00	0.00	1.00	0.00	8.69	25.96	2.00	0.00	1.00	0.00
8.70	25.95	2.00	0.00	1.00	0.00	8.71	26.15	2.00	0.00	1.00	0.00
8.72	25.92	2.00	0.00	1.00	0.00	8.73	25.60	2.00	0.00	1.00	0.00
8.74	25.90	2.00	0.00	1.00	0.00	8.75	26.09	2.00	0.00	1.00	0.00
8.76	26.18	2.00	0.00	1.00	0.00	8.77	26.38	2.00	0.00	1.00	0.00
8.78	26.78	2.00	0.00	1.00	0.00	8.79	26.66	2.00	0.00	1.00	0.00
8.80	26.75	2.00	0.00	1.00	0.00	8.81	26.42	2.00	0.00	1.00	0.00
8.82	26.10	2.00	0.00	1.00	0.00	8.83	25.88	2.00	0.00	1.00	0.00
8.84	25.66	2.00	0.00	1.00	0.00	8.85	24.81	2.00	0.00	1.00	0.00
8.86	24.59	2.00	0.00	1.00	0.00	8.87	24.16	2.00	0.00	1.00	0.00
8.88	23.84	2.00	0.00	1.00	0.00	8.89	23.41	2.00	0.00	1.00	0.00
8.90	23.40	2.00	0.00	1.00	0.00	8.91	23.39	2.00	0.00	1.00	0.00
8.92	23.38	2.00	0.00	1.00	0.00	8.93	23.26	2.00	0.00	1.00	0.00
8.94	22.94	2.00	0.00	1.00	0.00	8.95	22.41	2.00	0.00	1.00	0.00
8.96	22.19	2.00	0.00	1.00	0.00	8.97	21.97	2.00	0.00	1.00	0.00
8.98	21.65	2.00	0.00	1.00	0.00	8.99	21.33	2.00	0.00	1.00	0.00
9.00	21.01	2.00	0.00	1.00	0.00	9.01	20.48	2.00	0.00	1.00	0.00
9.02	20.37	2.00	0.00	1.00	0.00	9.03	20.25	2.00	0.00	1.00	0.00
9.04	19.83	2.00	0.00	1.00	0.00	9.05	19.61	2.00	0.00	1.00	0.00
9.06	19.29	2.00	0.00	1.00	0.00	9.07	19.39	2.00	0.00	1.00	0.00
9.08	19.69	2.00	0.00	1.00	0.00	9.09	19.26	2.00	0.00	1.00	0.00
9.10	19.05	2.00	0.00	1.00	0.00	9.11	18.63	2.00	0.00	1.00	0.00
9.12	18.51	2.00	0.00	1.00	0.00	9.13	18.30	2.00	0.00	1.00	0.00
9.14	18.29	2.00	0.00	1.00	0.00	9.15	18.18	2.00	0.00	1.00	0.00
9.16	18.27	2.00	0.00	1.00	0.00	9.17	18.37	2.00	0.00	1.00	0.00
9.18	18.36	2.00	0.00	1.00	0.00	9.19	18.45	2.00	0.00	1.00	0.00
9.20	18.54	2.00	0.00	1.00	0.00	9.21	18.64	2.00	0.00	1.00	0.00
9.22	18.63	2.00	0.00	1.00	0.00	9.23	18.52	2.00	0.00	1.00	0.00
9.24	18.51	2.00	0.00	1.00	0.00	9.25	18.60	2.00	0.00	1.00	0.00
9.26	18.59	2.00	0.00	1.00	0.00	9.27	18.48	2.00	0.00	1.00	0.00
9.28	18.37	2.00	0.00	1.00	0.00	9.29	18.26	2.00	0.00	1.00	0.00
9.30	18.14	2.00	0.00	1.00	0.00	9.31	18.14	2.00	0.00	1.00	0.00
9.32	18.33	2.00	0.00	1.00	0.00	9.33	18.42	2.00	0.00	1.00	0.00
9.34	18.62	2.00	0.00	1.00	0.00	9.35	18.71	2.00	0.00	1.00	0.00
9.36	18.90	2.00	0.00	1.00	0.00	9.37	18.59	2.00	0.00	1.00	0.00
9.38	18.89	2.00	0.00	1.00	0.00	9.39	19.08	2.00	0.00	1.00	0.00
9.40	19.17	2.00	0.00	1.00	0.00	9.41	19.16	2.00	0.00	1.00	0.00
9.42	19.15	2.00	0.00	1.00	0.00	9.43	19.04	2.00	0.00	1.00	0.00
9.44	19.24	2.00	0.00	1.00	0.00	9.45	19.23	2.00	0.00	1.00	0.00
9.46	19.22	2.00	0.00	1.00	0.00	9.47	19.21	2.00	0.00	1.00	0.00
9.48	19.20	2.00	0.00	1.00	0.00	9.49	19.39	2.00	0.00	1.00	0.00
9.50	19.28	2.00	0.00	1.00	0.00	9.51	19.17	2.00	0.00	1.00	0.00
9.52	19.06	2.00	0.00	1.00	0.00	9.53	18.95	2.00	0.00	1.00	0.00
9.54	18.84	2.00	0.00	1.00	0.00	9.55	18.73	2.00	0.00	1.00	0.00
9.56	18.52	2.00	0.00	1.00	0.00	9.57	18.41	2.00	0.00	1.00	0.00
9.58	18.20	2.00	0.00	1.00	0.00	9.59	18.19	2.00	0.00	1.00	0.00
9.60	18.18	2.00	0.00	1.00	0.00	9.61	18.27	2.00	0.00	1.00	0.00
9.62	18.36	2.00	0.00	1.00	0.00	9.63	18.45	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	18.34	2.00	0.00	1.00	0.00	9.65	18.13	2.00	0.00	1.00	0.00
9.66	17.82	2.00	0.00	1.00	0.00	9.67	17.72	2.00	0.00	1.00	0.00
9.68	17.61	2.00	0.00	1.00	0.00	9.69	17.40	2.00	0.00	1.00	0.00
9.70	17.39	2.00	0.00	1.00	0.00	9.71	17.28	2.00	0.00	1.00	0.00
9.72	17.27	2.00	0.00	1.00	0.00	9.73	17.46	2.00	0.00	1.00	0.00
9.74	17.66	2.00	0.00	1.00	0.00	9.75	17.75	2.00	0.00	1.00	0.00
9.76	17.74	2.00	0.00	1.00	0.00	9.77	17.73	2.00	0.00	1.00	0.00
9.78	17.62	2.00	0.00	1.00	0.00	9.79	17.61	2.00	0.00	1.00	0.00
9.80	17.51	2.00	0.00	1.00	0.00	9.81	17.90	2.00	0.00	1.00	0.00
9.82	18.39	2.00	0.00	1.00	0.00	9.83	18.28	2.00	0.00	1.00	0.00
9.84	18.87	2.00	0.00	1.00	0.00	9.85	18.86	2.00	0.00	1.00	0.00
9.86	18.95	2.00	0.00	1.00	0.00	9.87	18.54	2.00	0.00	1.00	0.00
9.88	18.23	2.00	0.00	1.00	0.00	9.89	18.13	2.00	0.00	1.00	0.00
9.90	18.12	2.00	0.00	1.00	0.00	9.91	18.11	2.00	0.00	1.00	0.00
9.92	17.90	2.00	0.00	1.00	0.00	9.93	17.99	2.00	0.00	1.00	0.00
9.94	18.08	2.00	0.00	1.00	0.00	9.95	18.47	2.00	0.00	1.00	0.00
9.96	18.96	2.00	0.00	1.00	0.00	9.97	18.95	2.00	0.00	1.00	0.00
9.98	19.14	2.00	0.00	1.00	0.00	9.99	19.33	2.00	0.00	1.00	0.00
10.00	19.81	2.00	0.00	1.00	0.00	10.01	20.40	2.00	0.00	1.00	0.00
10.02	20.49	2.00	0.00	1.00	0.00	10.03	20.77	2.00	0.00	1.00	0.00
10.04	21.06	2.00	0.00	1.00	0.00	10.05	21.84	2.00	0.00	1.00	0.00
10.06	23.22	2.00	0.00	1.00	0.00	10.07	23.80	2.00	0.00	1.00	0.00
10.08	23.88	2.00	0.00	1.00	0.00	10.09	24.07	2.00	0.00	1.00	0.00
10.10	24.45	2.00	0.00	1.00	0.00	10.11	25.13	2.00	0.00	1.00	0.00
10.12	25.81	2.00	0.00	1.00	0.00	10.13	26.19	2.00	0.00	1.00	0.00
10.14	25.79	2.00	0.00	1.00	0.00	10.15	25.28	2.00	0.00	1.00	0.00
10.16	24.88	2.00	0.00	1.00	0.00	10.17	24.77	2.00	0.00	1.00	0.00
10.18	24.56	2.00	0.00	1.00	0.00	10.19	24.65	2.00	0.00	1.00	0.00
10.20	25.13	2.00	0.00	1.00	0.00	10.21	24.82	2.00	0.00	1.00	0.00
10.22	24.42	2.00	0.00	1.00	0.00	10.23	24.11	2.00	0.00	1.00	0.00
10.24	23.81	2.00	0.00	1.00	0.00	10.25	23.80	2.00	0.00	1.00	0.00
10.26	23.39	2.00	0.00	1.00	0.00	10.27	22.11	2.00	0.00	1.00	0.00
10.28	19.94	2.00	0.00	1.00	0.00	10.29	20.42	2.00	0.00	1.00	0.00
10.30	19.24	2.00	0.00	1.00	0.00	10.31	18.74	2.00	0.00	1.00	0.00
10.32	17.95	2.00	0.00	1.00	0.00	10.33	16.97	2.00	0.00	1.00	0.00
10.34	16.28	2.00	0.00	1.00	0.00	10.35	15.49	2.00	0.00	1.00	0.00
10.36	15.29	2.00	0.00	1.00	0.00	10.37	14.99	2.00	0.00	1.00	0.00
10.38	14.69	2.00	0.00	1.00	0.00	10.39	14.87	2.00	0.00	1.00	0.00
10.40	15.74	2.00	0.00	1.00	0.00	10.41	14.37	2.00	0.00	1.00	0.00
10.42	14.17	2.00	0.00	1.00	0.00	10.43	14.07	2.00	0.00	1.00	0.00
10.44	14.26	2.00	0.00	1.00	0.00	10.45	14.25	2.00	0.00	1.00	0.00
10.46	14.24	2.00	0.00	1.00	0.00	10.47	14.24	2.00	0.00	1.00	0.00
10.48	14.33	2.00	0.00	1.00	0.00	10.49	14.13	2.00	0.00	1.00	0.00
10.50	14.12	2.00	0.00	1.00	0.00	10.51	14.02	2.00	0.00	1.00	0.00
10.52	14.11	2.00	0.00	1.00	0.00	10.53	14.11	2.00	0.00	1.00	0.00
10.54	14.10	2.00	0.00	1.00	0.00	10.55	14.38	2.00	0.00	1.00	0.00
10.56	14.86	2.00	0.00	1.00	0.00	10.57	15.43	2.00	0.00	1.00	0.00
10.58	16.68	2.00	0.00	1.00	0.00	10.59	17.64	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	18.22	2.00	0.00	1.00	0.00	10.61	17.44	2.00	0.00	1.00	0.00
10.62	17.53	2.00	0.00	1.00	0.00	10.63	17.81	2.00	0.00	1.00	0.00
10.64	18.38	2.00	0.00	1.00	0.00	10.65	18.95	2.00	0.00	1.00	0.00
10.66	19.23	2.00	0.00	1.00	0.00	10.67	19.42	2.00	0.00	1.00	0.00
10.68	19.51	2.00	0.00	1.00	0.00	10.69	19.88	2.00	0.00	1.00	0.00
10.70	20.07	2.00	0.00	1.00	0.00	10.71	22.08	2.00	0.00	1.00	0.00
10.72	21.30	2.00	0.00	1.00	0.00	10.73	20.72	2.00	0.00	1.00	0.00
10.74	21.00	2.00	0.00	1.00	0.00	10.75	20.89	2.00	0.00	1.00	0.00
10.76	20.31	2.00	0.00	1.00	0.00	10.77	19.92	2.00	0.00	1.00	0.00
10.78	23.18	2.00	0.00	1.00	0.00	10.79	21.63	2.00	0.00	1.00	0.00
10.80	20.47	2.00	0.00	1.00	0.00	10.81	20.17	2.00	0.00	1.00	0.00
10.82	19.20	2.00	0.00	1.00	0.00	10.83	19.20	2.00	0.00	1.00	0.00
10.84	17.85	2.00	0.00	1.00	0.00	10.85	17.74	2.00	0.00	1.00	0.00
10.86	17.74	2.00	0.00	1.00	0.00	10.87	17.73	2.00	0.00	1.00	0.00
10.88	17.72	2.00	0.00	1.00	0.00	10.89	17.81	2.00	0.00	1.00	0.00
10.90	17.80	2.00	0.00	1.00	0.00	10.91	17.79	2.00	0.00	1.00	0.00
10.92	17.98	2.00	0.00	1.00	0.00	10.93	18.54	2.00	0.00	1.00	0.00
10.94	18.91	2.00	0.00	1.00	0.00	10.95	19.67	2.00	0.00	1.00	0.00
10.96	19.76	2.00	0.00	1.00	0.00	10.97	19.56	2.00	0.00	1.00	0.00
10.98	20.50	2.00	0.00	1.00	0.00	10.99	22.02	2.00	0.00	1.00	0.00
11.00	20.01	2.00	0.00	1.00	0.00	11.01	19.52	2.00	0.00	1.00	0.00
11.02	19.23	2.00	0.00	1.00	0.00	11.03	18.94	2.00	0.00	1.00	0.00
11.04	18.45	2.00	0.00	1.00	0.00	11.05	17.02	2.00	0.00	1.00	0.00
11.06	16.92	2.00	0.00	1.00	0.00	11.07	16.24	2.00	0.00	1.00	0.00
11.08	15.29	2.00	0.00	1.00	0.00	11.09	15.09	2.00	0.00	1.00	0.00
11.10	14.23	2.00	0.00	1.00	0.00	11.11	13.85	2.00	0.00	1.00	0.00
11.12	13.65	2.00	0.00	1.00	0.00	11.13	13.46	2.00	0.00	1.00	0.00
11.14	13.36	2.00	0.00	1.00	0.00	11.15	13.54	2.00	0.00	1.00	0.00
11.16	13.82	2.00	0.00	1.00	0.00	11.17	14.10	2.00	0.00	1.00	0.00
11.18	14.56	2.00	0.00	1.00	0.00	11.19	14.46	2.00	0.00	1.00	0.00
11.20	14.36	2.00	0.00	1.00	0.00	11.21	14.64	2.00	0.00	1.00	0.00
11.22	14.54	2.00	0.00	1.00	0.00	11.23	14.44	2.00	0.00	1.00	0.00
11.24	14.43	2.00	0.00	1.00	0.00	11.25	14.33	2.00	0.00	1.00	0.00
11.26	14.42	2.00	0.00	1.00	0.00	11.27	14.60	2.00	0.00	1.00	0.00
11.28	14.69	2.00	0.00	1.00	0.00	11.29	15.06	2.00	0.00	1.00	0.00
11.30	15.43	2.00	0.00	1.00	0.00	11.31	16.36	2.00	0.00	1.00	0.00
11.32	16.73	2.00	0.00	1.00	0.00	11.33	17.00	2.00	0.00	1.00	0.00
11.34	17.28	2.00	0.00	1.00	0.00	11.35	17.65	2.00	0.00	1.00	0.00
11.36	18.77	2.00	0.00	1.00	0.00	11.37	75.70	0.28	4.23	1.00	0.04
11.38	76.41	0.28	4.19	1.00	0.04	11.39	78.23	0.28	4.10	1.00	0.04
11.40	78.28	0.28	4.09	1.00	0.04	11.41	80.75	0.29	3.97	1.00	0.04
11.42	82.15	0.29	3.91	1.00	0.04	11.43	82.89	0.30	3.87	1.00	0.04
11.44	86.73	0.31	3.71	1.00	0.04	11.45	84.40	0.30	3.81	1.00	0.04
11.46	24.33	2.00	0.00	1.00	0.00	11.47	23.76	2.00	0.00	1.00	0.00
11.48	24.50	2.00	0.00	1.00	0.00	11.49	25.06	2.00	0.00	1.00	0.00
11.50	24.86	2.00	0.00	1.00	0.00	11.51	24.85	2.00	0.00	1.00	0.00
11.52	25.97	2.00	0.00	1.00	0.00	11.53	22.86	2.00	0.00	1.00	0.00
11.54	22.67	2.00	0.00	1.00	0.00	11.55	21.82	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	21.53	2.00	0.00	1.00	0.00	11.57	21.70	2.00	0.00	1.00	0.00
11.58	21.69	2.00	0.00	1.00	0.00	11.59	21.78	2.00	0.00	1.00	0.00
11.60	22.23	2.00	0.00	1.00	0.00	11.61	22.78	2.00	0.00	1.00	0.00
11.62	23.15	2.00	0.00	1.00	0.00	11.63	22.95	2.00	0.00	1.00	0.00
11.64	23.87	2.00	0.00	1.00	0.00	11.65	24.42	2.00	0.00	1.00	0.00
11.66	22.64	2.00	0.00	1.00	0.00	11.67	22.26	2.00	0.00	1.00	0.00
11.68	22.34	2.00	0.00	1.00	0.00	11.69	22.33	2.00	0.00	1.00	0.00
11.70	22.51	2.00	0.00	1.00	0.00	11.71	23.24	2.00	0.00	1.00	0.00
11.72	22.77	2.00	0.00	1.00	0.00	11.73	22.76	2.00	0.00	1.00	0.00
11.74	22.75	2.00	0.00	1.00	0.00	11.75	22.37	2.00	0.00	1.00	0.00
11.76	22.36	2.00	0.00	1.00	0.00	11.77	22.26	2.00	0.00	1.00	0.00
11.78	22.34	2.00	0.00	1.00	0.00	11.79	22.42	2.00	0.00	1.00	0.00
11.80	22.41	2.00	0.00	1.00	0.00	11.81	22.40	2.00	0.00	1.00	0.00
11.82	22.21	2.00	0.00	1.00	0.00	11.83	22.29	2.00	0.00	1.00	0.00
11.84	22.28	2.00	0.00	1.00	0.00	11.85	22.36	2.00	0.00	1.00	0.00
11.86	22.35	2.00	0.00	1.00	0.00	11.87	22.62	2.00	0.00	1.00	0.00
11.88	21.97	2.00	0.00	1.00	0.00	11.89	21.49	2.00	0.00	1.00	0.00
11.90	21.49	2.00	0.00	1.00	0.00	11.91	21.48	2.00	0.00	1.00	0.00
11.92	21.56	2.00	0.00	1.00	0.00	11.93	21.83	2.00	0.00	1.00	0.00
11.94	22.00	2.00	0.00	1.00	0.00	11.95	21.99	2.00	0.00	1.00	0.00
11.96	22.07	2.00	0.00	1.00	0.00	11.97	22.34	2.00	0.00	1.00	0.00
11.98	22.52	2.00	0.00	1.00	0.00	11.99	22.69	2.00	0.00	1.00	0.00
12.00	22.59	2.00	0.00	1.00	0.00	12.01	25.25	2.00	0.00	1.00	0.00
12.02	22.94	2.00	0.00	1.00	0.00	12.03	22.74	2.00	0.00	1.00	0.00
12.04	22.55	2.00	0.00	1.00	0.00	12.05	22.36	2.00	0.00	1.00	0.00
12.06	22.26	2.00	0.00	1.00	0.00	12.07	22.34	2.00	0.00	1.00	0.00
12.08	22.15	2.00	0.00	1.00	0.00	12.09	22.14	2.00	0.00	1.00	0.00
12.10	21.95	2.00	0.00	1.00	0.00	12.11	21.66	2.00	0.00	1.00	0.00
12.12	21.47	2.00	0.00	1.00	0.00	12.13	21.37	2.00	0.00	1.00	0.00
12.14	21.27	2.00	0.00	1.00	0.00	12.15	21.26	2.00	0.00	1.00	0.00
12.16	21.34	2.00	0.00	1.00	0.00	12.17	21.33	2.00	0.00	1.00	0.00
12.18	22.33	2.00	0.00	1.00	0.00	12.19	23.69	2.00	0.00	1.00	0.00
12.20	24.41	2.00	0.00	1.00	0.00	12.21	23.03	2.00	0.00	1.00	0.00
12.22	22.20	2.00	0.00	1.00	0.00	12.23	22.10	2.00	0.00	1.00	0.00
12.24	22.18	2.00	0.00	1.00	0.00	12.25	22.90	2.00	0.00	1.00	0.00
12.26	23.07	2.00	0.00	1.00	0.00	12.27	22.79	2.00	0.00	1.00	0.00
12.28	22.60	2.00	0.00	1.00	0.00	12.29	22.77	2.00	0.00	1.00	0.00
12.30	22.94	2.00	0.00	1.00	0.00	12.31	23.12	2.00	0.00	1.00	0.00
12.32	23.20	2.00	0.00	1.00	0.00	12.33	23.01	2.00	0.00	1.00	0.00
12.34	22.63	2.00	0.00	1.00	0.00	12.35	22.08	2.00	0.00	1.00	0.00
12.36	22.07	2.00	0.00	1.00	0.00	12.37	22.33	2.00	0.00	1.00	0.00
12.38	22.33	2.00	0.00	1.00	0.00	12.39	22.86	2.00	0.00	1.00	0.00
12.40	23.40	2.00	0.00	1.00	0.00	12.41	24.02	2.00	0.00	1.00	0.00
12.42	22.56	2.00	0.00	1.00	0.00	12.43	22.19	2.00	0.00	1.00	0.00
12.44	22.00	2.00	0.00	1.00	0.00	12.45	21.90	2.00	0.00	1.00	0.00
12.46	21.44	2.00	0.00	1.00	0.00	12.47	21.07	2.00	0.00	1.00	0.00
12.48	20.61	2.00	0.00	1.00	0.00	12.49	20.51	2.00	0.00	1.00	0.00
12.50	20.05	2.00	0.00	1.00	0.00	12.51	19.77	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
12.52	19.41	2.00	0.00	1.00	0.00	12.53	18.95	2.00	0.00	1.00	0.00
12.54	18.85	2.00	0.00	1.00	0.00	12.55	18.84	2.00	0.00	1.00	0.00
12.56	18.47	2.00	0.00	1.00	0.00	12.57	18.29	2.00	0.00	1.00	0.00
12.58	18.10	2.00	0.00	1.00	0.00	12.59	17.56	2.00	0.00	1.00	0.00
12.60	17.46	2.00	0.00	1.00	0.00	12.61	17.54	2.00	0.00	1.00	0.00
12.62	17.62	2.00	0.00	1.00	0.00	12.63	17.71	2.00	0.00	1.00	0.00
12.64	17.97	2.00	0.00	1.00	0.00	12.65	18.14	2.00	0.00	1.00	0.00
12.66	18.31	2.00	0.00	1.00	0.00	12.67	18.57	2.00	0.00	1.00	0.00
12.68	18.65	2.00	0.00	1.00	0.00	12.69	18.73	2.00	0.00	1.00	0.00
12.70	19.08	2.00	0.00	1.00	0.00	12.71	19.34	2.00	0.00	1.00	0.00
12.72	19.69	2.00	0.00	1.00	0.00	12.73	20.22	2.00	0.00	1.00	0.00
12.74	20.57	2.00	0.00	1.00	0.00	12.75	20.83	2.00	0.00	1.00	0.00
12.76	20.91	2.00	0.00	1.00	0.00	12.77	21.08	2.00	0.00	1.00	0.00
12.78	21.34	2.00	0.00	1.00	0.00	12.79	21.69	2.00	0.00	1.00	0.00
12.80	21.95	2.00	0.00	1.00	0.00	12.81	22.30	2.00	0.00	1.00	0.00
12.82	22.65	2.00	0.00	1.00	0.00	12.83	23.36	2.00	0.00	1.00	0.00
12.84	23.44	2.00	0.00	1.00	0.00	12.85	23.52	2.00	0.00	1.00	0.00
12.86	23.70	2.00	0.00	1.00	0.00	12.87	24.14	2.00	0.00	1.00	0.00
12.88	24.31	2.00	0.00	1.00	0.00	12.89	24.48	2.00	0.00	1.00	0.00
12.90	24.47	2.00	0.00	1.00	0.00	12.91	24.46	2.00	0.00	1.00	0.00
12.92	26.33	2.00	0.00	1.00	0.00	12.93	26.59	2.00	0.00	1.00	0.00
12.94	30.08	2.00	0.00	1.00	0.00	12.95	30.15	2.00	0.00	1.00	0.00
12.96	33.83	2.00	0.00	1.00	0.00	12.97	31.93	2.00	0.00	1.00	0.00
12.98	28.68	2.00	0.00	1.00	0.00	12.99	27.69	2.00	0.00	1.00	0.00
13.00	27.67	2.00	0.00	1.00	0.00	13.01	33.67	2.00	0.00	1.00	0.00
13.02	36.99	2.00	0.00	1.00	0.00	13.03	36.16	2.00	0.00	1.00	0.00
13.04	33.73	2.00	0.00	1.00	0.00	13.05	31.20	2.00	0.00	1.00	0.00
13.06	29.32	2.00	0.00	1.00	0.00	13.07	27.61	2.00	0.00	1.00	0.00
13.08	26.26	2.00	0.00	1.00	0.00	13.09	25.54	2.00	0.00	1.00	0.00
13.10	25.80	2.00	0.00	1.00	0.00	13.11	28.10	2.00	0.00	1.00	0.00
13.12	26.31	2.00	0.00	1.00	0.00	13.13	26.39	2.00	0.00	1.00	0.00
13.14	26.82	2.00	0.00	1.00	0.00	13.15	27.79	2.00	0.00	1.00	0.00
13.16	29.02	2.00	0.00	1.00	0.00	13.17	31.69	2.00	0.00	1.00	0.00
13.18	32.57	2.00	0.00	1.00	0.00	13.19	33.89	2.00	0.00	1.00	0.00
13.20	33.61	2.00	0.00	1.00	0.00	13.21	33.07	2.00	0.00	1.00	0.00
13.22	29.48	2.00	0.00	1.00	0.00	13.23	29.48	2.00	0.00	1.00	0.00
13.24	30.44	2.00	0.00	1.00	0.00	13.25	34.35	2.00	0.00	1.00	0.00
13.26	36.84	2.00	0.00	1.00	0.00	13.27	34.77	2.00	0.00	1.00	0.00
13.28	32.53	2.00	0.00	1.00	0.00	13.29	29.76	2.00	0.00	1.00	0.00
13.30	27.45	2.00	0.00	1.00	0.00	13.31	27.70	2.00	0.00	1.00	0.00
13.32	30.18	2.00	0.00	1.00	0.00	13.33	30.79	2.00	0.00	1.00	0.00
13.34	28.56	2.00	0.00	1.00	0.00	13.35	27.48	2.00	0.00	1.00	0.00
13.36	27.30	2.00	0.00	1.00	0.00	13.37	27.11	2.00	0.00	1.00	0.00
13.38	27.63	2.00	0.00	1.00	0.00	13.39	30.01	2.00	0.00	1.00	0.00
13.40	28.75	2.00	0.00	1.00	0.00	13.41	27.86	2.00	0.00	1.00	0.00
13.42	26.88	2.00	0.00	1.00	0.00	13.43	26.60	2.00	0.00	1.00	0.00
13.44	26.94	2.00	0.00	1.00	0.00	13.45	27.81	2.00	0.00	1.00	0.00
13.46	28.59	2.00	0.00	1.00	0.00	13.47	31.14	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
13.48	33.61	2.00	0.00	1.00	0.00	13.49	34.22	2.00	0.00	1.00	0.00
13.50	28.90	2.00	0.00	1.00	0.00	13.51	28.63	2.00	0.00	1.00	0.00
13.52	27.57	2.00	0.00	1.00	0.00	13.53	25.10	2.00	0.00	1.00	0.00
13.54	24.83	2.00	0.00	1.00	0.00	13.55	24.38	2.00	0.00	1.00	0.00
13.56	24.11	2.00	0.00	1.00	0.00	13.57	23.84	2.00	0.00	1.00	0.00
13.58	23.65	2.00	0.00	1.00	0.00	13.59	23.38	2.00	0.00	1.00	0.00
13.60	23.20	2.00	0.00	1.00	0.00	13.61	22.84	2.00	0.00	1.00	0.00
13.62	22.65	2.00	0.00	1.00	0.00	13.63	22.30	2.00	0.00	1.00	0.00
13.64	22.11	2.00	0.00	1.00	0.00	13.65	23.41	2.00	0.00	1.00	0.00
13.66	22.10	2.00	0.00	1.00	0.00	13.67	22.09	2.00	0.00	1.00	0.00
13.68	22.08	2.00	0.00	1.00	0.00	13.69	22.07	2.00	0.00	1.00	0.00
13.70	22.06	2.00	0.00	1.00	0.00	13.71	22.31	2.00	0.00	1.00	0.00
13.72	22.22	2.00	0.00	1.00	0.00	13.73	21.95	2.00	0.00	1.00	0.00
13.74	21.60	2.00	0.00	1.00	0.00	13.75	21.24	2.00	0.00	1.00	0.00
13.76	21.23	2.00	0.00	1.00	0.00	13.77	21.31	2.00	0.00	1.00	0.00
13.78	21.30	2.00	0.00	1.00	0.00	13.79	20.78	2.00	0.00	1.00	0.00
13.80	20.51	2.00	0.00	1.00	0.00	13.81	20.50	2.00	0.00	1.00	0.00
13.82	20.58	2.00	0.00	1.00	0.00	13.83	20.66	2.00	0.00	1.00	0.00
13.84	20.74	2.00	0.00	1.00	0.00	13.85	20.73	2.00	0.00	1.00	0.00
13.86	20.46	2.00	0.00	1.00	0.00	13.87	20.02	2.00	0.00	1.00	0.00
13.88	19.93	2.00	0.00	1.00	0.00	13.89	19.83	2.00	0.00	1.00	0.00
13.90	19.83	2.00	0.00	1.00	0.00	13.91	19.82	2.00	0.00	1.00	0.00
13.92	19.55	2.00	0.00	1.00	0.00	13.93	19.63	2.00	0.00	1.00	0.00
13.94	19.37	2.00	0.00	1.00	0.00	13.95	19.02	2.00	0.00	1.00	0.00
13.96	18.92	2.00	0.00	1.00	0.00	13.97	18.75	2.00	0.00	1.00	0.00
13.98	18.65	2.00	0.00	1.00	0.00	13.99	18.73	2.00	0.00	1.00	0.00
14.00	19.50	2.00	0.00	1.00	0.00	14.01	20.00	2.00	0.00	1.00	0.00
14.02	20.34	2.00	0.00	1.00	0.00	14.03	21.10	2.00	0.00	1.00	0.00
14.04	21.35	2.00	0.00	1.00	0.00	14.05	21.77	2.00	0.00	1.00	0.00
14.06	22.02	2.00	0.00	1.00	0.00	14.07	22.18	2.00	0.00	1.00	0.00
14.08	22.77	2.00	0.00	1.00	0.00	14.09	22.93	2.00	0.00	1.00	0.00
14.10	23.61	2.00	0.00	1.00	0.00	14.11	24.55	2.00	0.00	1.00	0.00
14.12	22.56	2.00	0.00	1.00	0.00	14.13	22.13	2.00	0.00	1.00	0.00
14.14	21.78	2.00	0.00	1.00	0.00	14.15	21.77	2.00	0.00	1.00	0.00
14.16	21.17	2.00	0.00	1.00	0.00	14.17	20.99	2.00	0.00	1.00	0.00
14.18	20.56	2.00	0.00	1.00	0.00	14.19	20.47	2.00	0.00	1.00	0.00
14.20	20.46	2.00	0.00	1.00	0.00	14.21	20.03	2.00	0.00	1.00	0.00
14.22	19.93	2.00	0.00	1.00	0.00	14.23	19.67	2.00	0.00	1.00	0.00
14.24	19.32	2.00	0.00	1.00	0.00	14.25	18.98	2.00	0.00	1.00	0.00
14.26	18.72	2.00	0.00	1.00	0.00	14.27	18.45	2.00	0.00	1.00	0.00
14.28	18.28	2.00	0.00	1.00	0.00	14.29	18.02	2.00	0.00	1.00	0.00
14.30	17.50	2.00	0.00	1.00	0.00	14.31	17.24	2.00	0.00	1.00	0.00
14.32	16.73	2.00	0.00	1.00	0.00	14.33	16.47	2.00	0.00	1.00	0.00
14.34	16.21	2.00	0.00	1.00	0.00	14.35	15.62	2.00	0.00	1.00	0.00
14.36	15.36	2.00	0.00	1.00	0.00	14.37	15.35	2.00	0.00	1.00	0.00
14.38	15.10	2.00	0.00	1.00	0.00	14.39	15.01	2.00	0.00	1.00	0.00
14.40	14.83	2.00	0.00	1.00	0.00	14.41	14.74	2.00	0.00	1.00	0.00
14.42	14.65	2.00	0.00	1.00	0.00	14.43	14.40	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
14.44	14.14	2.00	0.00	1.00	0.00	14.45	13.97	2.00	0.00	1.00	0.00
14.46	14.13	2.00	0.00	1.00	0.00	14.47	14.29	2.00	0.00	1.00	0.00
14.48	14.12	2.00	0.00	1.00	0.00	14.49	13.78	2.00	0.00	1.00	0.00
14.50	13.45	2.00	0.00	1.00	0.00	14.51	12.77	2.00	0.00	1.00	0.00
14.52	12.52	2.00	0.00	1.00	0.00	14.53	12.35	2.00	0.00	1.00	0.00
14.54	12.10	2.00	0.00	1.00	0.00	14.55	12.01	2.00	0.00	1.00	0.00
14.56	11.67	2.00	0.00	1.00	0.00	14.57	11.67	2.00	0.00	1.00	0.00
14.58	11.75	2.00	0.00	1.00	0.00	14.59	11.66	2.00	0.00	1.00	0.00
14.60	11.66	2.00	0.00	1.00	0.00	14.61	11.74	2.00	0.00	1.00	0.00
14.62	11.82	2.00	0.00	1.00	0.00	14.63	11.81	2.00	0.00	1.00	0.00
14.64	11.89	2.00	0.00	1.00	0.00	14.65	11.89	2.00	0.00	1.00	0.00
14.66	12.05	2.00	0.00	1.00	0.00	14.67	12.05	2.00	0.00	1.00	0.00
14.68	12.12	2.00	0.00	1.00	0.00	14.69	12.12	2.00	0.00	1.00	0.00
14.70	12.36	2.00	0.00	1.00	0.00	14.71	12.44	2.00	0.00	1.00	0.00
14.72	12.44	2.00	0.00	1.00	0.00	14.73	12.85	2.00	0.00	1.00	0.00
14.74	13.18	2.00	0.00	1.00	0.00	14.75	13.50	2.00	0.00	1.00	0.00
14.76	13.83	2.00	0.00	1.00	0.00	14.77	14.24	2.00	0.00	1.00	0.00
14.78	14.31	2.00	0.00	1.00	0.00	14.79	14.56	2.00	0.00	1.00	0.00
14.80	14.80	2.00	0.00	1.00	0.00						

**Total estimated settlement: 12.66**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

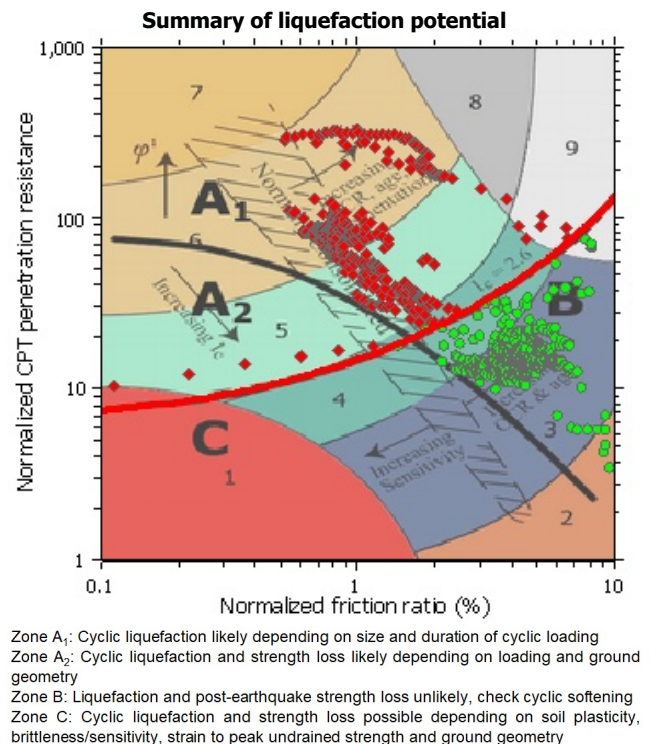
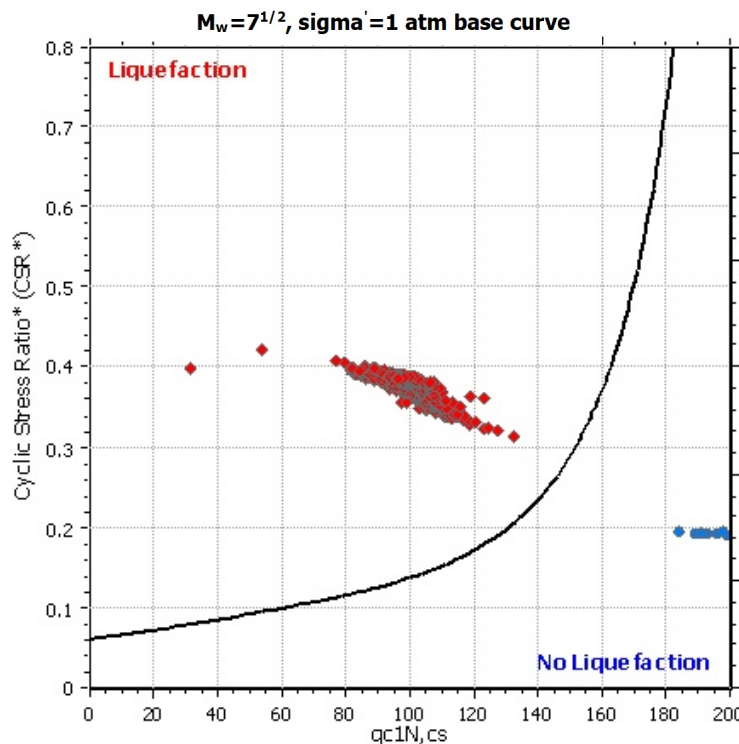
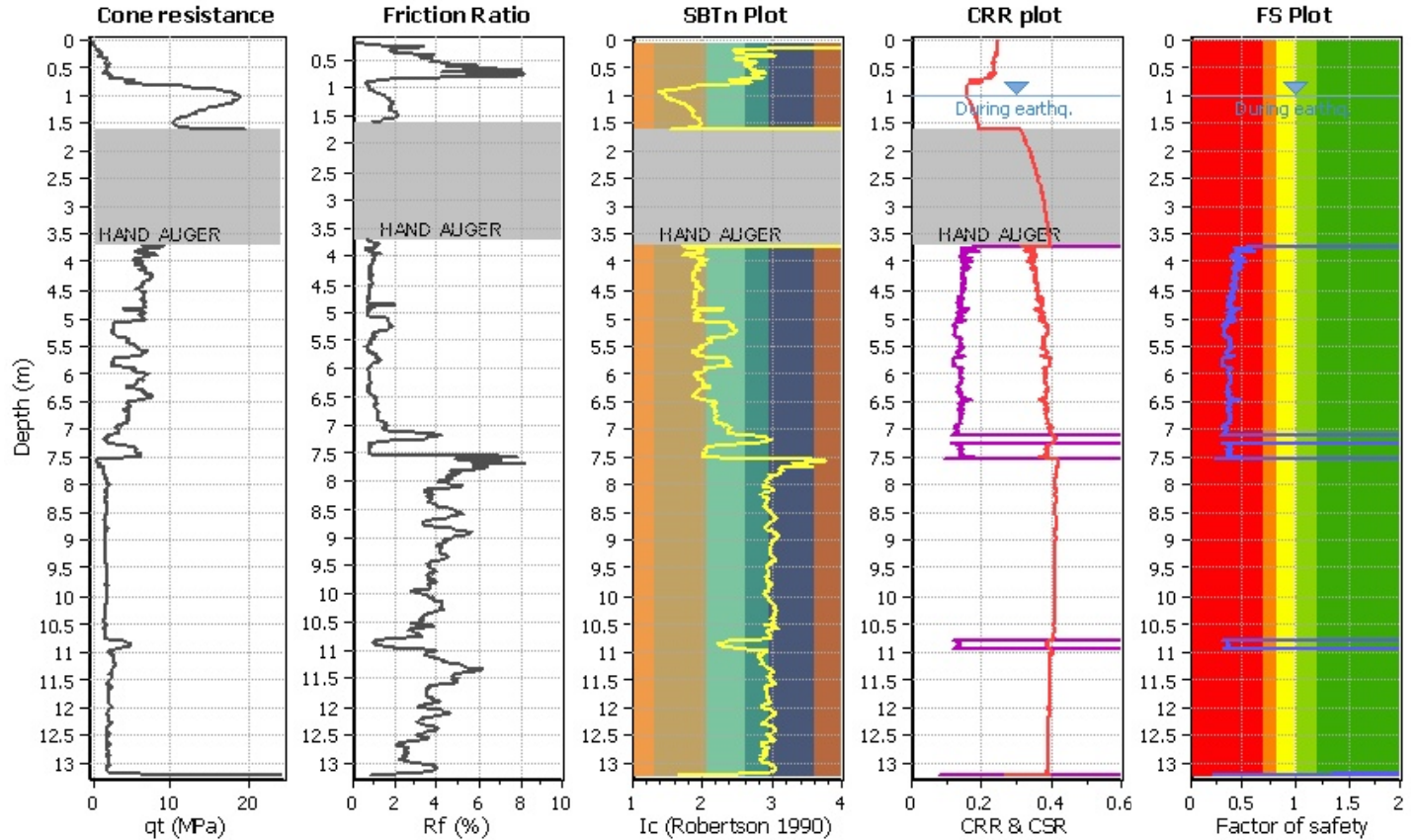
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

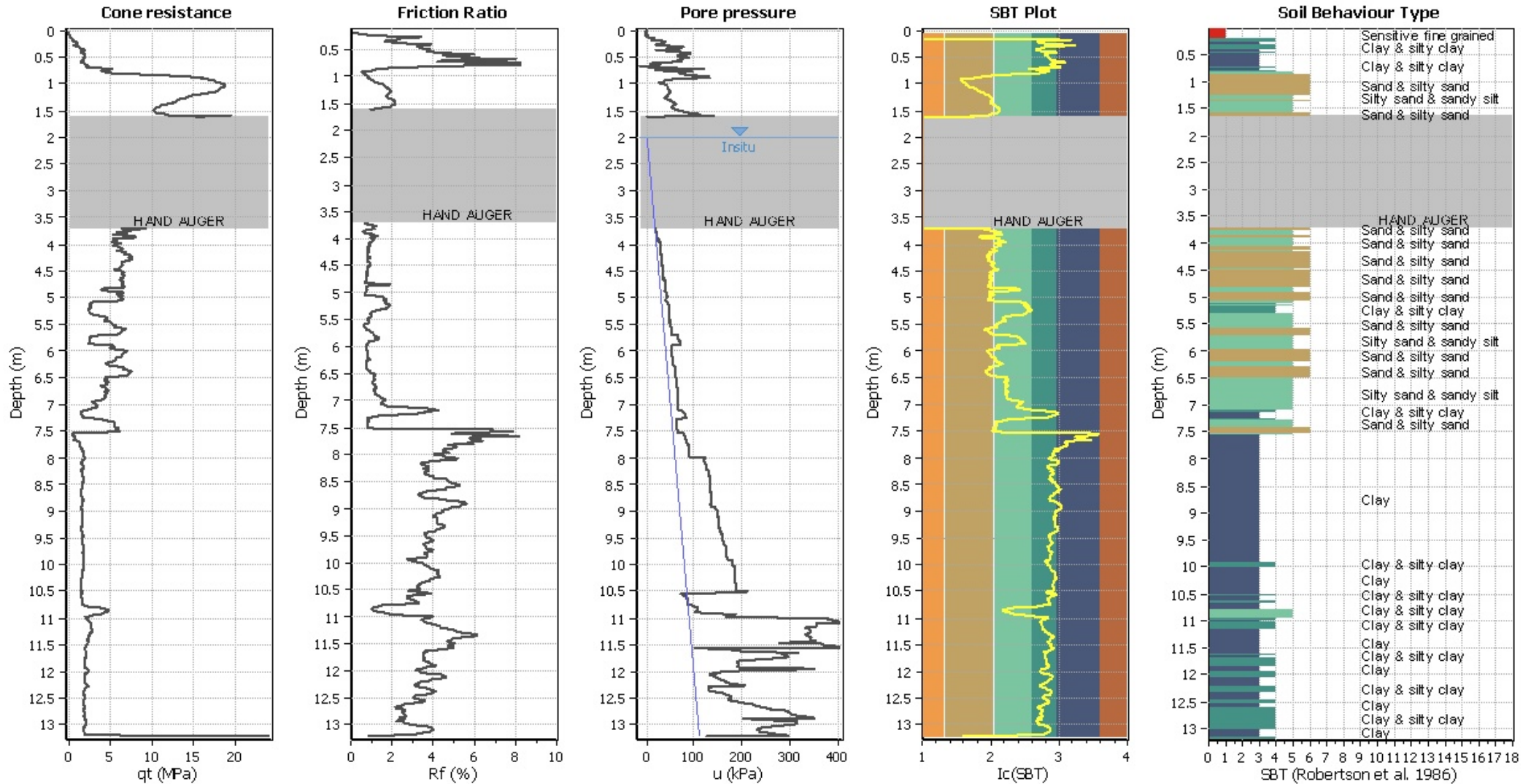
**CPT file : CPTU-01-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



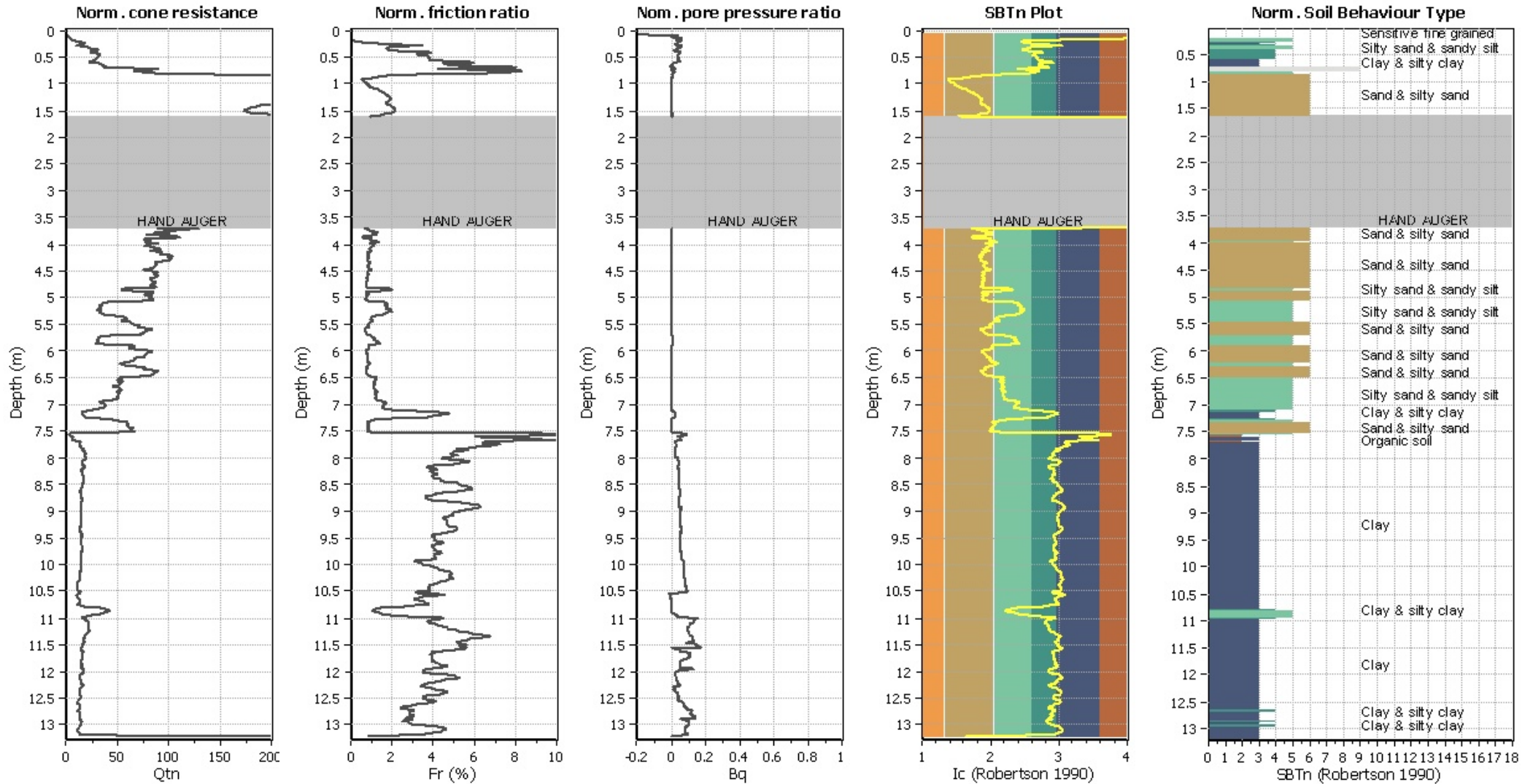
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



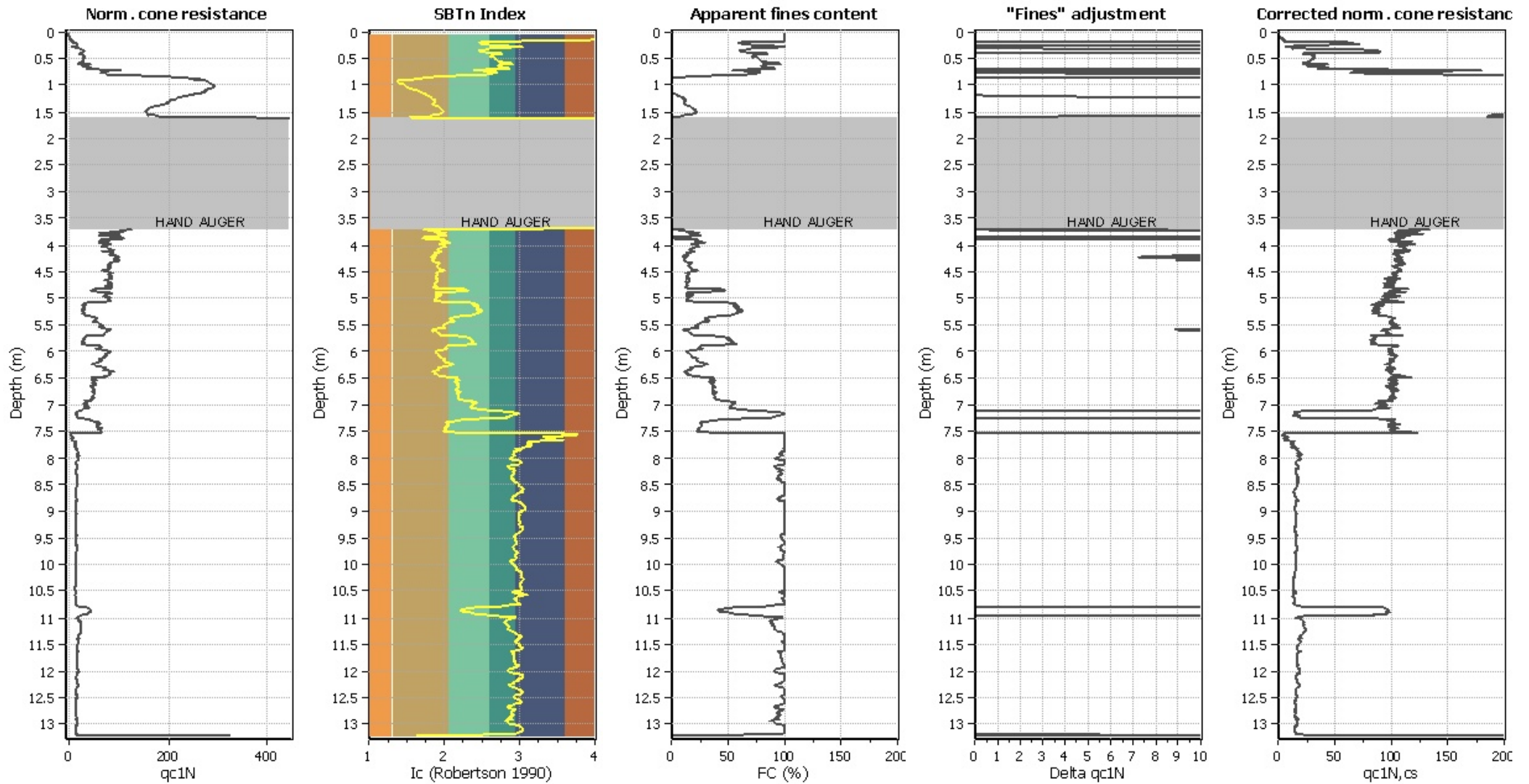
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

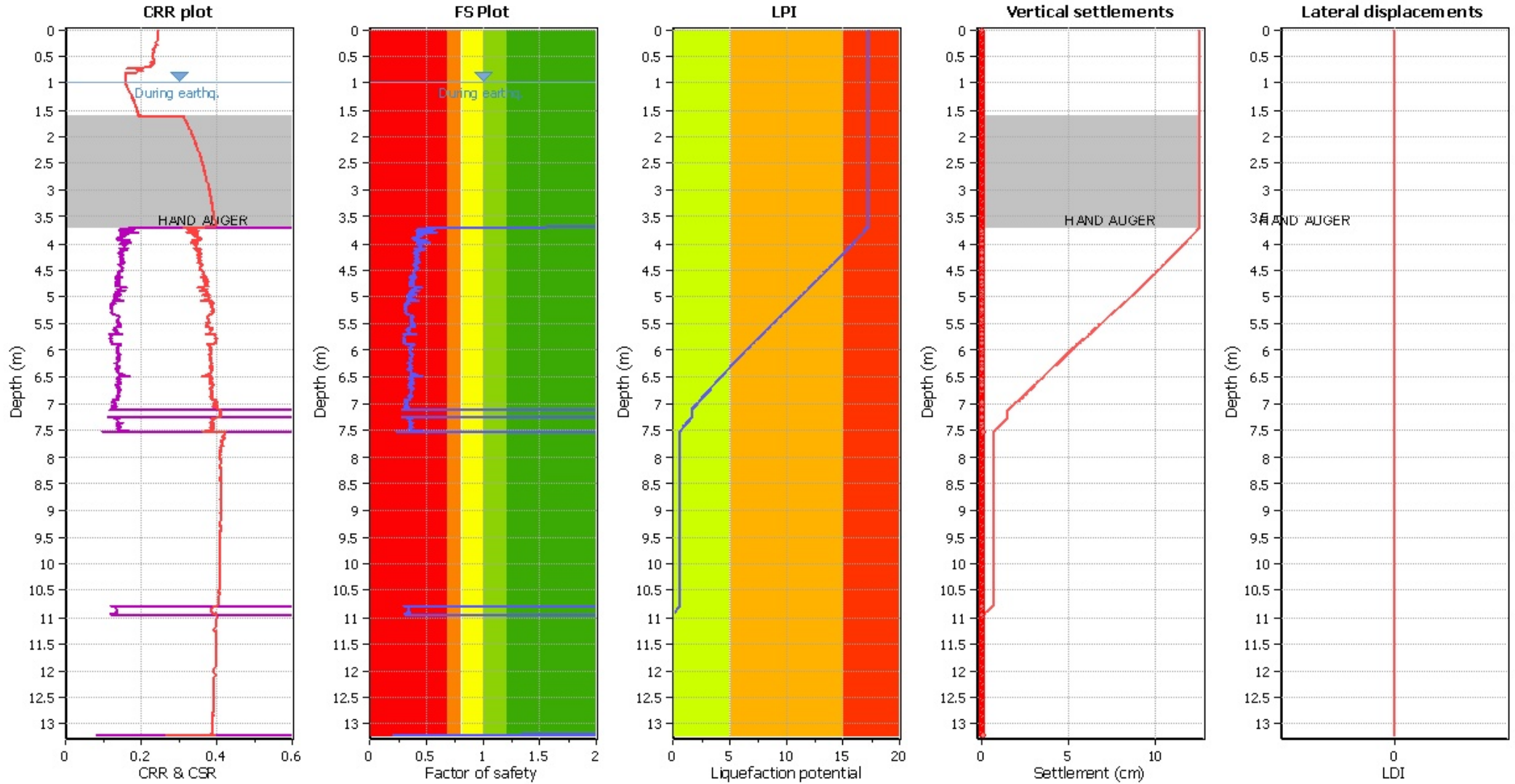
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

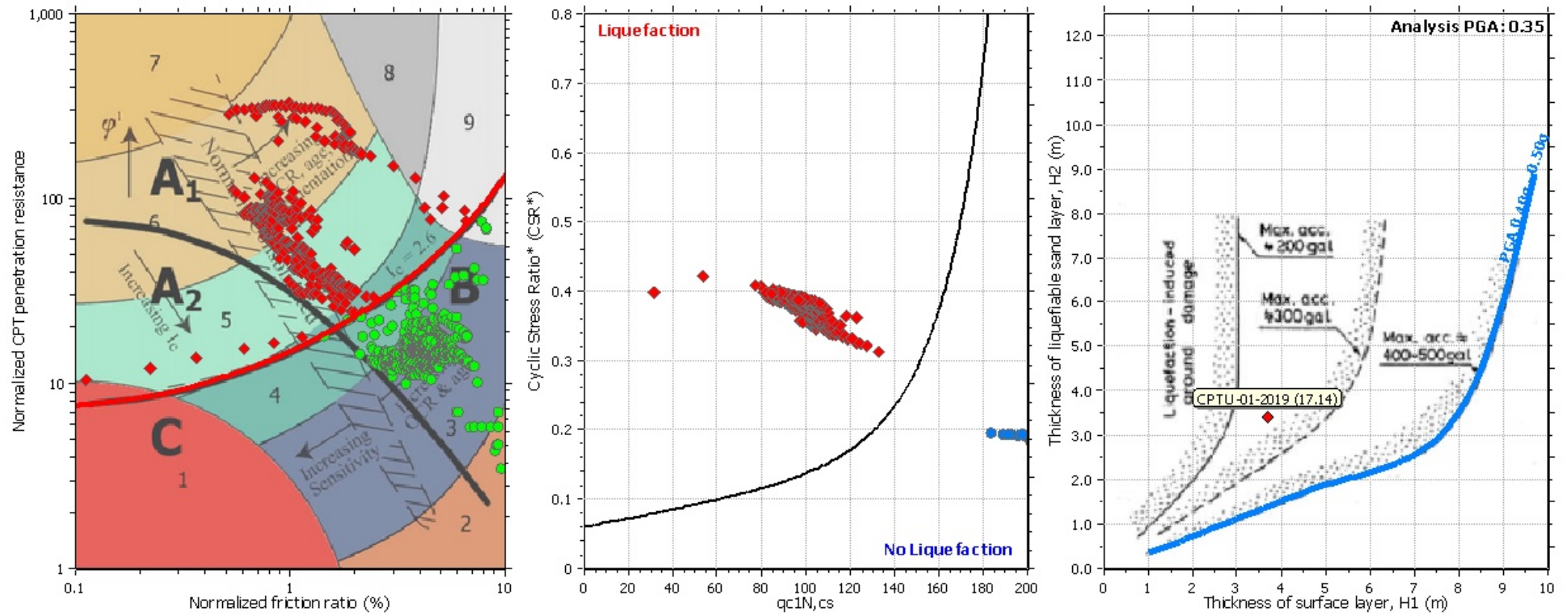
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

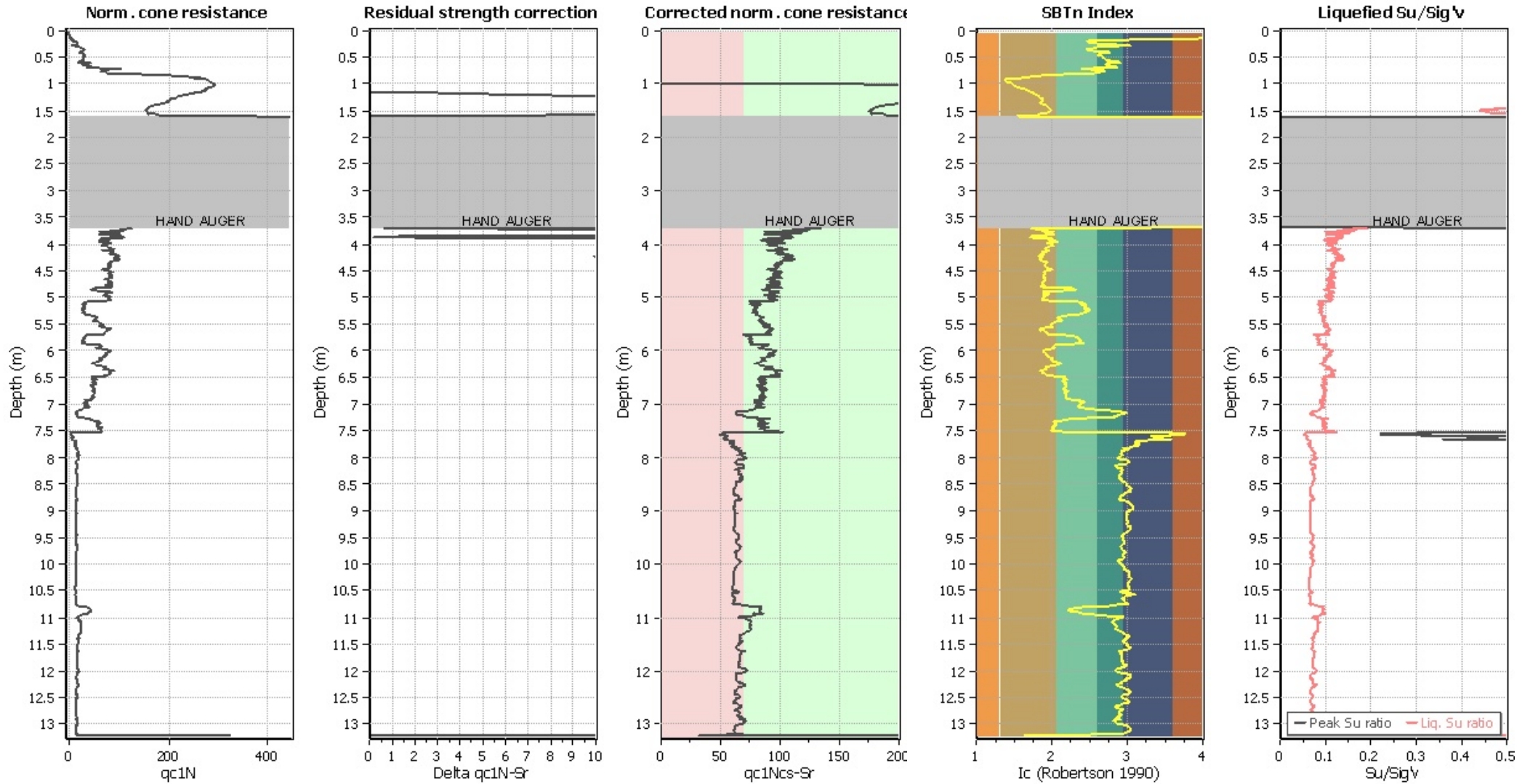
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	0.00	0.00	0.00
1.63	2.00	0.00	0.00	0.00	0.00	1.64	2.00	0.00	0.00	0.00	0.00
1.65	2.00	0.00	0.00	0.00	0.00	1.66	2.00	0.00	0.00	0.00	0.00
1.67	2.00	0.00	0.00	0.00	0.00	1.68	2.00	0.00	0.00	0.00	0.00
1.69	2.00	0.00	0.00	0.00	0.00	1.70	2.00	0.00	0.00	0.00	0.00
1.71	2.00	0.00	0.00	0.00	0.00	1.72	2.00	0.00	0.00	0.00	0.00
1.73	2.00	0.00	0.00	0.00	0.00	1.74	2.00	0.00	0.00	0.00	0.00
1.75	2.00	0.00	0.00	0.00	0.00	1.76	2.00	0.00	0.00	0.00	0.00
1.77	2.00	0.00	0.00	0.00	0.00	1.78	2.00	0.00	0.00	0.00	0.00
1.79	2.00	0.00	0.00	0.00	0.00	1.80	2.00	0.00	0.00	0.00	0.00
1.81	2.00	0.00	0.00	0.00	0.00	1.82	2.00	0.00	0.00	0.00	0.00
1.83	2.00	0.00	0.00	0.00	0.00	1.84	2.00	0.00	0.00	0.00	0.00
1.85	2.00	0.00	0.00	0.00	0.00	1.86	2.00	0.00	0.00	0.00	0.00
1.87	2.00	0.00	0.00	0.00	0.00	1.88	2.00	0.00	0.00	0.00	0.00
1.89	2.00	0.00	0.00	0.00	0.00	1.90	2.00	0.00	0.00	0.00	0.00
1.91	2.00	0.00	0.00	0.00	0.00	1.92	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	0.00	0.00	0.00	1.94	2.00	0.00	0.00	0.00	0.00
1.95	2.00	0.00	0.00	0.00	0.00	1.96	2.00	0.00	0.00	0.00	0.00
1.97	2.00	0.00	0.00	0.00	0.00	1.98	2.00	0.00	0.00	0.00	0.00
1.99	2.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00
2.01	2.00	0.00	0.00	0.00	0.00	2.02	2.00	0.00	0.00	0.00	0.00
2.03	2.00	0.00	0.00	0.00	0.00	2.04	2.00	0.00	0.00	0.00	0.00
2.05	2.00	0.00	0.00	0.00	0.00	2.06	2.00	0.00	0.00	0.00	0.00
2.07	2.00	0.00	0.00	0.00	0.00	2.08	2.00	0.00	0.00	0.00	0.00
2.09	2.00	0.00	0.00	0.00	0.00	2.10	2.00	0.00	0.00	0.00	0.00
2.11	2.00	0.00	0.00	0.00	0.00	2.12	2.00	0.00	0.00	0.00	0.00
2.13	2.00	0.00	0.00	0.00	0.00	2.14	2.00	0.00	0.00	0.00	0.00
2.15	2.00	0.00	0.00	0.00	0.00	2.16	2.00	0.00	0.00	0.00	0.00
2.17	2.00	0.00	0.00	0.00	0.00	2.18	2.00	0.00	0.00	0.00	0.00
2.19	2.00	0.00	0.00	0.00	0.00	2.20	2.00	0.00	0.00	0.00	0.00
2.21	2.00	0.00	0.00	0.00	0.00	2.22	2.00	0.00	0.00	0.00	0.00
2.23	2.00	0.00	0.00	0.00	0.00	2.24	2.00	0.00	0.00	0.00	0.00
2.25	2.00	0.00	0.00	0.00	0.00	2.26	2.00	0.00	0.00	0.00	0.00
2.27	2.00	0.00	0.00	0.00	0.00	2.28	2.00	0.00	0.00	0.00	0.00
2.29	2.00	0.00	0.00	0.00	0.00	2.30	2.00	0.00	0.00	0.00	0.00
2.31	2.00	0.00	0.00	0.00	0.00	2.32	2.00	0.00	0.00	0.00	0.00
2.33	2.00	0.00	0.00	0.00	0.00	2.34	2.00	0.00	0.00	0.00	0.00
2.35	2.00	0.00	0.00	0.00	0.00	2.36	2.00	0.00	0.00	0.00	0.00
2.37	2.00	0.00	0.00	0.00	0.00	2.38	2.00	0.00	0.00	0.00	0.00
2.39	2.00	0.00	0.00	0.00	0.00	2.40	2.00	0.00	0.00	0.00	0.00
2.41	2.00	0.00	0.00	0.00	0.00	2.42	2.00	0.00	0.00	0.00	0.00
2.43	2.00	0.00	0.00	0.00	0.00	2.44	2.00	0.00	0.00	0.00	0.00
2.45	2.00	0.00	0.00	0.00	0.00	2.46	2.00	0.00	0.00	0.00	0.00
2.47	2.00	0.00	0.00	0.00	0.00	2.48	2.00	0.00	0.00	0.00	0.00
2.49	2.00	0.00	0.00	0.00	0.00	2.50	2.00	0.00	0.00	0.00	0.00
2.51	2.00	0.00	0.00	0.00	0.00	2.52	2.00	0.00	0.00	0.00	0.00
2.53	2.00	0.00	0.00	0.00	0.00	2.54	2.00	0.00	0.00	0.00	0.00
2.55	2.00	0.00	0.00	0.00	0.00	2.56	2.00	0.00	0.00	0.00	0.00
2.57	2.00	0.00	0.00	0.00	0.00	2.58	2.00	0.00	0.00	0.00	0.00
2.59	2.00	0.00	0.00	0.00	0.00	2.60	2.00	0.00	0.00	0.00	0.00
2.61	2.00	0.00	0.00	0.00	0.00	2.62	2.00	0.00	0.00	0.00	0.00
2.63	2.00	0.00	0.00	0.00	0.00	2.64	2.00	0.00	0.00	0.00	0.00
2.65	2.00	0.00	0.00	0.00	0.00	2.66	2.00	0.00	0.00	0.00	0.00
2.67	2.00	0.00	0.00	0.00	0.00	2.68	2.00	0.00	0.00	0.00	0.00
2.69	2.00	0.00	0.00	0.00	0.00	2.70	2.00	0.00	0.00	0.00	0.00
2.71	2.00	0.00	0.00	0.00	0.00	2.72	2.00	0.00	0.00	0.00	0.00
2.73	2.00	0.00	0.00	0.00	0.00	2.74	2.00	0.00	0.00	0.00	0.00
2.75	2.00	0.00	0.00	0.00	0.00	2.76	2.00	0.00	0.00	0.00	0.00
2.77	2.00	0.00	0.00	0.00	0.00	2.78	2.00	0.00	0.00	0.00	0.00
2.79	2.00	0.00	0.00	0.00	0.00	2.80	2.00	0.00	0.00	0.00	0.00
2.81	2.00	0.00	0.00	0.00	0.00	2.82	2.00	0.00	0.00	0.00	0.00
2.83	2.00	0.00	0.00	0.00	0.00	2.84	2.00	0.00	0.00	0.00	0.00
2.85	2.00	0.00	0.00	0.00	0.00	2.86	2.00	0.00	0.00	0.00	0.00
2.87	2.00	0.00	0.00	0.00	0.00	2.88	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	0.00	0.00	0.00	2.90	2.00	0.00	0.00	0.00	0.00
2.91	2.00	0.00	0.00	0.00	0.00	2.92	2.00	0.00	0.00	0.00	0.00
2.93	2.00	0.00	0.00	0.00	0.00	2.94	2.00	0.00	0.00	0.00	0.00
2.95	2.00	0.00	0.00	0.00	0.00	2.96	2.00	0.00	0.00	0.00	0.00
2.97	2.00	0.00	0.00	0.00	0.00	2.98	2.00	0.00	0.00	0.00	0.00
2.99	2.00	0.00	0.00	0.00	0.00	3.00	2.00	0.00	0.00	0.00	0.00
3.01	2.00	0.00	0.00	0.00	0.00	3.02	2.00	0.00	0.00	0.00	0.00
3.03	2.00	0.00	0.00	0.00	0.00	3.04	2.00	0.00	0.00	0.00	0.00
3.05	2.00	0.00	0.00	0.00	0.00	3.06	2.00	0.00	0.00	0.00	0.00
3.07	2.00	0.00	0.00	0.00	0.00	3.08	2.00	0.00	0.00	0.00	0.00
3.09	2.00	0.00	0.00	0.00	0.00	3.10	2.00	0.00	0.00	0.00	0.00
3.11	2.00	0.00	0.00	0.00	0.00	3.12	2.00	0.00	0.00	0.00	0.00
3.13	2.00	0.00	0.00	0.00	0.00	3.14	2.00	0.00	0.00	0.00	0.00
3.15	2.00	0.00	0.00	0.00	0.00	3.16	2.00	0.00	0.00	0.00	0.00
3.17	2.00	0.00	0.00	0.00	0.00	3.18	2.00	0.00	0.00	0.00	0.00
3.19	2.00	0.00	0.00	0.00	0.00	3.20	2.00	0.00	0.00	0.00	0.00
3.21	2.00	0.00	0.00	0.00	0.00	3.22	2.00	0.00	0.00	0.00	0.00
3.23	2.00	0.00	0.00	0.00	0.00	3.24	2.00	0.00	0.00	0.00	0.00
3.25	2.00	0.00	0.00	0.00	0.00	3.26	2.00	0.00	0.00	0.00	0.00
3.27	2.00	0.00	0.00	0.00	0.00	3.28	2.00	0.00	0.00	0.00	0.00
3.29	2.00	0.00	0.00	0.00	0.00	3.30	2.00	0.00	0.00	0.00	0.00
3.31	2.00	0.00	0.00	0.00	0.00	3.32	2.00	0.00	0.00	0.00	0.00
3.33	2.00	0.00	0.00	0.00	0.00	3.34	2.00	0.00	0.00	0.00	0.00
3.35	2.00	0.00	0.00	0.00	0.00	3.36	2.00	0.00	0.00	0.00	0.00
3.37	2.00	0.00	0.00	0.00	0.00	3.38	2.00	0.00	0.00	0.00	0.00
3.39	2.00	0.00	0.00	0.00	0.00	3.40	2.00	0.00	0.00	0.00	0.00
3.41	2.00	0.00	0.00	0.00	0.00	3.42	2.00	0.00	0.00	0.00	0.00
3.43	2.00	0.00	0.00	0.00	0.00	3.44	2.00	0.00	0.00	0.00	0.00
3.45	2.00	0.00	0.00	0.00	0.00	3.46	2.00	0.00	0.00	0.00	0.00
3.47	2.00	0.00	0.00	0.00	0.00	3.48	2.00	0.00	0.00	0.00	0.00
3.49	2.00	0.00	0.00	0.00	0.00	3.50	2.00	0.00	0.00	0.00	0.00
3.51	2.00	0.00	0.00	0.00	0.00	3.52	2.00	0.00	0.00	0.00	0.00
3.53	2.00	0.00	0.00	0.00	0.00	3.54	2.00	0.00	0.00	0.00	0.00
3.55	2.00	0.00	0.00	0.00	0.00	3.56	2.00	0.00	0.00	0.00	0.00
3.57	2.00	0.00	0.00	0.00	0.00	3.58	2.00	0.00	0.00	0.00	0.00
3.59	2.00	0.00	0.00	0.00	0.00	3.60	2.00	0.00	0.00	0.00	0.00
3.61	2.00	0.00	0.00	0.00	0.00	3.62	2.00	0.00	0.00	0.00	0.00
3.63	2.00	0.00	0.00	0.00	0.00	3.64	2.00	0.00	0.00	0.00	0.00
3.65	2.00	0.00	0.00	0.00	0.00	3.66	2.00	0.00	0.00	0.00	0.00
3.67	2.00	0.00	0.00	0.00	0.00	3.68	2.00	0.00	0.00	0.00	0.00
3.69	2.00	0.00	0.00	0.00	0.00	3.70	0.66	0.34	8.15	0.01	0.03
3.71	0.55	0.45	8.15	0.01	0.04	3.72	0.51	0.49	8.14	0.01	0.04
3.73	0.42	0.58	8.14	0.01	0.05	3.74	0.45	0.55	8.13	0.01	0.04
3.75	0.56	0.44	8.13	0.01	0.04	3.76	0.47	0.53	8.12	0.01	0.04
3.77	0.41	0.59	8.12	0.01	0.05	3.78	0.56	0.44	8.11	0.01	0.04
3.79	0.60	0.40	8.11	0.01	0.03	3.80	0.49	0.51	8.10	0.01	0.04
3.81	0.41	0.59	8.10	0.01	0.05	3.82	0.50	0.50	8.09	0.01	0.04
3.83	0.46	0.54	8.09	0.01	0.04	3.84	0.46	0.54	8.08	0.01	0.04

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.41	0.59	8.07	0.01	0.05	3.86	0.41	0.59	8.07	0.01	0.05
3.87	0.43	0.57	8.07	0.01	0.05	3.88	0.45	0.55	8.06	0.01	0.04
3.89	0.38	0.62	8.06	0.01	0.05	3.90	0.41	0.59	8.05	0.01	0.05
3.91	0.41	0.59	8.05	0.01	0.05	3.92	0.38	0.62	8.04	0.01	0.05
3.93	0.50	0.50	8.04	0.01	0.04	3.94	0.45	0.55	8.03	0.01	0.04
3.95	0.49	0.51	8.03	0.01	0.04	3.96	0.41	0.59	8.02	0.01	0.05
3.97	0.52	0.48	8.02	0.01	0.04	3.98	0.46	0.54	8.01	0.01	0.04
3.99	0.47	0.53	8.01	0.01	0.04	4.00	0.41	0.59	8.00	0.01	0.05
4.01	0.47	0.53	8.00	0.01	0.04	4.02	0.46	0.54	7.99	0.01	0.04
4.03	0.43	0.57	7.99	0.01	0.05	4.04	0.43	0.57	7.98	0.01	0.05
4.05	0.45	0.55	7.98	0.01	0.04	4.06	0.44	0.56	7.97	0.01	0.04
4.07	0.44	0.56	7.97	0.01	0.04	4.08	0.46	0.54	7.96	0.01	0.04
4.09	0.40	0.60	7.96	0.01	0.05	4.10	0.49	0.51	7.95	0.01	0.04
4.11	0.42	0.58	7.95	0.01	0.05	4.12	0.39	0.61	7.94	0.01	0.05
4.13	0.47	0.53	7.94	0.01	0.04	4.14	0.43	0.57	7.93	0.01	0.04
4.15	0.42	0.58	7.93	0.01	0.05	4.16	0.41	0.59	7.92	0.01	0.05
4.17	0.42	0.58	7.92	0.01	0.05	4.18	0.39	0.61	7.91	0.01	0.05
4.19	0.43	0.57	7.91	0.01	0.05	4.20	0.40	0.60	7.90	0.01	0.05
4.21	0.41	0.59	7.90	0.01	0.05	4.22	0.43	0.57	7.89	0.01	0.05
4.23	0.41	0.59	7.89	0.01	0.05	4.24	0.43	0.57	7.88	0.01	0.05
4.25	0.39	0.61	7.88	0.01	0.05	4.26	0.43	0.57	7.87	0.01	0.04
4.27	0.44	0.56	7.87	0.01	0.04	4.28	0.39	0.61	7.86	0.01	0.05
4.29	0.41	0.59	7.86	0.01	0.05	4.30	0.43	0.57	7.85	0.01	0.04
4.31	0.40	0.60	7.85	0.01	0.05	4.32	0.40	0.60	7.84	0.01	0.05
4.33	0.41	0.59	7.84	0.01	0.05	4.34	0.42	0.58	7.83	0.01	0.05
4.35	0.44	0.56	7.83	0.01	0.04	4.36	0.41	0.59	7.82	0.01	0.05
4.37	0.44	0.56	7.82	0.01	0.04	4.38	0.39	0.61	7.81	0.01	0.05
4.39	0.41	0.59	7.81	0.01	0.05	4.40	0.38	0.62	7.80	0.01	0.05
4.41	0.41	0.59	7.80	0.01	0.05	4.42	0.40	0.60	7.79	0.01	0.05
4.43	0.39	0.61	7.79	0.01	0.05	4.44	0.41	0.59	7.78	0.01	0.05
4.45	0.42	0.58	7.78	0.01	0.05	4.46	0.42	0.58	7.77	0.01	0.04
4.47	0.40	0.60	7.77	0.01	0.05	4.48	0.41	0.59	7.76	0.01	0.05
4.49	0.43	0.57	7.76	0.01	0.04	4.50	0.41	0.59	7.75	0.01	0.05
4.51	0.41	0.59	7.75	0.01	0.05	4.52	0.38	0.62	7.74	0.01	0.05
4.53	0.39	0.61	7.74	0.01	0.05	4.54	0.40	0.60	7.73	0.01	0.05
4.55	0.38	0.62	7.73	0.01	0.05	4.56	0.38	0.62	7.72	0.01	0.05
4.57	0.40	0.60	7.72	0.01	0.05	4.58	0.39	0.61	7.71	0.01	0.05
4.59	0.38	0.62	7.71	0.01	0.05	4.60	0.39	0.61	7.70	0.01	0.05
4.61	0.39	0.61	7.70	0.01	0.05	4.62	0.37	0.63	7.69	0.01	0.05
4.63	0.41	0.59	7.69	0.01	0.05	4.64	0.35	0.65	7.68	0.01	0.05
4.65	0.41	0.59	7.68	0.01	0.04	4.66	0.35	0.65	7.67	0.01	0.05
4.67	0.39	0.61	7.67	0.01	0.05	4.68	0.39	0.61	7.66	0.01	0.05
4.69	0.36	0.64	7.66	0.01	0.05	4.70	0.38	0.62	7.65	0.01	0.05
4.71	0.39	0.61	7.65	0.01	0.05	4.72	0.34	0.66	7.64	0.01	0.05
4.73	0.37	0.63	7.64	0.01	0.05	4.74	0.38	0.62	7.63	0.01	0.05
4.75	0.36	0.64	7.63	0.01	0.05	4.76	0.34	0.66	7.62	0.01	0.05
4.77	0.38	0.62	7.62	0.01	0.05	4.78	0.36	0.64	7.61	0.01	0.05
4.79	0.34	0.66	7.61	0.01	0.05	4.80	0.36	0.64	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.36	0.64	7.60	0.01	0.05	4.82	0.46	0.54	7.59	0.01	0.04
4.83	0.40	0.60	7.59	0.01	0.05	4.84	0.42	0.58	7.58	0.01	0.04
4.85	0.39	0.61	7.58	0.01	0.05	4.86	0.37	0.63	7.57	0.01	0.05
4.87	0.43	0.57	7.57	0.01	0.04	4.88	0.44	0.56	7.56	0.01	0.04
4.89	0.38	0.62	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.38	0.62	7.55	0.01	0.05	4.92	0.35	0.65	7.54	0.01	0.05
4.93	0.37	0.63	7.54	0.01	0.05	4.94	0.39	0.61	7.53	0.01	0.05
4.95	0.36	0.64	7.53	0.01	0.05	4.96	0.41	0.59	7.52	0.01	0.04
4.97	0.34	0.66	7.52	0.01	0.05	4.98	0.39	0.61	7.51	0.01	0.05
4.99	0.35	0.65	7.51	0.01	0.05	5.00	0.35	0.65	7.50	0.01	0.05
5.01	0.35	0.65	7.50	0.01	0.05	5.02	0.36	0.64	7.49	0.01	0.05
5.03	0.33	0.67	7.49	0.01	0.05	5.04	0.37	0.63	7.48	0.01	0.05
5.05	0.36	0.64	7.48	0.01	0.05	5.06	0.43	0.57	7.47	0.01	0.04
5.07	0.32	0.68	7.47	0.01	0.05	5.08	0.34	0.66	7.46	0.01	0.05
5.09	0.34	0.66	7.46	0.01	0.05	5.10	0.32	0.68	7.45	0.01	0.05
5.11	0.31	0.69	7.45	0.01	0.05	5.12	0.33	0.67	7.44	0.01	0.05
5.13	0.30	0.70	7.44	0.01	0.05	5.14	0.34	0.66	7.43	0.01	0.05
5.15	0.31	0.69	7.43	0.01	0.05	5.16	0.32	0.68	7.42	0.01	0.05
5.17	0.31	0.69	7.42	0.01	0.05	5.18	0.32	0.68	7.41	0.01	0.05
5.19	0.32	0.68	7.41	0.01	0.05	5.20	0.32	0.68	7.40	0.01	0.05
5.21	0.31	0.69	7.40	0.01	0.05	5.22	0.31	0.69	7.39	0.01	0.05
5.23	0.30	0.70	7.39	0.01	0.05	5.24	0.31	0.69	7.38	0.01	0.05
5.25	0.32	0.68	7.38	0.01	0.05	5.26	0.31	0.69	7.37	0.01	0.05
5.27	0.32	0.68	7.37	0.01	0.05	5.28	0.32	0.68	7.36	0.01	0.05
5.29	0.30	0.70	7.36	0.01	0.05	5.30	0.32	0.68	7.35	0.01	0.05
5.31	0.32	0.68	7.35	0.01	0.05	5.32	0.33	0.67	7.34	0.01	0.05
5.33	0.34	0.66	7.34	0.01	0.05	5.34	0.36	0.64	7.33	0.01	0.05
5.35	0.37	0.63	7.33	0.01	0.05	5.36	0.37	0.63	7.32	0.01	0.05
5.37	0.36	0.64	7.32	0.01	0.05	5.38	0.38	0.62	7.31	0.01	0.05
5.39	0.36	0.64	7.31	0.01	0.05	5.40	0.37	0.63	7.30	0.01	0.05
5.41	0.36	0.64	7.30	0.01	0.05	5.42	0.37	0.63	7.29	0.01	0.05
5.43	0.36	0.64	7.29	0.01	0.05	5.44	0.36	0.64	7.28	0.01	0.05
5.45	0.37	0.63	7.28	0.01	0.05	5.46	0.37	0.63	7.27	0.01	0.05
5.47	0.37	0.63	7.27	0.01	0.05	5.48	0.38	0.62	7.26	0.01	0.04
5.49	0.36	0.64	7.26	0.01	0.05	5.50	0.37	0.63	7.25	0.01	0.05
5.51	0.36	0.64	7.25	0.01	0.05	5.52	0.39	0.61	7.24	0.01	0.04
5.53	0.38	0.62	7.24	0.01	0.04	5.54	0.36	0.64	7.23	0.01	0.05
5.55	0.40	0.60	7.23	0.01	0.04	5.56	0.36	0.64	7.22	0.01	0.05
5.57	0.37	0.63	7.22	0.01	0.05	5.58	0.34	0.66	7.21	0.01	0.05
5.59	0.33	0.67	7.21	0.01	0.05	5.60	0.33	0.67	7.20	0.01	0.05
5.61	0.33	0.67	7.20	0.01	0.05	5.62	0.33	0.67	7.19	0.01	0.05
5.63	0.35	0.65	7.19	0.01	0.05	5.64	0.34	0.66	7.18	0.01	0.05
5.65	0.35	0.65	7.18	0.01	0.05	5.66	0.36	0.64	7.17	0.01	0.05
5.67	0.36	0.64	7.17	0.01	0.05	5.68	0.35	0.65	7.16	0.01	0.05
5.69	0.37	0.63	7.16	0.01	0.05	5.70	0.41	0.59	7.15	0.01	0.04
5.71	0.30	0.70	7.15	0.01	0.05	5.72	0.31	0.69	7.14	0.01	0.05
5.73	0.31	0.69	7.14	0.01	0.05	5.74	0.30	0.70	7.13	0.01	0.05
5.75	0.30	0.70	7.13	0.01	0.05	5.76	0.30	0.70	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.31	0.69	7.12	0.01	0.05	5.78	0.29	0.71	7.11	0.01	0.05
5.79	0.30	0.70	7.11	0.01	0.05	5.80	0.30	0.70	7.10	0.01	0.05
5.81	0.30	0.70	7.10	0.01	0.05	5.82	0.30	0.70	7.09	0.01	0.05
5.83	0.31	0.69	7.09	0.01	0.05	5.84	0.30	0.70	7.08	0.01	0.05
5.85	0.30	0.70	7.08	0.01	0.05	5.86	0.30	0.70	7.07	0.01	0.05
5.87	0.31	0.69	7.07	0.01	0.05	5.88	0.32	0.68	7.06	0.01	0.05
5.89	0.36	0.64	7.06	0.01	0.05	5.90	0.39	0.61	7.05	0.01	0.04
5.91	0.39	0.61	7.05	0.01	0.04	5.92	0.36	0.64	7.04	0.01	0.04
5.93	0.36	0.64	7.04	0.01	0.04	5.94	0.35	0.65	7.03	0.01	0.05
5.95	0.36	0.64	7.03	0.01	0.05	5.96	0.37	0.63	7.02	0.01	0.04
5.97	0.36	0.64	7.02	0.01	0.04	5.98	0.35	0.65	7.01	0.01	0.05
5.99	0.36	0.64	7.01	0.01	0.04	6.00	0.35	0.65	7.00	0.01	0.05
6.01	0.36	0.64	7.00	0.01	0.04	6.02	0.35	0.65	6.99	0.01	0.05
6.03	0.36	0.64	6.99	0.01	0.04	6.04	0.35	0.65	6.98	0.01	0.05
6.05	0.37	0.63	6.98	0.01	0.04	6.06	0.37	0.63	6.97	0.01	0.04
6.07	0.36	0.64	6.97	0.01	0.04	6.08	0.36	0.64	6.96	0.01	0.04
6.09	0.38	0.62	6.96	0.01	0.04	6.10	0.37	0.63	6.95	0.01	0.04
6.11	0.37	0.63	6.95	0.01	0.04	6.12	0.37	0.63	6.94	0.01	0.04
6.13	0.37	0.63	6.94	0.01	0.04	6.14	0.35	0.65	6.93	0.01	0.04
6.15	0.37	0.63	6.93	0.01	0.04	6.16	0.37	0.63	6.92	0.01	0.04
6.17	0.35	0.65	6.92	0.01	0.04	6.18	0.37	0.63	6.91	0.01	0.04
6.19	0.36	0.64	6.91	0.01	0.04	6.20	0.36	0.64	6.90	0.01	0.04
6.21	0.36	0.64	6.90	0.01	0.04	6.22	0.36	0.64	6.89	0.01	0.04
6.23	0.34	0.66	6.89	0.01	0.05	6.24	0.34	0.66	6.88	0.01	0.05
6.25	0.35	0.65	6.88	0.01	0.04	6.26	0.35	0.65	6.87	0.01	0.04
6.27	0.35	0.65	6.87	0.01	0.04	6.28	0.35	0.65	6.86	0.01	0.04
6.29	0.36	0.64	6.86	0.01	0.04	6.30	0.34	0.66	6.85	0.01	0.05
6.31	0.37	0.63	6.85	0.01	0.04	6.32	0.35	0.65	6.84	0.01	0.04
6.33	0.38	0.62	6.84	0.01	0.04	6.34	0.34	0.66	6.83	0.01	0.05
6.35	0.36	0.64	6.83	0.01	0.04	6.36	0.36	0.64	6.82	0.01	0.04
6.37	0.35	0.65	6.82	0.01	0.04	6.38	0.36	0.64	6.81	0.01	0.04
6.39	0.35	0.65	6.81	0.01	0.04	6.40	0.35	0.65	6.80	0.01	0.04
6.41	0.36	0.64	6.80	0.01	0.04	6.42	0.36	0.64	6.79	0.01	0.04
6.43	0.39	0.61	6.79	0.01	0.04	6.44	0.39	0.61	6.78	0.01	0.04
6.45	0.40	0.60	6.78	0.01	0.04	6.46	0.40	0.60	6.77	0.01	0.04
6.47	0.39	0.61	6.77	0.01	0.04	6.48	0.46	0.54	6.76	0.01	0.04
6.49	0.36	0.64	6.76	0.01	0.04	6.50	0.35	0.65	6.75	0.01	0.04
6.51	0.35	0.65	6.75	0.01	0.04	6.52	0.38	0.62	6.74	0.01	0.04
6.53	0.38	0.62	6.74	0.01	0.04	6.54	0.35	0.65	6.73	0.01	0.04
6.55	0.36	0.64	6.73	0.01	0.04	6.56	0.36	0.64	6.72	0.01	0.04
6.57	0.38	0.62	6.72	0.01	0.04	6.58	0.36	0.64	6.71	0.01	0.04
6.59	0.38	0.62	6.71	0.01	0.04	6.60	0.36	0.64	6.70	0.01	0.04
6.61	0.35	0.65	6.70	0.01	0.04	6.62	0.37	0.63	6.69	0.01	0.04
6.63	0.38	0.62	6.69	0.01	0.04	6.64	0.34	0.66	6.68	0.01	0.04
6.65	0.33	0.67	6.68	0.01	0.04	6.66	0.34	0.66	6.67	0.01	0.04
6.67	0.34	0.66	6.67	0.01	0.04	6.68	0.35	0.65	6.66	0.01	0.04
6.69	0.37	0.63	6.66	0.01	0.04	6.70	0.35	0.65	6.65	0.01	0.04
6.71	0.38	0.62	6.65	0.01	0.04	6.72	0.36	0.64	6.64	0.01	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.39	0.61	6.64	0.01	0.04	6.74	0.36	0.64	6.63	0.01	0.04
6.75	0.36	0.64	6.63	0.01	0.04	6.76	0.37	0.63	6.62	0.01	0.04
6.77	0.36	0.64	6.62	0.01	0.04	6.78	0.36	0.64	6.61	0.01	0.04
6.79	0.36	0.64	6.61	0.01	0.04	6.80	0.37	0.63	6.60	0.01	0.04
6.81	0.36	0.64	6.60	0.01	0.04	6.82	0.36	0.64	6.59	0.01	0.04
6.83	0.37	0.63	6.59	0.01	0.04	6.84	0.35	0.65	6.58	0.01	0.04
6.85	0.36	0.64	6.58	0.01	0.04	6.86	0.36	0.64	6.57	0.01	0.04
6.87	0.35	0.65	6.57	0.01	0.04	6.88	0.37	0.63	6.56	0.01	0.04
6.89	0.35	0.65	6.56	0.01	0.04	6.90	0.35	0.65	6.55	0.01	0.04
6.91	0.36	0.64	6.55	0.01	0.04	6.92	0.32	0.68	6.54	0.01	0.04
6.93	0.31	0.69	6.54	0.01	0.05	6.94	0.33	0.67	6.53	0.01	0.04
6.95	0.32	0.68	6.53	0.01	0.04	6.96	0.31	0.69	6.52	0.01	0.05
6.97	0.30	0.70	6.52	0.01	0.05	6.98	0.33	0.67	6.51	0.01	0.04
6.99	0.33	0.67	6.51	0.01	0.04	7.00	0.32	0.68	6.50	0.01	0.04
7.01	0.34	0.66	6.50	0.01	0.04	7.02	0.33	0.67	6.49	0.01	0.04
7.03	0.32	0.68	6.49	0.01	0.04	7.04	0.31	0.69	6.48	0.01	0.04
7.05	0.35	0.65	6.48	0.01	0.04	7.06	0.32	0.68	6.47	0.01	0.04
7.07	0.31	0.69	6.47	0.01	0.04	7.08	0.30	0.70	6.46	0.01	0.05
7.09	0.30	0.70	6.46	0.01	0.05	7.10	0.28	0.72	6.45	0.01	0.05
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	0.28	0.72	6.37	0.01	0.05
7.27	0.37	0.63	6.37	0.01	0.04	7.28	0.34	0.66	6.36	0.01	0.04
7.29	0.33	0.67	6.36	0.01	0.04	7.30	0.34	0.66	6.35	0.01	0.04
7.31	0.35	0.65	6.35	0.01	0.04	7.32	0.35	0.65	6.34	0.01	0.04
7.33	0.35	0.65	6.34	0.01	0.04	7.34	0.36	0.64	6.33	0.01	0.04
7.35	0.36	0.64	6.33	0.01	0.04	7.36	0.34	0.66	6.32	0.01	0.04
7.37	0.39	0.61	6.32	0.01	0.04	7.38	0.36	0.64	6.31	0.01	0.04
7.39	0.34	0.66	6.31	0.01	0.04	7.40	0.37	0.63	6.30	0.01	0.04
7.41	0.35	0.65	6.30	0.01	0.04	7.42	0.34	0.66	6.29	0.01	0.04
7.43	0.37	0.63	6.29	0.01	0.04	7.44	0.36	0.64	6.28	0.01	0.04
7.45	0.38	0.62	6.28	0.01	0.04	7.46	0.35	0.65	6.27	0.01	0.04
7.47	0.36	0.64	6.27	0.01	0.04	7.48	0.36	0.64	6.26	0.01	0.04
7.49	0.36	0.64	6.26	0.01	0.04	7.50	0.35	0.65	6.25	0.01	0.04
7.51	0.49	0.51	6.25	0.01	0.03	7.52	0.23	0.77	6.24	0.01	0.05
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	0.30	0.70	4.61	0.01	0.03	10.80	0.33	0.67	4.60	0.01	0.03
10.81	0.33	0.67	4.60	0.01	0.03	10.82	0.33	0.67	4.59	0.01	0.03
10.83	0.35	0.65	4.59	0.01	0.03	10.84	0.35	0.65	4.58	0.01	0.03
10.85	0.35	0.65	4.58	0.01	0.03	10.86	0.35	0.65	4.57	0.01	0.03
10.87	0.35	0.65	4.57	0.01	0.03	10.88	0.35	0.65	4.56	0.01	0.03
10.89	0.35	0.65	4.56	0.01	0.03	10.90	0.34	0.66	4.55	0.01	0.03
10.91	0.34	0.66	4.55	0.01	0.03	10.92	0.34	0.66	4.54	0.01	0.03
10.93	0.30	0.70	4.54	0.01	0.03	10.94	0.30	0.70	4.53	0.01	0.03
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	0.20	0.80	3.40	0.01	0.03
13.21	2.00	0.00	3.40	0.01	0.00						

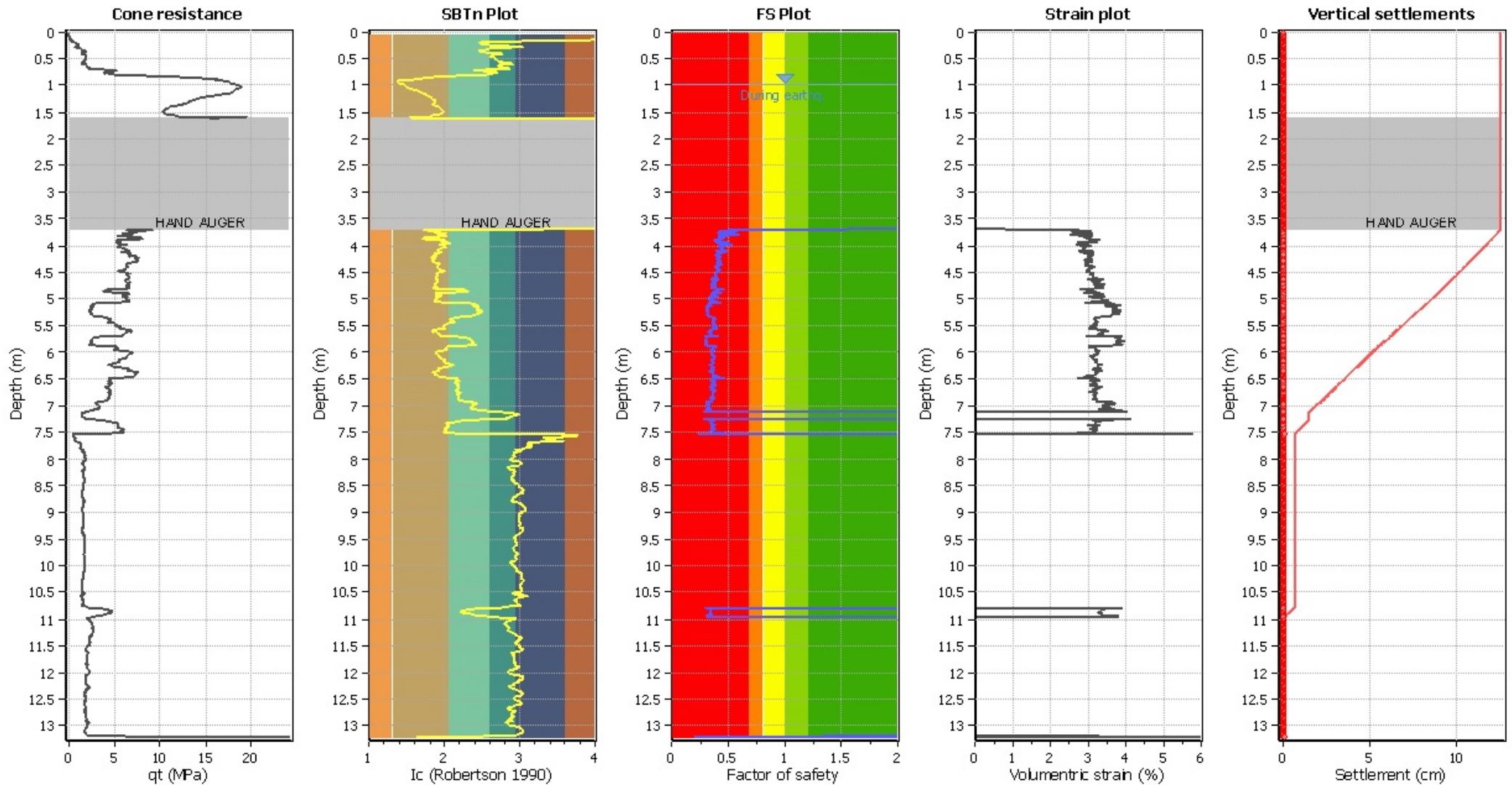
**Overall liquefaction potential: 17.14**

LPI = 0.00 - Liquefaction risk very low  
 LPI between 0.00 and 5.00 - Liquefaction risk low  
 LPI between 5.00 and 15.00 - Liquefaction risk high  
 LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point  
 F<sub>L</sub>: 1 - FS  
 w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
 d<sub>z</sub>: Layer thickness (m)  
 LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	254.00	2.00	0.00	1.00	0.00	1.01	254.00	2.00	0.00	1.00	0.00
1.02	254.00	2.00	0.00	1.00	0.00	1.03	254.00	2.00	0.00	1.00	0.00
1.04	254.00	2.00	0.00	1.00	0.00	1.05	254.00	2.00	0.00	1.00	0.00
1.06	254.00	2.00	0.00	1.00	0.00	1.07	254.00	2.00	0.00	1.00	0.00
1.08	254.00	2.00	0.00	1.00	0.00	1.09	254.00	2.00	0.00	1.00	0.00
1.10	254.00	2.00	0.00	1.00	0.00	1.11	254.00	2.00	0.00	1.00	0.00
1.12	254.00	2.00	0.00	1.00	0.00	1.13	254.00	2.00	0.00	1.00	0.00
1.14	254.00	2.00	0.00	1.00	0.00	1.15	254.00	2.00	0.00	1.00	0.00
1.16	254.00	2.00	0.00	1.00	0.00	1.17	250.73	2.00	0.00	1.00	0.00
1.18	246.91	2.00	0.00	1.00	0.00	1.19	242.01	2.00	0.00	1.00	0.00
1.20	238.98	2.00	0.00	1.00	0.00	1.21	237.26	2.00	0.00	1.00	0.00
1.22	232.89	2.00	0.00	1.00	0.00	1.23	232.49	2.00	0.00	1.00	0.00
1.24	229.89	2.00	0.00	1.00	0.00	1.25	228.54	2.00	0.00	1.00	0.00
1.26	227.40	2.00	0.00	1.00	0.00	1.27	226.36	2.00	0.00	1.00	0.00
1.28	225.77	2.00	0.00	1.00	0.00	1.29	223.72	2.00	0.00	1.00	0.00
1.30	221.56	2.00	0.00	1.00	0.00	1.31	219.41	2.00	0.00	1.00	0.00
1.32	216.08	2.00	0.00	1.00	0.00	1.33	215.27	2.00	0.00	1.00	0.00
1.34	210.40	2.00	0.00	1.00	0.00	1.35	209.97	2.00	0.00	1.00	0.00
1.36	206.15	2.00	0.00	1.00	0.00	1.37	206.22	2.00	0.00	1.00	0.00
1.38	203.18	2.00	0.00	1.00	0.00	1.39	204.80	2.00	0.00	1.00	0.00
1.40	201.67	2.00	0.00	1.00	0.00	1.41	205.81	2.00	0.00	1.00	0.00
1.42	201.96	2.00	0.00	1.00	0.00	1.43	203.92	2.00	0.00	1.00	0.00
1.44	204.00	2.00	0.00	1.00	0.00	1.45	203.50	2.00	0.00	1.00	0.00
1.46	203.67	2.00	0.00	1.00	0.00	1.47	204.44	2.00	0.00	1.00	0.00
1.48	202.77	2.00	0.00	1.00	0.00	1.49	201.95	2.00	0.00	1.00	0.00
1.50	202.05	2.00	0.00	1.00	0.00	1.51	202.01	2.00	0.00	1.00	0.00
1.52	201.76	2.00	0.00	1.00	0.00	1.53	200.84	2.00	0.00	1.00	0.00
1.54	199.61	2.00	0.00	1.00	0.00	1.55	196.26	2.00	0.00	1.00	0.00
1.56	193.28	2.00	0.00	1.00	0.00	1.57	189.09	2.00	0.00	1.00	0.00
1.58	184.22	2.00	0.00	1.00	0.00	1.59	191.35	2.00	0.00	1.00	0.00
1.60	197.82	2.00	0.00	1.00	0.00	1.61	254.00	2.00	0.00	1.00	0.00
1.62	-167760.1	2.00	0.00	1.00	0.00	1.63	-167760.1	2.00	0.00	1.00	0.00
1.64	-167760.1	2.00	0.00	1.00	0.00	1.65	-167760.1	2.00	0.00	1.00	0.00
1.66	-167760.1	2.00	0.00	1.00	0.00	1.67	-167760.1	2.00	0.00	1.00	0.00
1.68	-167760.1	2.00	0.00	1.00	0.00	1.69	-167760.1	2.00	0.00	1.00	0.00
1.70	-167760.1	2.00	0.00	1.00	0.00	1.71	-167760.1	2.00	0.00	1.00	0.00
1.72	-167760.1	2.00	0.00	1.00	0.00	1.73	-167760.1	2.00	0.00	1.00	0.00
1.74	-167760.1	2.00	0.00	1.00	0.00	1.75	-167760.1	2.00	0.00	1.00	0.00
1.76	-167760.1	2.00	0.00	1.00	0.00	1.77	-167760.1	2.00	0.00	1.00	0.00
1.78	-167760.1	2.00	0.00	1.00	0.00	1.79	-167760.1	2.00	0.00	1.00	0.00
1.80	-167760.1	2.00	0.00	1.00	0.00	1.81	-167760.1	2.00	0.00	1.00	0.00
1.82	-167760.1	2.00	0.00	1.00	0.00	1.83	-167760.1	2.00	0.00	1.00	0.00
1.84	-167760.1	2.00	0.00	1.00	0.00	1.85	-167760.1	2.00	0.00	1.00	0.00
1.86	-167760.1	2.00	0.00	1.00	0.00	1.87	-167760.1	2.00	0.00	1.00	0.00
1.88	-167760.1	2.00	0.00	1.00	0.00	1.89	-167760.1	2.00	0.00	1.00	0.00
1.90	-167760.1	2.00	0.00	1.00	0.00	1.91	-167760.1	2.00	0.00	1.00	0.00
1.92	-167760.1	2.00	0.00	1.00	0.00	1.93	-167760.1	2.00	0.00	1.00	0.00
1.94	-167760.1	2.00	0.00	1.00	0.00	1.95	-167760.1	2.00	0.00	1.00	0.00



:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	-167760.1	2.00	0.00	1.00	0.00	1.97	-167760.1	2.00	0.00	1.00	0.00
1.98	-167760.1	2.00	0.00	1.00	0.00	1.99	-167760.1	2.00	0.00	1.00	0.00
2.00	-167760.1	2.00	0.00	1.00	0.00	2.01	-167760.1	2.00	0.00	1.00	0.00
2.02	-167760.1	2.00	0.00	1.00	0.00	2.03	-167760.1	2.00	0.00	1.00	0.00
2.04	-167760.1	2.00	0.00	1.00	0.00	2.05	-167760.1	2.00	0.00	1.00	0.00
2.06	-167760.1	2.00	0.00	1.00	0.00	2.07	-167760.1	2.00	0.00	1.00	0.00
2.08	-167760.1	2.00	0.00	1.00	0.00	2.09	-167760.1	2.00	0.00	1.00	0.00
2.10	-167760.1	2.00	0.00	1.00	0.00	2.11	-167760.1	2.00	0.00	1.00	0.00
2.12	-167760.1	2.00	0.00	1.00	0.00	2.13	-167760.1	2.00	0.00	1.00	0.00
2.14	-167760.1	2.00	0.00	1.00	0.00	2.15	-167760.1	2.00	0.00	1.00	0.00
2.16	-167760.1	2.00	0.00	1.00	0.00	2.17	-167760.1	2.00	0.00	1.00	0.00
2.18	-167760.1	2.00	0.00	1.00	0.00	2.19	-167760.1	2.00	0.00	1.00	0.00
2.20	-167760.1	2.00	0.00	1.00	0.00	2.21	-167760.1	2.00	0.00	1.00	0.00
2.22	-167760.1	2.00	0.00	1.00	0.00	2.23	-167760.1	2.00	0.00	1.00	0.00
2.24	-167760.1	2.00	0.00	1.00	0.00	2.25	-167760.1	2.00	0.00	1.00	0.00
2.26	-167760.1	2.00	0.00	1.00	0.00	2.27	-167760.1	2.00	0.00	1.00	0.00
2.28	-167760.1	2.00	0.00	1.00	0.00	2.29	-167760.1	2.00	0.00	1.00	0.00
2.30	-167760.1	2.00	0.00	1.00	0.00	2.31	-167760.1	2.00	0.00	1.00	0.00
2.32	-167760.1	2.00	0.00	1.00	0.00	2.33	-167760.1	2.00	0.00	1.00	0.00
2.34	-167760.1	2.00	0.00	1.00	0.00	2.35	-167760.1	2.00	0.00	1.00	0.00
2.36	-167760.1	2.00	0.00	1.00	0.00	2.37	-167760.1	2.00	0.00	1.00	0.00
2.38	-167760.1	2.00	0.00	1.00	0.00	2.39	-167760.1	2.00	0.00	1.00	0.00
2.40	-167760.1	2.00	0.00	1.00	0.00	2.41	-167760.1	2.00	0.00	1.00	0.00
2.42	-167760.1	2.00	0.00	1.00	0.00	2.43	-167760.1	2.00	0.00	1.00	0.00
2.44	-167760.1	2.00	0.00	1.00	0.00	2.45	-167760.1	2.00	0.00	1.00	0.00
2.46	-167760.1	2.00	0.00	1.00	0.00	2.47	-167760.1	2.00	0.00	1.00	0.00
2.48	-167760.1	2.00	0.00	1.00	0.00	2.49	-167760.1	2.00	0.00	1.00	0.00
2.50	-167760.1	2.00	0.00	1.00	0.00	2.51	-167760.1	2.00	0.00	1.00	0.00
2.52	-167760.1	2.00	0.00	1.00	0.00	2.53	-167760.1	2.00	0.00	1.00	0.00
2.54	-167760.1	2.00	0.00	1.00	0.00	2.55	-167760.1	2.00	0.00	1.00	0.00
2.56	-167760.1	2.00	0.00	1.00	0.00	2.57	-167760.1	2.00	0.00	1.00	0.00
2.58	-167760.1	2.00	0.00	1.00	0.00	2.59	-167760.1	2.00	0.00	1.00	0.00
2.60	-167760.1	2.00	0.00	1.00	0.00	2.61	-167760.1	2.00	0.00	1.00	0.00
2.62	-167760.1	2.00	0.00	1.00	0.00	2.63	-167760.1	2.00	0.00	1.00	0.00
2.64	-167760.1	2.00	0.00	1.00	0.00	2.65	-167760.1	2.00	0.00	1.00	0.00
2.66	-167760.1	2.00	0.00	1.00	0.00	2.67	-167760.1	2.00	0.00	1.00	0.00
2.68	-167760.1	2.00	0.00	1.00	0.00	2.69	-167760.1	2.00	0.00	1.00	0.00
2.70	-167760.1	2.00	0.00	1.00	0.00	2.71	-167760.1	2.00	0.00	1.00	0.00
2.72	-167760.1	2.00	0.00	1.00	0.00	2.73	-167760.1	2.00	0.00	1.00	0.00
2.74	-167760.1	2.00	0.00	1.00	0.00	2.75	-167760.1	2.00	0.00	1.00	0.00
2.76	-167760.1	2.00	0.00	1.00	0.00	2.77	-167760.1	2.00	0.00	1.00	0.00
2.78	-167760.1	2.00	0.00	1.00	0.00	2.79	-167760.1	2.00	0.00	1.00	0.00
2.80	-167760.1	2.00	0.00	1.00	0.00	2.81	-167760.1	2.00	0.00	1.00	0.00
2.82	-167760.1	2.00	0.00	1.00	0.00	2.83	-167760.1	2.00	0.00	1.00	0.00
2.84	-167760.1	2.00	0.00	1.00	0.00	2.85	-167760.1	2.00	0.00	1.00	0.00
2.86	-167760.1	2.00	0.00	1.00	0.00	2.87	-167760.1	2.00	0.00	1.00	0.00
2.88	-167760.1	2.00	0.00	1.00	0.00	2.89	-167760.1	2.00	0.00	1.00	0.00
2.90	-167760.1	2.00	0.00	1.00	0.00	2.91	-167760.1	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	-167760.1	2.00	0.00	1.00	0.00	2.93	-167760.1	2.00	0.00	1.00	0.00
2.94	-167760.1	2.00	0.00	1.00	0.00	2.95	-167760.1	2.00	0.00	1.00	0.00
2.96	-167760.1	2.00	0.00	1.00	0.00	2.97	-167760.1	2.00	0.00	1.00	0.00
2.98	-167760.1	2.00	0.00	1.00	0.00	2.99	-167760.1	2.00	0.00	1.00	0.00
3.00	-167760.1	2.00	0.00	1.00	0.00	3.01	-167760.1	2.00	0.00	1.00	0.00
3.02	-167760.1	2.00	0.00	1.00	0.00	3.03	-167760.1	2.00	0.00	1.00	0.00
3.04	-167760.1	2.00	0.00	1.00	0.00	3.05	-167760.1	2.00	0.00	1.00	0.00
3.06	-167760.1	2.00	0.00	1.00	0.00	3.07	-167760.1	2.00	0.00	1.00	0.00
3.08	-167760.1	2.00	0.00	1.00	0.00	3.09	-167760.1	2.00	0.00	1.00	0.00
3.10	-167760.1	2.00	0.00	1.00	0.00	3.11	-167760.1	2.00	0.00	1.00	0.00
3.12	-167760.1	2.00	0.00	1.00	0.00	3.13	-167760.1	2.00	0.00	1.00	0.00
3.14	-167760.1	2.00	0.00	1.00	0.00	3.15	-167760.1	2.00	0.00	1.00	0.00
3.16	-167760.1	2.00	0.00	1.00	0.00	3.17	-167760.1	2.00	0.00	1.00	0.00
3.18	-167760.1	2.00	0.00	1.00	0.00	3.19	-167760.1	2.00	0.00	1.00	0.00
3.20	-167760.1	2.00	0.00	1.00	0.00	3.21	-167760.1	2.00	0.00	1.00	0.00
3.22	-167760.1	2.00	0.00	1.00	0.00	3.23	-167760.1	2.00	0.00	1.00	0.00
3.24	-167760.1	2.00	0.00	1.00	0.00	3.25	-167760.1	2.00	0.00	1.00	0.00
3.26	-167760.1	2.00	0.00	1.00	0.00	3.27	-167760.1	2.00	0.00	1.00	0.00
3.28	-167760.1	2.00	0.00	1.00	0.00	3.29	-167760.1	2.00	0.00	1.00	0.00
3.30	-167760.1	2.00	0.00	1.00	0.00	3.31	-167760.1	2.00	0.00	1.00	0.00
3.32	-167760.1	2.00	0.00	1.00	0.00	3.33	-167760.1	2.00	0.00	1.00	0.00
3.34	-167760.1	2.00	0.00	1.00	0.00	3.35	-167760.1	2.00	0.00	1.00	0.00
3.36	-167760.1	2.00	0.00	1.00	0.00	3.37	-167760.1	2.00	0.00	1.00	0.00
3.38	-167760.1	2.00	0.00	1.00	0.00	3.39	-167760.1	2.00	0.00	1.00	0.00
3.40	-167760.1	2.00	0.00	1.00	0.00	3.41	-167760.1	2.00	0.00	1.00	0.00
3.42	-167760.1	2.00	0.00	1.00	0.00	3.43	-167760.1	2.00	0.00	1.00	0.00
3.44	-167760.1	2.00	0.00	1.00	0.00	3.45	-167760.1	2.00	0.00	1.00	0.00
3.46	-167760.1	2.00	0.00	1.00	0.00	3.47	-167760.1	2.00	0.00	1.00	0.00
3.48	-167760.1	2.00	0.00	1.00	0.00	3.49	-167760.1	2.00	0.00	1.00	0.00
3.50	-167760.1	2.00	0.00	1.00	0.00	3.51	-167760.1	2.00	0.00	1.00	0.00
3.52	-167760.1	2.00	0.00	1.00	0.00	3.53	-167760.1	2.00	0.00	1.00	0.00
3.54	-167688.9	2.00	0.00	1.00	0.00	3.55	-167455.0	2.00	0.00	1.00	0.00
3.56	-167221.8	2.00	0.00	1.00	0.00	3.57	-166989.4	2.00	0.00	1.00	0.00
3.58	-166757.7	2.00	0.00	1.00	0.00	3.59	-166526.8	2.00	0.00	1.00	0.00
3.60	-166296.5	2.00	0.00	1.00	0.00	3.61	-166067.0	2.00	0.00	1.00	0.00
3.62	-165838.3	2.00	0.00	1.00	0.00	3.63	-165610.2	2.00	0.00	1.00	0.00
3.64	-165382.9	2.00	0.00	1.00	0.00	3.65	-165156.2	2.00	0.00	1.00	0.00
3.66	-164930.3	2.00	0.00	1.00	0.00	3.67	-164705.0	2.00	0.00	1.00	0.00
3.68	-164480.5	2.00	0.00	1.00	0.00	3.69	-164256.7	2.00	0.00	1.00	0.00
3.70	132.76	0.66	2.38	1.00	0.02	3.71	123.06	0.55	2.58	1.00	0.03
3.72	118.54	0.51	2.69	1.00	0.03	3.73	104.82	0.42	3.06	1.00	0.03
3.74	110.83	0.45	2.89	1.00	0.03	3.75	124.62	0.56	2.55	1.00	0.03
3.76	113.25	0.47	2.82	1.00	0.03	3.77	103.01	0.41	3.12	1.00	0.03
3.78	124.27	0.56	2.56	1.00	0.03	3.79	127.69	0.60	2.48	1.00	0.02
3.80	116.72	0.49	2.73	1.00	0.03	3.81	103.36	0.41	3.11	1.00	0.03
3.82	117.03	0.50	2.73	1.00	0.03	3.83	111.46	0.46	2.87	1.00	0.03
3.84	112.17	0.46	2.85	1.00	0.03	3.85	104.80	0.41	3.06	1.00	0.03
3.86	104.44	0.41	3.07	1.00	0.03	3.87	107.90	0.43	2.97	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	110.16	0.45	2.91	1.00	0.03	3.89	97.42	0.38	3.30	1.00	0.03
3.90	103.57	0.41	3.10	1.00	0.03	3.91	103.85	0.41	3.09	1.00	0.03
3.92	98.84	0.38	3.25	1.00	0.03	3.93	118.16	0.50	2.70	1.00	0.03
3.94	110.91	0.45	2.89	1.00	0.03	3.95	116.40	0.49	2.74	1.00	0.03
3.96	105.32	0.41	3.05	1.00	0.03	3.97	120.71	0.52	2.64	1.00	0.03
3.98	112.60	0.46	2.84	1.00	0.03	3.99	114.10	0.47	2.80	1.00	0.03
4.00	104.73	0.41	3.06	1.00	0.03	4.01	114.69	0.47	2.79	1.00	0.03
4.02	112.94	0.46	2.83	1.00	0.03	4.03	107.90	0.43	2.97	1.00	0.03
4.04	108.43	0.43	2.96	1.00	0.03	4.05	112.11	0.45	2.85	1.00	0.03
4.06	110.52	0.44	2.90	1.00	0.03	4.07	109.92	0.44	2.91	1.00	0.03
4.08	113.64	0.46	2.81	1.00	0.03	4.09	102.57	0.40	3.13	1.00	0.03
4.10	117.11	0.49	2.73	1.00	0.03	4.11	107.37	0.42	2.99	1.00	0.03
4.12	102.29	0.39	3.14	1.00	0.03	4.13	114.90	0.47	2.78	1.00	0.03
4.14	109.42	0.43	2.93	1.00	0.03	4.15	106.84	0.42	3.00	1.00	0.03
4.16	105.18	0.41	3.05	1.00	0.03	4.17	106.58	0.42	3.01	1.00	0.03
4.18	101.69	0.39	3.16	1.00	0.03	4.19	108.18	0.43	2.96	1.00	0.03
4.20	103.79	0.40	3.09	1.00	0.03	4.21	105.22	0.41	3.05	1.00	0.03
4.22	108.44	0.43	2.96	1.00	0.03	4.23	106.45	0.41	3.01	1.00	0.03
4.24	108.52	0.43	2.95	1.00	0.03	4.25	102.75	0.39	3.12	1.00	0.03
4.26	108.92	0.43	2.94	1.00	0.03	4.27	110.75	0.44	2.89	1.00	0.03
4.28	102.50	0.39	3.13	1.00	0.03	4.29	105.14	0.41	3.05	1.00	0.03
4.30	109.51	0.43	2.92	1.00	0.03	4.31	103.51	0.40	3.10	1.00	0.03
4.32	104.98	0.40	3.06	1.00	0.03	4.33	106.17	0.41	3.02	1.00	0.03
4.34	107.09	0.42	2.99	1.00	0.03	4.35	111.12	0.44	2.88	1.00	0.03
4.36	105.72	0.41	3.03	1.00	0.03	4.37	111.27	0.44	2.88	1.00	0.03
4.38	102.03	0.39	3.15	1.00	0.03	4.39	106.48	0.41	3.01	1.00	0.03
4.40	101.11	0.38	3.18	1.00	0.03	4.41	105.53	0.41	3.04	1.00	0.03
4.42	105.07	0.40	3.05	1.00	0.03	4.43	102.67	0.39	3.13	1.00	0.03
4.44	107.02	0.41	3.00	1.00	0.03	4.45	108.04	0.42	2.97	1.00	0.03
4.46	108.99	0.42	2.94	1.00	0.03	4.47	104.97	0.40	3.06	1.00	0.03
4.48	105.75	0.41	3.03	1.00	0.03	4.49	109.49	0.43	2.93	1.00	0.03
4.50	106.49	0.41	3.01	1.00	0.03	4.51	106.13	0.41	3.02	1.00	0.03
4.52	101.51	0.38	3.16	1.00	0.03	4.53	102.62	0.39	3.13	1.00	0.03
4.54	105.15	0.40	3.05	1.00	0.03	4.55	101.75	0.38	3.16	1.00	0.03
4.56	101.49	0.38	3.16	1.00	0.03	4.57	104.68	0.40	3.07	1.00	0.03
4.58	103.19	0.39	3.11	1.00	0.03	4.59	101.49	0.38	3.16	1.00	0.03
4.60	102.27	0.39	3.14	1.00	0.03	4.61	102.17	0.39	3.14	1.00	0.03
4.62	97.95	0.37	3.28	1.00	0.03	4.63	107.08	0.41	2.99	1.00	0.03
4.64	94.05	0.35	3.42	1.00	0.03	4.65	107.67	0.41	2.98	1.00	0.03
4.66	95.59	0.35	3.36	1.00	0.03	4.67	103.54	0.39	3.10	1.00	0.03
4.68	102.81	0.39	3.12	1.00	0.03	4.69	96.75	0.36	3.32	1.00	0.03
4.70	100.92	0.38	3.18	1.00	0.03	4.71	102.79	0.39	3.12	1.00	0.03
4.72	93.35	0.34	3.44	1.00	0.03	4.73	98.83	0.37	3.25	1.00	0.03
4.74	101.60	0.38	3.16	1.00	0.03	4.75	98.27	0.36	3.27	1.00	0.03
4.76	93.48	0.34	3.44	1.00	0.03	4.77	102.44	0.38	3.13	1.00	0.03
4.78	97.48	0.36	3.30	1.00	0.03	4.79	93.50	0.34	3.44	1.00	0.03
4.80	98.26	0.36	3.27	1.00	0.03	4.81	97.90	0.36	3.28	1.00	0.03
4.82	115.67	0.46	2.76	1.00	0.03	4.83	106.20	0.40	3.02	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	109.15	0.42	2.94	1.00	0.03	4.85	103.59	0.39	3.10	1.00	0.03
4.86	98.91	0.37	3.25	1.00	0.03	4.87	110.65	0.43	2.89	1.00	0.03
4.88	112.87	0.44	2.83	1.00	0.03	4.89	101.53	0.38	3.16	1.00	0.03
4.90	93.90	0.34	3.42	1.00	0.03	4.91	102.23	0.38	3.14	1.00	0.03
4.92	95.94	0.35	3.35	1.00	0.03	4.93	100.12	0.37	3.21	1.00	0.03
4.94	103.57	0.39	3.10	1.00	0.03	4.95	97.73	0.36	3.29	1.00	0.03
4.96	107.29	0.41	2.99	1.00	0.03	4.97	92.50	0.34	3.48	1.00	0.03
4.98	103.76	0.39	3.09	1.00	0.03	4.99	95.34	0.35	3.37	1.00	0.03
5.00	95.14	0.35	3.38	1.00	0.03	5.01	96.05	0.35	3.35	1.00	0.03
5.02	97.28	0.36	3.30	1.00	0.03	5.03	91.19	0.33	3.53	1.00	0.04
5.04	99.64	0.37	3.22	1.00	0.03	5.05	98.36	0.36	3.27	1.00	0.03
5.06	111.48	0.43	2.87	1.00	0.03	5.07	88.68	0.32	3.63	1.00	0.04
5.08	92.83	0.34	3.46	1.00	0.03	5.09	92.52	0.34	3.48	1.00	0.03
5.10	87.31	0.32	3.68	1.00	0.04	5.11	86.05	0.31	3.73	1.00	0.04
5.12	91.05	0.33	3.53	1.00	0.04	5.13	82.48	0.30	3.89	1.00	0.04
5.14	93.62	0.34	3.43	1.00	0.03	5.15	85.54	0.31	3.76	1.00	0.04
5.16	88.18	0.32	3.65	1.00	0.04	5.17	85.01	0.31	3.78	1.00	0.04
5.18	88.07	0.32	3.65	1.00	0.04	5.19	87.53	0.32	3.67	1.00	0.04
5.20	89.17	0.32	3.61	1.00	0.04	5.21	86.56	0.31	3.71	1.00	0.04
5.22	84.20	0.31	3.81	1.00	0.04	5.23	82.86	0.30	3.88	1.00	0.04
5.24	85.78	0.31	3.75	1.00	0.04	5.25	87.04	0.32	3.69	1.00	0.04
5.26	86.49	0.31	3.72	1.00	0.04	5.27	89.18	0.32	3.61	1.00	0.04
5.28	87.74	0.32	3.66	1.00	0.04	5.29	83.17	0.30	3.86	1.00	0.04
5.30	88.85	0.32	3.62	1.00	0.04	5.31	89.03	0.32	3.61	1.00	0.04
5.32	90.77	0.33	3.54	1.00	0.04	5.33	92.68	0.34	3.47	1.00	0.03
5.34	98.01	0.36	3.28	1.00	0.03	5.35	100.13	0.37	3.21	1.00	0.03
5.36	101.24	0.37	3.17	1.00	0.03	5.37	99.65	0.36	3.22	1.00	0.03
5.38	103.48	0.38	3.10	1.00	0.03	5.39	99.63	0.36	3.23	1.00	0.03
5.40	101.73	0.37	3.16	1.00	0.03	5.41	99.58	0.36	3.23	1.00	0.03
5.42	100.42	0.37	3.20	1.00	0.03	5.43	98.43	0.36	3.27	1.00	0.03
5.44	98.98	0.36	3.25	1.00	0.03	5.45	101.71	0.37	3.16	1.00	0.03
5.46	101.40	0.37	3.17	1.00	0.03	5.47	102.28	0.37	3.14	1.00	0.03
5.48	104.23	0.38	3.08	1.00	0.03	5.49	98.62	0.36	3.26	1.00	0.03
5.50	101.93	0.37	3.15	1.00	0.03	5.51	99.37	0.36	3.23	1.00	0.03
5.52	106.09	0.39	3.02	1.00	0.03	5.53	104.48	0.38	3.07	1.00	0.03
5.54	100.22	0.36	3.21	1.00	0.03	5.55	107.23	0.40	2.99	1.00	0.03
5.56	98.80	0.36	3.25	1.00	0.03	5.57	101.49	0.37	3.16	1.00	0.03
5.58	94.95	0.34	3.39	1.00	0.03	5.59	92.46	0.33	3.48	1.00	0.03
5.60	92.05	0.33	3.49	1.00	0.03	5.61	91.60	0.33	3.51	1.00	0.04
5.62	90.73	0.33	3.54	1.00	0.04	5.63	96.68	0.35	3.33	1.00	0.03
5.64	94.46	0.34	3.40	1.00	0.03	5.65	96.33	0.35	3.34	1.00	0.03
5.66	99.66	0.36	3.22	1.00	0.03	5.67	98.54	0.36	3.26	1.00	0.03
5.68	97.38	0.35	3.30	1.00	0.03	5.69	100.76	0.37	3.19	1.00	0.03
5.70	109.84	0.41	2.92	1.00	0.03	5.71	81.49	0.30	3.94	1.00	0.04
5.72	84.83	0.31	3.79	1.00	0.04	5.73	87.10	0.31	3.69	1.00	0.04
5.74	83.51	0.30	3.85	1.00	0.04	5.75	83.06	0.30	3.87	1.00	0.04
5.76	82.79	0.30	3.88	1.00	0.04	5.77	85.70	0.31	3.75	1.00	0.04
5.78	81.25	0.29	3.95	1.00	0.04	5.79	83.34	0.30	3.85	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	83.75	0.30	3.83	1.00	0.04	5.81	82.26	0.30	3.90	1.00	0.04
5.82	84.74	0.30	3.79	1.00	0.04	5.83	86.15	0.31	3.73	1.00	0.04
5.84	82.45	0.30	3.89	1.00	0.04	5.85	81.76	0.30	3.93	1.00	0.04
5.86	82.53	0.30	3.89	1.00	0.04	5.87	86.88	0.31	3.70	1.00	0.04
5.88	88.54	0.32	3.63	1.00	0.04	5.89	100.00	0.36	3.21	1.00	0.03
5.90	106.55	0.39	3.01	1.00	0.03	5.91	105.62	0.39	3.04	1.00	0.03
5.92	100.75	0.36	3.19	1.00	0.03	5.93	100.45	0.36	3.20	1.00	0.03
5.94	97.99	0.35	3.28	1.00	0.03	5.95	99.60	0.36	3.23	1.00	0.03
5.96	101.28	0.37	3.17	1.00	0.03	5.97	101.01	0.36	3.18	1.00	0.03
5.98	97.41	0.35	3.30	1.00	0.03	5.99	100.94	0.36	3.18	1.00	0.03
6.00	97.96	0.35	3.28	1.00	0.03	6.01	99.44	0.36	3.23	1.00	0.03
6.02	98.18	0.35	3.27	1.00	0.03	6.03	99.41	0.36	3.23	1.00	0.03
6.04	97.99	0.35	3.28	1.00	0.03	6.05	101.40	0.37	3.17	1.00	0.03
6.06	102.93	0.37	3.12	1.00	0.03	6.07	101.01	0.36	3.18	1.00	0.03
6.08	100.13	0.36	3.21	1.00	0.03	6.09	105.22	0.38	3.05	1.00	0.03
6.10	102.01	0.37	3.15	1.00	0.03	6.11	102.75	0.37	3.12	1.00	0.03
6.12	102.35	0.37	3.14	1.00	0.03	6.13	103.00	0.37	3.12	1.00	0.03
6.14	98.58	0.35	3.26	1.00	0.03	6.15	101.79	0.37	3.16	1.00	0.03
6.16	102.24	0.37	3.14	1.00	0.03	6.17	98.11	0.35	3.28	1.00	0.03
6.18	102.30	0.37	3.14	1.00	0.03	6.19	99.95	0.36	3.21	1.00	0.03
6.20	99.33	0.36	3.24	1.00	0.03	6.21	99.95	0.36	3.21	1.00	0.03
6.22	99.55	0.36	3.23	1.00	0.03	6.23	96.35	0.34	3.34	1.00	0.03
6.24	94.80	0.34	3.39	1.00	0.03	6.25	97.96	0.35	3.28	1.00	0.03
6.26	98.81	0.35	3.25	1.00	0.03	6.27	99.25	0.35	3.24	1.00	0.03
6.28	99.12	0.35	3.24	1.00	0.03	6.29	99.53	0.36	3.23	1.00	0.03
6.30	96.48	0.34	3.33	1.00	0.03	6.31	103.01	0.37	3.12	1.00	0.03
6.32	97.87	0.35	3.28	1.00	0.03	6.33	104.45	0.38	3.07	1.00	0.03
6.34	94.75	0.34	3.39	1.00	0.03	6.35	101.67	0.36	3.16	1.00	0.03
6.36	100.67	0.36	3.19	1.00	0.03	6.37	97.88	0.35	3.28	1.00	0.03
6.38	101.60	0.36	3.16	1.00	0.03	6.39	97.86	0.35	3.28	1.00	0.03
6.40	99.23	0.35	3.24	1.00	0.03	6.41	100.61	0.36	3.19	1.00	0.03
6.42	101.41	0.36	3.17	1.00	0.03	6.43	106.16	0.39	3.02	1.00	0.03
6.44	107.64	0.39	2.98	1.00	0.03	6.45	108.94	0.40	2.94	1.00	0.03
6.46	109.09	0.40	2.94	1.00	0.03	6.47	107.25	0.39	2.99	1.00	0.03
6.48	118.45	0.46	2.69	1.00	0.03	6.49	101.83	0.36	3.15	1.00	0.03
6.50	99.59	0.35	3.23	1.00	0.03	6.51	97.92	0.35	3.28	1.00	0.03
6.52	104.42	0.38	3.07	1.00	0.03	6.53	105.76	0.38	3.03	1.00	0.03
6.54	97.47	0.35	3.30	1.00	0.03	6.55	101.28	0.36	3.17	1.00	0.03
6.56	99.71	0.36	3.22	1.00	0.03	6.57	104.32	0.38	3.08	1.00	0.03
6.58	100.38	0.36	3.20	1.00	0.03	6.59	105.47	0.38	3.04	1.00	0.03
6.60	100.19	0.36	3.21	1.00	0.03	6.61	98.06	0.35	3.28	1.00	0.03
6.62	102.02	0.37	3.15	1.00	0.03	6.63	105.67	0.38	3.04	1.00	0.03
6.64	97.25	0.34	3.31	1.00	0.03	6.65	94.71	0.33	3.40	1.00	0.03
6.66	95.79	0.34	3.36	1.00	0.03	6.67	96.70	0.34	3.32	1.00	0.03
6.68	98.46	0.35	3.26	1.00	0.03	6.69	102.24	0.37	3.14	1.00	0.03
6.70	98.77	0.35	3.25	1.00	0.03	6.71	104.89	0.38	3.06	1.00	0.03
6.72	99.95	0.36	3.21	1.00	0.03	6.73	106.42	0.39	3.01	1.00	0.03
6.74	100.32	0.36	3.20	1.00	0.03	6.75	99.91	0.36	3.22	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	102.86	0.37	3.12	1.00	0.03	6.77	99.89	0.36	3.22	1.00	0.03
6.78	100.80	0.36	3.19	1.00	0.03	6.79	102.09	0.36	3.15	1.00	0.03
6.80	102.88	0.37	3.12	1.00	0.03	6.81	100.76	0.36	3.19	1.00	0.03
6.82	99.92	0.36	3.22	1.00	0.03	6.83	103.06	0.37	3.12	1.00	0.03
6.84	98.94	0.35	3.25	1.00	0.03	6.85	100.64	0.36	3.19	1.00	0.03
6.86	100.66	0.36	3.19	1.00	0.03	6.87	98.64	0.35	3.26	1.00	0.03
6.88	104.23	0.37	3.08	1.00	0.03	6.89	99.34	0.35	3.23	1.00	0.03
6.90	97.79	0.35	3.29	1.00	0.03	6.91	100.95	0.36	3.18	1.00	0.03
6.92	90.64	0.32	3.55	1.00	0.04	6.93	87.83	0.31	3.66	1.00	0.04
6.94	93.64	0.33	3.43	1.00	0.03	6.95	91.06	0.32	3.53	1.00	0.04
6.96	87.82	0.31	3.66	1.00	0.04	6.97	86.34	0.30	3.72	1.00	0.04
6.98	94.38	0.33	3.41	1.00	0.03	6.99	92.71	0.33	3.47	1.00	0.03
7.00	89.66	0.32	3.59	1.00	0.04	7.01	95.96	0.34	3.35	1.00	0.03
7.02	94.19	0.33	3.41	1.00	0.03	7.03	92.03	0.32	3.49	1.00	0.03
7.04	88.77	0.31	3.62	1.00	0.04	7.05	98.26	0.35	3.27	1.00	0.03
7.06	90.01	0.32	3.57	1.00	0.04	7.07	88.80	0.31	3.62	1.00	0.04
7.08	85.44	0.30	3.76	1.00	0.04	7.09	85.41	0.30	3.76	1.00	0.04
7.10	79.57	0.28	4.03	1.00	0.04	7.11	21.21	2.00	0.00	1.00	0.00
7.12	20.09	2.00	0.00	1.00	0.00	7.13	17.87	2.00	0.00	1.00	0.00
7.14	16.75	2.00	0.00	1.00	0.00	7.15	14.54	2.00	0.00	1.00	0.00
7.16	15.63	2.00	0.00	1.00	0.00	7.17	14.52	2.00	0.00	1.00	0.00
7.18	16.71	2.00	0.00	1.00	0.00	7.19	13.40	2.00	0.00	1.00	0.00
7.20	18.89	2.00	0.00	1.00	0.00	7.21	16.69	2.00	0.00	1.00	0.00
7.22	18.88	2.00	0.00	1.00	0.00	7.23	17.77	2.00	0.00	1.00	0.00
7.24	18.86	2.00	0.00	1.00	0.00	7.25	19.95	2.00	0.00	1.00	0.00
7.26	77.15	0.28	4.15	1.00	0.04	7.27	103.96	0.37	3.09	1.00	0.03
7.28	96.74	0.34	3.32	1.00	0.03	7.29	94.52	0.33	3.40	1.00	0.03
7.30	97.66	0.34	3.29	1.00	0.03	7.31	99.11	0.35	3.24	1.00	0.03
7.32	99.91	0.35	3.22	1.00	0.03	7.33	99.59	0.35	3.23	1.00	0.03
7.34	102.08	0.36	3.15	1.00	0.03	7.35	100.48	0.36	3.20	1.00	0.03
7.36	97.21	0.34	3.31	1.00	0.03	7.37	107.68	0.39	2.98	1.00	0.03
7.38	101.50	0.36	3.16	1.00	0.03	7.39	97.84	0.34	3.29	1.00	0.03
7.40	103.93	0.37	3.09	1.00	0.03	7.41	99.24	0.35	3.24	1.00	0.03
7.42	97.77	0.34	3.29	1.00	0.03	7.43	103.78	0.37	3.09	1.00	0.03
7.44	101.66	0.36	3.16	1.00	0.03	7.45	106.22	0.38	3.02	1.00	0.03
7.46	98.18	0.35	3.27	1.00	0.03	7.47	102.56	0.36	3.13	1.00	0.03
7.48	100.82	0.36	3.19	1.00	0.03	7.49	101.00	0.36	3.18	1.00	0.03
7.50	100.30	0.35	3.20	1.00	0.03	7.51	123.14	0.49	2.58	1.00	0.03
7.52	53.60	0.23	5.78	1.00	0.06	7.53	5.51	2.00	0.00	1.00	0.00
7.54	6.60	2.00	0.00	1.00	0.00	7.55	4.41	2.00	0.00	1.00	0.00
7.56	5.50	2.00	0.00	1.00	0.00	7.57	2.21	2.00	0.00	1.00	0.00
7.58	4.40	2.00	0.00	1.00	0.00	7.59	6.59	2.00	0.00	1.00	0.00
7.60	8.76	2.00	0.00	1.00	0.00	7.61	7.67	2.00	0.00	1.00	0.00
7.62	6.58	2.00	0.00	1.00	0.00	7.63	5.48	2.00	0.00	1.00	0.00
7.64	7.66	2.00	0.00	1.00	0.00	7.65	6.57	2.00	0.00	1.00	0.00
7.66	5.47	2.00	0.00	1.00	0.00	7.67	5.47	2.00	0.00	1.00	0.00
7.68	11.98	2.00	0.00	1.00	0.00	7.69	14.13	2.00	0.00	1.00	0.00
7.70	13.04	2.00	0.00	1.00	0.00	7.71	14.11	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	13.03	2.00	0.00	1.00	0.00	7.73	14.10	2.00	0.00	1.00	0.00
7.74	13.01	2.00	0.00	1.00	0.00	7.75	10.85	2.00	0.00	1.00	0.00
7.76	14.07	2.00	0.00	1.00	0.00	7.77	12.99	2.00	0.00	1.00	0.00
7.78	14.06	2.00	0.00	1.00	0.00	7.79	12.98	2.00	0.00	1.00	0.00
7.80	11.90	2.00	0.00	1.00	0.00	7.81	17.24	2.00	0.00	1.00	0.00
7.82	16.17	2.00	0.00	1.00	0.00	7.83	18.29	2.00	0.00	1.00	0.00
7.84	16.15	2.00	0.00	1.00	0.00	7.85	15.07	2.00	0.00	1.00	0.00
7.86	16.13	2.00	0.00	1.00	0.00	7.87	17.19	2.00	0.00	1.00	0.00
7.88	18.24	2.00	0.00	1.00	0.00	7.89	19.30	2.00	0.00	1.00	0.00
7.90	18.22	2.00	0.00	1.00	0.00	7.91	17.15	2.00	0.00	1.00	0.00
7.92	19.27	2.00	0.00	1.00	0.00	7.93	20.32	2.00	0.00	1.00	0.00
7.94	18.19	2.00	0.00	1.00	0.00	7.95	17.12	2.00	0.00	1.00	0.00
7.96	18.17	2.00	0.00	1.00	0.00	7.97	19.22	2.00	0.00	1.00	0.00
7.98	18.15	2.00	0.00	1.00	0.00	7.99	19.20	2.00	0.00	1.00	0.00
8.00	20.24	2.00	0.00	1.00	0.00	8.01	20.23	2.00	0.00	1.00	0.00
8.02	19.17	2.00	0.00	1.00	0.00	8.03	19.16	2.00	0.00	1.00	0.00
8.04	18.09	2.00	0.00	1.00	0.00	8.05	17.02	2.00	0.00	1.00	0.00
8.06	15.96	2.00	0.00	1.00	0.00	8.07	15.95	2.00	0.00	1.00	0.00
8.08	15.94	2.00	0.00	1.00	0.00	8.09	14.88	2.00	0.00	1.00	0.00
8.10	14.87	2.00	0.00	1.00	0.00	8.11	15.92	2.00	0.00	1.00	0.00
8.12	15.91	2.00	0.00	1.00	0.00	8.13	16.96	2.00	0.00	1.00	0.00
8.14	18.00	2.00	0.00	1.00	0.00	8.15	17.99	2.00	0.00	1.00	0.00
8.16	17.98	2.00	0.00	1.00	0.00	8.17	17.97	2.00	0.00	1.00	0.00
8.18	17.97	2.00	0.00	1.00	0.00	8.19	17.96	2.00	0.00	1.00	0.00
8.20	16.90	2.00	0.00	1.00	0.00	8.21	15.84	2.00	0.00	1.00	0.00
8.22	15.83	2.00	0.00	1.00	0.00	8.23	14.78	2.00	0.00	1.00	0.00
8.24	14.77	2.00	0.00	1.00	0.00	8.25	15.81	2.00	0.00	1.00	0.00
8.26	15.80	2.00	0.00	1.00	0.00	8.27	15.79	2.00	0.00	1.00	0.00
8.28	15.79	2.00	0.00	1.00	0.00	8.29	15.78	2.00	0.00	1.00	0.00
8.30	15.77	2.00	0.00	1.00	0.00	8.31	15.76	2.00	0.00	1.00	0.00
8.32	16.80	2.00	0.00	1.00	0.00	8.33	16.79	2.00	0.00	1.00	0.00
8.34	16.78	2.00	0.00	1.00	0.00	8.35	16.77	2.00	0.00	1.00	0.00
8.36	16.77	2.00	0.00	1.00	0.00	8.37	17.80	2.00	0.00	1.00	0.00
8.38	17.79	2.00	0.00	1.00	0.00	8.39	17.78	2.00	0.00	1.00	0.00
8.40	16.73	2.00	0.00	1.00	0.00	8.41	16.72	2.00	0.00	1.00	0.00
8.42	17.75	2.00	0.00	1.00	0.00	8.43	17.74	2.00	0.00	1.00	0.00
8.44	17.73	2.00	0.00	1.00	0.00	8.45	16.69	2.00	0.00	1.00	0.00
8.46	16.68	2.00	0.00	1.00	0.00	8.47	16.67	2.00	0.00	1.00	0.00
8.48	16.66	2.00	0.00	1.00	0.00	8.49	16.65	2.00	0.00	1.00	0.00
8.50	16.65	2.00	0.00	1.00	0.00	8.51	16.64	2.00	0.00	1.00	0.00
8.52	16.63	2.00	0.00	1.00	0.00	8.53	16.62	2.00	0.00	1.00	0.00
8.54	16.61	2.00	0.00	1.00	0.00	8.55	15.57	2.00	0.00	1.00	0.00
8.56	15.56	2.00	0.00	1.00	0.00	8.57	15.56	2.00	0.00	1.00	0.00
8.58	14.52	2.00	0.00	1.00	0.00	8.59	14.51	2.00	0.00	1.00	0.00
8.60	14.50	2.00	0.00	1.00	0.00	8.61	14.49	2.00	0.00	1.00	0.00
8.62	14.49	2.00	0.00	1.00	0.00	8.63	13.45	2.00	0.00	1.00	0.00
8.64	13.44	2.00	0.00	1.00	0.00	8.65	14.47	2.00	0.00	1.00	0.00
8.66	14.46	2.00	0.00	1.00	0.00	8.67	14.45	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	14.45	2.00	0.00	1.00	0.00	8.69	14.44	2.00	0.00	1.00	0.00
8.70	14.43	2.00	0.00	1.00	0.00	8.71	14.43	2.00	0.00	1.00	0.00
8.72	15.44	2.00	0.00	1.00	0.00	8.73	15.44	2.00	0.00	1.00	0.00
8.74	15.43	2.00	0.00	1.00	0.00	8.75	15.42	2.00	0.00	1.00	0.00
8.76	15.42	2.00	0.00	1.00	0.00	8.77	16.43	2.00	0.00	1.00	0.00
8.78	16.42	2.00	0.00	1.00	0.00	8.79	17.44	2.00	0.00	1.00	0.00
8.80	16.41	2.00	0.00	1.00	0.00	8.81	15.38	2.00	0.00	1.00	0.00
8.82	15.37	2.00	0.00	1.00	0.00	8.83	15.36	2.00	0.00	1.00	0.00
8.84	15.36	2.00	0.00	1.00	0.00	8.85	15.35	2.00	0.00	1.00	0.00
8.86	15.34	2.00	0.00	1.00	0.00	8.87	15.33	2.00	0.00	1.00	0.00
8.88	15.33	2.00	0.00	1.00	0.00	8.89	15.32	2.00	0.00	1.00	0.00
8.90	15.31	2.00	0.00	1.00	0.00	8.91	15.30	2.00	0.00	1.00	0.00
8.92	14.28	2.00	0.00	1.00	0.00	8.93	14.27	2.00	0.00	1.00	0.00
8.94	14.26	2.00	0.00	1.00	0.00	8.95	14.26	2.00	0.00	1.00	0.00
8.96	14.25	2.00	0.00	1.00	0.00	8.97	14.24	2.00	0.00	1.00	0.00
8.98	15.25	2.00	0.00	1.00	0.00	8.99	15.24	2.00	0.00	1.00	0.00
9.00	15.24	2.00	0.00	1.00	0.00	9.01	15.23	2.00	0.00	1.00	0.00
9.02	15.22	2.00	0.00	1.00	0.00	9.03	15.21	2.00	0.00	1.00	0.00
9.04	16.22	2.00	0.00	1.00	0.00	9.05	15.20	2.00	0.00	1.00	0.00
9.06	15.19	2.00	0.00	1.00	0.00	9.07	15.18	2.00	0.00	1.00	0.00
9.08	15.18	2.00	0.00	1.00	0.00	9.09	15.17	2.00	0.00	1.00	0.00
9.10	15.16	2.00	0.00	1.00	0.00	9.11	15.16	2.00	0.00	1.00	0.00
9.12	15.15	2.00	0.00	1.00	0.00	9.13	15.14	2.00	0.00	1.00	0.00
9.14	15.13	2.00	0.00	1.00	0.00	9.15	15.13	2.00	0.00	1.00	0.00
9.16	15.12	2.00	0.00	1.00	0.00	9.17	15.11	2.00	0.00	1.00	0.00
9.18	15.11	2.00	0.00	1.00	0.00	9.19	15.10	2.00	0.00	1.00	0.00
9.20	15.09	2.00	0.00	1.00	0.00	9.21	15.09	2.00	0.00	1.00	0.00
9.22	15.08	2.00	0.00	1.00	0.00	9.23	15.07	2.00	0.00	1.00	0.00
9.24	15.06	2.00	0.00	1.00	0.00	9.25	15.06	2.00	0.00	1.00	0.00
9.26	15.05	2.00	0.00	1.00	0.00	9.27	15.04	2.00	0.00	1.00	0.00
9.28	15.04	2.00	0.00	1.00	0.00	9.29	14.03	2.00	0.00	1.00	0.00
9.30	14.02	2.00	0.00	1.00	0.00	9.31	14.02	2.00	0.00	1.00	0.00
9.32	14.01	2.00	0.00	1.00	0.00	9.33	14.00	2.00	0.00	1.00	0.00
9.34	14.00	2.00	0.00	1.00	0.00	9.35	13.99	2.00	0.00	1.00	0.00
9.36	13.98	2.00	0.00	1.00	0.00	9.37	14.97	2.00	0.00	1.00	0.00
9.38	14.97	2.00	0.00	1.00	0.00	9.39	14.96	2.00	0.00	1.00	0.00
9.40	14.95	2.00	0.00	1.00	0.00	9.41	14.95	2.00	0.00	1.00	0.00
9.42	15.93	2.00	0.00	1.00	0.00	9.43	15.93	2.00	0.00	1.00	0.00
9.44	15.92	2.00	0.00	1.00	0.00	9.45	15.91	2.00	0.00	1.00	0.00
9.46	16.90	2.00	0.00	1.00	0.00	9.47	15.90	2.00	0.00	1.00	0.00
9.48	15.89	2.00	0.00	1.00	0.00	9.49	15.88	2.00	0.00	1.00	0.00
9.50	15.88	2.00	0.00	1.00	0.00	9.51	15.87	2.00	0.00	1.00	0.00
9.52	15.86	2.00	0.00	1.00	0.00	9.53	15.85	2.00	0.00	1.00	0.00
9.54	15.85	2.00	0.00	1.00	0.00	9.55	15.84	2.00	0.00	1.00	0.00
9.56	15.83	2.00	0.00	1.00	0.00	9.57	15.83	2.00	0.00	1.00	0.00
9.58	15.82	2.00	0.00	1.00	0.00	9.59	15.81	2.00	0.00	1.00	0.00
9.60	15.80	2.00	0.00	1.00	0.00	9.61	15.80	2.00	0.00	1.00	0.00
9.62	15.79	2.00	0.00	1.00	0.00	9.63	15.78	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
9.64	15.78	2.00	0.00	1.00	0.00	9.65	16.75	2.00	0.00	1.00	0.00
9.66	16.75	2.00	0.00	1.00	0.00	9.67	16.74	2.00	0.00	1.00	0.00
9.68	16.73	2.00	0.00	1.00	0.00	9.69	16.72	2.00	0.00	1.00	0.00
9.70	16.72	2.00	0.00	1.00	0.00	9.71	16.71	2.00	0.00	1.00	0.00
9.72	16.70	2.00	0.00	1.00	0.00	9.73	16.69	2.00	0.00	1.00	0.00
9.74	15.71	2.00	0.00	1.00	0.00	9.75	15.70	2.00	0.00	1.00	0.00
9.76	15.69	2.00	0.00	1.00	0.00	9.77	15.68	2.00	0.00	1.00	0.00
9.78	14.70	2.00	0.00	1.00	0.00	9.79	15.67	2.00	0.00	1.00	0.00
9.80	15.66	2.00	0.00	1.00	0.00	9.81	15.66	2.00	0.00	1.00	0.00
9.82	15.65	2.00	0.00	1.00	0.00	9.83	15.64	2.00	0.00	1.00	0.00
9.84	15.64	2.00	0.00	1.00	0.00	9.85	15.63	2.00	0.00	1.00	0.00
9.86	15.62	2.00	0.00	1.00	0.00	9.87	15.61	2.00	0.00	1.00	0.00
9.88	15.61	2.00	0.00	1.00	0.00	9.89	15.60	2.00	0.00	1.00	0.00
9.90	15.59	2.00	0.00	1.00	0.00	9.91	15.59	2.00	0.00	1.00	0.00
9.92	15.58	2.00	0.00	1.00	0.00	9.93	15.57	2.00	0.00	1.00	0.00
9.94	15.57	2.00	0.00	1.00	0.00	9.95	15.56	2.00	0.00	1.00	0.00
9.96	15.55	2.00	0.00	1.00	0.00	9.97	15.55	2.00	0.00	1.00	0.00
9.98	15.54	2.00	0.00	1.00	0.00	9.99	15.53	2.00	0.00	1.00	0.00
10.00	15.53	2.00	0.00	1.00	0.00	10.01	15.52	2.00	0.00	1.00	0.00
10.02	15.51	2.00	0.00	1.00	0.00	10.03	15.51	2.00	0.00	1.00	0.00
10.04	15.50	2.00	0.00	1.00	0.00	10.05	15.49	2.00	0.00	1.00	0.00
10.06	15.49	2.00	0.00	1.00	0.00	10.07	15.48	2.00	0.00	1.00	0.00
10.08	15.47	2.00	0.00	1.00	0.00	10.09	15.47	2.00	0.00	1.00	0.00
10.10	15.46	2.00	0.00	1.00	0.00	10.11	15.45	2.00	0.00	1.00	0.00
10.12	15.45	2.00	0.00	1.00	0.00	10.13	14.47	2.00	0.00	1.00	0.00
10.14	14.47	2.00	0.00	1.00	0.00	10.15	14.46	2.00	0.00	1.00	0.00
10.16	14.45	2.00	0.00	1.00	0.00	10.17	14.45	2.00	0.00	1.00	0.00
10.18	14.44	2.00	0.00	1.00	0.00	10.19	14.44	2.00	0.00	1.00	0.00
10.20	14.43	2.00	0.00	1.00	0.00	10.21	14.42	2.00	0.00	1.00	0.00
10.22	14.42	2.00	0.00	1.00	0.00	10.23	14.41	2.00	0.00	1.00	0.00
10.24	14.40	2.00	0.00	1.00	0.00	10.25	13.44	2.00	0.00	1.00	0.00
10.26	13.43	2.00	0.00	1.00	0.00	10.27	13.42	2.00	0.00	1.00	0.00
10.28	13.42	2.00	0.00	1.00	0.00	10.29	13.41	2.00	0.00	1.00	0.00
10.30	13.41	2.00	0.00	1.00	0.00	10.31	13.40	2.00	0.00	1.00	0.00
10.32	13.39	2.00	0.00	1.00	0.00	10.33	13.39	2.00	0.00	1.00	0.00
10.34	13.38	2.00	0.00	1.00	0.00	10.35	13.38	2.00	0.00	1.00	0.00
10.36	13.37	2.00	0.00	1.00	0.00	10.37	13.37	2.00	0.00	1.00	0.00
10.38	13.36	2.00	0.00	1.00	0.00	10.39	13.36	2.00	0.00	1.00	0.00
10.40	13.35	2.00	0.00	1.00	0.00	10.41	12.39	2.00	0.00	1.00	0.00
10.42	12.38	2.00	0.00	1.00	0.00	10.43	12.38	2.00	0.00	1.00	0.00
10.44	12.37	2.00	0.00	1.00	0.00	10.45	12.37	2.00	0.00	1.00	0.00
10.46	12.36	2.00	0.00	1.00	0.00	10.47	12.36	2.00	0.00	1.00	0.00
10.48	12.35	2.00	0.00	1.00	0.00	10.49	12.35	2.00	0.00	1.00	0.00
10.50	14.25	2.00	0.00	1.00	0.00	10.51	15.20	2.00	0.00	1.00	0.00
10.52	15.19	2.00	0.00	1.00	0.00	10.53	15.18	2.00	0.00	1.00	0.00
10.54	13.27	2.00	0.00	1.00	0.00	10.55	13.27	2.00	0.00	1.00	0.00
10.56	12.31	2.00	0.00	1.00	0.00	10.57	12.31	2.00	0.00	1.00	0.00
10.58	12.30	2.00	0.00	1.00	0.00	10.59	13.25	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	13.24	2.00	0.00	1.00	0.00	10.61	13.24	2.00	0.00	1.00	0.00
10.62	14.18	2.00	0.00	1.00	0.00	10.63	14.17	2.00	0.00	1.00	0.00
10.64	14.17	2.00	0.00	1.00	0.00	10.65	14.16	2.00	0.00	1.00	0.00
10.66	14.16	2.00	0.00	1.00	0.00	10.67	14.15	2.00	0.00	1.00	0.00
10.68	14.15	2.00	0.00	1.00	0.00	10.69	14.14	2.00	0.00	1.00	0.00
10.70	14.13	2.00	0.00	1.00	0.00	10.71	14.13	2.00	0.00	1.00	0.00
10.72	14.12	2.00	0.00	1.00	0.00	10.73	14.12	2.00	0.00	1.00	0.00
10.74	13.17	2.00	0.00	1.00	0.00	10.75	14.11	2.00	0.00	1.00	0.00
10.76	14.10	2.00	0.00	1.00	0.00	10.77	15.98	2.00	0.00	1.00	0.00
10.78	20.70	2.00	0.00	1.00	0.00	10.79	81.95	0.30	3.92	1.00	0.04
10.80	91.92	0.33	3.50	1.00	0.03	10.81	93.18	0.33	3.45	1.00	0.03
10.82	93.90	0.33	3.42	1.00	0.03	10.83	97.25	0.35	3.31	1.00	0.03
10.84	97.06	0.35	3.31	1.00	0.03	10.85	97.69	0.35	3.29	1.00	0.03
10.86	97.23	0.35	3.31	1.00	0.03	10.87	97.25	0.35	3.31	1.00	0.03
10.88	97.78	0.35	3.29	1.00	0.03	10.89	98.26	0.35	3.27	1.00	0.03
10.90	94.84	0.34	3.39	1.00	0.03	10.91	95.91	0.34	3.35	1.00	0.03
10.92	96.39	0.34	3.34	1.00	0.03	10.93	84.95	0.30	3.78	1.00	0.04
10.94	84.33	0.30	3.81	1.00	0.04	10.95	24.31	2.00	0.00	1.00	0.00
10.96	23.37	2.00	0.00	1.00	0.00	10.97	21.48	2.00	0.00	1.00	0.00
10.98	18.66	2.00	0.00	1.00	0.00	10.99	17.71	2.00	0.00	1.00	0.00
11.00	15.83	2.00	0.00	1.00	0.00	11.01	19.57	2.00	0.00	1.00	0.00
11.02	19.56	2.00	0.00	1.00	0.00	11.03	19.55	2.00	0.00	1.00	0.00
11.04	20.48	2.00	0.00	1.00	0.00	11.05	21.41	2.00	0.00	1.00	0.00
11.06	21.40	2.00	0.00	1.00	0.00	11.07	22.33	2.00	0.00	1.00	0.00
11.08	22.32	2.00	0.00	1.00	0.00	11.09	23.25	2.00	0.00	1.00	0.00
11.10	22.30	2.00	0.00	1.00	0.00	11.11	22.29	2.00	0.00	1.00	0.00
11.12	22.28	2.00	0.00	1.00	0.00	11.13	23.21	2.00	0.00	1.00	0.00
11.14	23.20	2.00	0.00	1.00	0.00	11.15	22.26	2.00	0.00	1.00	0.00
11.16	23.18	2.00	0.00	1.00	0.00	11.17	23.17	2.00	0.00	1.00	0.00
11.18	23.16	2.00	0.00	1.00	0.00	11.19	23.15	2.00	0.00	1.00	0.00
11.20	24.08	2.00	0.00	1.00	0.00	11.21	24.07	2.00	0.00	1.00	0.00
11.22	24.06	2.00	0.00	1.00	0.00	11.23	24.05	2.00	0.00	1.00	0.00
11.24	24.04	2.00	0.00	1.00	0.00	11.25	24.03	2.00	0.00	1.00	0.00
11.26	23.09	2.00	0.00	1.00	0.00	11.27	22.15	2.00	0.00	1.00	0.00
11.28	22.14	2.00	0.00	1.00	0.00	11.29	22.13	2.00	0.00	1.00	0.00
11.30	22.12	2.00	0.00	1.00	0.00	11.31	21.18	2.00	0.00	1.00	0.00
11.32	20.24	2.00	0.00	1.00	0.00	11.33	20.23	2.00	0.00	1.00	0.00
11.34	19.30	2.00	0.00	1.00	0.00	11.35	19.29	2.00	0.00	1.00	0.00
11.36	19.28	2.00	0.00	1.00	0.00	11.37	19.27	2.00	0.00	1.00	0.00
11.38	19.26	2.00	0.00	1.00	0.00	11.39	20.18	2.00	0.00	1.00	0.00
11.40	18.32	2.00	0.00	1.00	0.00	11.41	18.31	2.00	0.00	1.00	0.00
11.42	18.31	2.00	0.00	1.00	0.00	11.43	20.15	2.00	0.00	1.00	0.00
11.44	19.21	2.00	0.00	1.00	0.00	11.45	20.13	2.00	0.00	1.00	0.00
11.46	19.20	2.00	0.00	1.00	0.00	11.47	19.19	2.00	0.00	1.00	0.00
11.48	19.18	2.00	0.00	1.00	0.00	11.49	18.25	2.00	0.00	1.00	0.00
11.50	17.32	2.00	0.00	1.00	0.00	11.51	17.32	2.00	0.00	1.00	0.00
11.52	18.23	2.00	0.00	1.00	0.00	11.53	17.30	2.00	0.00	1.00	0.00
11.54	16.38	2.00	0.00	1.00	0.00	11.55	16.37	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	16.36	2.00	0.00	1.00	0.00	11.57	16.36	2.00	0.00	1.00	0.00
11.58	16.35	2.00	0.00	1.00	0.00	11.59	16.34	2.00	0.00	1.00	0.00
11.60	17.25	2.00	0.00	1.00	0.00	11.61	17.25	2.00	0.00	1.00	0.00
11.62	18.15	2.00	0.00	1.00	0.00	11.63	19.98	2.00	0.00	1.00	0.00
11.64	18.14	2.00	0.00	1.00	0.00	11.65	18.13	2.00	0.00	1.00	0.00
11.66	17.21	2.00	0.00	1.00	0.00	11.67	18.12	2.00	0.00	1.00	0.00
11.68	17.19	2.00	0.00	1.00	0.00	11.69	17.19	2.00	0.00	1.00	0.00
11.70	17.18	2.00	0.00	1.00	0.00	11.71	17.17	2.00	0.00	1.00	0.00
11.72	17.17	2.00	0.00	1.00	0.00	11.73	17.16	2.00	0.00	1.00	0.00
11.74	17.15	2.00	0.00	1.00	0.00	11.75	17.15	2.00	0.00	1.00	0.00
11.76	17.14	2.00	0.00	1.00	0.00	11.77	17.13	2.00	0.00	1.00	0.00
11.78	17.13	2.00	0.00	1.00	0.00	11.79	17.12	2.00	0.00	1.00	0.00
11.80	17.11	2.00	0.00	1.00	0.00	11.81	17.11	2.00	0.00	1.00	0.00
11.82	17.10	2.00	0.00	1.00	0.00	11.83	17.09	2.00	0.00	1.00	0.00
11.84	17.09	2.00	0.00	1.00	0.00	11.85	17.08	2.00	0.00	1.00	0.00
11.86	17.08	2.00	0.00	1.00	0.00	11.87	17.98	2.00	0.00	1.00	0.00
11.88	17.06	2.00	0.00	1.00	0.00	11.89	17.06	2.00	0.00	1.00	0.00
11.90	17.05	2.00	0.00	1.00	0.00	11.91	17.04	2.00	0.00	1.00	0.00
11.92	17.04	2.00	0.00	1.00	0.00	11.93	17.03	2.00	0.00	1.00	0.00
11.94	17.02	2.00	0.00	1.00	0.00	11.95	17.92	2.00	0.00	1.00	0.00
11.96	18.81	2.00	0.00	1.00	0.00	11.97	18.81	2.00	0.00	1.00	0.00
11.98	19.70	2.00	0.00	1.00	0.00	11.99	19.70	2.00	0.00	1.00	0.00
12.00	19.69	2.00	0.00	1.00	0.00	12.01	18.78	2.00	0.00	1.00	0.00
12.02	18.77	2.00	0.00	1.00	0.00	12.03	18.77	2.00	0.00	1.00	0.00
12.04	17.86	2.00	0.00	1.00	0.00	12.05	16.95	2.00	0.00	1.00	0.00
12.06	16.04	2.00	0.00	1.00	0.00	12.07	16.03	2.00	0.00	1.00	0.00
12.08	16.03	2.00	0.00	1.00	0.00	12.09	16.02	2.00	0.00	1.00	0.00
12.10	16.02	2.00	0.00	1.00	0.00	12.11	16.01	2.00	0.00	1.00	0.00
12.12	16.00	2.00	0.00	1.00	0.00	12.13	16.00	2.00	0.00	1.00	0.00
12.14	15.99	2.00	0.00	1.00	0.00	12.15	16.88	2.00	0.00	1.00	0.00
12.16	16.88	2.00	0.00	1.00	0.00	12.17	16.87	2.00	0.00	1.00	0.00
12.18	16.86	2.00	0.00	1.00	0.00	12.19	16.86	2.00	0.00	1.00	0.00
12.20	16.85	2.00	0.00	1.00	0.00	12.21	16.84	2.00	0.00	1.00	0.00
12.22	16.84	2.00	0.00	1.00	0.00	12.23	16.83	2.00	0.00	1.00	0.00
12.24	17.72	2.00	0.00	1.00	0.00	12.25	18.61	2.00	0.00	1.00	0.00
12.26	18.60	2.00	0.00	1.00	0.00	12.27	19.49	2.00	0.00	1.00	0.00
12.28	19.48	2.00	0.00	1.00	0.00	12.29	17.68	2.00	0.00	1.00	0.00
12.30	17.68	2.00	0.00	1.00	0.00	12.31	17.67	2.00	0.00	1.00	0.00
12.32	16.77	2.00	0.00	1.00	0.00	12.33	15.87	2.00	0.00	1.00	0.00
12.34	15.87	2.00	0.00	1.00	0.00	12.35	15.86	2.00	0.00	1.00	0.00
12.36	15.86	2.00	0.00	1.00	0.00	12.37	14.96	2.00	0.00	1.00	0.00
12.38	14.95	2.00	0.00	1.00	0.00	12.39	14.95	2.00	0.00	1.00	0.00
12.40	14.94	2.00	0.00	1.00	0.00	12.41	14.94	2.00	0.00	1.00	0.00
12.42	14.93	2.00	0.00	1.00	0.00	12.43	14.93	2.00	0.00	1.00	0.00
12.44	14.92	2.00	0.00	1.00	0.00	12.45	15.80	2.00	0.00	1.00	0.00
12.46	16.68	2.00	0.00	1.00	0.00	12.47	16.68	2.00	0.00	1.00	0.00
12.48	16.67	2.00	0.00	1.00	0.00	12.49	16.66	2.00	0.00	1.00	0.00
12.50	15.77	2.00	0.00	1.00	0.00	12.51	15.77	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
12.52	15.76	2.00	0.00	1.00	0.00	12.53	14.87	2.00	0.00	1.00	0.00
12.54	14.87	2.00	0.00	1.00	0.00	12.55	14.86	2.00	0.00	1.00	0.00
12.56	13.97	2.00	0.00	1.00	0.00	12.57	13.97	2.00	0.00	1.00	0.00
12.58	13.96	2.00	0.00	1.00	0.00	12.59	13.96	2.00	0.00	1.00	0.00
12.60	13.95	2.00	0.00	1.00	0.00	12.61	13.95	2.00	0.00	1.00	0.00
12.62	14.82	2.00	0.00	1.00	0.00	12.63	14.81	2.00	0.00	1.00	0.00
12.64	15.69	2.00	0.00	1.00	0.00	12.65	15.68	2.00	0.00	1.00	0.00
12.66	15.68	2.00	0.00	1.00	0.00	12.67	15.67	2.00	0.00	1.00	0.00
12.68	15.66	2.00	0.00	1.00	0.00	12.69	14.78	2.00	0.00	1.00	0.00
12.70	14.78	2.00	0.00	1.00	0.00	12.71	14.77	2.00	0.00	1.00	0.00
12.72	13.89	2.00	0.00	1.00	0.00	12.73	13.89	2.00	0.00	1.00	0.00
12.74	13.88	2.00	0.00	1.00	0.00	12.75	14.75	2.00	0.00	1.00	0.00
12.76	14.75	2.00	0.00	1.00	0.00	12.77	14.74	2.00	0.00	1.00	0.00
12.78	15.61	2.00	0.00	1.00	0.00	12.79	15.61	2.00	0.00	1.00	0.00
12.80	15.60	2.00	0.00	1.00	0.00	12.81	15.60	2.00	0.00	1.00	0.00
12.82	14.72	2.00	0.00	1.00	0.00	12.83	14.71	2.00	0.00	1.00	0.00
12.84	14.71	2.00	0.00	1.00	0.00	12.85	14.70	2.00	0.00	1.00	0.00
12.86	15.57	2.00	0.00	1.00	0.00	12.87	16.44	2.00	0.00	1.00	0.00
12.88	16.43	2.00	0.00	1.00	0.00	12.89	15.55	2.00	0.00	1.00	0.00
12.90	15.55	2.00	0.00	1.00	0.00	12.91	15.54	2.00	0.00	1.00	0.00
12.92	18.16	2.00	0.00	1.00	0.00	12.93	17.27	2.00	0.00	1.00	0.00
12.94	17.27	2.00	0.00	1.00	0.00	12.95	17.27	2.00	0.00	1.00	0.00
12.96	17.26	2.00	0.00	1.00	0.00	12.97	17.25	2.00	0.00	1.00	0.00
12.98	17.25	2.00	0.00	1.00	0.00	12.99	16.37	2.00	0.00	1.00	0.00
13.00	16.37	2.00	0.00	1.00	0.00	13.01	16.36	2.00	0.00	1.00	0.00
13.02	15.49	2.00	0.00	1.00	0.00	13.03	15.48	2.00	0.00	1.00	0.00
13.04	15.47	2.00	0.00	1.00	0.00	13.05	15.47	2.00	0.00	1.00	0.00
13.06	14.59	2.00	0.00	1.00	0.00	13.07	14.59	2.00	0.00	1.00	0.00
13.08	14.58	2.00	0.00	1.00	0.00	13.09	14.58	2.00	0.00	1.00	0.00
13.10	14.57	2.00	0.00	1.00	0.00	13.11	14.57	2.00	0.00	1.00	0.00
13.12	14.56	2.00	0.00	1.00	0.00	13.13	14.56	2.00	0.00	1.00	0.00
13.14	14.55	2.00	0.00	1.00	0.00	13.15	15.41	2.00	0.00	1.00	0.00
13.16	15.41	2.00	0.00	1.00	0.00	13.17	15.40	2.00	0.00	1.00	0.00
13.18	17.13	2.00	0.00	1.00	0.00	13.19	17.12	2.00	0.00	1.00	0.00
13.20	31.49	0.20	8.88	1.00	0.09	13.21	254.00	2.00	0.00	1.00	0.00

**Total estimated settlement: 12.53**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

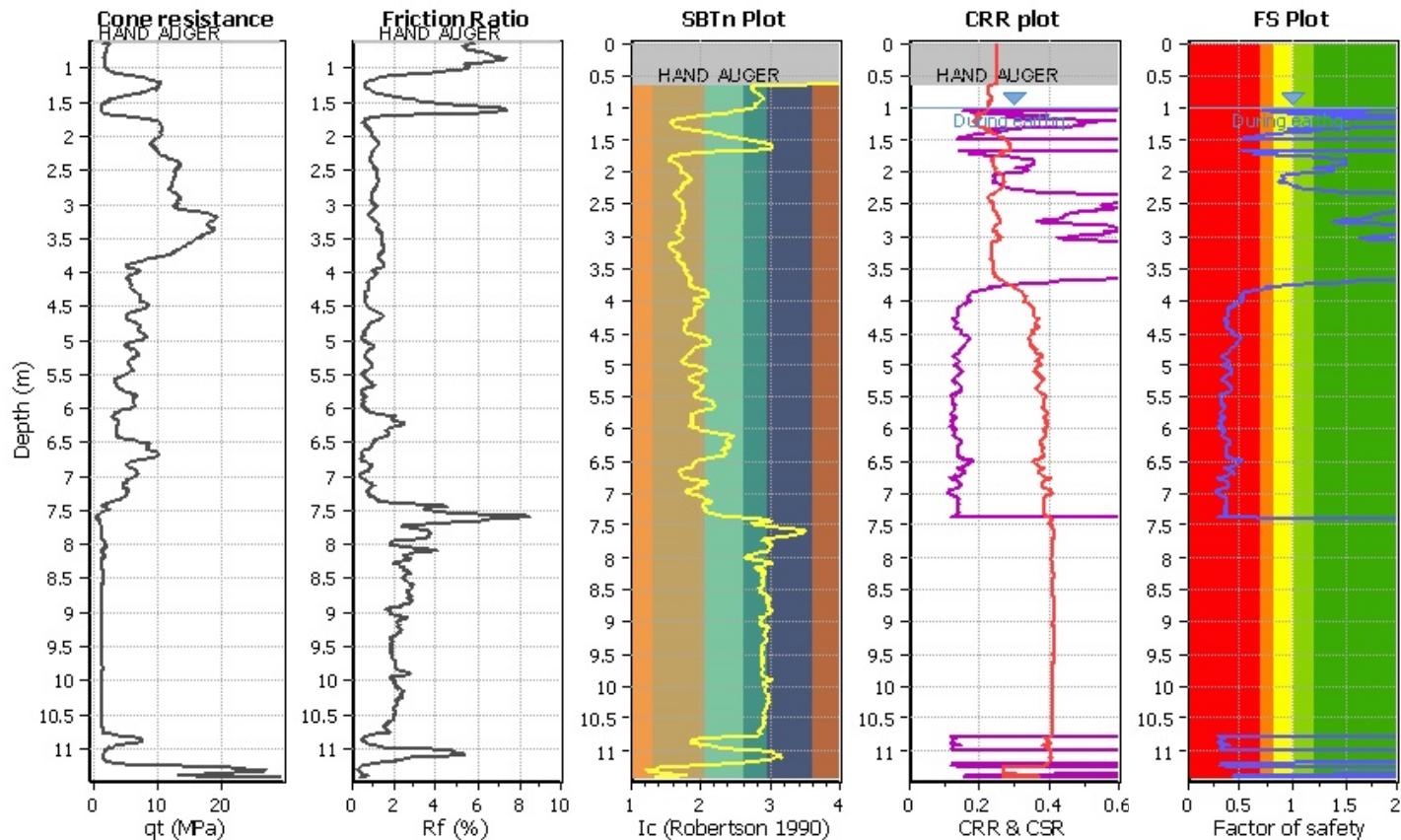
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

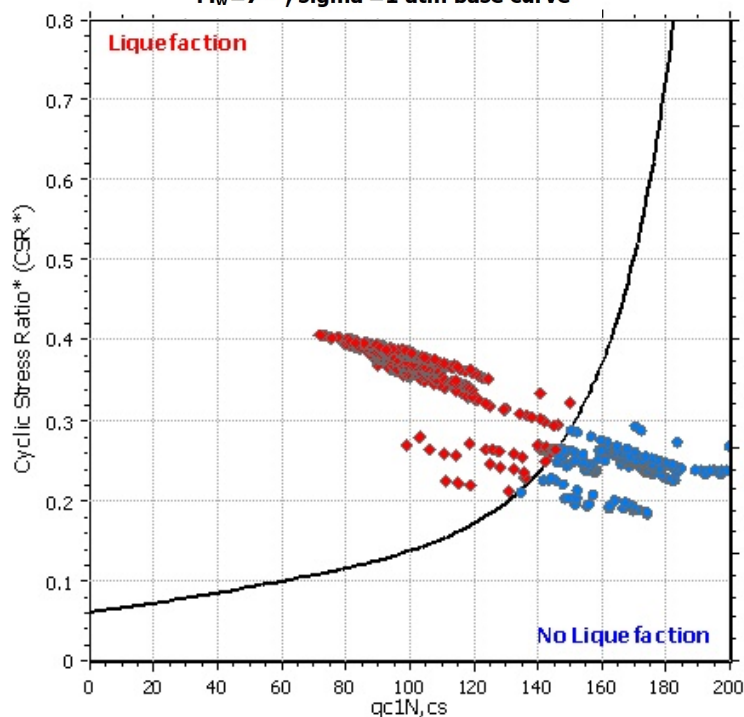
**CPT file : CPTU-02-2019**

**Input parameters and analysis data**

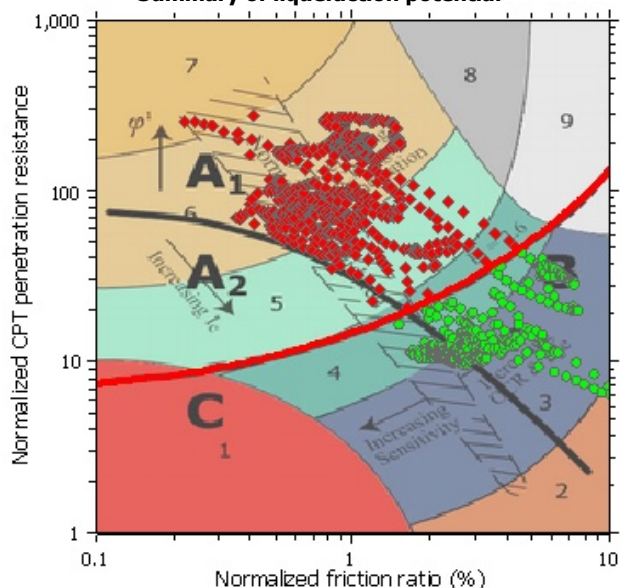
Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



$M_w=7^{1/2}$ ,  $\sigma_v = 1$  atm base curve

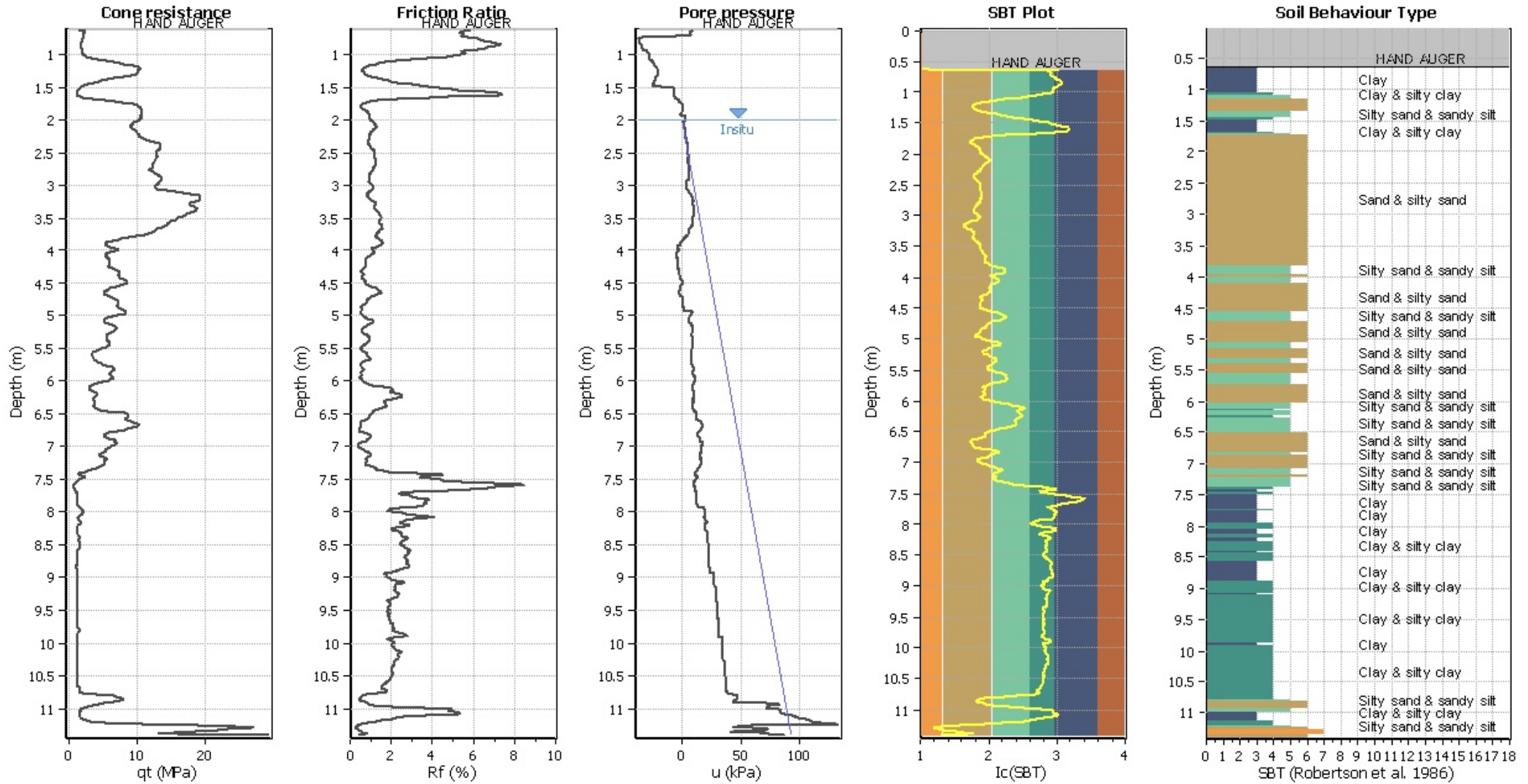


**Summary of liquefaction potential**



Zone A<sub>1</sub>: Cyclic liquefaction likely depending on size and duration of cyclic loading  
 Zone A<sub>2</sub>: Cyclic liquefaction and strength loss likely depending on loading and ground geometry  
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening  
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

### CPT basic interpretation plo



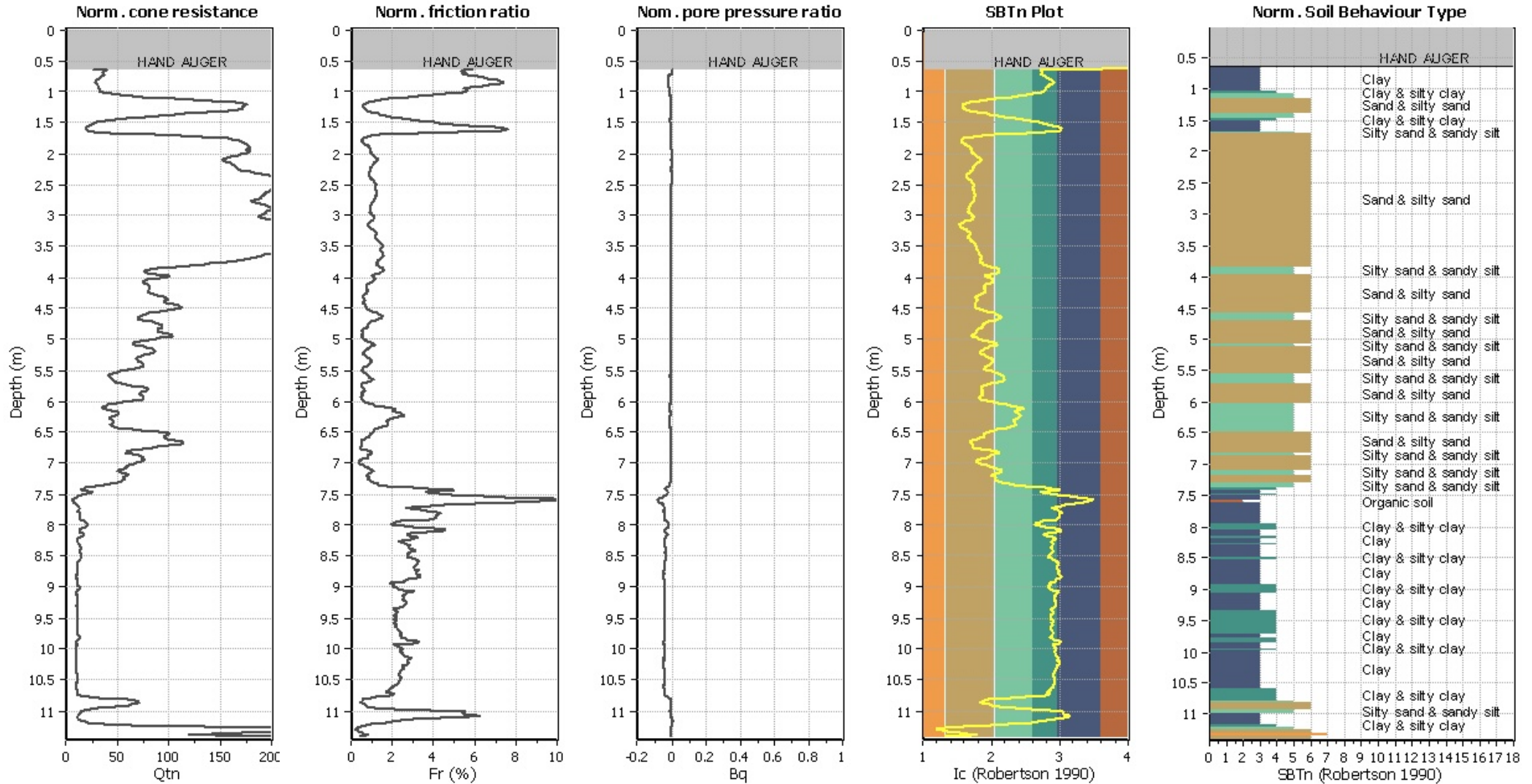
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



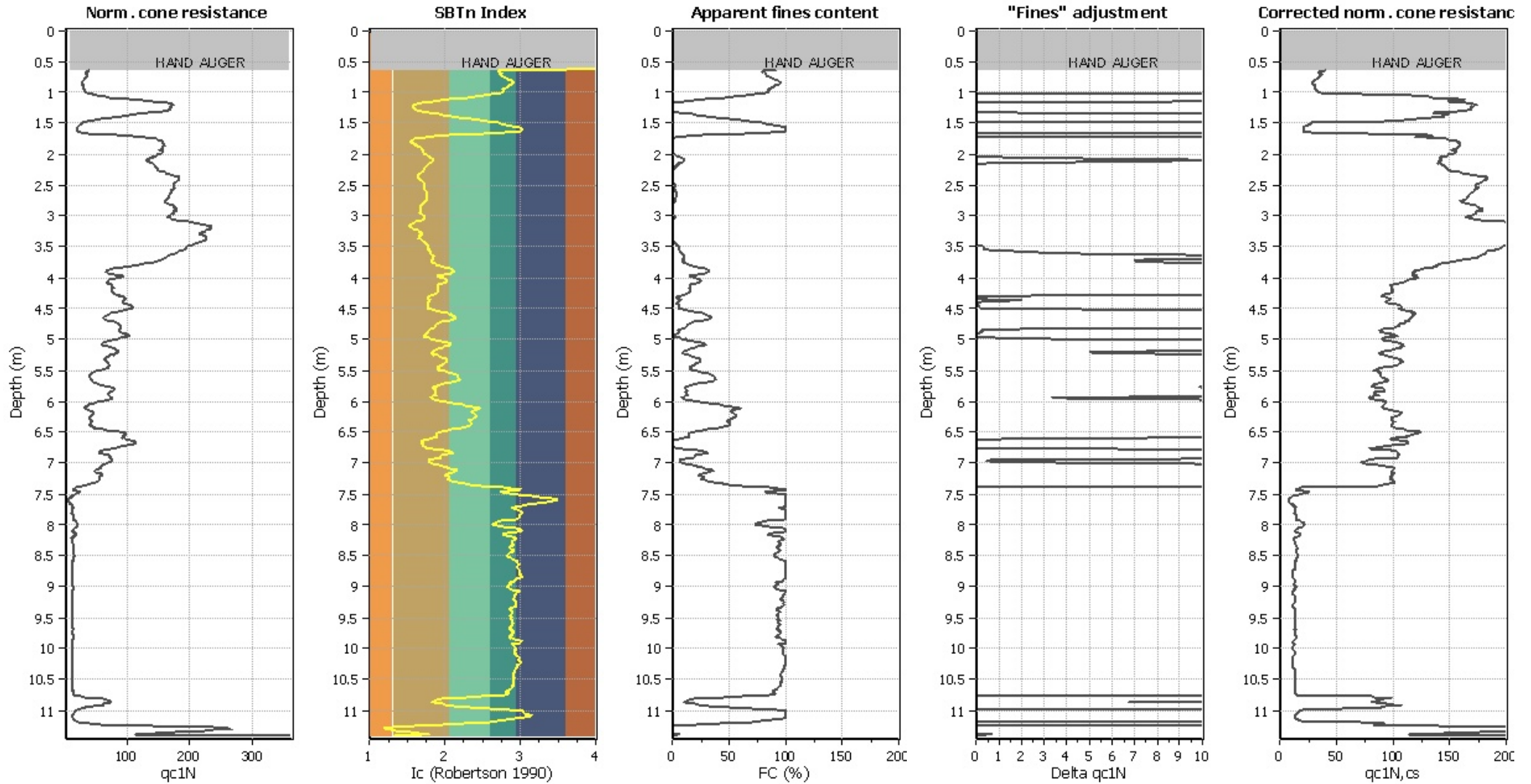
**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

**SBTn legend**

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

### Liquefaction analysis overall plots (intermediate resu

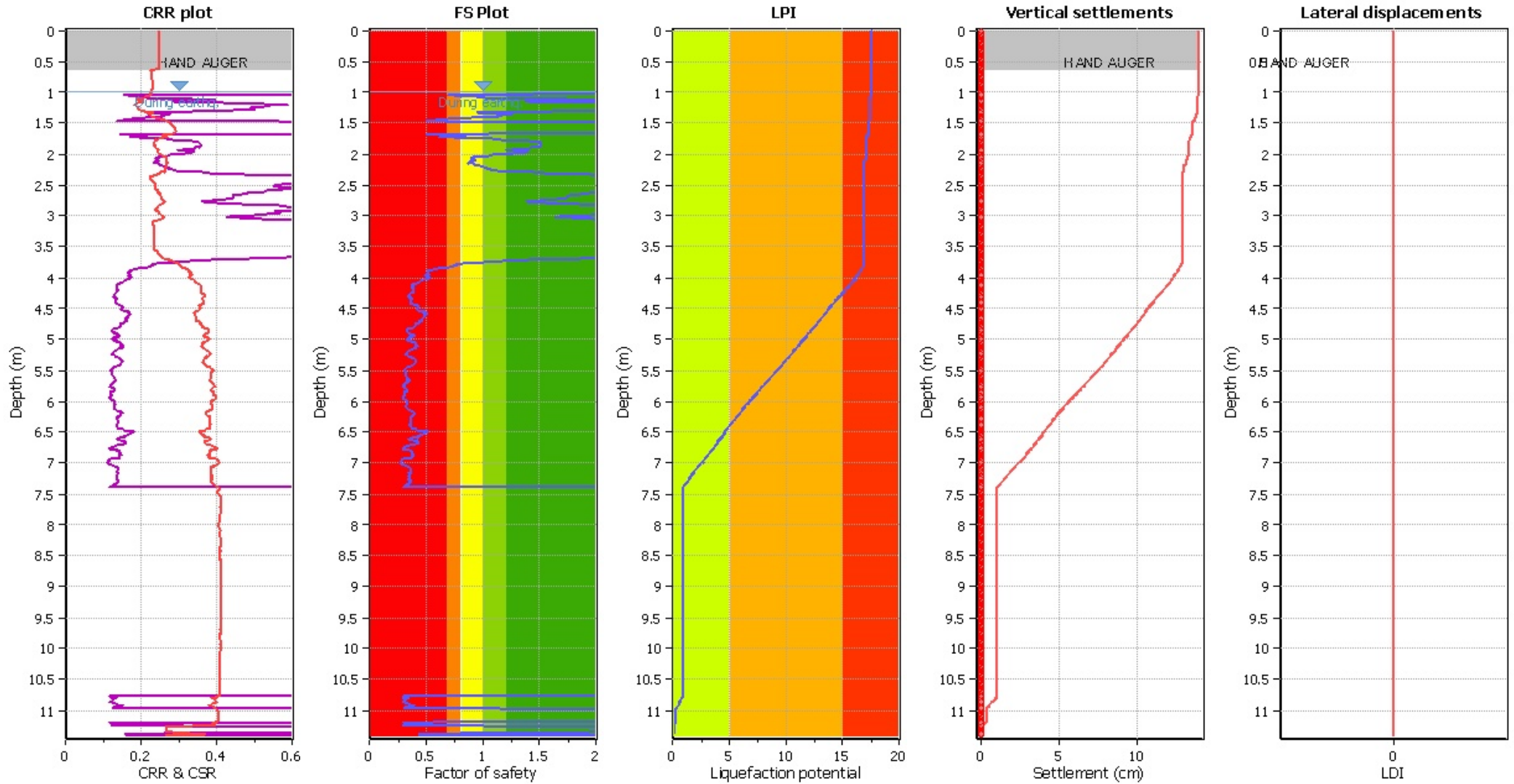


**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

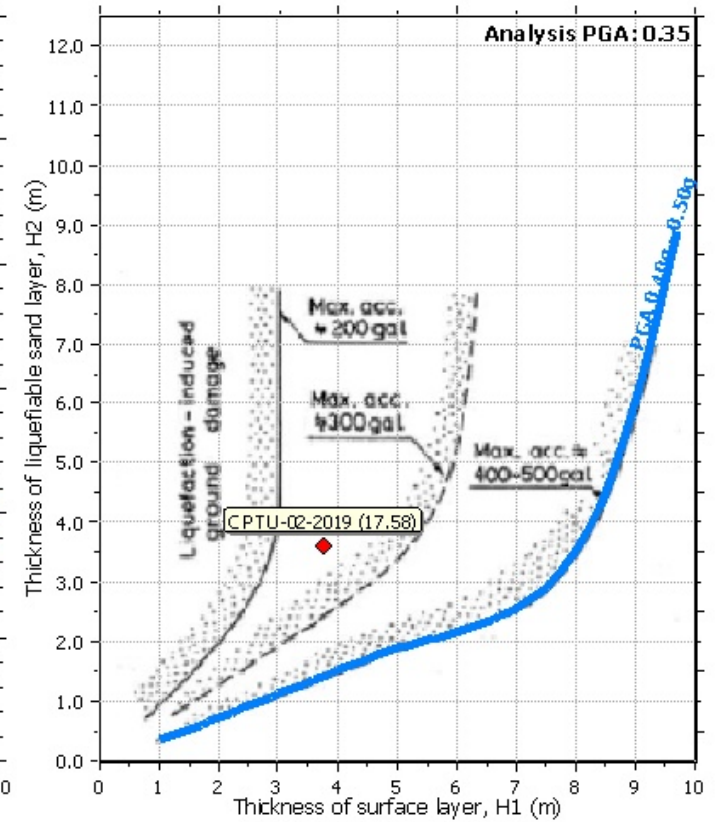
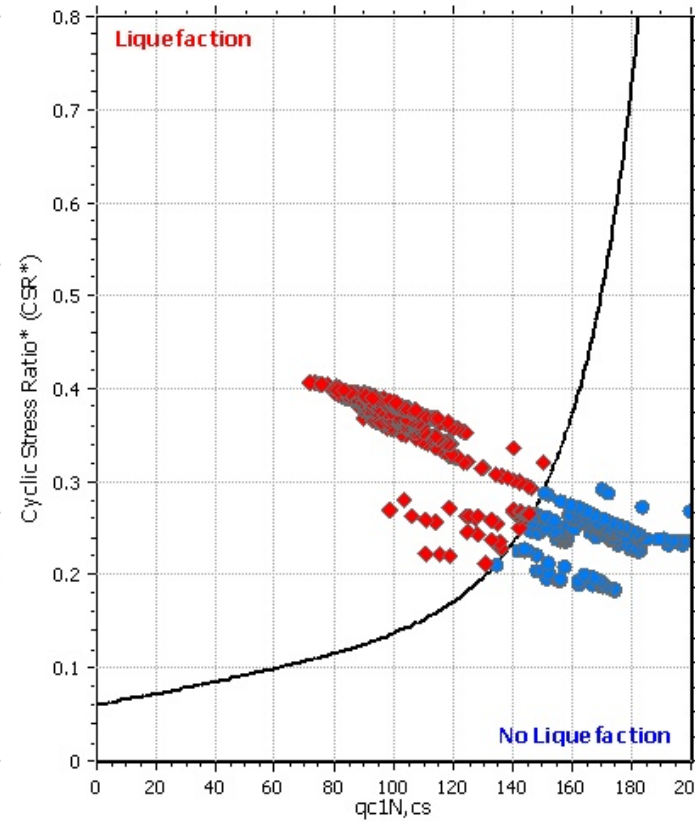
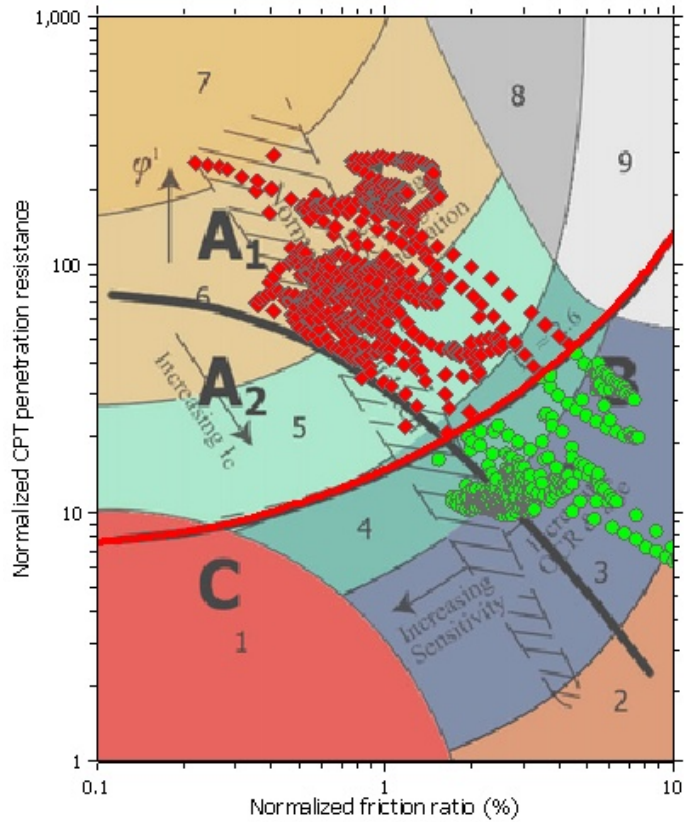
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

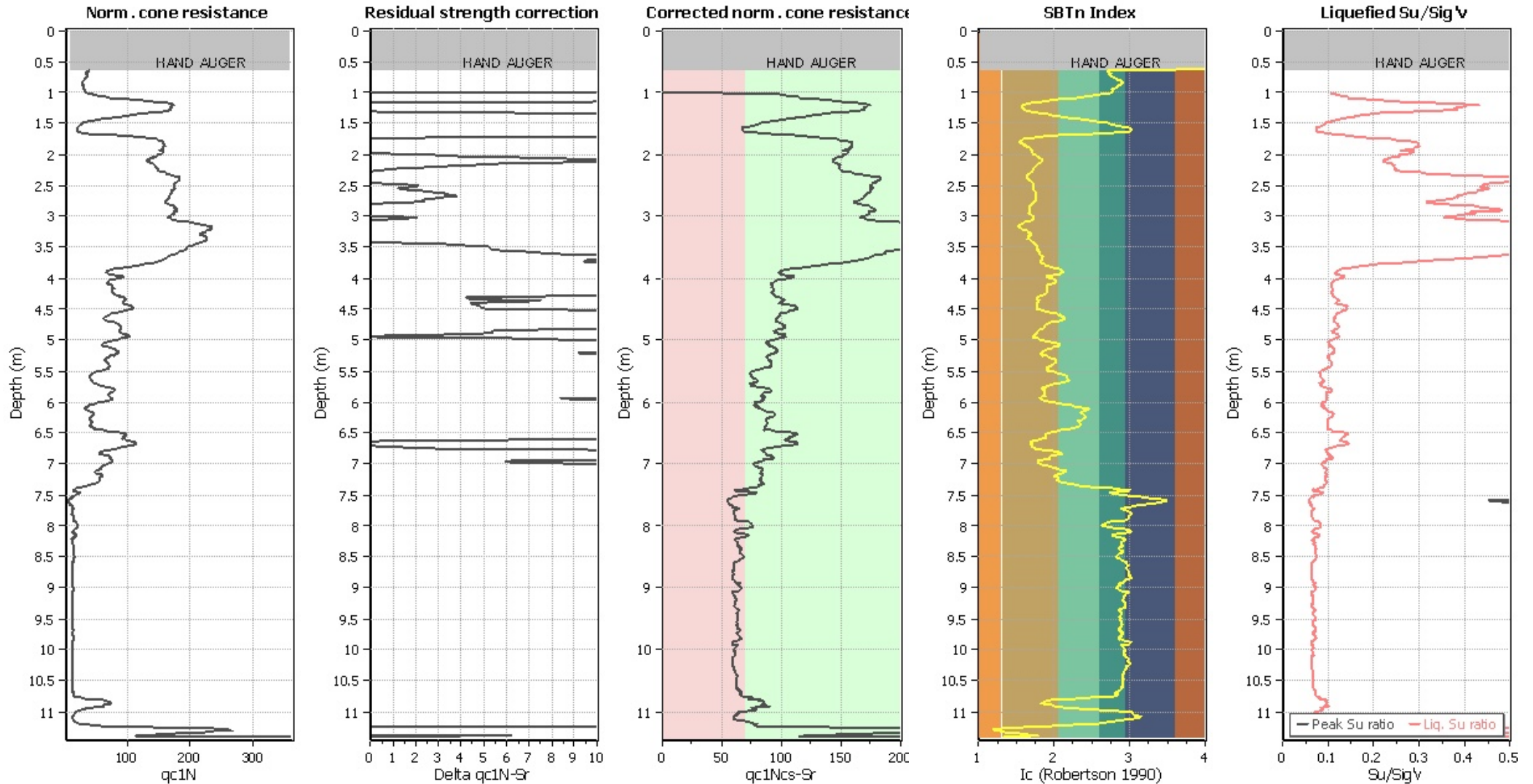
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	0.00	0.00	0.00	0.02	2.00	0.00	0.00	0.00	0.00
0.03	2.00	0.00	0.00	0.00	0.00	0.04	2.00	0.00	0.00	0.00	0.00
0.05	2.00	0.00	0.00	0.00	0.00	0.06	2.00	0.00	0.00	0.00	0.00
0.07	2.00	0.00	0.00	0.00	0.00	0.08	2.00	0.00	0.00	0.00	0.00
0.09	2.00	0.00	0.00	0.00	0.00	0.10	2.00	0.00	0.00	0.00	0.00
0.11	2.00	0.00	0.00	0.00	0.00	0.12	2.00	0.00	0.00	0.00	0.00
0.13	2.00	0.00	0.00	0.00	0.00	0.14	2.00	0.00	0.00	0.00	0.00
0.15	2.00	0.00	0.00	0.00	0.00	0.16	2.00	0.00	0.00	0.00	0.00
0.17	2.00	0.00	0.00	0.00	0.00	0.18	2.00	0.00	0.00	0.00	0.00
0.19	2.00	0.00	0.00	0.00	0.00	0.20	2.00	0.00	0.00	0.00	0.00
0.21	2.00	0.00	0.00	0.00	0.00	0.22	2.00	0.00	0.00	0.00	0.00
0.23	2.00	0.00	0.00	0.00	0.00	0.24	2.00	0.00	0.00	0.00	0.00
0.25	2.00	0.00	0.00	0.00	0.00	0.26	2.00	0.00	0.00	0.00	0.00
0.27	2.00	0.00	0.00	0.00	0.00	0.28	2.00	0.00	0.00	0.00	0.00
0.29	2.00	0.00	0.00	0.00	0.00	0.30	2.00	0.00	0.00	0.00	0.00
0.31	2.00	0.00	0.00	0.00	0.00	0.32	2.00	0.00	0.00	0.00	0.00
0.33	2.00	0.00	0.00	0.00	0.00	0.34	2.00	0.00	0.00	0.00	0.00
0.35	2.00	0.00	0.00	0.00	0.00	0.36	2.00	0.00	0.00	0.00	0.00
0.37	2.00	0.00	0.00	0.00	0.00	0.38	2.00	0.00	0.00	0.00	0.00
0.39	2.00	0.00	0.00	0.00	0.00	0.40	2.00	0.00	0.00	0.00	0.00
0.41	2.00	0.00	0.00	0.00	0.00	0.42	2.00	0.00	0.00	0.00	0.00
0.43	2.00	0.00	0.00	0.00	0.00	0.44	2.00	0.00	0.00	0.00	0.00
0.45	2.00	0.00	0.00	0.00	0.00	0.46	2.00	0.00	0.00	0.00	0.00
0.47	2.00	0.00	0.00	0.00	0.00	0.48	2.00	0.00	0.00	0.00	0.00
0.49	2.00	0.00	0.00	0.00	0.00	0.50	2.00	0.00	0.00	0.00	0.00
0.51	2.00	0.00	0.00	0.00	0.00	0.52	2.00	0.00	0.00	0.00	0.00
0.53	2.00	0.00	0.00	0.00	0.00	0.54	2.00	0.00	0.00	0.00	0.00
0.55	2.00	0.00	0.00	0.00	0.00	0.56	2.00	0.00	0.00	0.00	0.00
0.57	2.00	0.00	0.00	0.00	0.00	0.58	2.00	0.00	0.00	0.00	0.00
0.59	2.00	0.00	0.00	0.00	0.00	0.60	2.00	0.00	0.00	0.00	0.00
0.61	2.00	0.00	0.00	0.00	0.00	0.62	2.00	0.00	0.00	0.00	0.00
0.63	2.00	0.00	0.00	0.00	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	0.69	0.31	9.48	0.01	0.03
1.05	0.73	0.27	9.48	0.01	0.03	1.06	0.77	0.23	9.47	0.01	0.02
1.07	0.94	0.06	9.47	0.01	0.01	1.08	1.02	0.00	9.46	0.01	0.00
1.09	1.55	0.00	9.46	0.01	0.00	1.10	1.72	0.00	9.45	0.01	0.00
1.11	1.75	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	1.73	0.00	9.44	0.01	0.00	1.14	1.38	0.00	9.43	0.01	0.00
1.15	1.43	0.00	9.43	0.01	0.00	1.16	1.53	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	1.68	0.00	9.35	0.01	0.00	1.32	1.45	0.00	9.34	0.01	0.00
1.33	0.95	0.05	9.34	0.01	0.01	1.34	0.96	0.04	9.33	0.01	0.00
1.35	1.08	0.00	9.32	0.01	0.00	1.36	1.26	0.00	9.32	0.01	0.00
1.37	1.13	0.00	9.32	0.01	0.00	1.38	1.16	0.00	9.31	0.01	0.00
1.39	1.13	0.00	9.31	0.01	0.00	1.40	0.92	0.08	9.30	0.01	0.01
1.41	0.87	0.13	9.30	0.01	0.01	1.42	0.79	0.21	9.29	0.01	0.02
1.43	0.74	0.26	9.29	0.01	0.02	1.44	0.62	0.38	9.28	0.01	0.03
1.45	0.59	0.41	9.28	0.01	0.04	1.46	0.56	0.44	9.27	0.01	0.04
1.47	0.50	0.50	9.27	0.01	0.05	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	0.51	0.49	9.16	0.01	0.05	1.68	0.69	0.31	9.16	0.01	0.03
1.69	0.73	0.27	9.16	0.01	0.03	1.70	0.84	0.16	9.15	0.01	0.01
1.71	0.70	0.30	9.15	0.01	0.03	1.72	0.62	0.38	9.14	0.01	0.03
1.73	0.73	0.27	9.14	0.01	0.02	1.74	0.80	0.20	9.13	0.01	0.02
1.75	0.98	0.02	9.13	0.01	0.00	1.76	1.08	0.00	9.12	0.01	0.00
1.77	1.17	0.00	9.12	0.01	0.00	1.78	1.36	0.00	9.11	0.01	0.00
1.79	1.43	0.00	9.11	0.01	0.00	1.80	1.50	0.00	9.10	0.01	0.00
1.81	1.51	0.00	9.10	0.01	0.00	1.82	1.50	0.00	9.09	0.01	0.00
1.83	1.51	0.00	9.09	0.01	0.00	1.84	1.51	0.00	9.08	0.01	0.00
1.85	1.51	0.00	9.07	0.01	0.00	1.86	1.51	0.00	9.07	0.01	0.00
1.87	1.51	0.00	9.07	0.01	0.00	1.88	1.48	0.00	9.06	0.01	0.00
1.89	1.45	0.00	9.06	0.01	0.00	1.90	1.43	0.00	9.05	0.01	0.00
1.91	1.42	0.00	9.05	0.01	0.00	1.92	1.40	0.00	9.04	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.20	0.00	9.04	0.01	0.00	1.94	1.32	0.00	9.03	0.01	0.00
1.95	1.35	0.00	9.03	0.01	0.00	1.96	1.40	0.00	9.02	0.01	0.00
1.97	1.40	0.00	9.02	0.01	0.00	1.98	1.35	0.00	9.01	0.01	0.00
1.99	1.30	0.00	9.01	0.01	0.00	2.00	1.20	0.00	9.00	0.01	0.00
2.01	1.09	0.00	8.99	0.01	0.00	2.02	1.05	0.00	8.99	0.01	0.00
2.03	0.98	0.02	8.99	0.01	0.00	2.04	0.94	0.06	8.98	0.01	0.01
2.05	0.91	0.09	8.98	0.01	0.01	2.06	0.90	0.10	8.97	0.01	0.01
2.07	0.90	0.10	8.97	0.01	0.01	2.08	0.93	0.07	8.96	0.01	0.01
2.09	0.92	0.08	8.96	0.01	0.01	2.10	0.93	0.07	8.95	0.01	0.01
2.11	0.91	0.09	8.95	0.01	0.01	2.12	0.88	0.12	8.94	0.01	0.01
2.13	0.88	0.12	8.94	0.01	0.01	2.14	0.88	0.12	8.93	0.01	0.01
2.15	0.87	0.13	8.93	0.01	0.01	2.16	0.92	0.08	8.92	0.01	0.01
2.17	0.93	0.07	8.91	0.01	0.01	2.18	0.96	0.04	8.91	0.01	0.00
2.19	0.98	0.02	8.91	0.01	0.00	2.20	0.99	0.01	8.90	0.01	0.00
2.21	1.01	0.00	8.90	0.01	0.00	2.22	1.02	0.00	8.89	0.01	0.00
2.23	1.04	0.00	8.89	0.01	0.00	2.24	1.04	0.00	8.88	0.01	0.00
2.25	1.07	0.00	8.88	0.01	0.00	2.26	1.08	0.00	8.87	0.01	0.00
2.27	1.13	0.00	8.87	0.01	0.00	2.28	1.16	0.00	8.86	0.01	0.00
2.29	1.26	0.00	8.86	0.01	0.00	2.30	1.44	0.00	8.85	0.01	0.00
2.31	1.55	0.00	8.85	0.01	0.00	2.32	1.84	0.00	8.84	0.01	0.00
2.33	1.99	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	1.99	0.00	8.69	0.01	0.00
2.63	1.95	0.00	8.69	0.01	0.00	2.64	1.94	0.00	8.68	0.01	0.00
2.65	1.89	0.00	8.68	0.01	0.00	2.66	1.84	0.00	8.67	0.01	0.00
2.67	1.76	0.00	8.66	0.01	0.00	2.68	1.75	0.00	8.66	0.01	0.00
2.69	1.75	0.00	8.66	0.01	0.00	2.70	1.76	0.00	8.65	0.01	0.00
2.71	1.75	0.00	8.65	0.01	0.00	2.72	1.71	0.00	8.64	0.01	0.00
2.73	1.64	0.00	8.64	0.01	0.00	2.74	1.52	0.00	8.63	0.01	0.00
2.75	1.48	0.00	8.63	0.01	0.00	2.76	1.39	0.00	8.62	0.01	0.00
2.77	1.38	0.00	8.62	0.01	0.00	2.78	1.41	0.00	8.61	0.01	0.00
2.79	1.53	0.00	8.61	0.01	0.00	2.80	1.62	0.00	8.60	0.01	0.00
2.81	1.82	0.00	8.60	0.01	0.00	2.82	2.00	0.00	8.59	0.01	0.00
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	2.00	0.00	8.57	0.01	0.00	2.86	2.00	0.00	8.57	0.01	0.00
2.87	2.00	0.00	8.57	0.01	0.00	2.88	2.00	0.00	8.56	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	2.00	0.00	8.54	0.01	0.00
2.93	2.00	0.00	8.54	0.01	0.00	2.94	2.00	0.00	8.53	0.01	0.00
2.95	2.00	0.00	8.53	0.01	0.00	2.96	2.00	0.00	8.52	0.01	0.00
2.97	2.00	0.00	8.52	0.01	0.00	2.98	2.00	0.00	8.51	0.01	0.00
2.99	1.94	0.00	8.51	0.01	0.00	3.00	1.74	0.00	8.50	0.01	0.00
3.01	1.64	0.00	8.49	0.01	0.00	3.02	1.65	0.00	8.49	0.01	0.00
3.03	1.71	0.00	8.49	0.01	0.00	3.04	1.85	0.00	8.48	0.01	0.00
3.05	1.94	0.00	8.48	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	2.00	0.00	8.47	0.01	0.00	3.08	2.00	0.00	8.46	0.01	0.00
3.09	2.00	0.00	8.46	0.01	0.00	3.10	2.00	0.00	8.45	0.01	0.00
3.11	2.00	0.00	8.45	0.01	0.00	3.12	2.00	0.00	8.44	0.01	0.00
3.13	2.00	0.00	8.44	0.01	0.00	3.14	2.00	0.00	8.43	0.01	0.00
3.15	2.00	0.00	8.43	0.01	0.00	3.16	2.00	0.00	8.42	0.01	0.00
3.17	2.00	0.00	8.41	0.01	0.00	3.18	2.00	0.00	8.41	0.01	0.00
3.19	2.00	0.00	8.41	0.01	0.00	3.20	2.00	0.00	8.40	0.01	0.00
3.21	2.00	0.00	8.40	0.01	0.00	3.22	2.00	0.00	8.39	0.01	0.00
3.23	2.00	0.00	8.39	0.01	0.00	3.24	2.00	0.00	8.38	0.01	0.00
3.25	2.00	0.00	8.38	0.01	0.00	3.26	2.00	0.00	8.37	0.01	0.00
3.27	2.00	0.00	8.37	0.01	0.00	3.28	2.00	0.00	8.36	0.01	0.00
3.29	2.00	0.00	8.36	0.01	0.00	3.30	2.00	0.00	8.35	0.01	0.00
3.31	2.00	0.00	8.35	0.01	0.00	3.32	2.00	0.00	8.34	0.01	0.00
3.33	2.00	0.00	8.34	0.01	0.00	3.34	2.00	0.00	8.33	0.01	0.00
3.35	2.00	0.00	8.32	0.01	0.00	3.36	2.00	0.00	8.32	0.01	0.00
3.37	2.00	0.00	8.32	0.01	0.00	3.38	2.00	0.00	8.31	0.01	0.00
3.39	2.00	0.00	8.31	0.01	0.00	3.40	2.00	0.00	8.30	0.01	0.00
3.41	2.00	0.00	8.30	0.01	0.00	3.42	2.00	0.00	8.29	0.01	0.00
3.43	2.00	0.00	8.29	0.01	0.00	3.44	2.00	0.00	8.28	0.01	0.00
3.45	2.00	0.00	8.28	0.01	0.00	3.46	2.00	0.00	8.27	0.01	0.00
3.47	2.00	0.00	8.27	0.01	0.00	3.48	2.00	0.00	8.26	0.01	0.00
3.49	2.00	0.00	8.26	0.01	0.00	3.50	2.00	0.00	8.25	0.01	0.00
3.51	2.00	0.00	8.24	0.01	0.00	3.52	2.00	0.00	8.24	0.01	0.00
3.53	2.00	0.00	8.24	0.01	0.00	3.54	2.00	0.00	8.23	0.01	0.00
3.55	2.00	0.00	8.23	0.01	0.00	3.56	2.00	0.00	8.22	0.01	0.00
3.57	2.00	0.00	8.22	0.01	0.00	3.58	2.00	0.00	8.21	0.01	0.00
3.59	2.00	0.00	8.21	0.01	0.00	3.60	2.00	0.00	8.20	0.01	0.00
3.61	2.00	0.00	8.20	0.01	0.00	3.62	2.00	0.00	8.19	0.01	0.00
3.63	2.00	0.00	8.19	0.01	0.00	3.64	2.00	0.00	8.18	0.01	0.00
3.65	2.00	0.00	8.18	0.01	0.00	3.66	2.00	0.00	8.17	0.01	0.00
3.67	2.00	0.00	8.16	0.01	0.00	3.68	2.00	0.00	8.16	0.01	0.00
3.69	1.78	0.00	8.16	0.01	0.00	3.70	1.62	0.00	8.15	0.01	0.00
3.71	1.45	0.00	8.15	0.01	0.00	3.72	1.36	0.00	8.14	0.01	0.00
3.73	1.22	0.00	8.14	0.01	0.00	3.74	1.08	0.00	8.13	0.01	0.00
3.75	1.03	0.00	8.13	0.01	0.00	3.76	0.91	0.09	8.12	0.01	0.01
3.77	0.88	0.12	8.12	0.01	0.01	3.78	0.82	0.18	8.11	0.01	0.01
3.79	0.74	0.26	8.11	0.01	0.02	3.80	0.78	0.22	8.10	0.01	0.02
3.81	0.72	0.28	8.10	0.01	0.02	3.82	0.74	0.26	8.09	0.01	0.02
3.83	0.69	0.31	8.09	0.01	0.03	3.84	0.63	0.37	8.08	0.01	0.03

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.62	0.38	8.07	0.01	0.03	3.86	0.57	0.43	8.07	0.01	0.03
3.87	0.56	0.44	8.07	0.01	0.04	3.88	0.53	0.47	8.06	0.01	0.04
3.89	0.52	0.48	8.06	0.01	0.04	3.90	0.52	0.48	8.05	0.01	0.04
3.91	0.52	0.48	8.05	0.01	0.04	3.92	0.51	0.49	8.04	0.01	0.04
3.93	0.51	0.49	8.04	0.01	0.04	3.94	0.50	0.50	8.03	0.01	0.04
3.95	0.52	0.48	8.03	0.01	0.04	3.96	0.49	0.51	8.02	0.01	0.04
3.97	0.50	0.50	8.02	0.01	0.04	3.98	0.50	0.50	8.01	0.01	0.04
3.99	0.53	0.47	8.01	0.01	0.04	4.00	0.53	0.47	8.00	0.01	0.04
4.01	0.52	0.48	8.00	0.01	0.04	4.02	0.52	0.48	7.99	0.01	0.04
4.03	0.48	0.52	7.99	0.01	0.04	4.04	0.47	0.53	7.98	0.01	0.04
4.05	0.45	0.55	7.98	0.01	0.04	4.06	0.45	0.55	7.97	0.01	0.04
4.07	0.44	0.56	7.97	0.01	0.04	4.08	0.43	0.57	7.96	0.01	0.05
4.09	0.41	0.59	7.96	0.01	0.05	4.10	0.40	0.60	7.95	0.01	0.05
4.11	0.39	0.61	7.95	0.01	0.05	4.12	0.38	0.62	7.94	0.01	0.05
4.13	0.38	0.62	7.94	0.01	0.05	4.14	0.38	0.62	7.93	0.01	0.05
4.15	0.38	0.62	7.93	0.01	0.05	4.16	0.38	0.62	7.92	0.01	0.05
4.17	0.38	0.62	7.92	0.01	0.05	4.18	0.38	0.62	7.91	0.01	0.05
4.19	0.38	0.62	7.91	0.01	0.05	4.20	0.38	0.62	7.90	0.01	0.05
4.21	0.38	0.62	7.90	0.01	0.05	4.22	0.38	0.62	7.89	0.01	0.05
4.23	0.38	0.62	7.89	0.01	0.05	4.24	0.38	0.62	7.88	0.01	0.05
4.25	0.38	0.62	7.88	0.01	0.05	4.26	0.37	0.63	7.87	0.01	0.05
4.27	0.36	0.64	7.87	0.01	0.05	4.28	0.34	0.66	7.86	0.01	0.05
4.29	0.34	0.66	7.86	0.01	0.05	4.30	0.34	0.66	7.85	0.01	0.05
4.31	0.35	0.65	7.85	0.01	0.05	4.32	0.36	0.64	7.84	0.01	0.05
4.33	0.36	0.64	7.84	0.01	0.05	4.34	0.37	0.63	7.83	0.01	0.05
4.35	0.37	0.63	7.83	0.01	0.05	4.36	0.37	0.63	7.82	0.01	0.05
4.37	0.37	0.63	7.82	0.01	0.05	4.38	0.36	0.64	7.81	0.01	0.05
4.39	0.35	0.65	7.81	0.01	0.05	4.40	0.35	0.65	7.80	0.01	0.05
4.41	0.36	0.64	7.80	0.01	0.05	4.42	0.36	0.64	7.79	0.01	0.05
4.43	0.37	0.63	7.79	0.01	0.05	4.44	0.39	0.61	7.78	0.01	0.05
4.45	0.40	0.60	7.78	0.01	0.05	4.46	0.42	0.58	7.77	0.01	0.05
4.47	0.42	0.58	7.77	0.01	0.04	4.48	0.42	0.58	7.76	0.01	0.04
4.49	0.42	0.58	7.76	0.01	0.04	4.50	0.42	0.58	7.75	0.01	0.04
4.51	0.41	0.59	7.75	0.01	0.05	4.52	0.42	0.58	7.74	0.01	0.05
4.53	0.42	0.58	7.74	0.01	0.04	4.54	0.45	0.55	7.73	0.01	0.04
4.55	0.48	0.52	7.73	0.01	0.04	4.56	0.48	0.52	7.72	0.01	0.04
4.57	0.50	0.50	7.72	0.01	0.04	4.58	0.49	0.51	7.71	0.01	0.04
4.59	0.49	0.51	7.71	0.01	0.04	4.60	0.49	0.51	7.70	0.01	0.04
4.61	0.48	0.52	7.70	0.01	0.04	4.62	0.48	0.52	7.69	0.01	0.04
4.63	0.47	0.53	7.69	0.01	0.04	4.64	0.47	0.53	7.68	0.01	0.04
4.65	0.47	0.53	7.68	0.01	0.04	4.66	0.46	0.54	7.67	0.01	0.04
4.67	0.46	0.54	7.67	0.01	0.04	4.68	0.46	0.54	7.66	0.01	0.04
4.69	0.46	0.54	7.66	0.01	0.04	4.70	0.45	0.55	7.65	0.01	0.04
4.71	0.46	0.54	7.65	0.01	0.04	4.72	0.44	0.56	7.64	0.01	0.04
4.73	0.43	0.57	7.64	0.01	0.04	4.74	0.41	0.59	7.63	0.01	0.04
4.75	0.40	0.60	7.63	0.01	0.05	4.76	0.41	0.59	7.62	0.01	0.05
4.77	0.40	0.60	7.62	0.01	0.05	4.78	0.40	0.60	7.61	0.01	0.05
4.79	0.40	0.60	7.61	0.01	0.05	4.80	0.39	0.61	7.60	0.01	0.05



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.38	0.62	7.60	0.01	0.05	4.82	0.37	0.63	7.59	0.01	0.05
4.83	0.35	0.65	7.59	0.01	0.05	4.84	0.34	0.66	7.58	0.01	0.05
4.85	0.33	0.67	7.58	0.01	0.05	4.86	0.33	0.67	7.57	0.01	0.05
4.87	0.33	0.67	7.57	0.01	0.05	4.88	0.34	0.66	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.37	0.63	7.55	0.01	0.05
4.91	0.36	0.64	7.55	0.01	0.05	4.92	0.36	0.64	7.54	0.01	0.05
4.93	0.38	0.62	7.54	0.01	0.05	4.94	0.39	0.61	7.53	0.01	0.05
4.95	0.38	0.62	7.53	0.01	0.05	4.96	0.38	0.62	7.52	0.01	0.05
4.97	0.35	0.65	7.52	0.01	0.05	4.98	0.34	0.66	7.51	0.01	0.05
4.99	0.33	0.67	7.51	0.01	0.05	5.00	0.34	0.66	7.50	0.01	0.05
5.01	0.34	0.66	7.50	0.01	0.05	5.02	0.36	0.64	7.49	0.01	0.05
5.03	0.37	0.63	7.49	0.01	0.05	5.04	0.38	0.62	7.48	0.01	0.05
5.05	0.39	0.61	7.48	0.01	0.05	5.06	0.40	0.60	7.47	0.01	0.05
5.07	0.40	0.60	7.47	0.01	0.04	5.08	0.41	0.59	7.46	0.01	0.04
5.09	0.41	0.59	7.46	0.01	0.04	5.10	0.41	0.59	7.45	0.01	0.04
5.11	0.42	0.58	7.45	0.01	0.04	5.12	0.41	0.59	7.44	0.01	0.04
5.13	0.41	0.59	7.44	0.01	0.04	5.14	0.39	0.61	7.43	0.01	0.05
5.15	0.38	0.62	7.43	0.01	0.05	5.16	0.37	0.63	7.42	0.01	0.05
5.17	0.36	0.64	7.42	0.01	0.05	5.18	0.35	0.65	7.41	0.01	0.05
5.19	0.34	0.66	7.41	0.01	0.05	5.20	0.34	0.66	7.40	0.01	0.05
5.21	0.33	0.67	7.40	0.01	0.05	5.22	0.33	0.67	7.39	0.01	0.05
5.23	0.32	0.68	7.39	0.01	0.05	5.24	0.33	0.67	7.38	0.01	0.05
5.25	0.33	0.67	7.38	0.01	0.05	5.26	0.34	0.66	7.37	0.01	0.05
5.27	0.35	0.65	7.37	0.01	0.05	5.28	0.36	0.64	7.36	0.01	0.05
5.29	0.37	0.63	7.36	0.01	0.05	5.30	0.38	0.62	7.35	0.01	0.05
5.31	0.38	0.62	7.35	0.01	0.05	5.32	0.39	0.61	7.34	0.01	0.04
5.33	0.40	0.60	7.34	0.01	0.04	5.34	0.40	0.60	7.33	0.01	0.04
5.35	0.41	0.59	7.33	0.01	0.04	5.36	0.41	0.59	7.32	0.01	0.04
5.37	0.41	0.59	7.32	0.01	0.04	5.38	0.41	0.59	7.31	0.01	0.04
5.39	0.40	0.60	7.31	0.01	0.04	5.40	0.39	0.61	7.30	0.01	0.04
5.41	0.39	0.61	7.30	0.01	0.04	5.42	0.37	0.63	7.29	0.01	0.05
5.43	0.36	0.64	7.29	0.01	0.05	5.44	0.35	0.65	7.28	0.01	0.05
5.45	0.34	0.66	7.28	0.01	0.05	5.46	0.33	0.67	7.27	0.01	0.05
5.47	0.32	0.68	7.27	0.01	0.05	5.48	0.31	0.69	7.26	0.01	0.05
5.49	0.31	0.69	7.26	0.01	0.05	5.50	0.30	0.70	7.25	0.01	0.05
5.51	0.31	0.69	7.25	0.01	0.05	5.52	0.32	0.68	7.24	0.01	0.05
5.53	0.32	0.68	7.24	0.01	0.05	5.54	0.32	0.68	7.23	0.01	0.05
5.55	0.32	0.68	7.23	0.01	0.05	5.56	0.32	0.68	7.22	0.01	0.05
5.57	0.32	0.68	7.22	0.01	0.05	5.58	0.32	0.68	7.21	0.01	0.05
5.59	0.32	0.68	7.21	0.01	0.05	5.60	0.32	0.68	7.20	0.01	0.05
5.61	0.33	0.67	7.20	0.01	0.05	5.62	0.33	0.67	7.19	0.01	0.05
5.63	0.33	0.67	7.19	0.01	0.05	5.64	0.34	0.66	7.18	0.01	0.05
5.65	0.34	0.66	7.18	0.01	0.05	5.66	0.34	0.66	7.17	0.01	0.05
5.67	0.34	0.66	7.17	0.01	0.05	5.68	0.33	0.67	7.16	0.01	0.05
5.69	0.33	0.67	7.16	0.01	0.05	5.70	0.32	0.68	7.15	0.01	0.05
5.71	0.31	0.69	7.15	0.01	0.05	5.72	0.31	0.69	7.14	0.01	0.05
5.73	0.31	0.69	7.14	0.01	0.05	5.74	0.30	0.70	7.13	0.01	0.05
5.75	0.30	0.70	7.13	0.01	0.05	5.76	0.30	0.70	7.12	0.01	0.05

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.30	0.70	7.12	0.01	0.05	5.78	0.30	0.70	7.11	0.01	0.05
5.79	0.31	0.69	7.11	0.01	0.05	5.80	0.33	0.67	7.10	0.01	0.05
5.81	0.33	0.67	7.10	0.01	0.05	5.82	0.33	0.67	7.09	0.01	0.05
5.83	0.33	0.67	7.09	0.01	0.05	5.84	0.32	0.68	7.08	0.01	0.05
5.85	0.31	0.69	7.08	0.01	0.05	5.86	0.30	0.70	7.07	0.01	0.05
5.87	0.30	0.70	7.07	0.01	0.05	5.88	0.31	0.69	7.06	0.01	0.05
5.89	0.31	0.69	7.06	0.01	0.05	5.90	0.31	0.69	7.05	0.01	0.05
5.91	0.31	0.69	7.05	0.01	0.05	5.92	0.30	0.70	7.04	0.01	0.05
5.93	0.30	0.70	7.04	0.01	0.05	5.94	0.29	0.71	7.03	0.01	0.05
5.95	0.29	0.71	7.03	0.01	0.05	5.96	0.30	0.70	7.02	0.01	0.05
5.97	0.30	0.70	7.02	0.01	0.05	5.98	0.31	0.69	7.01	0.01	0.05
5.99	0.32	0.68	7.01	0.01	0.05	6.00	0.33	0.67	7.00	0.01	0.05
6.01	0.33	0.67	7.00	0.01	0.05	6.02	0.33	0.67	6.99	0.01	0.05
6.03	0.34	0.66	6.99	0.01	0.05	6.04	0.33	0.67	6.98	0.01	0.05
6.05	0.33	0.67	6.98	0.01	0.05	6.06	0.33	0.67	6.97	0.01	0.05
6.07	0.33	0.67	6.97	0.01	0.05	6.08	0.33	0.67	6.96	0.01	0.05
6.09	0.32	0.68	6.96	0.01	0.05	6.10	0.32	0.68	6.95	0.01	0.05
6.11	0.33	0.67	6.95	0.01	0.05	6.12	0.33	0.67	6.94	0.01	0.05
6.13	0.33	0.67	6.94	0.01	0.05	6.14	0.35	0.65	6.93	0.01	0.05
6.15	0.35	0.65	6.93	0.01	0.04	6.16	0.37	0.63	6.92	0.01	0.04
6.17	0.38	0.62	6.92	0.01	0.04	6.18	0.39	0.61	6.91	0.01	0.04
6.19	0.39	0.61	6.91	0.01	0.04	6.20	0.40	0.60	6.90	0.01	0.04
6.21	0.39	0.61	6.90	0.01	0.04	6.22	0.39	0.61	6.89	0.01	0.04
6.23	0.38	0.62	6.89	0.01	0.04	6.24	0.38	0.62	6.88	0.01	0.04
6.25	0.37	0.63	6.88	0.01	0.04	6.26	0.36	0.64	6.87	0.01	0.04
6.27	0.36	0.64	6.87	0.01	0.04	6.28	0.35	0.65	6.86	0.01	0.04
6.29	0.35	0.65	6.86	0.01	0.04	6.30	0.36	0.64	6.85	0.01	0.04
6.31	0.36	0.64	6.85	0.01	0.04	6.32	0.36	0.64	6.84	0.01	0.04
6.33	0.36	0.64	6.84	0.01	0.04	6.34	0.36	0.64	6.83	0.01	0.04
6.35	0.36	0.64	6.83	0.01	0.04	6.36	0.36	0.64	6.82	0.01	0.04
6.37	0.36	0.64	6.82	0.01	0.04	6.38	0.35	0.65	6.81	0.01	0.04
6.39	0.35	0.65	6.81	0.01	0.04	6.40	0.36	0.64	6.80	0.01	0.04
6.41	0.36	0.64	6.80	0.01	0.04	6.42	0.37	0.63	6.79	0.01	0.04
6.43	0.37	0.63	6.79	0.01	0.04	6.44	0.37	0.63	6.78	0.01	0.04
6.45	0.39	0.61	6.78	0.01	0.04	6.46	0.41	0.59	6.77	0.01	0.04
6.47	0.42	0.58	6.77	0.01	0.04	6.48	0.51	0.49	6.76	0.01	0.03
6.49	0.50	0.50	6.76	0.01	0.03	6.50	0.52	0.48	6.75	0.01	0.03
6.51	0.49	0.51	6.75	0.01	0.03	6.52	0.48	0.52	6.74	0.01	0.03
6.53	0.47	0.53	6.74	0.01	0.04	6.54	0.46	0.54	6.73	0.01	0.04
6.55	0.44	0.56	6.73	0.01	0.04	6.56	0.43	0.57	6.72	0.01	0.04
6.57	0.42	0.58	6.72	0.01	0.04	6.58	0.42	0.58	6.71	0.01	0.04
6.59	0.40	0.60	6.71	0.01	0.04	6.60	0.37	0.63	6.70	0.01	0.04
6.61	0.35	0.65	6.70	0.01	0.04	6.62	0.37	0.63	6.69	0.01	0.04
6.63	0.39	0.61	6.69	0.01	0.04	6.64	0.40	0.60	6.68	0.01	0.04
6.65	0.42	0.58	6.68	0.01	0.04	6.66	0.43	0.57	6.67	0.01	0.04
6.67	0.43	0.57	6.67	0.01	0.04	6.68	0.43	0.57	6.66	0.01	0.04
6.69	0.41	0.59	6.66	0.01	0.04	6.70	0.40	0.60	6.65	0.01	0.04
6.71	0.39	0.61	6.65	0.01	0.04	6.72	0.36	0.64	6.64	0.01	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.34	0.66	6.64	0.01	0.04	6.74	0.32	0.68	6.63	0.01	0.04
6.75	0.30	0.70	6.63	0.01	0.05	6.76	0.29	0.71	6.62	0.01	0.05
6.77	0.29	0.71	6.62	0.01	0.05	6.78	0.32	0.68	6.61	0.01	0.05
6.79	0.35	0.65	6.61	0.01	0.04	6.80	0.36	0.64	6.60	0.01	0.04
6.81	0.37	0.63	6.60	0.01	0.04	6.82	0.37	0.63	6.59	0.01	0.04
6.83	0.38	0.62	6.59	0.01	0.04	6.84	0.38	0.62	6.58	0.01	0.04
6.85	0.38	0.62	6.58	0.01	0.04	6.86	0.38	0.62	6.57	0.01	0.04
6.87	0.38	0.62	6.57	0.01	0.04	6.88	0.38	0.62	6.56	0.01	0.04
6.89	0.38	0.62	6.56	0.01	0.04	6.90	0.38	0.62	6.55	0.01	0.04
6.91	0.38	0.62	6.55	0.01	0.04	6.92	0.36	0.64	6.54	0.01	0.04
6.93	0.31	0.69	6.54	0.01	0.05	6.94	0.29	0.71	6.53	0.01	0.05
6.95	0.28	0.72	6.53	0.01	0.05	6.96	0.28	0.72	6.52	0.01	0.05
6.97	0.28	0.72	6.52	0.01	0.05	6.98	0.27	0.73	6.51	0.01	0.05
6.99	0.27	0.73	6.51	0.01	0.05	7.00	0.27	0.73	6.50	0.01	0.05
7.01	0.28	0.72	6.50	0.01	0.05	7.02	0.29	0.71	6.49	0.01	0.05
7.03	0.31	0.69	6.49	0.01	0.04	7.04	0.32	0.68	6.48	0.01	0.04
7.05	0.33	0.67	6.48	0.01	0.04	7.06	0.34	0.66	6.47	0.01	0.04
7.07	0.35	0.65	6.47	0.01	0.04	7.08	0.36	0.64	6.46	0.01	0.04
7.09	0.36	0.64	6.46	0.01	0.04	7.10	0.36	0.64	6.45	0.01	0.04
7.11	0.36	0.64	6.45	0.01	0.04	7.12	0.36	0.64	6.44	0.01	0.04
7.13	0.35	0.65	6.44	0.01	0.04	7.14	0.35	0.65	6.43	0.01	0.04
7.15	0.35	0.65	6.43	0.01	0.04	7.16	0.36	0.64	6.42	0.01	0.04
7.17	0.36	0.64	6.42	0.01	0.04	7.18	0.36	0.64	6.41	0.01	0.04
7.19	0.35	0.65	6.41	0.01	0.04	7.20	0.35	0.65	6.40	0.01	0.04
7.21	0.35	0.65	6.40	0.01	0.04	7.22	0.35	0.65	6.39	0.01	0.04
7.23	0.35	0.65	6.39	0.01	0.04	7.24	0.35	0.65	6.38	0.01	0.04
7.25	0.35	0.65	6.38	0.01	0.04	7.26	0.35	0.65	6.37	0.01	0.04
7.27	0.35	0.65	6.37	0.01	0.04	7.28	0.36	0.64	6.36	0.01	0.04
7.29	0.36	0.64	6.36	0.01	0.04	7.30	0.36	0.64	6.35	0.01	0.04
7.31	0.36	0.64	6.35	0.01	0.04	7.32	0.35	0.65	6.34	0.01	0.04
7.33	0.35	0.65	6.34	0.01	0.04	7.34	0.34	0.66	6.33	0.01	0.04
7.35	0.33	0.67	6.33	0.01	0.04	7.36	0.32	0.68	6.32	0.01	0.04
7.37	0.31	0.69	6.32	0.01	0.04	7.38	0.29	0.71	6.31	0.01	0.04
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	0.29	0.71	4.61	0.01	0.03
10.79	0.30	0.70	4.61	0.01	0.03	10.80	0.35	0.65	4.60	0.01	0.03
10.81	0.33	0.67	4.60	0.01	0.03	10.82	0.32	0.68	4.59	0.01	0.03
10.83	0.32	0.68	4.59	0.01	0.03	10.84	0.31	0.69	4.58	0.01	0.03
10.85	0.31	0.69	4.58	0.01	0.03	10.86	0.29	0.71	4.57	0.01	0.03
10.87	0.29	0.71	4.57	0.01	0.03	10.88	0.29	0.71	4.56	0.01	0.03
10.89	0.33	0.67	4.56	0.01	0.03	10.90	0.33	0.67	4.55	0.01	0.03
10.91	0.36	0.64	4.55	0.01	0.03	10.92	0.39	0.61	4.54	0.01	0.03
10.93	0.32	0.68	4.54	0.01	0.03	10.94	0.32	0.68	4.53	0.01	0.03
10.95	0.32	0.68	4.53	0.01	0.03	10.96	0.32	0.68	4.52	0.01	0.03
10.97	0.31	0.69	4.52	0.01	0.03	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	0.29	0.71	4.41	0.01	0.03	11.20	0.30	0.70	4.40	0.01	0.03
11.21	0.32	0.68	4.39	0.01	0.03	11.22	0.33	0.67	4.39	0.01	0.03
11.23	0.33	0.67	4.39	0.01	0.03	11.24	0.30	0.70	4.38	0.01	0.03
11.25	0.46	0.54	4.38	0.01	0.02	11.26	1.75	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	1.92	0.00	4.32	0.01	0.00
11.37	0.90	0.10	4.32	0.01	0.00	11.38	0.71	0.29	4.31	0.01	0.01
11.39	0.43	0.57	4.31	0.01	0.02	11.40	0.44	0.56	4.30	0.01	0.02
11.41	2.00	0.00	4.30	0.01	0.00						

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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**Overall liquefaction potential: 17.58**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

**Abbreviations**

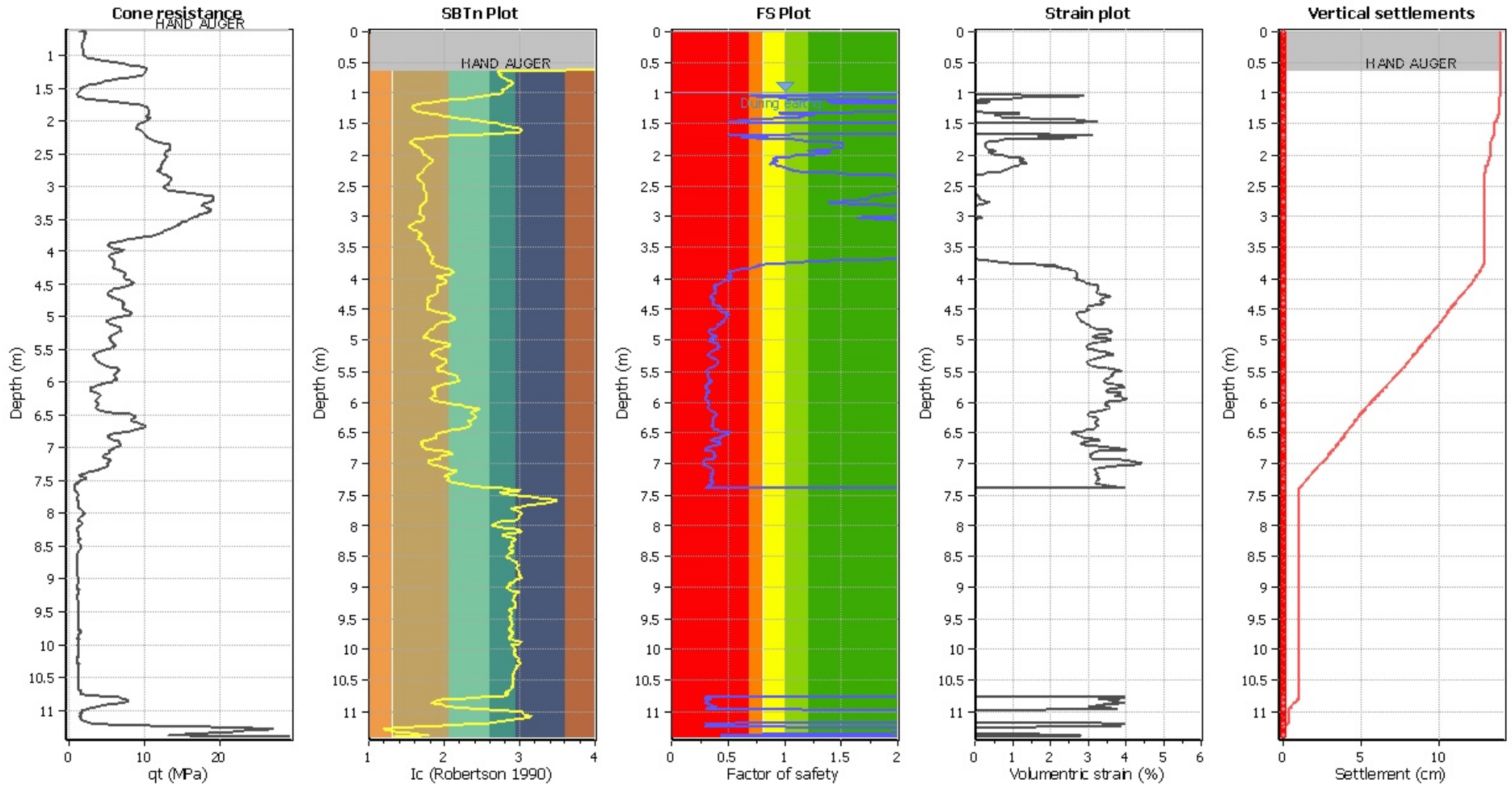
FS: Calculated factor of safety for test point

 $F_L$ : 1 - FS $w_z$ : Function value of the extend of soil liquefaction according to depth $d_z$ : Layer thickness (m)

LPI: Liquefaction potential index value for test point



### Estimation of post-earthquake settlements



**Abbreviations**

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

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	34.06	2.00	0.00	1.00	0.00	1.01	37.25	2.00	0.00	1.00	0.00
1.02	38.76	2.00	0.00	1.00	0.00	1.03	43.45	2.00	0.00	1.00	0.00
1.04	111.00	0.69	2.88	1.00	0.03	1.05	115.20	0.73	2.77	1.00	0.03
1.06	118.70	0.77	2.69	1.00	0.03	1.07	130.56	0.94	1.27	1.00	0.01
1.08	134.92	1.02	0.96	1.00	0.01	1.09	152.00	1.55	0.24	1.00	0.00
1.10	155.82	1.72	0.13	1.00	0.00	1.11	156.44	1.75	0.11	1.00	0.00
1.12	162.19	2.00	0.00	1.00	0.00	1.13	156.31	1.73	0.13	1.00	0.00
1.14	148.57	1.38	0.38	1.00	0.00	1.15	150.05	1.43	0.33	1.00	0.00
1.16	152.68	1.53	0.25	1.00	0.00	1.17	162.41	2.00	0.00	1.00	0.00
1.18	166.94	2.00	0.00	1.00	0.00	1.19	170.29	2.00	0.00	1.00	0.00
1.20	174.49	2.00	0.00	1.00	0.00	1.21	174.32	2.00	0.00	1.00	0.00
1.22	172.14	2.00	0.00	1.00	0.00	1.23	171.13	2.00	0.00	1.00	0.00
1.24	169.79	2.00	0.00	1.00	0.00	1.25	168.95	2.00	0.00	1.00	0.00
1.26	169.45	2.00	0.00	1.00	0.00	1.27	169.79	2.00	0.00	1.00	0.00
1.28	168.78	2.00	0.00	1.00	0.00	1.29	167.27	2.00	0.00	1.00	0.00
1.30	164.59	2.00	0.00	1.00	0.00	1.31	157.54	1.68	0.15	1.00	0.00
1.32	152.68	1.45	0.32	1.00	0.00	1.33	135.78	0.95	1.18	1.00	0.01
1.34	136.54	0.96	1.13	1.00	0.01	1.35	141.97	1.08	0.79	1.00	0.01
1.36	148.23	1.26	0.50	1.00	0.00	1.37	143.97	1.13	0.70	1.00	0.01
1.38	145.35	1.16	0.64	1.00	0.01	1.39	144.23	1.13	0.70	1.00	0.01
1.40	135.44	0.92	1.28	1.00	0.01	1.41	132.67	0.87	1.58	1.00	0.02
1.42	128.32	0.79	2.27	1.00	0.02	1.43	124.78	0.74	2.55	1.00	0.03
1.44	114.35	0.62	2.79	1.00	0.03	1.45	110.58	0.59	2.90	1.00	0.03
1.46	106.28	0.56	3.02	1.00	0.03	1.47	98.70	0.50	3.26	1.00	0.03
1.48	34.90	2.00	0.00	1.00	0.00	1.49	32.55	2.00	0.00	1.00	0.00
1.50	28.69	2.00	0.00	1.00	0.00	1.51	27.35	2.00	0.00	1.00	0.00
1.52	25.84	2.00	0.00	1.00	0.00	1.53	24.66	2.00	0.00	1.00	0.00
1.54	22.99	2.00	0.00	1.00	0.00	1.55	22.15	2.00	0.00	1.00	0.00
1.56	21.48	2.00	0.00	1.00	0.00	1.57	20.47	2.00	0.00	1.00	0.00
1.58	20.30	2.00	0.00	1.00	0.00	1.59	20.13	2.00	0.00	1.00	0.00
1.60	20.13	2.00	0.00	1.00	0.00	1.61	20.13	2.00	0.00	1.00	0.00
1.62	20.30	2.00	0.00	1.00	0.00	1.63	20.80	2.00	0.00	1.00	0.00
1.64	22.15	2.00	0.00	1.00	0.00	1.65	28.86	2.00	0.00	1.00	0.00
1.66	35.07	2.00	0.00	1.00	0.00	1.67	103.23	0.51	3.11	1.00	0.03
1.68	124.03	0.69	2.56	1.00	0.03	1.69	127.25	0.73	2.49	1.00	0.02
1.70	134.89	0.84	1.65	1.00	0.02	1.71	125.41	0.70	2.53	1.00	0.03
1.72	118.60	0.62	2.69	1.00	0.03	1.73	128.06	0.73	2.47	1.00	0.02
1.74	132.68	0.80	2.01	1.00	0.02	1.75	142.24	0.98	1.01	1.00	0.01
1.76	146.13	1.08	0.77	1.00	0.01	1.77	149.13	1.17	0.62	1.00	0.01
1.78	154.72	1.36	0.39	1.00	0.00	1.79	156.36	1.43	0.33	1.00	0.00
1.80	157.98	1.50	0.27	1.00	0.00	1.81	158.18	1.51	0.26	1.00	0.00
1.82	158.15	1.50	0.27	1.00	0.00	1.83	158.36	1.51	0.26	1.00	0.00
1.84	158.45	1.51	0.26	1.00	0.00	1.85	158.54	1.51	0.26	1.00	0.00
1.86	158.51	1.51	0.26	1.00	0.00	1.87	158.69	1.51	0.26	1.00	0.00
1.88	157.99	1.48	0.29	1.00	0.00	1.89	157.50	1.45	0.31	1.00	0.00
1.90	157.02	1.43	0.33	1.00	0.00	1.91	156.76	1.42	0.34	1.00	0.00
1.92	156.51	1.40	0.35	1.00	0.00	1.93	151.33	1.20	0.57	1.00	0.01
1.94	154.49	1.32	0.43	1.00	0.00	1.95	155.53	1.35	0.39	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	156.68	1.40	0.35	1.00	0.00	1.97	156.66	1.40	0.35	1.00	0.00
1.98	155.48	1.35	0.40	1.00	0.00	1.99	154.31	1.30	0.45	1.00	0.00
2.00	151.73	1.20	0.57	1.00	0.01	2.01	148.08	1.09	0.75	1.00	0.01
2.02	146.80	1.05	0.83	1.00	0.01	2.03	144.02	0.98	1.01	1.00	0.01
2.04	142.50	0.94	1.13	1.00	0.01	2.05	141.42	0.91	1.22	1.00	0.01
2.06	140.65	0.90	1.29	1.00	0.01	2.07	141.06	0.90	1.26	1.00	0.01
2.08	142.32	0.93	1.16	1.00	0.01	2.09	141.89	0.92	1.19	1.00	0.01
2.10	142.49	0.93	1.15	1.00	0.01	2.11	141.53	0.91	1.23	1.00	0.01
2.12	140.35	0.88	1.34	1.00	0.01	2.13	140.34	0.88	1.35	1.00	0.01
2.14	140.22	0.88	1.37	1.00	0.01	2.15	140.08	0.87	1.38	1.00	0.01
2.16	142.32	0.92	1.19	1.00	0.01	2.17	142.75	0.93	1.16	1.00	0.01
2.18	144.35	0.96	1.04	1.00	0.01	2.19	144.93	0.98	1.00	1.00	0.01
2.20	145.52	0.99	0.96	1.00	0.01	2.21	146.35	1.01	0.91	1.00	0.01
2.22	146.82	1.02	0.89	1.00	0.01	2.23	147.53	1.04	0.85	1.00	0.01
2.24	147.77	1.04	0.83	1.00	0.01	2.25	148.59	1.07	0.79	1.00	0.01
2.26	149.06	1.08	0.76	1.00	0.01	2.27	150.69	1.13	0.68	1.00	0.01
2.28	151.74	1.16	0.63	1.00	0.01	2.29	154.62	1.26	0.50	1.00	0.00
2.30	159.09	1.44	0.31	1.00	0.00	2.31	161.37	1.55	0.23	1.00	0.00
2.32	166.34	1.84	0.07	1.00	0.00	2.33	168.46	1.99	0.00	1.00	0.00
2.34	173.59	2.00	0.00	1.00	0.00	2.35	176.02	2.00	0.00	1.00	0.00
2.36	179.87	2.00	0.00	1.00	0.00	2.37	181.89	2.00	0.00	1.00	0.00
2.38	182.43	2.00	0.00	1.00	0.00	2.39	182.85	2.00	0.00	1.00	0.00
2.40	183.17	2.00	0.00	1.00	0.00	2.41	182.56	2.00	0.00	1.00	0.00
2.42	182.22	2.00	0.00	1.00	0.00	2.43	180.90	2.00	0.00	1.00	0.00
2.44	179.68	2.00	0.00	1.00	0.00	2.45	178.68	2.00	0.00	1.00	0.00
2.46	176.81	2.00	0.00	1.00	0.00	2.47	175.26	2.00	0.00	1.00	0.00
2.48	173.81	2.00	0.00	1.00	0.00	2.49	173.36	2.00	0.00	1.00	0.00
2.50	172.91	2.00	0.00	1.00	0.00	2.51	172.79	2.00	0.00	1.00	0.00
2.52	172.56	2.00	0.00	1.00	0.00	2.53	173.00	2.00	0.00	1.00	0.00
2.54	173.54	2.00	0.00	1.00	0.00	2.55	175.19	2.00	0.00	1.00	0.00
2.56	175.18	2.00	0.00	1.00	0.00	2.57	173.63	2.00	0.00	1.00	0.00
2.58	172.08	2.00	0.00	1.00	0.00	2.59	171.63	2.00	0.00	1.00	0.00
2.60	171.62	2.00	0.00	1.00	0.00	2.61	171.07	2.00	0.00	1.00	0.00
2.62	169.18	1.99	0.00	1.00	0.00	2.63	168.62	1.95	0.02	1.00	0.00
2.64	168.51	1.94	0.03	1.00	0.00	2.65	167.84	1.89	0.05	1.00	0.00
2.66	167.17	1.84	0.07	1.00	0.00	2.67	166.06	1.76	0.11	1.00	0.00
2.68	165.84	1.75	0.11	1.00	0.00	2.69	165.83	1.75	0.12	1.00	0.00
2.70	166.05	1.76	0.11	1.00	0.00	2.71	165.93	1.75	0.11	1.00	0.00
2.72	165.26	1.71	0.14	1.00	0.00	2.73	164.15	1.64	0.18	1.00	0.00
2.74	162.03	1.52	0.25	1.00	0.00	2.75	161.25	1.48	0.28	1.00	0.00
2.76	159.35	1.39	0.36	1.00	0.00	2.77	159.13	1.38	0.37	1.00	0.00
2.78	159.69	1.41	0.34	1.00	0.00	2.79	162.27	1.53	0.25	1.00	0.00
2.80	163.94	1.62	0.19	1.00	0.00	2.81	167.15	1.82	0.08	1.00	0.00
2.82	170.02	2.00	0.00	1.00	0.00	2.83	171.56	2.00	0.00	1.00	0.00
2.84	173.42	2.00	0.00	1.00	0.00	2.85	174.51	2.00	0.00	1.00	0.00
2.86	175.93	2.00	0.00	1.00	0.00	2.87	176.25	2.00	0.00	1.00	0.00
2.88	177.66	2.00	0.00	1.00	0.00	2.89	178.64	2.00	0.00	1.00	0.00
2.90	178.42	2.00	0.00	1.00	0.00	2.91	178.31	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	178.20	2.00	0.00	1.00	0.00	2.93	172.76	2.00	0.00	1.00	0.00
2.94	173.41	2.00	0.00	1.00	0.00	2.95	173.52	2.00	0.00	1.00	0.00
2.96	173.31	2.00	0.00	1.00	0.00	2.97	172.11	2.00	0.00	1.00	0.00
2.98	171.45	2.00	0.00	1.00	0.00	2.99	169.27	1.94	0.02	1.00	0.00
3.00	166.42	1.74	0.12	1.00	0.00	3.01	164.66	1.64	0.18	1.00	0.00
3.02	164.99	1.65	0.17	1.00	0.00	3.03	165.98	1.71	0.13	1.00	0.00
3.04	168.07	1.85	0.06	1.00	0.00	3.05	169.39	1.94	0.02	1.00	0.00
3.06	173.09	2.00	0.00	1.00	0.00	3.07	176.24	2.00	0.00	1.00	0.00
3.08	183.78	2.00	0.00	1.00	0.00	3.09	192.40	2.00	0.00	1.00	0.00
3.10	197.25	2.00	0.00	1.00	0.00	3.11	206.55	2.00	0.00	1.00	0.00
3.12	213.80	2.00	0.00	1.00	0.00	3.13	216.98	2.00	0.00	1.00	0.00
3.14	223.97	2.00	0.00	1.00	0.00	3.15	226.84	2.00	0.00	1.00	0.00
3.16	231.84	2.00	0.00	1.00	0.00	3.17	233.87	2.00	0.00	1.00	0.00
3.18	233.25	2.00	0.00	1.00	0.00	3.19	232.32	2.00	0.00	1.00	0.00
3.20	232.20	2.00	0.00	1.00	0.00	3.21	232.49	2.00	0.00	1.00	0.00
3.22	232.07	2.00	0.00	1.00	0.00	3.23	229.40	2.00	0.00	1.00	0.00
3.24	227.13	2.00	0.00	1.00	0.00	3.25	223.63	2.00	0.00	1.00	0.00
3.26	219.92	2.00	0.00	1.00	0.00	3.27	218.17	2.00	0.00	1.00	0.00
3.28	216.21	2.00	0.00	1.00	0.00	3.29	215.89	2.00	0.00	1.00	0.00
3.30	216.49	2.00	0.00	1.00	0.00	3.31	218.63	2.00	0.00	1.00	0.00
3.32	222.31	2.00	0.00	1.00	0.00	3.33	223.73	2.00	0.00	1.00	0.00
3.34	225.97	2.00	0.00	1.00	0.00	3.35	226.17	2.00	0.00	1.00	0.00
3.36	226.87	2.00	0.00	1.00	0.00	3.37	226.45	2.00	0.00	1.00	0.00
3.38	226.23	2.00	0.00	1.00	0.00	3.39	225.09	2.00	0.00	1.00	0.00
3.40	222.51	2.00	0.00	1.00	0.00	3.41	220.76	2.00	0.00	1.00	0.00
3.42	217.08	2.00	0.00	1.00	0.00	3.43	213.58	2.00	0.00	1.00	0.00
3.44	211.41	2.00	0.00	1.00	0.00	3.45	208.82	2.00	0.00	1.00	0.00
3.46	206.76	2.00	0.00	1.00	0.00	3.47	205.42	2.00	0.00	1.00	0.00
3.48	202.44	2.00	0.00	1.00	0.00	3.49	199.18	2.00	0.00	1.00	0.00
3.50	197.48	2.00	0.00	1.00	0.00	3.51	195.63	2.00	0.00	1.00	0.00
3.52	194.99	2.00	0.00	1.00	0.00	3.53	193.74	2.00	0.00	1.00	0.00
3.54	191.48	2.00	0.00	1.00	0.00	3.55	189.27	2.00	0.00	1.00	0.00
3.56	185.04	2.00	0.00	1.00	0.00	3.57	183.11	2.00	0.00	1.00	0.00
3.58	182.04	2.00	0.00	1.00	0.00	3.59	182.07	2.00	0.00	1.00	0.00
3.60	181.78	2.00	0.00	1.00	0.00	3.61	181.74	2.00	0.00	1.00	0.00
3.62	179.89	2.00	0.00	1.00	0.00	3.63	177.94	2.00	0.00	1.00	0.00
3.64	177.74	2.00	0.00	1.00	0.00	3.65	175.89	2.00	0.00	1.00	0.00
3.66	175.92	2.00	0.00	1.00	0.00	3.67	173.91	2.00	0.00	1.00	0.00
3.68	170.90	2.00	0.00	1.00	0.00	3.69	167.83	1.78	0.10	1.00	0.00
3.70	165.15	1.62	0.19	1.00	0.00	3.71	162.08	1.45	0.30	1.00	0.00
3.72	160.04	1.36	0.39	1.00	0.00	3.73	156.66	1.22	0.54	1.00	0.01
3.74	152.54	1.08	0.75	1.00	0.01	3.75	150.82	1.03	0.85	1.00	0.01
3.76	146.24	0.91	1.18	1.00	0.01	3.77	145.08	0.88	1.28	1.00	0.01
3.78	141.98	0.82	1.60	1.00	0.02	3.79	137.98	0.74	2.18	1.00	0.02
3.80	140.35	0.78	1.81	1.00	0.02	3.81	136.50	0.72	2.31	1.00	0.02
3.82	138.10	0.74	2.17	1.00	0.02	3.83	134.24	0.69	2.35	1.00	0.02
3.84	130.06	0.63	2.43	1.00	0.02	3.85	129.27	0.62	2.45	1.00	0.02
3.86	124.86	0.57	2.54	1.00	0.03	3.87	123.76	0.56	2.57	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	120.90	0.53	2.63	1.00	0.03	3.89	119.89	0.52	2.66	1.00	0.03
3.90	119.32	0.52	2.67	1.00	0.03	3.91	119.08	0.52	2.68	1.00	0.03
3.92	118.06	0.51	2.70	1.00	0.03	3.93	118.12	0.51	2.70	1.00	0.03
3.94	117.27	0.50	2.72	1.00	0.03	3.95	120.10	0.52	2.65	1.00	0.03
3.96	116.27	0.49	2.75	1.00	0.03	3.97	117.83	0.50	2.71	1.00	0.03
3.98	117.59	0.50	2.71	1.00	0.03	3.99	120.44	0.53	2.64	1.00	0.03
4.00	121.48	0.53	2.62	1.00	0.03	4.01	119.51	0.52	2.67	1.00	0.03
4.02	119.42	0.52	2.67	1.00	0.03	4.03	115.36	0.48	2.77	1.00	0.03
4.04	114.32	0.47	2.80	1.00	0.03	4.05	111.38	0.45	2.87	1.00	0.03
4.06	110.88	0.45	2.89	1.00	0.03	4.07	109.13	0.44	2.94	1.00	0.03
4.08	107.34	0.43	2.99	1.00	0.03	4.09	104.13	0.41	3.08	1.00	0.03
4.10	102.88	0.40	3.12	1.00	0.03	4.11	100.05	0.39	3.21	1.00	0.03
4.12	98.36	0.38	3.27	1.00	0.03	4.13	98.06	0.38	3.28	1.00	0.03
4.14	98.11	0.38	3.28	1.00	0.03	4.15	98.83	0.38	3.25	1.00	0.03
4.16	98.84	0.38	3.25	1.00	0.03	4.17	98.48	0.38	3.26	1.00	0.03
4.18	98.12	0.38	3.28	1.00	0.03	4.19	98.39	0.38	3.27	1.00	0.03
4.20	99.46	0.38	3.23	1.00	0.03	4.21	99.79	0.38	3.22	1.00	0.03
4.22	99.27	0.38	3.24	1.00	0.03	4.23	99.09	0.38	3.24	1.00	0.03
4.24	98.19	0.38	3.27	1.00	0.03	4.25	98.35	0.38	3.27	1.00	0.03
4.26	95.79	0.37	3.36	1.00	0.03	4.27	94.04	0.36	3.42	1.00	0.03
4.28	90.25	0.34	3.56	1.00	0.04	4.29	89.97	0.34	3.57	1.00	0.04
4.30	89.88	0.34	3.58	1.00	0.04	4.31	92.87	0.35	3.46	1.00	0.03
4.32	94.22	0.36	3.41	1.00	0.03	4.33	95.73	0.36	3.36	1.00	0.03
4.34	97.00	0.37	3.31	1.00	0.03	4.35	97.40	0.37	3.30	1.00	0.03
4.36	97.00	0.37	3.31	1.00	0.03	4.37	96.79	0.37	3.32	1.00	0.03
4.38	94.79	0.36	3.39	1.00	0.03	4.39	93.50	0.35	3.44	1.00	0.03
4.40	93.43	0.35	3.44	1.00	0.03	4.41	94.86	0.36	3.39	1.00	0.03
4.42	96.24	0.36	3.34	1.00	0.03	4.43	97.89	0.37	3.28	1.00	0.03
4.44	102.01	0.39	3.15	1.00	0.03	4.45	103.94	0.40	3.09	1.00	0.03
4.46	106.95	0.42	3.00	1.00	0.03	4.47	107.70	0.42	2.98	1.00	0.03
4.48	108.32	0.42	2.96	1.00	0.03	4.49	108.17	0.42	2.96	1.00	0.03
4.50	107.62	0.42	2.98	1.00	0.03	4.51	105.00	0.41	3.06	1.00	0.03
4.52	107.26	0.42	2.99	1.00	0.03	4.53	108.37	0.42	2.96	1.00	0.03
4.54	113.00	0.45	2.83	1.00	0.03	4.55	116.82	0.48	2.73	1.00	0.03
4.56	116.60	0.48	2.74	1.00	0.03	4.57	119.53	0.50	2.67	1.00	0.03
4.58	118.04	0.49	2.70	1.00	0.03	4.59	118.51	0.49	2.69	1.00	0.03
4.60	118.71	0.49	2.69	1.00	0.03	4.61	117.04	0.48	2.73	1.00	0.03
4.62	117.34	0.48	2.72	1.00	0.03	4.63	116.21	0.47	2.75	1.00	0.03
4.64	116.04	0.47	2.75	1.00	0.03	4.65	115.45	0.47	2.77	1.00	0.03
4.66	114.89	0.46	2.78	1.00	0.03	4.67	114.20	0.46	2.80	1.00	0.03
4.68	114.69	0.46	2.79	1.00	0.03	4.69	114.44	0.46	2.79	1.00	0.03
4.70	112.94	0.45	2.83	1.00	0.03	4.71	114.40	0.46	2.79	1.00	0.03
4.72	110.72	0.44	2.89	1.00	0.03	4.73	110.13	0.43	2.91	1.00	0.03
4.74	106.95	0.41	3.00	1.00	0.03	4.75	105.64	0.40	3.04	1.00	0.03
4.76	105.78	0.41	3.03	1.00	0.03	4.77	104.89	0.40	3.06	1.00	0.03
4.78	104.96	0.40	3.06	1.00	0.03	4.79	104.40	0.40	3.07	1.00	0.03
4.80	103.03	0.39	3.12	1.00	0.03	4.81	101.23	0.38	3.17	1.00	0.03
4.82	98.13	0.37	3.28	1.00	0.03	4.83	94.07	0.35	3.42	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	90.78	0.34	3.54	1.00	0.04	4.85	89.15	0.33	3.61	1.00	0.04
4.86	88.62	0.33	3.63	1.00	0.04	4.87	88.86	0.33	3.62	1.00	0.04
4.88	90.76	0.34	3.54	1.00	0.04	4.89	92.06	0.34	3.49	1.00	0.03
4.90	97.94	0.37	3.28	1.00	0.03	4.91	97.86	0.36	3.28	1.00	0.03
4.92	97.80	0.36	3.29	1.00	0.03	4.93	101.07	0.38	3.18	1.00	0.03
4.94	103.83	0.39	3.09	1.00	0.03	4.95	102.18	0.38	3.14	1.00	0.03
4.96	100.46	0.38	3.20	1.00	0.03	4.97	94.80	0.35	3.39	1.00	0.03
4.98	92.05	0.34	3.49	1.00	0.03	4.99	89.15	0.33	3.61	1.00	0.04
5.00	92.88	0.34	3.46	1.00	0.03	5.01	91.51	0.34	3.51	1.00	0.04
5.02	97.48	0.36	3.30	1.00	0.03	5.03	98.82	0.37	3.25	1.00	0.03
5.04	101.93	0.38	3.15	1.00	0.03	5.05	104.29	0.39	3.08	1.00	0.03
5.06	104.75	0.40	3.06	1.00	0.03	5.07	106.40	0.40	3.01	1.00	0.03
5.08	107.27	0.41	2.99	1.00	0.03	5.09	108.35	0.41	2.96	1.00	0.03
5.10	107.67	0.41	2.98	1.00	0.03	5.11	109.54	0.42	2.92	1.00	0.03
5.12	106.87	0.41	3.00	1.00	0.03	5.13	107.94	0.41	2.97	1.00	0.03
5.14	104.10	0.39	3.08	1.00	0.03	5.15	101.77	0.38	3.16	1.00	0.03
5.16	100.44	0.37	3.20	1.00	0.03	5.17	97.39	0.36	3.30	1.00	0.03
5.18	95.90	0.35	3.35	1.00	0.03	5.19	93.49	0.34	3.44	1.00	0.03
5.20	91.53	0.34	3.51	1.00	0.04	5.21	89.64	0.33	3.59	1.00	0.04
5.22	88.66	0.33	3.63	1.00	0.04	5.23	87.34	0.32	3.68	1.00	0.04
5.24	89.17	0.33	3.61	1.00	0.04	5.25	89.85	0.33	3.58	1.00	0.04
5.26	92.51	0.34	3.48	1.00	0.03	5.27	95.94	0.35	3.35	1.00	0.03
5.28	97.54	0.36	3.30	1.00	0.03	5.29	100.24	0.37	3.21	1.00	0.03
5.30	101.98	0.38	3.15	1.00	0.03	5.31	103.07	0.38	3.12	1.00	0.03
5.32	104.75	0.39	3.06	1.00	0.03	5.33	106.09	0.40	3.02	1.00	0.03
5.34	106.99	0.40	3.00	1.00	0.03	5.35	107.64	0.41	2.98	1.00	0.03
5.36	108.52	0.41	2.95	1.00	0.03	5.37	107.93	0.41	2.97	1.00	0.03
5.38	107.87	0.41	2.97	1.00	0.03	5.39	106.67	0.40	3.01	1.00	0.03
5.40	105.18	0.39	3.05	1.00	0.03	5.41	104.06	0.39	3.08	1.00	0.03
5.42	101.15	0.37	3.18	1.00	0.03	5.43	99.06	0.36	3.24	1.00	0.03
5.44	96.04	0.35	3.35	1.00	0.03	5.45	92.10	0.34	3.49	1.00	0.03
5.46	89.75	0.33	3.58	1.00	0.04	5.47	88.03	0.32	3.65	1.00	0.04
5.48	84.27	0.31	3.81	1.00	0.04	5.49	84.14	0.31	3.82	1.00	0.04
5.50	82.49	0.30	3.89	1.00	0.04	5.51	84.18	0.31	3.82	1.00	0.04
5.52	87.20	0.32	3.69	1.00	0.04	5.53	86.65	0.32	3.71	1.00	0.04
5.54	88.52	0.32	3.63	1.00	0.04	5.55	89.04	0.32	3.61	1.00	0.04
5.56	88.16	0.32	3.65	1.00	0.04	5.57	88.34	0.32	3.64	1.00	0.04
5.58	88.56	0.32	3.63	1.00	0.04	5.59	88.76	0.32	3.62	1.00	0.04
5.60	89.46	0.32	3.59	1.00	0.04	5.61	90.07	0.33	3.57	1.00	0.04
5.62	91.45	0.33	3.52	1.00	0.04	5.63	92.40	0.33	3.48	1.00	0.03
5.64	93.45	0.34	3.44	1.00	0.03	5.65	94.36	0.34	3.41	1.00	0.03
5.66	94.32	0.34	3.41	1.00	0.03	5.67	94.33	0.34	3.41	1.00	0.03
5.68	92.51	0.33	3.48	1.00	0.03	5.69	91.66	0.33	3.51	1.00	0.04
5.70	89.42	0.32	3.60	1.00	0.04	5.71	86.81	0.31	3.70	1.00	0.04
5.72	86.22	0.31	3.73	1.00	0.04	5.73	83.83	0.31	3.83	1.00	0.04
5.74	81.53	0.30	3.94	1.00	0.04	5.75	82.88	0.30	3.87	1.00	0.04
5.76	81.06	0.30	3.96	1.00	0.04	5.77	83.77	0.30	3.83	1.00	0.04
5.78	83.95	0.30	3.83	1.00	0.04	5.79	86.34	0.31	3.72	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	90.44	0.33	3.56	1.00	0.04	5.81	92.59	0.33	3.47	1.00	0.03
5.82	92.71	0.33	3.47	1.00	0.03	5.83	91.72	0.33	3.51	1.00	0.04
5.84	88.37	0.32	3.64	1.00	0.04	5.85	84.30	0.31	3.81	1.00	0.04
5.86	83.06	0.30	3.87	1.00	0.04	5.87	83.86	0.30	3.83	1.00	0.04
5.88	84.65	0.31	3.80	1.00	0.04	5.89	85.23	0.31	3.77	1.00	0.04
5.90	86.70	0.31	3.71	1.00	0.04	5.91	86.72	0.31	3.71	1.00	0.04
5.92	82.44	0.30	3.89	1.00	0.04	5.93	82.01	0.30	3.91	1.00	0.04
5.94	79.26	0.29	4.05	1.00	0.04	5.95	80.02	0.29	4.01	1.00	0.04
5.96	82.04	0.30	3.91	1.00	0.04	5.97	83.88	0.30	3.83	1.00	0.04
5.98	86.53	0.31	3.71	1.00	0.04	5.99	89.84	0.32	3.58	1.00	0.04
6.00	93.09	0.33	3.45	1.00	0.03	6.01	90.58	0.33	3.55	1.00	0.04
6.02	93.14	0.33	3.45	1.00	0.03	6.03	93.83	0.34	3.43	1.00	0.03
6.04	92.49	0.33	3.48	1.00	0.03	6.05	92.88	0.33	3.46	1.00	0.03
6.06	92.86	0.33	3.46	1.00	0.03	6.07	90.75	0.33	3.54	1.00	0.04
6.08	90.94	0.33	3.54	1.00	0.04	6.09	89.75	0.32	3.58	1.00	0.04
6.10	90.41	0.32	3.56	1.00	0.04	6.11	91.64	0.33	3.51	1.00	0.04
6.12	92.02	0.33	3.49	1.00	0.03	6.13	93.29	0.33	3.45	1.00	0.03
6.14	97.01	0.35	3.31	1.00	0.03	6.15	98.27	0.35	3.27	1.00	0.03
6.16	101.76	0.37	3.16	1.00	0.03	6.17	103.79	0.38	3.09	1.00	0.03
6.18	105.59	0.39	3.04	1.00	0.03	6.19	106.78	0.39	3.00	1.00	0.03
6.20	107.52	0.40	2.98	1.00	0.03	6.21	106.68	0.39	3.01	1.00	0.03
6.22	105.59	0.39	3.04	1.00	0.03	6.23	104.39	0.38	3.07	1.00	0.03
6.24	103.08	0.38	3.11	1.00	0.03	6.25	101.23	0.37	3.17	1.00	0.03
6.26	99.85	0.36	3.22	1.00	0.03	6.27	98.82	0.36	3.25	1.00	0.03
6.28	98.38	0.35	3.27	1.00	0.03	6.29	98.26	0.35	3.27	1.00	0.03
6.30	99.32	0.36	3.24	1.00	0.03	6.31	99.72	0.36	3.22	1.00	0.03
6.32	100.37	0.36	3.20	1.00	0.03	6.33	100.70	0.36	3.19	1.00	0.03
6.34	100.26	0.36	3.20	1.00	0.03	6.35	100.32	0.36	3.20	1.00	0.03
6.36	99.62	0.36	3.23	1.00	0.03	6.37	98.74	0.36	3.25	1.00	0.03
6.38	98.10	0.35	3.28	1.00	0.03	6.39	98.55	0.35	3.26	1.00	0.03
6.40	98.91	0.36	3.25	1.00	0.03	6.41	99.28	0.36	3.24	1.00	0.03
6.42	101.43	0.37	3.17	1.00	0.03	6.43	101.91	0.37	3.15	1.00	0.03
6.44	102.06	0.37	3.15	1.00	0.03	6.45	106.66	0.39	3.01	1.00	0.03
6.46	109.23	0.41	2.93	1.00	0.03	6.47	112.01	0.42	2.86	1.00	0.03
6.48	123.18	0.51	2.58	1.00	0.03	6.49	122.46	0.50	2.60	1.00	0.03
6.50	124.36	0.52	2.56	1.00	0.03	6.51	121.17	0.49	2.63	1.00	0.03
6.52	120.45	0.48	2.64	1.00	0.03	6.53	119.10	0.47	2.68	1.00	0.03
6.54	117.52	0.46	2.71	1.00	0.03	6.55	115.42	0.44	2.77	1.00	0.03
6.56	113.77	0.43	2.81	1.00	0.03	6.57	111.93	0.42	2.86	1.00	0.03
6.58	111.54	0.42	2.87	1.00	0.03	6.59	107.58	0.40	2.98	1.00	0.03
6.60	102.45	0.37	3.13	1.00	0.03	6.61	97.51	0.35	3.30	1.00	0.03
6.62	103.17	0.37	3.11	1.00	0.03	6.63	106.40	0.39	3.01	1.00	0.03
6.64	109.09	0.40	2.94	1.00	0.03	6.65	112.09	0.42	2.85	1.00	0.03
6.66	112.56	0.43	2.84	1.00	0.03	6.67	113.24	0.43	2.82	1.00	0.03
6.68	113.29	0.43	2.82	1.00	0.03	6.69	110.92	0.41	2.89	1.00	0.03
6.70	108.14	0.40	2.96	1.00	0.03	6.71	105.67	0.39	3.04	1.00	0.03
6.72	99.29	0.36	3.24	1.00	0.03	6.73	95.23	0.34	3.38	1.00	0.03
6.74	91.03	0.32	3.53	1.00	0.04	6.75	83.00	0.30	3.87	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	79.99	0.29	4.01	1.00	0.04	6.77	80.44	0.29	3.99	1.00	0.04
6.78	89.25	0.32	3.60	1.00	0.04	6.79	96.86	0.35	3.32	1.00	0.03
6.80	99.24	0.36	3.24	1.00	0.03	6.81	102.37	0.37	3.14	1.00	0.03
6.82	103.46	0.37	3.10	1.00	0.03	6.83	103.61	0.38	3.10	1.00	0.03
6.84	103.60	0.38	3.10	1.00	0.03	6.85	105.09	0.38	3.05	1.00	0.03
6.86	104.81	0.38	3.06	1.00	0.03	6.87	103.72	0.38	3.09	1.00	0.03
6.88	105.54	0.38	3.04	1.00	0.03	6.89	103.90	0.38	3.09	1.00	0.03
6.90	104.48	0.38	3.07	1.00	0.03	6.91	104.16	0.38	3.08	1.00	0.03
6.92	99.73	0.36	3.22	1.00	0.03	6.93	86.24	0.31	3.73	1.00	0.04
6.94	80.25	0.29	4.00	1.00	0.04	6.95	78.05	0.28	4.11	1.00	0.04
6.96	77.56	0.28	4.13	1.00	0.04	6.97	75.28	0.28	4.25	1.00	0.04
6.98	73.91	0.27	4.32	1.00	0.04	6.99	72.82	0.27	4.38	1.00	0.04
7.00	71.81	0.27	4.44	1.00	0.04	7.01	75.62	0.28	4.23	1.00	0.04
7.02	81.61	0.29	3.93	1.00	0.04	7.03	87.18	0.31	3.69	1.00	0.04
7.04	91.05	0.32	3.53	1.00	0.04	7.05	93.51	0.33	3.44	1.00	0.03
7.06	96.37	0.34	3.34	1.00	0.03	7.07	98.27	0.35	3.27	1.00	0.03
7.08	99.66	0.36	3.22	1.00	0.03	7.09	101.23	0.36	3.17	1.00	0.03
7.10	100.08	0.36	3.21	1.00	0.03	7.11	100.58	0.36	3.19	1.00	0.03
7.12	100.25	0.36	3.21	1.00	0.03	7.13	98.98	0.35	3.25	1.00	0.03
7.14	99.03	0.35	3.25	1.00	0.03	7.15	98.48	0.35	3.26	1.00	0.03
7.16	101.21	0.36	3.17	1.00	0.03	7.17	100.28	0.36	3.20	1.00	0.03
7.18	99.46	0.36	3.23	1.00	0.03	7.19	99.36	0.35	3.23	1.00	0.03
7.20	98.20	0.35	3.27	1.00	0.03	7.21	98.57	0.35	3.26	1.00	0.03
7.22	97.80	0.35	3.29	1.00	0.03	7.23	99.02	0.35	3.25	1.00	0.03
7.24	98.50	0.35	3.26	1.00	0.03	7.25	97.75	0.35	3.29	1.00	0.03
7.26	97.69	0.35	3.29	1.00	0.03	7.27	97.81	0.35	3.29	1.00	0.03
7.28	99.93	0.36	3.22	1.00	0.03	7.29	100.06	0.36	3.21	1.00	0.03
7.30	100.82	0.36	3.19	1.00	0.03	7.31	101.16	0.36	3.18	1.00	0.03
7.32	98.70	0.35	3.26	1.00	0.03	7.33	97.53	0.35	3.30	1.00	0.03
7.34	96.34	0.34	3.34	1.00	0.03	7.35	92.03	0.33	3.49	1.00	0.03
7.36	90.08	0.32	3.57	1.00	0.04	7.37	87.87	0.31	3.66	1.00	0.04
7.38	80.70	0.29	3.98	1.00	0.04	7.39	21.19	2.00	0.00	1.00	0.00
7.40	19.77	2.00	0.00	1.00	0.00	7.41	16.32	2.00	0.00	1.00	0.00
7.42	14.15	2.00	0.00	1.00	0.00	7.43	13.82	2.00	0.00	1.00	0.00
7.44	18.87	2.00	0.00	1.00	0.00	7.45	22.29	2.00	0.00	1.00	0.00
7.46	24.95	2.00	0.00	1.00	0.00	7.47	25.47	2.00	0.00	1.00	0.00
7.48	23.96	2.00	0.00	1.00	0.00	7.49	21.60	2.00	0.00	1.00	0.00
7.50	17.20	2.00	0.00	1.00	0.00	7.51	16.12	2.00	0.00	1.00	0.00
7.52	14.82	2.00	0.00	1.00	0.00	7.53	12.88	2.00	0.00	1.00	0.00
7.54	11.91	2.00	0.00	1.00	0.00	7.55	10.83	2.00	0.00	1.00	0.00
7.56	8.99	2.00	0.00	1.00	0.00	7.57	8.02	2.00	0.00	1.00	0.00
7.58	7.58	2.00	0.00	1.00	0.00	7.59	7.36	2.00	0.00	1.00	0.00
7.60	7.47	2.00	0.00	1.00	0.00	7.61	7.57	2.00	0.00	1.00	0.00
7.62	8.00	2.00	0.00	1.00	0.00	7.63	8.32	2.00	0.00	1.00	0.00
7.64	8.63	2.00	0.00	1.00	0.00	7.65	9.38	2.00	0.00	1.00	0.00
7.66	9.59	2.00	0.00	1.00	0.00	7.67	10.01	2.00	0.00	1.00	0.00
7.68	11.18	2.00	0.00	1.00	0.00	7.69	11.82	2.00	0.00	1.00	0.00
7.70	12.35	2.00	0.00	1.00	0.00	7.71	13.30	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	13.51	2.00	0.00	1.00	0.00	7.73	13.50	2.00	0.00	1.00	0.00
7.74	13.18	2.00	0.00	1.00	0.00	7.75	12.85	2.00	0.00	1.00	0.00
7.76	12.53	2.00	0.00	1.00	0.00	7.77	12.52	2.00	0.00	1.00	0.00
7.78	12.62	2.00	0.00	1.00	0.00	7.79	12.72	2.00	0.00	1.00	0.00
7.80	12.93	2.00	0.00	1.00	0.00	7.81	13.03	2.00	0.00	1.00	0.00
7.82	13.13	2.00	0.00	1.00	0.00	7.83	13.65	2.00	0.00	1.00	0.00
7.84	13.64	2.00	0.00	1.00	0.00	7.85	13.53	2.00	0.00	1.00	0.00
7.86	13.52	2.00	0.00	1.00	0.00	7.87	13.62	2.00	0.00	1.00	0.00
7.88	13.72	2.00	0.00	1.00	0.00	7.89	13.92	2.00	0.00	1.00	0.00
7.90	14.34	2.00	0.00	1.00	0.00	7.91	14.33	2.00	0.00	1.00	0.00
7.92	14.33	2.00	0.00	1.00	0.00	7.93	15.90	2.00	0.00	1.00	0.00
7.94	18.11	2.00	0.00	1.00	0.00	7.95	19.15	2.00	0.00	1.00	0.00
7.96	19.88	2.00	0.00	1.00	0.00	7.97	20.71	2.00	0.00	1.00	0.00
7.98	21.02	2.00	0.00	1.00	0.00	7.99	21.22	2.00	0.00	1.00	0.00
8.00	21.94	2.00	0.00	1.00	0.00	8.01	21.61	2.00	0.00	1.00	0.00
8.02	21.08	2.00	0.00	1.00	0.00	8.03	20.12	2.00	0.00	1.00	0.00
8.04	18.02	2.00	0.00	1.00	0.00	8.05	17.28	2.00	0.00	1.00	0.00
8.06	15.70	2.00	0.00	1.00	0.00	8.07	14.85	2.00	0.00	1.00	0.00
8.08	14.01	2.00	0.00	1.00	0.00	8.09	12.95	2.00	0.00	1.00	0.00
8.10	13.16	2.00	0.00	1.00	0.00	8.11	13.99	2.00	0.00	1.00	0.00
8.12	14.61	2.00	0.00	1.00	0.00	8.13	15.65	2.00	0.00	1.00	0.00
8.14	17.73	2.00	0.00	1.00	0.00	8.15	18.34	2.00	0.00	1.00	0.00
8.16	18.13	2.00	0.00	1.00	0.00	8.17	17.70	2.00	0.00	1.00	0.00
8.18	16.55	2.00	0.00	1.00	0.00	8.19	15.91	2.00	0.00	1.00	0.00
8.20	15.18	2.00	0.00	1.00	0.00	8.21	13.71	2.00	0.00	1.00	0.00
8.22	12.98	2.00	0.00	1.00	0.00	8.23	12.14	2.00	0.00	1.00	0.00
8.24	12.13	2.00	0.00	1.00	0.00	8.25	12.44	2.00	0.00	1.00	0.00
8.26	12.54	2.00	0.00	1.00	0.00	8.27	12.74	2.00	0.00	1.00	0.00
8.28	12.84	2.00	0.00	1.00	0.00	8.29	12.94	2.00	0.00	1.00	0.00
8.30	13.14	2.00	0.00	1.00	0.00	8.31	13.34	2.00	0.00	1.00	0.00
8.32	13.65	2.00	0.00	1.00	0.00	8.33	13.75	2.00	0.00	1.00	0.00
8.34	13.84	2.00	0.00	1.00	0.00	8.35	14.25	2.00	0.00	1.00	0.00
8.36	14.56	2.00	0.00	1.00	0.00	8.37	14.86	2.00	0.00	1.00	0.00
8.38	14.85	2.00	0.00	1.00	0.00	8.39	14.84	2.00	0.00	1.00	0.00
8.40	14.53	2.00	0.00	1.00	0.00	8.41	14.42	2.00	0.00	1.00	0.00
8.42	14.20	2.00	0.00	1.00	0.00	8.43	14.20	2.00	0.00	1.00	0.00
8.44	14.30	2.00	0.00	1.00	0.00	8.45	14.39	2.00	0.00	1.00	0.00
8.46	14.70	2.00	0.00	1.00	0.00	8.47	15.20	2.00	0.00	1.00	0.00
8.48	15.40	2.00	0.00	1.00	0.00	8.49	15.71	2.00	0.00	1.00	0.00
8.50	15.80	2.00	0.00	1.00	0.00	8.51	15.79	2.00	0.00	1.00	0.00
8.52	15.58	2.00	0.00	1.00	0.00	8.53	15.37	2.00	0.00	1.00	0.00
8.54	14.95	2.00	0.00	1.00	0.00	8.55	14.74	2.00	0.00	1.00	0.00
8.56	14.53	2.00	0.00	1.00	0.00	8.57	14.01	2.00	0.00	1.00	0.00
8.58	13.69	2.00	0.00	1.00	0.00	8.59	12.97	2.00	0.00	1.00	0.00
8.60	12.65	2.00	0.00	1.00	0.00	8.61	12.65	2.00	0.00	1.00	0.00
8.62	12.54	2.00	0.00	1.00	0.00	8.63	12.43	2.00	0.00	1.00	0.00
8.64	12.43	2.00	0.00	1.00	0.00	8.65	12.42	2.00	0.00	1.00	0.00
8.66	12.62	2.00	0.00	1.00	0.00	8.67	12.62	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
8.68	12.41	2.00	0.00	1.00	0.00	8.69	12.40	2.00	0.00	1.00	0.00
8.70	12.60	2.00	0.00	1.00	0.00	8.71	12.39	2.00	0.00	1.00	0.00
8.72	12.28	2.00	0.00	1.00	0.00	8.73	12.17	2.00	0.00	1.00	0.00
8.74	12.07	2.00	0.00	1.00	0.00	8.75	11.96	2.00	0.00	1.00	0.00
8.76	11.95	2.00	0.00	1.00	0.00	8.77	12.15	2.00	0.00	1.00	0.00
8.78	12.15	2.00	0.00	1.00	0.00	8.79	12.14	2.00	0.00	1.00	0.00
8.80	11.93	2.00	0.00	1.00	0.00	8.81	11.93	2.00	0.00	1.00	0.00
8.82	11.82	2.00	0.00	1.00	0.00	8.83	11.61	2.00	0.00	1.00	0.00
8.84	11.51	2.00	0.00	1.00	0.00	8.85	11.50	2.00	0.00	1.00	0.00
8.86	11.70	2.00	0.00	1.00	0.00	8.87	11.80	2.00	0.00	1.00	0.00
8.88	12.10	2.00	0.00	1.00	0.00	8.89	12.29	2.00	0.00	1.00	0.00
8.90	12.29	2.00	0.00	1.00	0.00	8.91	12.28	2.00	0.00	1.00	0.00
8.92	12.28	2.00	0.00	1.00	0.00	8.93	12.78	2.00	0.00	1.00	0.00
8.94	12.47	2.00	0.00	1.00	0.00	8.95	12.26	2.00	0.00	1.00	0.00
8.96	12.16	2.00	0.00	1.00	0.00	8.97	12.36	2.00	0.00	1.00	0.00
8.98	12.65	2.00	0.00	1.00	0.00	8.99	13.46	2.00	0.00	1.00	0.00
9.00	13.75	2.00	0.00	1.00	0.00	9.01	13.75	2.00	0.00	1.00	0.00
9.02	13.64	2.00	0.00	1.00	0.00	9.03	13.43	2.00	0.00	1.00	0.00
9.04	13.43	2.00	0.00	1.00	0.00	9.05	13.22	2.00	0.00	1.00	0.00
9.06	12.71	2.00	0.00	1.00	0.00	9.07	12.00	2.00	0.00	1.00	0.00
9.08	11.79	2.00	0.00	1.00	0.00	9.09	11.69	2.00	0.00	1.00	0.00
9.10	11.78	2.00	0.00	1.00	0.00	9.11	11.88	2.00	0.00	1.00	0.00
9.12	11.78	2.00	0.00	1.00	0.00	9.13	11.87	2.00	0.00	1.00	0.00
9.14	12.07	2.00	0.00	1.00	0.00	9.15	12.26	2.00	0.00	1.00	0.00
9.16	12.36	2.00	0.00	1.00	0.00	9.17	12.35	2.00	0.00	1.00	0.00
9.18	12.65	2.00	0.00	1.00	0.00	9.19	12.74	2.00	0.00	1.00	0.00
9.20	12.74	2.00	0.00	1.00	0.00	9.21	12.63	2.00	0.00	1.00	0.00
9.22	12.43	2.00	0.00	1.00	0.00	9.23	12.42	2.00	0.00	1.00	0.00
9.24	12.32	2.00	0.00	1.00	0.00	9.25	12.31	2.00	0.00	1.00	0.00
9.26	12.41	2.00	0.00	1.00	0.00	9.27	12.30	2.00	0.00	1.00	0.00
9.28	12.30	2.00	0.00	1.00	0.00	9.29	12.09	2.00	0.00	1.00	0.00
9.30	11.99	2.00	0.00	1.00	0.00	9.31	11.98	2.00	0.00	1.00	0.00
9.32	12.18	2.00	0.00	1.00	0.00	9.33	12.17	2.00	0.00	1.00	0.00
9.34	12.27	2.00	0.00	1.00	0.00	9.35	12.66	2.00	0.00	1.00	0.00
9.36	12.86	2.00	0.00	1.00	0.00	9.37	12.85	2.00	0.00	1.00	0.00
9.38	12.84	2.00	0.00	1.00	0.00	9.39	12.64	2.00	0.00	1.00	0.00
9.40	12.54	2.00	0.00	1.00	0.00	9.41	12.53	2.00	0.00	1.00	0.00
9.42	12.53	2.00	0.00	1.00	0.00	9.43	12.52	2.00	0.00	1.00	0.00
9.44	12.62	2.00	0.00	1.00	0.00	9.45	12.61	2.00	0.00	1.00	0.00
9.46	12.80	2.00	0.00	1.00	0.00	9.47	12.80	2.00	0.00	1.00	0.00
9.48	12.79	2.00	0.00	1.00	0.00	9.49	12.79	2.00	0.00	1.00	0.00
9.50	12.59	2.00	0.00	1.00	0.00	9.51	12.78	2.00	0.00	1.00	0.00
9.52	12.67	2.00	0.00	1.00	0.00	9.53	12.57	2.00	0.00	1.00	0.00
9.54	12.47	2.00	0.00	1.00	0.00	9.55	12.36	2.00	0.00	1.00	0.00
9.56	12.36	2.00	0.00	1.00	0.00	9.57	12.45	2.00	0.00	1.00	0.00
9.58	12.45	2.00	0.00	1.00	0.00	9.59	12.44	2.00	0.00	1.00	0.00
9.60	12.34	2.00	0.00	1.00	0.00	9.61	12.33	2.00	0.00	1.00	0.00
9.62	12.33	2.00	0.00	1.00	0.00	9.63	12.72	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	12.81	2.00	0.00	1.00	0.00	9.65	12.91	2.00	0.00	1.00	0.00
9.66	13.00	2.00	0.00	1.00	0.00	9.67	13.09	2.00	0.00	1.00	0.00
9.68	13.38	2.00	0.00	1.00	0.00	9.69	13.48	2.00	0.00	1.00	0.00
9.70	13.37	2.00	0.00	1.00	0.00	9.71	13.07	2.00	0.00	1.00	0.00
9.72	12.97	2.00	0.00	1.00	0.00	9.73	12.87	2.00	0.00	1.00	0.00
9.74	12.76	2.00	0.00	1.00	0.00	9.75	12.76	2.00	0.00	1.00	0.00
9.76	12.95	2.00	0.00	1.00	0.00	9.77	13.14	2.00	0.00	1.00	0.00
9.78	13.33	2.00	0.00	1.00	0.00	9.79	13.91	2.00	0.00	1.00	0.00
9.80	14.01	2.00	0.00	1.00	0.00	9.81	14.20	2.00	0.00	1.00	0.00
9.82	14.58	2.00	0.00	1.00	0.00	9.83	14.28	2.00	0.00	1.00	0.00
9.84	13.79	2.00	0.00	1.00	0.00	9.85	13.29	2.00	0.00	1.00	0.00
9.86	13.09	2.00	0.00	1.00	0.00	9.87	12.79	2.00	0.00	1.00	0.00
9.88	12.01	2.00	0.00	1.00	0.00	9.89	11.81	2.00	0.00	1.00	0.00
9.90	11.80	2.00	0.00	1.00	0.00	9.91	11.80	2.00	0.00	1.00	0.00
9.92	11.79	2.00	0.00	1.00	0.00	9.93	12.47	2.00	0.00	1.00	0.00
9.94	12.37	2.00	0.00	1.00	0.00	9.95	12.36	2.00	0.00	1.00	0.00
9.96	12.26	2.00	0.00	1.00	0.00	9.97	12.16	2.00	0.00	1.00	0.00
9.98	12.15	2.00	0.00	1.00	0.00	9.99	11.95	2.00	0.00	1.00	0.00
10.00	11.85	2.00	0.00	1.00	0.00	10.01	12.04	2.00	0.00	1.00	0.00
10.02	11.84	2.00	0.00	1.00	0.00	10.03	11.94	2.00	0.00	1.00	0.00
10.04	12.22	2.00	0.00	1.00	0.00	10.05	12.22	2.00	0.00	1.00	0.00
10.06	12.31	2.00	0.00	1.00	0.00	10.07	12.31	2.00	0.00	1.00	0.00
10.08	12.30	2.00	0.00	1.00	0.00	10.09	12.39	2.00	0.00	1.00	0.00
10.10	12.29	2.00	0.00	1.00	0.00	10.11	12.00	2.00	0.00	1.00	0.00
10.12	11.89	2.00	0.00	1.00	0.00	10.13	11.89	2.00	0.00	1.00	0.00
10.14	11.88	2.00	0.00	1.00	0.00	10.15	11.98	2.00	0.00	1.00	0.00
10.16	11.88	2.00	0.00	1.00	0.00	10.17	11.97	2.00	0.00	1.00	0.00
10.18	12.06	2.00	0.00	1.00	0.00	10.19	11.86	2.00	0.00	1.00	0.00
10.20	11.66	2.00	0.00	1.00	0.00	10.21	11.56	2.00	0.00	1.00	0.00
10.22	11.56	2.00	0.00	1.00	0.00	10.23	11.46	2.00	0.00	1.00	0.00
10.24	11.45	2.00	0.00	1.00	0.00	10.25	11.45	2.00	0.00	1.00	0.00
10.26	11.64	2.00	0.00	1.00	0.00	10.27	11.73	2.00	0.00	1.00	0.00
10.28	11.82	2.00	0.00	1.00	0.00	10.29	11.82	2.00	0.00	1.00	0.00
10.30	11.81	2.00	0.00	1.00	0.00	10.31	12.00	2.00	0.00	1.00	0.00
10.32	12.09	2.00	0.00	1.00	0.00	10.33	12.28	2.00	0.00	1.00	0.00
10.34	12.27	2.00	0.00	1.00	0.00	10.35	12.37	2.00	0.00	1.00	0.00
10.36	12.36	2.00	0.00	1.00	0.00	10.37	12.36	2.00	0.00	1.00	0.00
10.38	12.35	2.00	0.00	1.00	0.00	10.39	12.54	2.00	0.00	1.00	0.00
10.40	12.63	2.00	0.00	1.00	0.00	10.41	12.82	2.00	0.00	1.00	0.00
10.42	12.81	2.00	0.00	1.00	0.00	10.43	12.90	2.00	0.00	1.00	0.00
10.44	12.80	2.00	0.00	1.00	0.00	10.45	12.70	2.00	0.00	1.00	0.00
10.46	12.60	2.00	0.00	1.00	0.00	10.47	12.69	2.00	0.00	1.00	0.00
10.48	12.69	2.00	0.00	1.00	0.00	10.49	12.68	2.00	0.00	1.00	0.00
10.50	12.68	2.00	0.00	1.00	0.00	10.51	12.77	2.00	0.00	1.00	0.00
10.52	12.67	2.00	0.00	1.00	0.00	10.53	12.66	2.00	0.00	1.00	0.00
10.54	12.66	2.00	0.00	1.00	0.00	10.55	12.56	2.00	0.00	1.00	0.00
10.56	12.46	2.00	0.00	1.00	0.00	10.57	12.36	2.00	0.00	1.00	0.00
10.58	12.35	2.00	0.00	1.00	0.00	10.59	12.35	2.00	0.00	1.00	0.00

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
10.60	12.34	2.00	0.00	1.00	0.00	10.61	12.34	2.00	0.00	1.00	0.00
10.62	12.33	2.00	0.00	1.00	0.00	10.63	12.23	2.00	0.00	1.00	0.00
10.64	12.33	2.00	0.00	1.00	0.00	10.65	12.42	2.00	0.00	1.00	0.00
10.66	12.51	2.00	0.00	1.00	0.00	10.67	12.88	2.00	0.00	1.00	0.00
10.68	13.07	2.00	0.00	1.00	0.00	10.69	13.35	2.00	0.00	1.00	0.00
10.70	13.53	2.00	0.00	1.00	0.00	10.71	13.53	2.00	0.00	1.00	0.00
10.72	13.33	2.00	0.00	1.00	0.00	10.73	13.52	2.00	0.00	1.00	0.00
10.74	13.51	2.00	0.00	1.00	0.00	10.75	14.08	2.00	0.00	1.00	0.00
10.76	14.64	2.00	0.00	1.00	0.00	10.77	15.96	2.00	0.00	1.00	0.00
10.78	81.18	0.29	3.95	1.00	0.04	10.79	83.97	0.30	3.83	1.00	0.04
10.80	98.72	0.35	3.26	1.00	0.03	10.81	93.69	0.33	3.43	1.00	0.03
10.82	90.65	0.32	3.55	1.00	0.04	10.83	90.90	0.32	3.54	1.00	0.04
10.84	87.36	0.31	3.68	1.00	0.04	10.85	86.17	0.31	3.73	1.00	0.04
10.86	81.77	0.29	3.93	1.00	0.04	10.87	80.70	0.29	3.98	1.00	0.04
10.88	81.66	0.29	3.93	1.00	0.04	10.89	92.69	0.33	3.47	1.00	0.03
10.90	94.22	0.33	3.41	1.00	0.03	10.91	100.66	0.36	3.19	1.00	0.03
10.92	107.49	0.39	2.98	1.00	0.03	10.93	89.55	0.32	3.59	1.00	0.04
10.94	91.34	0.32	3.52	1.00	0.04	10.95	89.61	0.32	3.59	1.00	0.04
10.96	89.17	0.32	3.61	1.00	0.04	10.97	85.56	0.31	3.76	1.00	0.04
10.98	24.12	2.00	0.00	1.00	0.00	10.99	21.66	2.00	0.00	1.00	0.00
11.00	18.45	2.00	0.00	1.00	0.00	11.01	16.47	2.00	0.00	1.00	0.00
11.02	16.55	2.00	0.00	1.00	0.00	11.03	16.27	2.00	0.00	1.00	0.00
11.04	15.60	2.00	0.00	1.00	0.00	11.05	15.31	2.00	0.00	1.00	0.00
11.06	14.18	2.00	0.00	1.00	0.00	11.07	13.61	2.00	0.00	1.00	0.00
11.08	13.23	2.00	0.00	1.00	0.00	11.09	12.94	2.00	0.00	1.00	0.00
11.10	13.03	2.00	0.00	1.00	0.00	11.11	13.12	2.00	0.00	1.00	0.00
11.12	13.21	2.00	0.00	1.00	0.00	11.13	13.86	2.00	0.00	1.00	0.00
11.14	14.60	2.00	0.00	1.00	0.00	11.15	15.71	2.00	0.00	1.00	0.00
11.16	16.27	2.00	0.00	1.00	0.00	11.17	17.20	2.00	0.00	1.00	0.00
11.18	18.87	2.00	0.00	1.00	0.00	11.19	81.18	0.29	3.95	1.00	0.04
11.20	83.12	0.30	3.86	1.00	0.04	11.21	90.65	0.32	3.55	1.00	0.04
11.22	92.54	0.33	3.48	1.00	0.03	11.23	92.68	0.33	3.47	1.00	0.03
11.24	82.95	0.30	3.87	1.00	0.04	11.25	118.44	0.46	2.69	1.00	0.03
11.26	170.40	1.75	0.11	1.00	0.00	11.27	199.76	2.00	0.00	1.00	0.00
11.28	233.23	2.00	0.00	1.00	0.00	11.29	249.27	2.00	0.00	1.00	0.00
11.30	254.00	2.00	0.00	1.00	0.00	11.31	254.00	2.00	0.00	1.00	0.00
11.32	237.25	2.00	0.00	1.00	0.00	11.33	223.10	2.00	0.00	1.00	0.00
11.34	203.00	2.00	0.00	1.00	0.00	11.35	183.57	2.00	0.00	1.00	0.00
11.36	172.59	1.92	0.03	1.00	0.00	11.37	150.00	0.90	1.16	1.00	0.01
11.38	140.38	0.71	2.24	1.00	0.02	11.39	113.76	0.43	2.81	1.00	0.03
11.40	114.78	0.44	2.78	1.00	0.03	11.41	254.00	2.00	0.00	1.00	0.00

**Total estimated settlement: 13.83****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

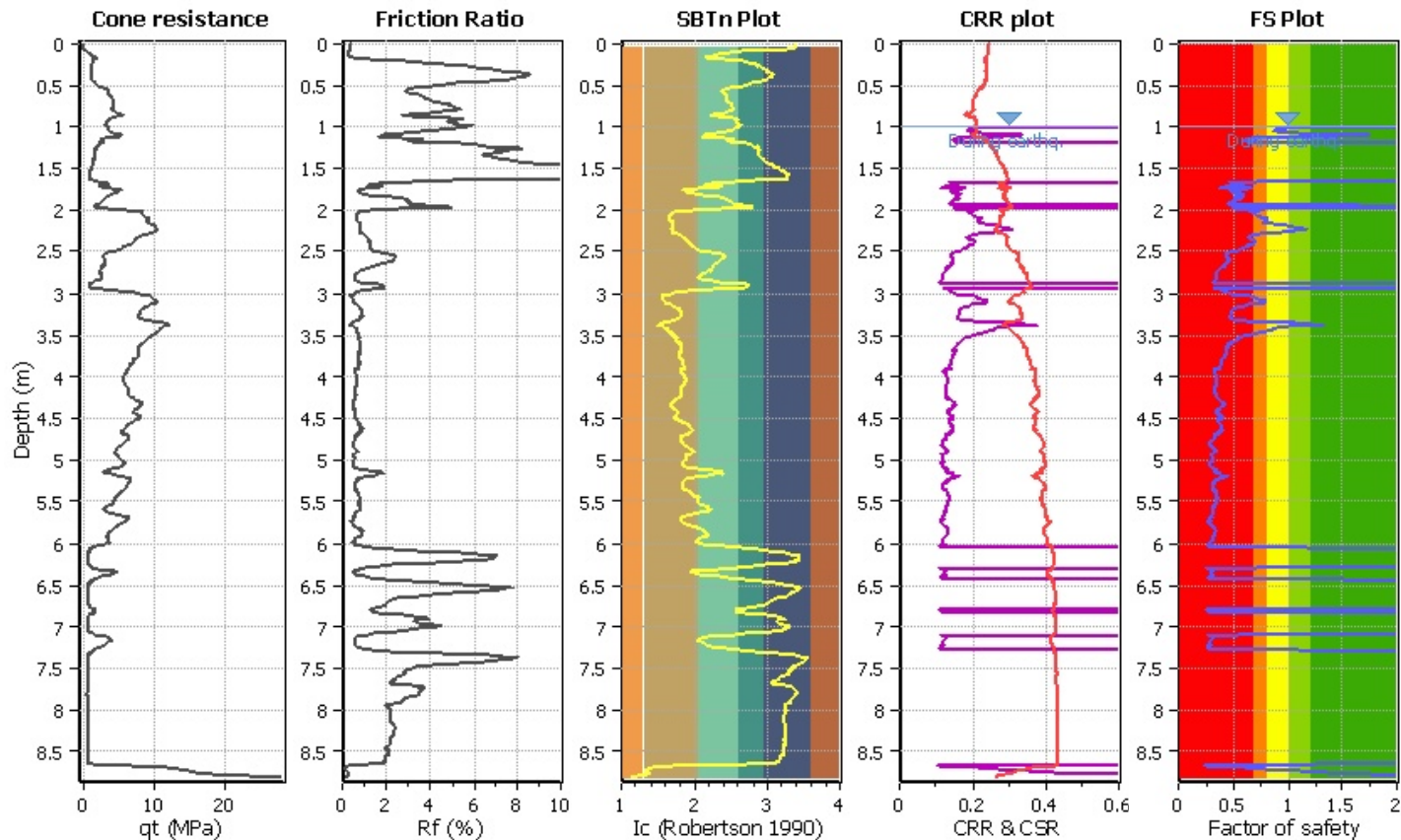
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

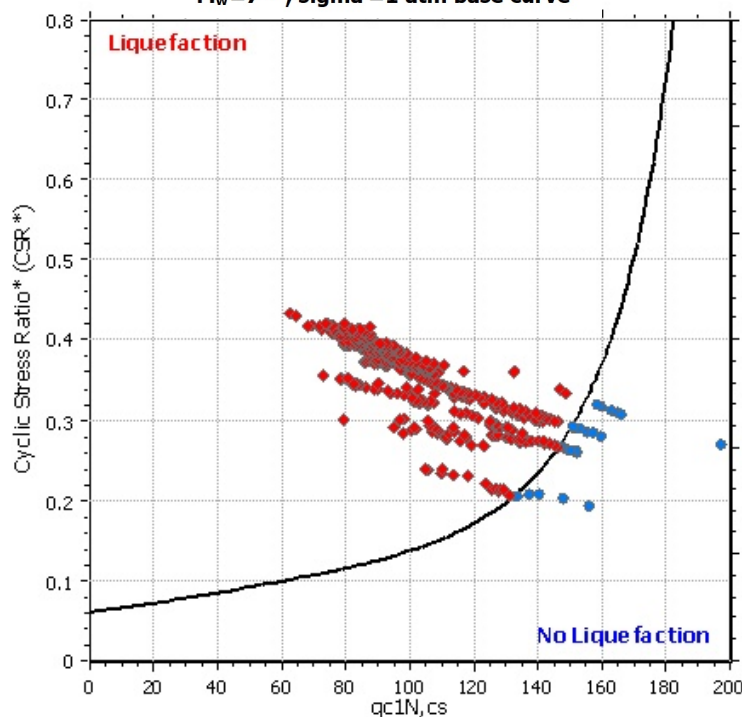
**CPT file : CPTU-03-2019**

**Input parameters and analysis data**

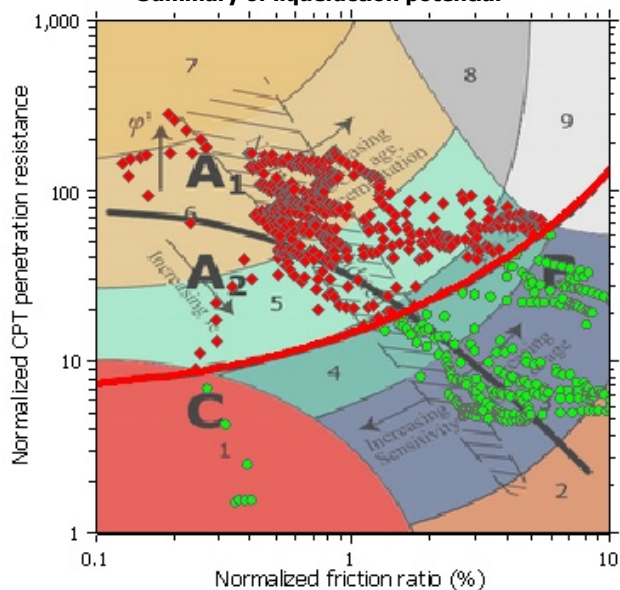
Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



$M_w=7^{1/2}$ ,  $\sigma_v=1$  atm base curve

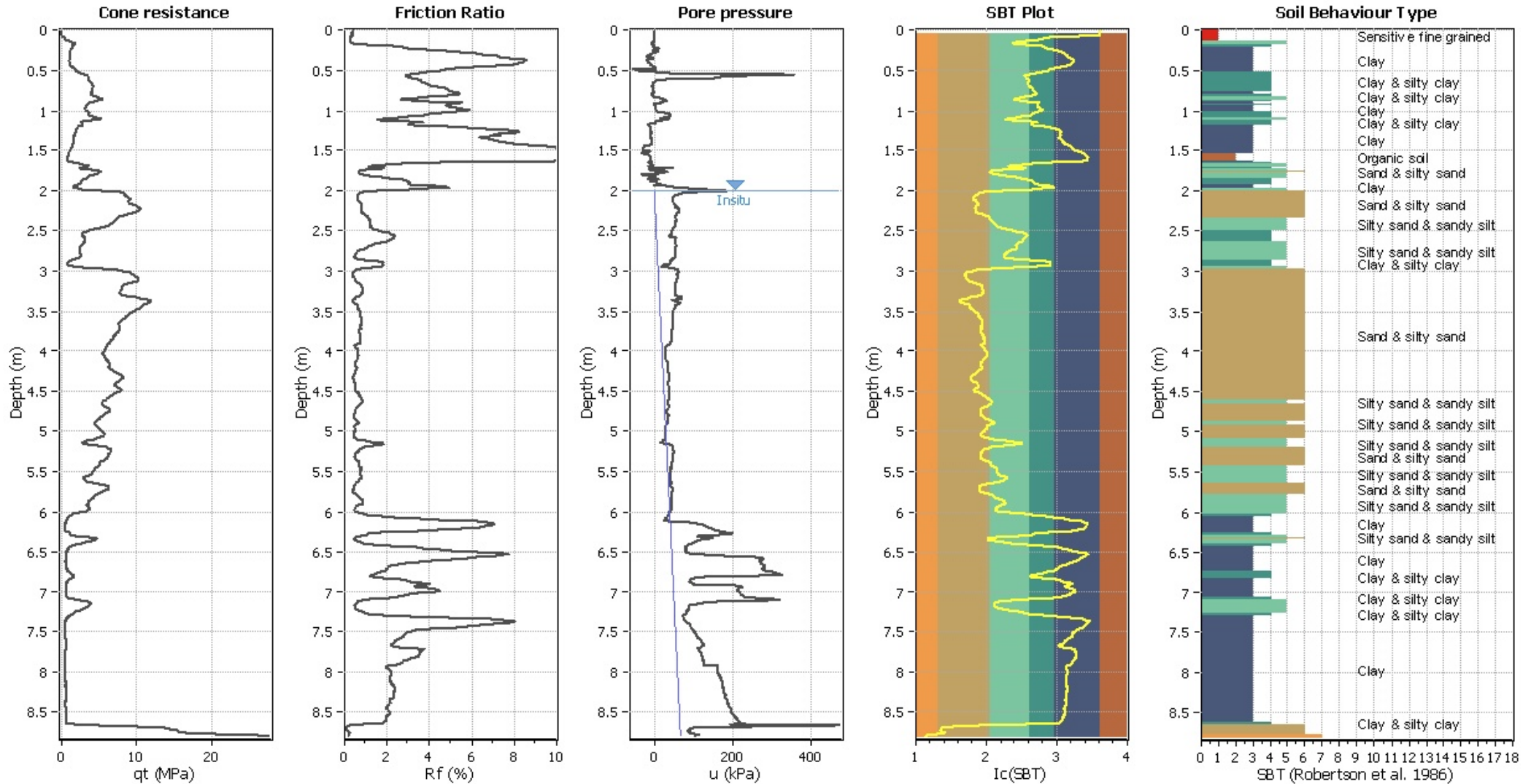


**Summary of liquefaction potential**



Zone A<sub>1</sub>: Cyclic liquefaction likely depending on size and duration of cyclic loading  
 Zone A<sub>2</sub>: Cyclic liquefaction and strength loss likely depending on loading and ground geometry  
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening  
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

### CPT basic interpretation plo



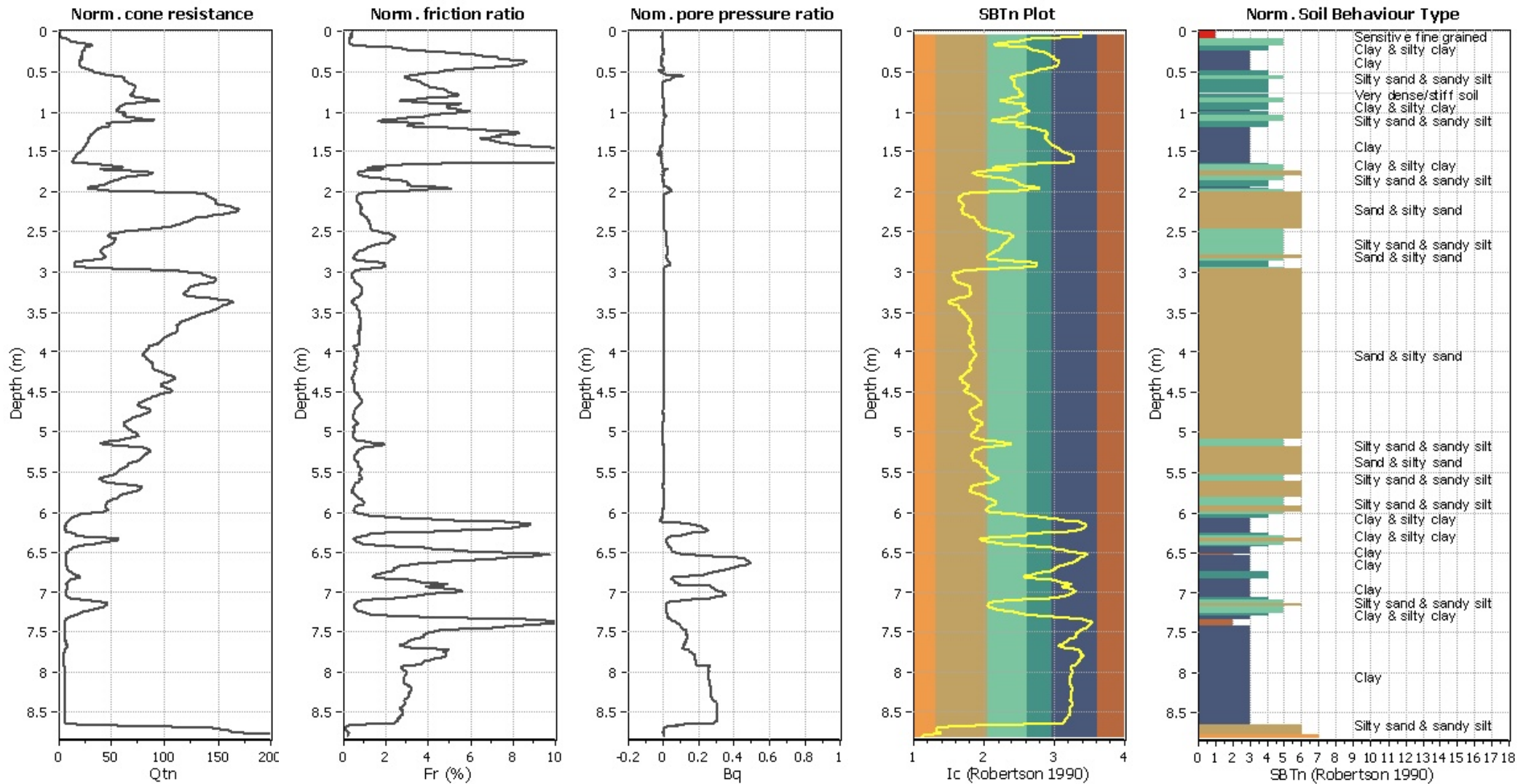
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



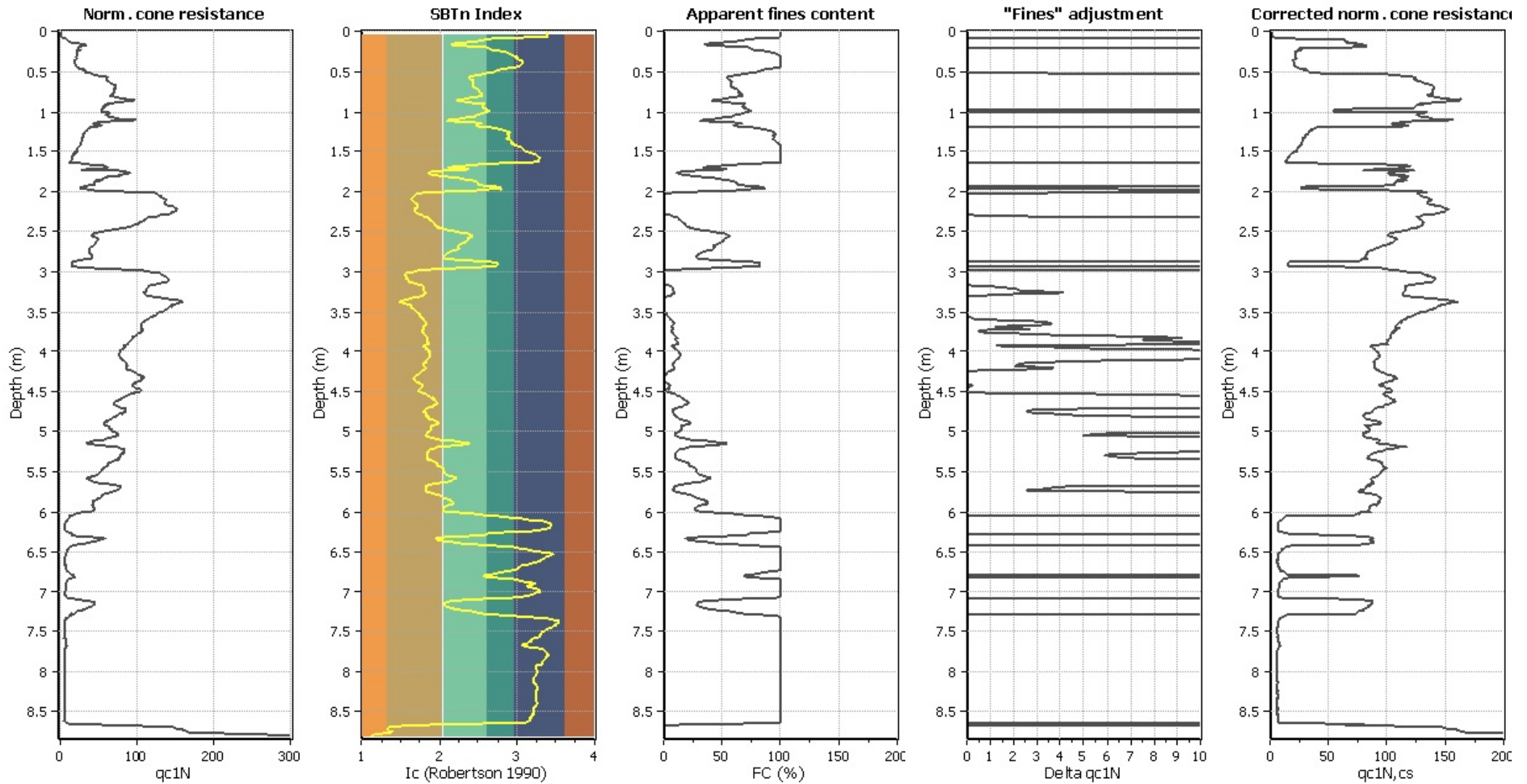
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

### Liquefaction analysis overall plots (intermediate resu

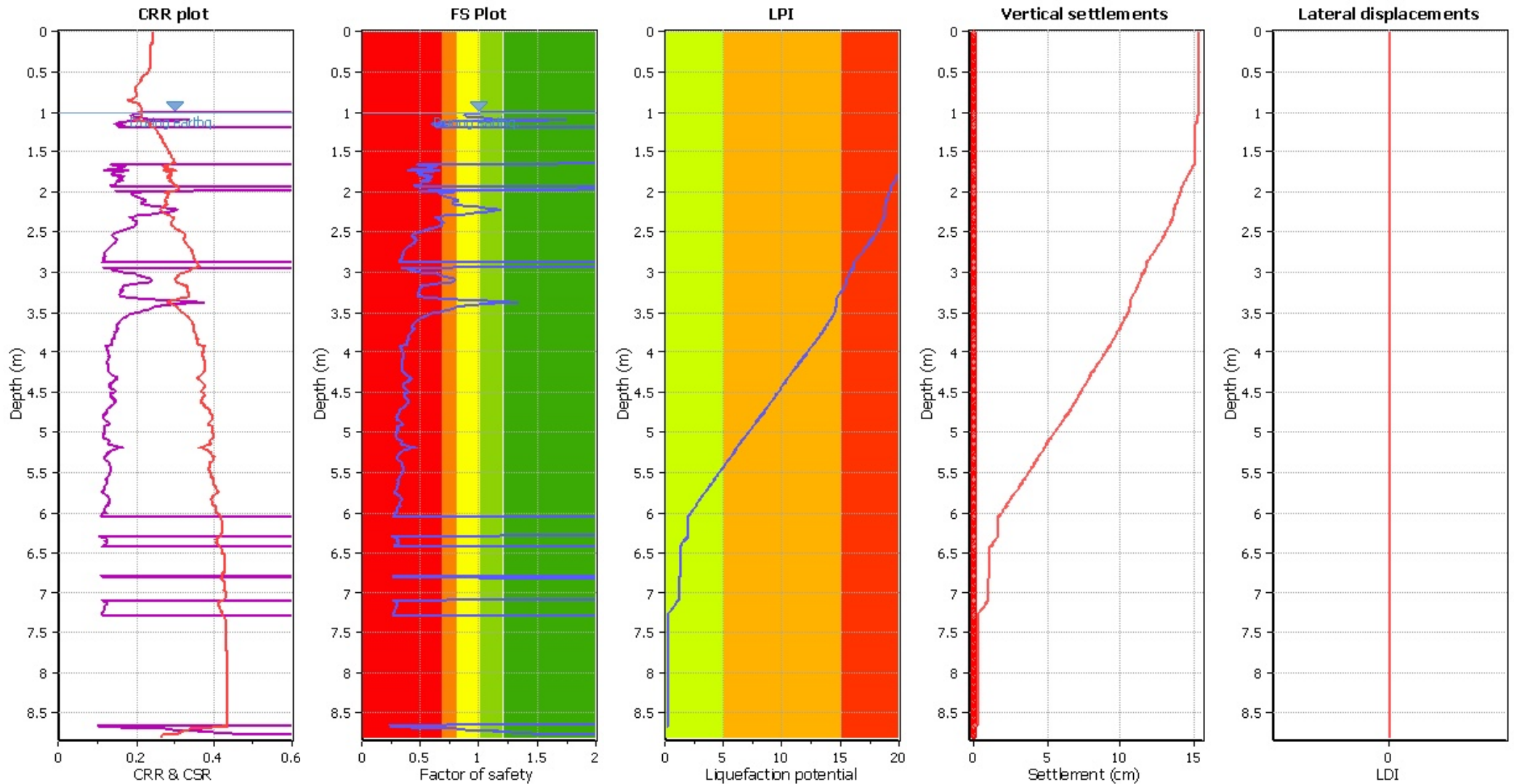


#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

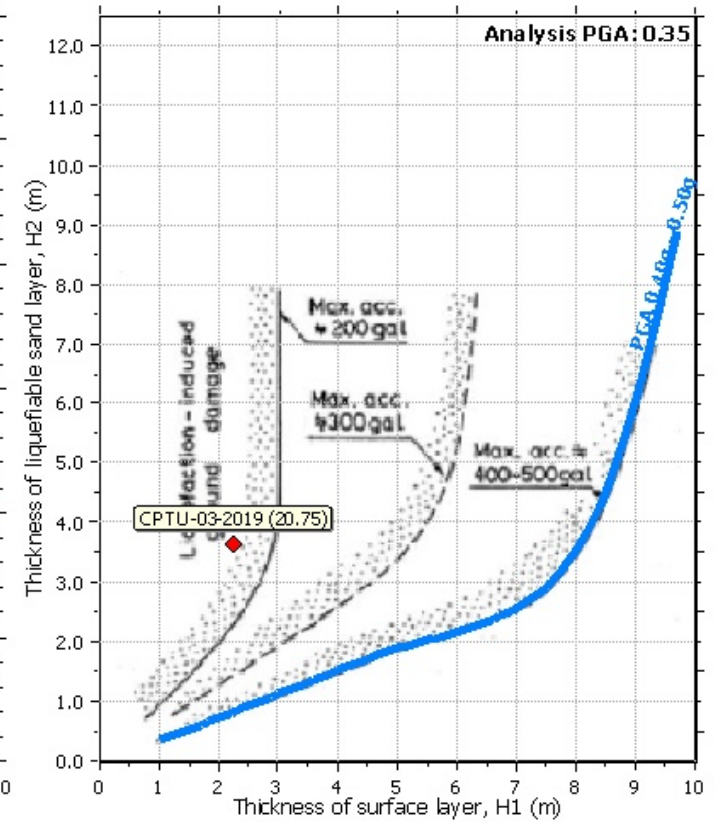
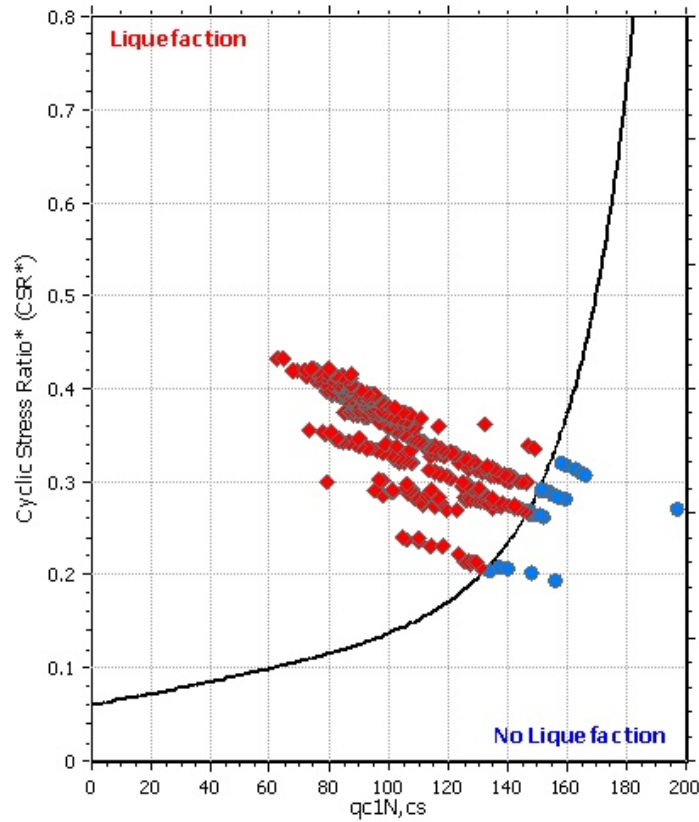
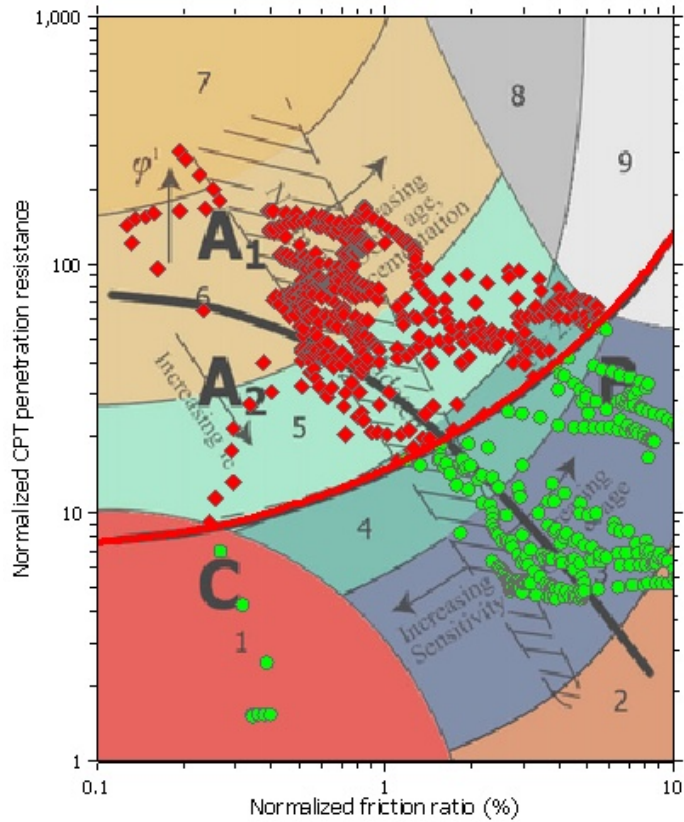
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

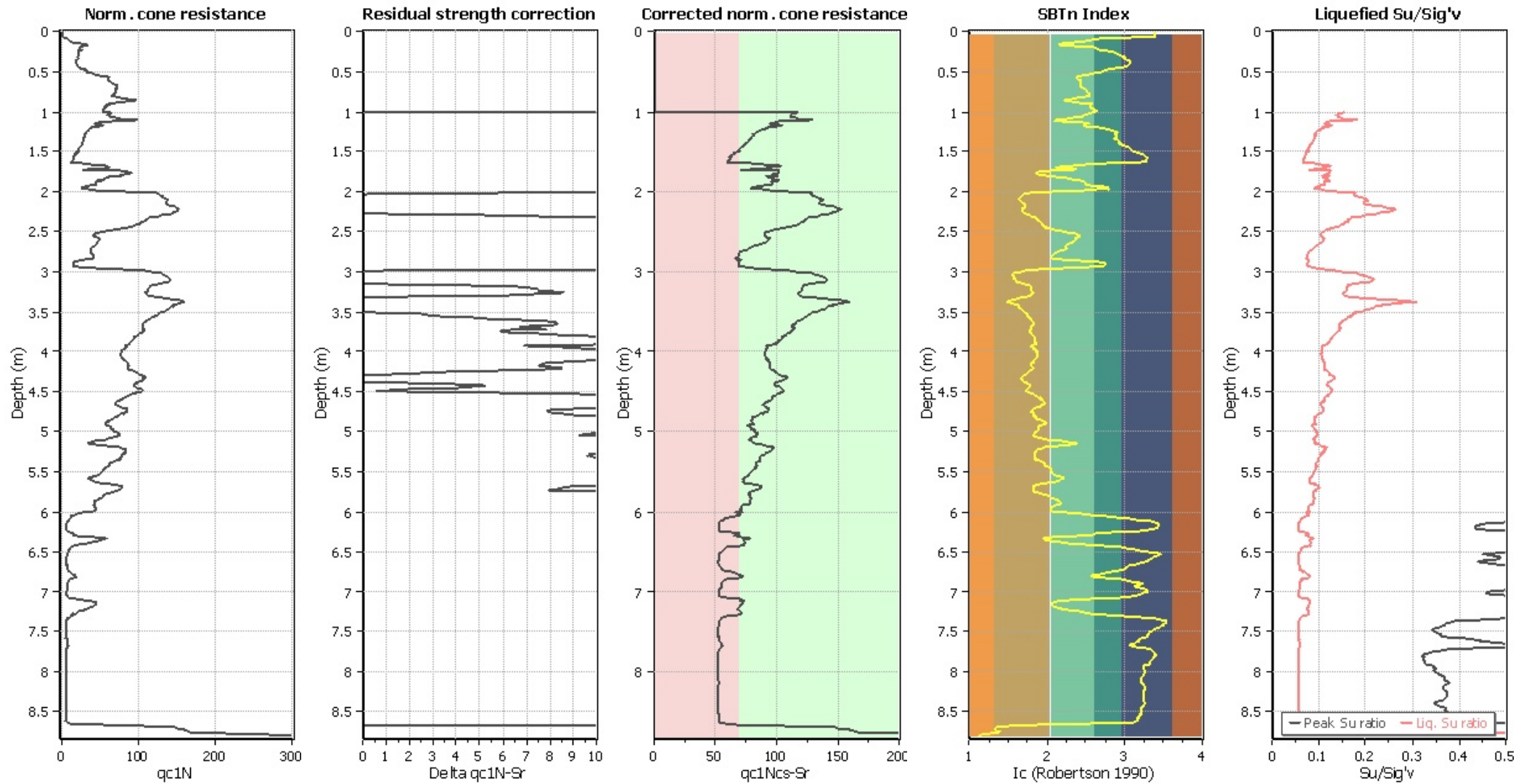
### Liquefaction analysis summary plo



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on $I_c$ value	$I_c$ cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	1.03	0.00	9.49	0.01	0.00	1.02	0.97	0.03	9.49	0.01	0.00
1.03	0.90	0.10	9.49	0.01	0.01	1.04	0.87	0.13	9.48	0.01	0.01
1.05	0.89	0.11	9.48	0.01	0.01	1.06	0.90	0.10	9.47	0.01	0.01
1.07	0.92	0.08	9.47	0.01	0.01	1.08	1.08	0.00	9.46	0.01	0.00
1.09	1.15	0.00	9.46	0.01	0.00	1.10	1.74	0.00	9.45	0.01	0.00
1.11	1.38	0.00	9.45	0.01	0.00	1.12	0.80	0.20	9.44	0.01	0.02
1.13	0.69	0.31	9.44	0.01	0.03	1.14	0.65	0.35	9.43	0.01	0.03
1.15	0.61	0.39	9.43	0.01	0.04	1.16	0.60	0.40	9.42	0.01	0.04
1.17	0.72	0.28	9.41	0.01	0.03	1.18	0.64	0.36	9.41	0.01	0.03
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	0.47	0.53	9.17	0.01	0.05
1.67	0.63	0.37	9.16	0.01	0.03	1.68	0.56	0.44	9.16	0.01	0.04
1.69	0.59	0.41	9.16	0.01	0.04	1.70	0.55	0.45	9.15	0.01	0.04
1.71	0.55	0.45	9.15	0.01	0.04	1.72	0.45	0.55	9.14	0.01	0.05
1.73	0.38	0.62	9.14	0.01	0.06	1.74	0.66	0.34	9.13	0.01	0.03
1.75	0.53	0.47	9.13	0.01	0.04	1.76	0.48	0.52	9.12	0.01	0.05
1.77	0.48	0.52	9.12	0.01	0.05	1.78	0.48	0.52	9.11	0.01	0.05
1.79	0.51	0.49	9.11	0.01	0.04	1.80	0.60	0.40	9.10	0.01	0.04
1.81	0.52	0.48	9.10	0.01	0.04	1.82	0.55	0.45	9.09	0.01	0.04
1.83	0.59	0.41	9.09	0.01	0.04	1.84	0.55	0.45	9.08	0.01	0.04
1.85	0.58	0.42	9.07	0.01	0.04	1.86	0.51	0.49	9.07	0.01	0.04
1.87	0.55	0.45	9.07	0.01	0.04	1.88	0.51	0.49	9.06	0.01	0.04
1.89	0.50	0.50	9.06	0.01	0.05	1.90	0.50	0.50	9.05	0.01	0.05
1.91	0.50	0.50	9.05	0.01	0.05	1.92	0.45	0.55	9.04	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	0.44	0.56	9.04	0.01	0.05	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	0.49	0.51	9.01	0.01	0.05
1.99	0.54	0.46	9.01	0.01	0.04	2.00	0.78	0.22	9.00	0.01	0.02
2.01	0.67	0.33	8.99	0.01	0.03	2.02	0.65	0.35	8.99	0.01	0.03
2.03	0.67	0.33	8.99	0.01	0.03	2.04	0.68	0.32	8.98	0.01	0.03
2.05	0.71	0.29	8.98	0.01	0.03	2.06	0.72	0.28	8.97	0.01	0.03
2.07	0.74	0.26	8.97	0.01	0.02	2.08	0.76	0.24	8.96	0.01	0.02
2.09	0.81	0.19	8.96	0.01	0.02	2.10	0.82	0.18	8.95	0.01	0.02
2.11	0.82	0.18	8.95	0.01	0.02	2.12	0.80	0.20	8.94	0.01	0.02
2.13	0.77	0.23	8.94	0.01	0.02	2.14	0.77	0.23	8.93	0.01	0.02
2.15	0.78	0.22	8.93	0.01	0.02	2.16	0.82	0.18	8.92	0.01	0.02
2.17	0.86	0.14	8.91	0.01	0.01	2.18	0.90	0.10	8.91	0.01	0.01
2.19	1.00	0.00	8.91	0.01	0.00	2.20	1.06	0.00	8.90	0.01	0.00
2.21	1.10	0.00	8.90	0.01	0.00	2.22	1.18	0.00	8.89	0.01	0.00
2.23	1.16	0.00	8.89	0.01	0.00	2.24	1.12	0.00	8.88	0.01	0.00
2.25	1.02	0.00	8.88	0.01	0.00	2.26	0.96	0.04	8.87	0.01	0.00
2.27	0.93	0.07	8.87	0.01	0.01	2.28	0.89	0.11	8.86	0.01	0.01
2.29	0.76	0.24	8.86	0.01	0.02	2.30	0.69	0.31	8.85	0.01	0.03
2.31	0.66	0.34	8.85	0.01	0.03	2.32	0.62	0.38	8.84	0.01	0.03
2.33	0.65	0.35	8.84	0.01	0.03	2.34	0.65	0.35	8.83	0.01	0.03
2.35	0.66	0.34	8.82	0.01	0.03	2.36	0.68	0.32	8.82	0.01	0.03
2.37	0.69	0.31	8.82	0.01	0.03	2.38	0.70	0.30	8.81	0.01	0.03
2.39	0.69	0.31	8.81	0.01	0.03	2.40	0.69	0.31	8.80	0.01	0.03
2.41	0.68	0.32	8.80	0.01	0.03	2.42	0.68	0.32	8.79	0.01	0.03
2.43	0.64	0.36	8.79	0.01	0.03	2.44	0.62	0.38	8.78	0.01	0.03
2.45	0.61	0.39	8.78	0.01	0.03	2.46	0.57	0.43	8.77	0.01	0.04
2.47	0.56	0.44	8.77	0.01	0.04	2.48	0.54	0.46	8.76	0.01	0.04
2.49	0.52	0.48	8.76	0.01	0.04	2.50	0.51	0.49	8.75	0.01	0.04
2.51	0.45	0.55	8.74	0.01	0.05	2.52	0.44	0.56	8.74	0.01	0.05
2.53	0.43	0.57	8.74	0.01	0.05	2.54	0.43	0.57	8.73	0.01	0.05
2.55	0.43	0.57	8.73	0.01	0.05	2.56	0.44	0.56	8.72	0.01	0.05
2.57	0.44	0.56	8.72	0.01	0.05	2.58	0.45	0.55	8.71	0.01	0.05
2.59	0.46	0.54	8.71	0.01	0.05	2.60	0.46	0.54	8.70	0.01	0.05
2.61	0.46	0.54	8.70	0.01	0.05	2.62	0.45	0.55	8.69	0.01	0.05
2.63	0.44	0.56	8.69	0.01	0.05	2.64	0.43	0.57	8.68	0.01	0.05
2.65	0.43	0.57	8.68	0.01	0.05	2.66	0.42	0.58	8.67	0.01	0.05
2.67	0.41	0.59	8.66	0.01	0.05	2.68	0.40	0.60	8.66	0.01	0.05
2.69	0.39	0.61	8.66	0.01	0.05	2.70	0.38	0.62	8.65	0.01	0.05
2.71	0.37	0.63	8.65	0.01	0.05	2.72	0.37	0.63	8.64	0.01	0.05
2.73	0.36	0.64	8.64	0.01	0.06	2.74	0.35	0.65	8.63	0.01	0.06
2.75	0.35	0.65	8.63	0.01	0.06	2.76	0.35	0.65	8.62	0.01	0.06
2.77	0.35	0.65	8.62	0.01	0.06	2.78	0.34	0.66	8.61	0.01	0.06
2.79	0.34	0.66	8.61	0.01	0.06	2.80	0.34	0.66	8.60	0.01	0.06
2.81	0.34	0.66	8.60	0.01	0.06	2.82	0.34	0.66	8.59	0.01	0.06
2.83	0.34	0.66	8.59	0.01	0.06	2.84	0.33	0.67	8.58	0.01	0.06
2.85	0.33	0.67	8.57	0.01	0.06	2.86	0.32	0.68	8.57	0.01	0.06
2.87	0.31	0.69	8.57	0.01	0.06	2.88	2.00	0.00	8.56	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	2.00	0.00	8.54	0.01	0.00
2.93	2.00	0.00	8.54	0.01	0.00	2.94	0.33	0.67	8.53	0.01	0.06
2.95	0.36	0.64	8.53	0.01	0.05	2.96	0.40	0.60	8.52	0.01	0.05
2.97	0.40	0.60	8.52	0.01	0.05	2.98	0.42	0.58	8.51	0.01	0.05
2.99	0.44	0.56	8.51	0.01	0.05	3.00	0.49	0.51	8.50	0.01	0.04
3.01	0.60	0.40	8.49	0.01	0.03	3.02	0.63	0.37	8.49	0.01	0.03
3.03	0.66	0.34	8.49	0.01	0.03	3.04	0.68	0.32	8.48	0.01	0.03
3.05	0.69	0.31	8.48	0.01	0.03	3.06	0.71	0.29	8.47	0.01	0.02
3.07	0.76	0.24	8.47	0.01	0.02	3.08	0.78	0.22	8.46	0.01	0.02
3.09	0.80	0.20	8.46	0.01	0.02	3.10	0.80	0.20	8.45	0.01	0.02
3.11	0.79	0.21	8.45	0.01	0.02	3.12	0.76	0.24	8.44	0.01	0.02
3.13	0.72	0.28	8.44	0.01	0.02	3.14	0.63	0.37	8.43	0.01	0.03
3.15	0.59	0.41	8.43	0.01	0.03	3.16	0.56	0.44	8.42	0.01	0.04
3.17	0.51	0.49	8.41	0.01	0.04	3.18	0.50	0.50	8.41	0.01	0.04
3.19	0.49	0.51	8.41	0.01	0.04	3.20	0.49	0.51	8.40	0.01	0.04
3.21	0.49	0.51	8.40	0.01	0.04	3.22	0.49	0.51	8.39	0.01	0.04
3.23	0.49	0.51	8.39	0.01	0.04	3.24	0.49	0.51	8.38	0.01	0.04
3.25	0.48	0.52	8.38	0.01	0.04	3.26	0.48	0.52	8.37	0.01	0.04
3.27	0.47	0.53	8.37	0.01	0.04	3.28	0.47	0.53	8.36	0.01	0.04
3.29	0.47	0.53	8.36	0.01	0.04	3.30	0.48	0.52	8.35	0.01	0.04
3.31	0.50	0.50	8.35	0.01	0.04	3.32	0.59	0.41	8.34	0.01	0.03
3.33	0.65	0.35	8.34	0.01	0.03	3.34	0.84	0.16	8.33	0.01	0.01
3.35	1.04	0.00	8.32	0.01	0.00	3.36	1.09	0.00	8.32	0.01	0.00
3.37	1.17	0.00	8.32	0.01	0.00	3.38	1.33	0.00	8.31	0.01	0.00
3.39	1.22	0.00	8.31	0.01	0.00	3.40	1.03	0.00	8.30	0.01	0.00
3.41	0.89	0.11	8.30	0.01	0.01	3.42	0.87	0.13	8.29	0.01	0.01
3.43	0.86	0.14	8.29	0.01	0.01	3.44	0.81	0.19	8.28	0.01	0.02
3.45	0.79	0.21	8.28	0.01	0.02	3.46	0.77	0.23	8.27	0.01	0.02
3.47	0.75	0.25	8.27	0.01	0.02	3.48	0.70	0.30	8.26	0.01	0.02
3.49	0.68	0.32	8.26	0.01	0.03	3.50	0.65	0.35	8.25	0.01	0.03
3.51	0.60	0.40	8.24	0.01	0.03	3.52	0.58	0.42	8.24	0.01	0.03
3.53	0.57	0.43	8.24	0.01	0.04	3.54	0.54	0.46	8.23	0.01	0.04
3.55	0.53	0.47	8.23	0.01	0.04	3.56	0.52	0.48	8.22	0.01	0.04
3.57	0.50	0.50	8.22	0.01	0.04	3.58	0.49	0.51	8.21	0.01	0.04
3.59	0.48	0.52	8.21	0.01	0.04	3.60	0.47	0.53	8.20	0.01	0.04
3.61	0.46	0.54	8.20	0.01	0.04	3.62	0.46	0.54	8.19	0.01	0.04
3.63	0.45	0.55	8.19	0.01	0.04	3.64	0.45	0.55	8.18	0.01	0.05
3.65	0.44	0.56	8.18	0.01	0.05	3.66	0.44	0.56	8.17	0.01	0.05
3.67	0.43	0.57	8.16	0.01	0.05	3.68	0.43	0.57	8.16	0.01	0.05
3.69	0.42	0.58	8.16	0.01	0.05	3.70	0.44	0.56	8.15	0.01	0.05
3.71	0.43	0.57	8.15	0.01	0.05	3.72	0.43	0.57	8.14	0.01	0.05
3.73	0.42	0.58	8.14	0.01	0.05	3.74	0.42	0.58	8.13	0.01	0.05
3.75	0.42	0.58	8.13	0.01	0.05	3.76	0.41	0.59	8.12	0.01	0.05
3.77	0.41	0.59	8.12	0.01	0.05	3.78	0.40	0.60	8.11	0.01	0.05
3.79	0.40	0.60	8.11	0.01	0.05	3.80	0.40	0.60	8.10	0.01	0.05
3.81	0.40	0.60	8.10	0.01	0.05	3.82	0.40	0.60	8.09	0.01	0.05
3.83	0.40	0.60	8.09	0.01	0.05	3.84	0.39	0.61	8.08	0.01	0.05

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.38	0.62	8.07	0.01	0.05	3.86	0.38	0.62	8.07	0.01	0.05
3.87	0.38	0.62	8.07	0.01	0.05	3.88	0.38	0.62	8.06	0.01	0.05
3.89	0.38	0.62	8.06	0.01	0.05	3.90	0.38	0.62	8.05	0.01	0.05
3.91	0.37	0.63	8.05	0.01	0.05	3.92	0.33	0.67	8.04	0.01	0.05
3.93	0.32	0.68	8.04	0.01	0.05	3.94	0.33	0.67	8.03	0.01	0.05
3.95	0.33	0.67	8.03	0.01	0.05	3.96	0.33	0.67	8.02	0.01	0.05
3.97	0.33	0.67	8.02	0.01	0.05	3.98	0.34	0.66	8.01	0.01	0.05
3.99	0.34	0.66	8.01	0.01	0.05	4.00	0.35	0.65	8.00	0.01	0.05
4.01	0.34	0.66	8.00	0.01	0.05	4.02	0.35	0.65	7.99	0.01	0.05
4.03	0.35	0.65	7.99	0.01	0.05	4.04	0.35	0.65	7.98	0.01	0.05
4.05	0.35	0.65	7.98	0.01	0.05	4.06	0.35	0.65	7.97	0.01	0.05
4.07	0.35	0.65	7.97	0.01	0.05	4.08	0.34	0.66	7.96	0.01	0.05
4.09	0.34	0.66	7.96	0.01	0.05	4.10	0.34	0.66	7.95	0.01	0.05
4.11	0.33	0.67	7.95	0.01	0.05	4.12	0.33	0.67	7.94	0.01	0.05
4.13	0.33	0.67	7.94	0.01	0.05	4.14	0.33	0.67	7.93	0.01	0.05
4.15	0.33	0.67	7.93	0.01	0.05	4.16	0.33	0.67	7.92	0.01	0.05
4.17	0.33	0.67	7.92	0.01	0.05	4.18	0.33	0.67	7.91	0.01	0.05
4.19	0.33	0.67	7.91	0.01	0.05	4.20	0.33	0.67	7.90	0.01	0.05
4.21	0.33	0.67	7.90	0.01	0.05	4.22	0.33	0.67	7.89	0.01	0.05
4.23	0.33	0.67	7.89	0.01	0.05	4.24	0.34	0.66	7.88	0.01	0.05
4.25	0.35	0.65	7.88	0.01	0.05	4.26	0.35	0.65	7.87	0.01	0.05
4.27	0.37	0.63	7.87	0.01	0.05	4.28	0.38	0.62	7.86	0.01	0.05
4.29	0.39	0.61	7.86	0.01	0.05	4.30	0.40	0.60	7.85	0.01	0.05
4.31	0.41	0.59	7.85	0.01	0.05	4.32	0.42	0.58	7.84	0.01	0.05
4.33	0.42	0.58	7.84	0.01	0.05	4.34	0.41	0.59	7.83	0.01	0.05
4.35	0.40	0.60	7.83	0.01	0.05	4.36	0.39	0.61	7.82	0.01	0.05
4.37	0.37	0.63	7.82	0.01	0.05	4.38	0.37	0.63	7.81	0.01	0.05
4.39	0.36	0.64	7.81	0.01	0.05	4.40	0.35	0.65	7.80	0.01	0.05
4.41	0.35	0.65	7.80	0.01	0.05	4.42	0.34	0.66	7.79	0.01	0.05
4.43	0.35	0.65	7.79	0.01	0.05	4.44	0.36	0.64	7.78	0.01	0.05
4.45	0.36	0.64	7.78	0.01	0.05	4.46	0.37	0.63	7.77	0.01	0.05
4.47	0.38	0.62	7.77	0.01	0.05	4.48	0.39	0.61	7.76	0.01	0.05
4.49	0.39	0.61	7.76	0.01	0.05	4.50	0.39	0.61	7.75	0.01	0.05
4.51	0.36	0.64	7.75	0.01	0.05	4.52	0.36	0.64	7.74	0.01	0.05
4.53	0.36	0.64	7.74	0.01	0.05	4.54	0.36	0.64	7.73	0.01	0.05
4.55	0.36	0.64	7.73	0.01	0.05	4.56	0.37	0.63	7.72	0.01	0.05
4.57	0.38	0.62	7.72	0.01	0.05	4.58	0.38	0.62	7.71	0.01	0.05
4.59	0.39	0.61	7.71	0.01	0.05	4.60	0.40	0.60	7.70	0.01	0.05
4.61	0.40	0.60	7.70	0.01	0.05	4.62	0.40	0.60	7.69	0.01	0.05
4.63	0.40	0.60	7.69	0.01	0.05	4.64	0.39	0.61	7.68	0.01	0.05
4.65	0.38	0.62	7.68	0.01	0.05	4.66	0.37	0.63	7.67	0.01	0.05
4.67	0.36	0.64	7.67	0.01	0.05	4.68	0.36	0.64	7.66	0.01	0.05
4.69	0.34	0.66	7.66	0.01	0.05	4.70	0.33	0.67	7.65	0.01	0.05
4.71	0.33	0.67	7.65	0.01	0.05	4.72	0.32	0.68	7.64	0.01	0.05
4.73	0.32	0.68	7.64	0.01	0.05	4.74	0.32	0.68	7.63	0.01	0.05
4.75	0.31	0.69	7.63	0.01	0.05	4.76	0.31	0.69	7.62	0.01	0.05
4.77	0.31	0.69	7.62	0.01	0.05	4.78	0.30	0.70	7.61	0.01	0.05
4.79	0.29	0.71	7.61	0.01	0.05	4.80	0.29	0.71	7.60	0.01	0.05



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.29	0.71	7.60	0.01	0.05	4.82	0.29	0.71	7.59	0.01	0.05
4.83	0.30	0.70	7.59	0.01	0.05	4.84	0.30	0.70	7.58	0.01	0.05
4.85	0.31	0.69	7.58	0.01	0.05	4.86	0.32	0.68	7.57	0.01	0.05
4.87	0.33	0.67	7.57	0.01	0.05	4.88	0.33	0.67	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.33	0.67	7.55	0.01	0.05	4.92	0.31	0.69	7.54	0.01	0.05
4.93	0.29	0.71	7.54	0.01	0.05	4.94	0.30	0.70	7.53	0.01	0.05
4.95	0.30	0.70	7.53	0.01	0.05	4.96	0.30	0.70	7.52	0.01	0.05
4.97	0.30	0.70	7.52	0.01	0.05	4.98	0.31	0.69	7.51	0.01	0.05
4.99	0.30	0.70	7.51	0.01	0.05	5.00	0.30	0.70	7.50	0.01	0.05
5.01	0.30	0.70	7.50	0.01	0.05	5.02	0.29	0.71	7.49	0.01	0.05
5.03	0.29	0.71	7.49	0.01	0.05	5.04	0.29	0.71	7.48	0.01	0.05
5.05	0.29	0.71	7.48	0.01	0.05	5.06	0.29	0.71	7.47	0.01	0.05
5.07	0.29	0.71	7.47	0.01	0.05	5.08	0.30	0.70	7.46	0.01	0.05
5.09	0.31	0.69	7.46	0.01	0.05	5.10	0.33	0.67	7.45	0.01	0.05
5.11	0.33	0.67	7.45	0.01	0.05	5.12	0.34	0.66	7.44	0.01	0.05
5.13	0.33	0.67	7.44	0.01	0.05	5.14	0.32	0.68	7.43	0.01	0.05
5.15	0.33	0.67	7.43	0.01	0.05	5.16	0.36	0.64	7.42	0.01	0.05
5.17	0.39	0.61	7.42	0.01	0.05	5.18	0.40	0.60	7.41	0.01	0.04
5.19	0.46	0.54	7.41	0.01	0.04	5.20	0.42	0.58	7.40	0.01	0.04
5.21	0.39	0.61	7.40	0.01	0.05	5.22	0.37	0.63	7.39	0.01	0.05
5.23	0.35	0.65	7.39	0.01	0.05	5.24	0.34	0.66	7.38	0.01	0.05
5.25	0.33	0.67	7.38	0.01	0.05	5.26	0.32	0.68	7.37	0.01	0.05
5.27	0.32	0.68	7.37	0.01	0.05	5.28	0.31	0.69	7.36	0.01	0.05
5.29	0.31	0.69	7.36	0.01	0.05	5.30	0.30	0.70	7.35	0.01	0.05
5.31	0.30	0.70	7.35	0.01	0.05	5.32	0.30	0.70	7.34	0.01	0.05
5.33	0.30	0.70	7.34	0.01	0.05	5.34	0.30	0.70	7.33	0.01	0.05
5.35	0.31	0.69	7.33	0.01	0.05	5.36	0.32	0.68	7.32	0.01	0.05
5.37	0.33	0.67	7.32	0.01	0.05	5.38	0.34	0.66	7.31	0.01	0.05
5.39	0.34	0.66	7.31	0.01	0.05	5.40	0.34	0.66	7.30	0.01	0.05
5.41	0.34	0.66	7.30	0.01	0.05	5.42	0.34	0.66	7.29	0.01	0.05
5.43	0.34	0.66	7.29	0.01	0.05	5.44	0.34	0.66	7.28	0.01	0.05
5.45	0.35	0.65	7.28	0.01	0.05	5.46	0.35	0.65	7.27	0.01	0.05
5.47	0.35	0.65	7.27	0.01	0.05	5.48	0.34	0.66	7.26	0.01	0.05
5.49	0.34	0.66	7.26	0.01	0.05	5.50	0.34	0.66	7.25	0.01	0.05
5.51	0.34	0.66	7.25	0.01	0.05	5.52	0.33	0.67	7.24	0.01	0.05
5.53	0.33	0.67	7.24	0.01	0.05	5.54	0.33	0.67	7.23	0.01	0.05
5.55	0.32	0.68	7.23	0.01	0.05	5.56	0.32	0.68	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.31	0.69	7.21	0.01	0.05	5.60	0.30	0.70	7.20	0.01	0.05
5.61	0.31	0.69	7.20	0.01	0.05	5.62	0.31	0.69	7.19	0.01	0.05
5.63	0.31	0.69	7.19	0.01	0.05	5.64	0.30	0.70	7.18	0.01	0.05
5.65	0.31	0.69	7.18	0.01	0.05	5.66	0.30	0.70	7.17	0.01	0.05
5.67	0.30	0.70	7.17	0.01	0.05	5.68	0.30	0.70	7.16	0.01	0.05
5.69	0.29	0.71	7.16	0.01	0.05	5.70	0.29	0.71	7.15	0.01	0.05
5.71	0.29	0.71	7.15	0.01	0.05	5.72	0.28	0.72	7.14	0.01	0.05
5.73	0.28	0.72	7.14	0.01	0.05	5.74	0.27	0.73	7.13	0.01	0.05
5.75	0.27	0.73	7.13	0.01	0.05	5.76	0.28	0.72	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.29	0.71	7.12	0.01	0.05	5.78	0.30	0.70	7.11	0.01	0.05
5.79	0.31	0.69	7.11	0.01	0.05	5.80	0.32	0.68	7.10	0.01	0.05
5.81	0.33	0.67	7.10	0.01	0.05	5.82	0.33	0.67	7.09	0.01	0.05
5.83	0.33	0.67	7.09	0.01	0.05	5.84	0.33	0.67	7.08	0.01	0.05
5.85	0.33	0.67	7.08	0.01	0.05	5.86	0.33	0.67	7.07	0.01	0.05
5.87	0.33	0.67	7.07	0.01	0.05	5.88	0.33	0.67	7.06	0.01	0.05
5.89	0.32	0.68	7.06	0.01	0.05	5.90	0.32	0.68	7.05	0.01	0.05
5.91	0.32	0.68	7.05	0.01	0.05	5.92	0.31	0.69	7.04	0.01	0.05
5.93	0.30	0.70	7.04	0.01	0.05	5.94	0.30	0.70	7.03	0.01	0.05
5.95	0.30	0.70	7.03	0.01	0.05	5.96	0.30	0.70	7.02	0.01	0.05
5.97	0.30	0.70	7.02	0.01	0.05	5.98	0.30	0.70	7.01	0.01	0.05
5.99	0.29	0.71	7.01	0.01	0.05	6.00	0.30	0.70	7.00	0.01	0.05
6.01	0.27	0.73	7.00	0.01	0.05	6.02	0.27	0.73	6.99	0.01	0.05
6.03	0.27	0.73	6.99	0.01	0.05	6.04	0.26	0.74	6.98	0.01	0.05
6.05	2.00	0.00	6.98	0.01	0.00	6.06	2.00	0.00	6.97	0.01	0.00
6.07	2.00	0.00	6.97	0.01	0.00	6.08	2.00	0.00	6.96	0.01	0.00
6.09	2.00	0.00	6.96	0.01	0.00	6.10	2.00	0.00	6.95	0.01	0.00
6.11	2.00	0.00	6.95	0.01	0.00	6.12	2.00	0.00	6.94	0.01	0.00
6.13	2.00	0.00	6.94	0.01	0.00	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	2.00	0.00	6.87	0.01	0.00	6.28	2.00	0.00	6.86	0.01	0.00
6.29	0.26	0.74	6.86	0.01	0.05	6.30	0.25	0.75	6.85	0.01	0.05
6.31	0.29	0.71	6.85	0.01	0.05	6.32	0.30	0.70	6.84	0.01	0.05
6.33	0.30	0.70	6.84	0.01	0.05	6.34	0.31	0.69	6.83	0.01	0.05
6.35	0.29	0.71	6.83	0.01	0.05	6.36	0.30	0.70	6.82	0.01	0.05
6.37	0.31	0.69	6.82	0.01	0.05	6.38	0.30	0.70	6.81	0.01	0.05
6.39	0.30	0.70	6.81	0.01	0.05	6.40	0.28	0.72	6.80	0.01	0.05
6.41	0.28	0.72	6.80	0.01	0.05	6.42	0.27	0.73	6.79	0.01	0.05
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	0.26	0.74	6.61	0.01	0.05	6.80	0.27	0.73	6.60	0.01	0.05
6.81	0.27	0.73	6.60	0.01	0.05	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	0.27	0.73	6.46	0.01	0.05	7.10	0.28	0.72	6.45	0.01	0.05
7.11	0.28	0.72	6.45	0.01	0.05	7.12	0.30	0.70	6.44	0.01	0.05
7.13	0.30	0.70	6.44	0.01	0.05	7.14	0.30	0.70	6.43	0.01	0.04
7.15	0.30	0.70	6.43	0.01	0.05	7.16	0.29	0.71	6.42	0.01	0.05
7.17	0.29	0.71	6.42	0.01	0.05	7.18	0.29	0.71	6.41	0.01	0.05
7.19	0.29	0.71	6.41	0.01	0.05	7.20	0.28	0.72	6.40	0.01	0.05
7.21	0.28	0.72	6.40	0.01	0.05	7.22	0.28	0.72	6.39	0.01	0.05
7.23	0.28	0.72	6.39	0.01	0.05	7.24	0.28	0.72	6.38	0.01	0.05
7.25	0.27	0.73	6.38	0.01	0.05	7.26	0.26	0.74	6.37	0.01	0.05
7.27	0.26	0.74	6.37	0.01	0.05	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	0.23	0.77	5.68	0.01	0.04	8.66	0.27	0.73	5.67	0.01	0.04
8.67	0.24	0.76	5.67	0.01	0.04	8.68	0.30	0.70	5.66	0.01	0.04
8.69	0.57	0.43	5.66	0.01	0.02	8.70	0.80	0.20	5.65	0.01	0.01
8.71	0.84	0.16	5.64	0.01	0.01	8.72	1.17	0.00	5.64	0.01	0.00
8.73	1.12	0.00	5.64	0.01	0.00	8.74	1.31	0.00	5.63	0.01	0.00
8.75	1.39	0.00	5.63	0.01	0.00	8.76	1.47	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00

**Overall liquefaction potential: 20.75**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

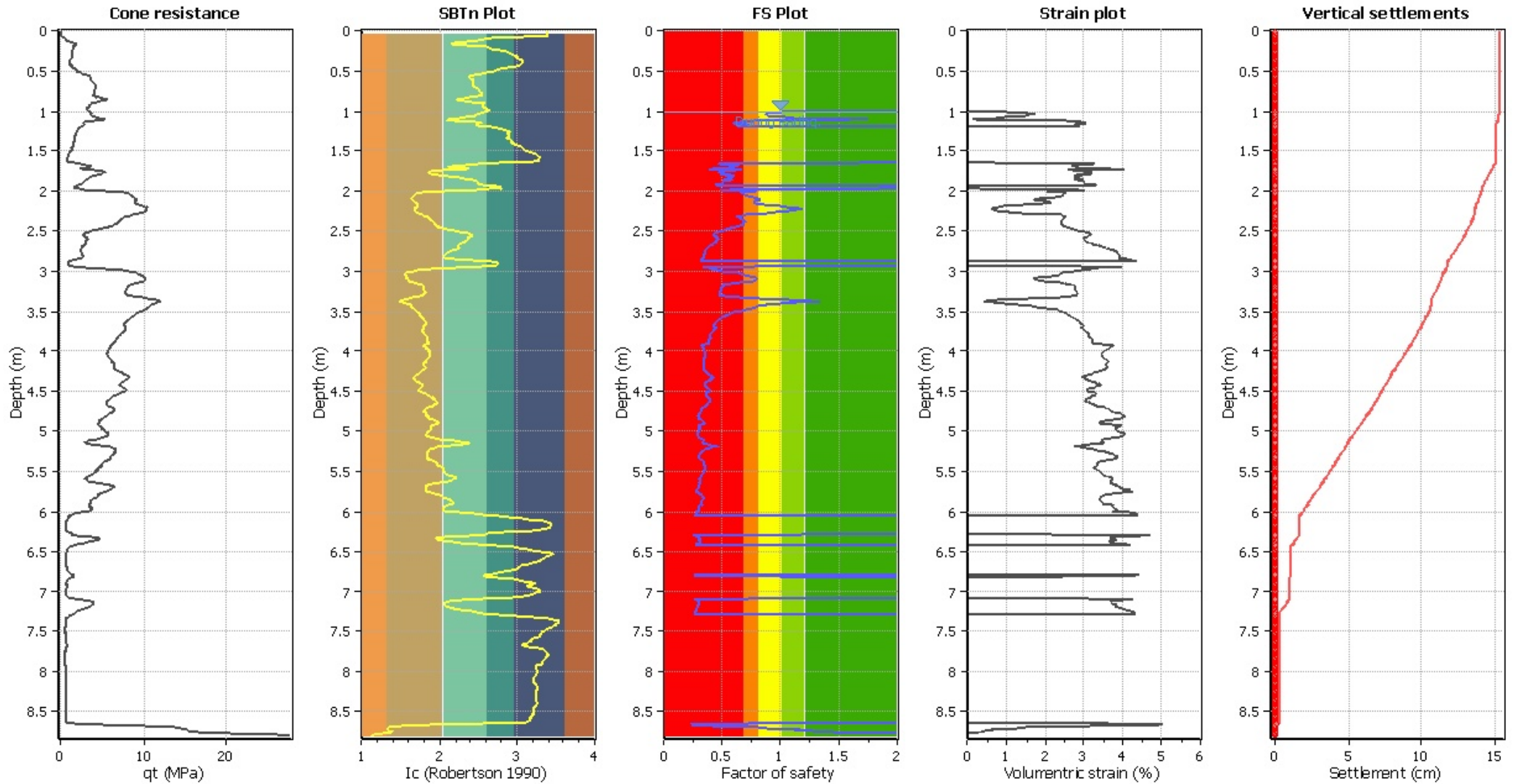
**Abbreviations**

FS: Calculated factor of safety for test point

F<sub>L</sub>: 1 - FSw<sub>z</sub>: Function value of the extend of soil liquefaction according to depthd<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	54.53	2.00	0.00	1.00	0.00	1.01	133.91	1.03	0.94	1.00	0.01
1.02	131.00	0.97	1.16	1.00	0.01	1.03	127.29	0.90	1.52	1.00	0.02
1.04	125.65	0.87	1.75	1.00	0.02	1.05	127.12	0.89	1.59	1.00	0.02
1.06	128.09	0.90	1.50	1.00	0.02	1.07	129.58	0.92	1.37	1.00	0.01
1.08	137.52	1.08	0.81	1.00	0.01	1.09	140.44	1.15	0.68	1.00	0.01
1.10	156.28	1.74	0.12	1.00	0.00	1.11	148.30	1.38	0.37	1.00	0.00
1.12	123.46	0.80	2.45	1.00	0.02	1.13	114.01	0.69	2.80	1.00	0.03
1.14	109.99	0.65	2.91	1.00	0.03	1.15	105.91	0.61	3.03	1.00	0.03
1.16	104.81	0.60	3.06	1.00	0.03	1.17	117.94	0.72	2.70	1.00	0.03
1.18	110.14	0.64	2.91	1.00	0.03	1.19	39.43	2.00	0.00	1.00	0.00
1.20	38.42	2.00	0.00	1.00	0.00	1.21	37.58	2.00	0.00	1.00	0.00
1.22	36.24	2.00	0.00	1.00	0.00	1.23	35.07	2.00	0.00	1.00	0.00
1.24	34.73	2.00	0.00	1.00	0.00	1.25	34.06	2.00	0.00	1.00	0.00
1.26	32.21	2.00	0.00	1.00	0.00	1.27	31.71	2.00	0.00	1.00	0.00
1.28	30.54	2.00	0.00	1.00	0.00	1.29	30.37	2.00	0.00	1.00	0.00
1.30	29.53	2.00	0.00	1.00	0.00	1.31	29.19	2.00	0.00	1.00	0.00
1.32	29.19	2.00	0.00	1.00	0.00	1.33	28.02	2.00	0.00	1.00	0.00
1.34	27.85	2.00	0.00	1.00	0.00	1.35	27.52	2.00	0.00	1.00	0.00
1.36	27.18	2.00	0.00	1.00	0.00	1.37	27.18	2.00	0.00	1.00	0.00
1.38	26.68	2.00	0.00	1.00	0.00	1.39	26.68	2.00	0.00	1.00	0.00
1.40	26.17	2.00	0.00	1.00	0.00	1.41	26.17	2.00	0.00	1.00	0.00
1.42	25.84	2.00	0.00	1.00	0.00	1.43	25.17	2.00	0.00	1.00	0.00
1.44	24.66	2.00	0.00	1.00	0.00	1.45	23.66	2.00	0.00	1.00	0.00
1.46	23.15	2.00	0.00	1.00	0.00	1.47	22.15	2.00	0.00	1.00	0.00
1.48	21.98	2.00	0.00	1.00	0.00	1.49	22.31	2.00	0.00	1.00	0.00
1.50	19.97	2.00	0.00	1.00	0.00	1.51	19.46	2.00	0.00	1.00	0.00
1.52	18.29	2.00	0.00	1.00	0.00	1.53	17.78	2.00	0.00	1.00	0.00
1.54	17.28	2.00	0.00	1.00	0.00	1.55	16.11	2.00	0.00	1.00	0.00
1.56	15.60	2.00	0.00	1.00	0.00	1.57	14.60	2.00	0.00	1.00	0.00
1.58	14.43	2.00	0.00	1.00	0.00	1.59	14.60	2.00	0.00	1.00	0.00
1.60	14.09	2.00	0.00	1.00	0.00	1.61	13.93	2.00	0.00	1.00	0.00
1.62	13.59	2.00	0.00	1.00	0.00	1.63	12.75	2.00	0.00	1.00	0.00
1.64	13.25	2.00	0.00	1.00	0.00	1.65	24.66	2.00	0.00	1.00	0.00
1.66	98.06	0.47	3.28	1.00	0.03	1.67	119.49	0.63	2.67	1.00	0.03
1.68	111.14	0.56	2.88	1.00	0.03	1.69	115.59	0.59	2.76	1.00	0.03
1.70	111.12	0.55	2.88	1.00	0.03	1.71	110.95	0.55	2.89	1.00	0.03
1.72	95.14	0.45	3.38	1.00	0.03	1.73	79.46	0.38	4.04	1.00	0.04
1.74	123.09	0.66	2.58	1.00	0.03	1.75	108.63	0.53	2.95	1.00	0.03
1.76	100.50	0.48	3.20	1.00	0.03	1.77	101.64	0.48	3.16	1.00	0.03
1.78	101.32	0.48	3.17	1.00	0.03	1.79	106.65	0.51	3.01	1.00	0.03
1.80	117.48	0.60	2.72	1.00	0.03	1.81	108.82	0.52	2.94	1.00	0.03
1.82	112.81	0.55	2.84	1.00	0.03	1.83	116.81	0.59	2.73	1.00	0.03
1.84	112.48	0.55	2.84	1.00	0.03	1.85	116.57	0.58	2.74	1.00	0.03
1.86	107.92	0.51	2.97	1.00	0.03	1.87	113.46	0.55	2.82	1.00	0.03
1.88	107.26	0.51	2.99	1.00	0.03	1.89	106.28	0.50	3.02	1.00	0.03
1.90	106.15	0.50	3.02	1.00	0.03	1.91	106.29	0.50	3.02	1.00	0.03
1.92	98.07	0.45	3.28	1.00	0.03	1.93	96.83	0.44	3.32	1.00	0.03
1.94	32.05	2.00	0.00	1.00	0.00	1.95	25.67	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	26.01	2.00	0.00	1.00	0.00	1.97	33.82	2.00	0.00	1.00	0.00
1.98	105.76	0.49	3.03	1.00	0.03	1.99	113.87	0.54	2.81	1.00	0.03
2.00	134.57	0.78	2.04	1.00	0.02	2.01	126.39	0.67	2.51	1.00	0.03
2.02	125.40	0.65	2.53	1.00	0.03	2.03	126.67	0.67	2.50	1.00	0.03
2.04	127.80	0.68	2.48	1.00	0.02	2.05	129.80	0.71	2.44	1.00	0.02
2.06	130.92	0.72	2.42	1.00	0.02	2.07	132.05	0.74	2.39	1.00	0.02
2.08	133.77	0.76	2.27	1.00	0.02	2.09	136.70	0.81	1.79	1.00	0.02
2.10	137.32	0.82	1.71	1.00	0.02	2.11	137.46	0.82	1.70	1.00	0.02
2.12	136.38	0.80	1.86	1.00	0.02	2.13	134.70	0.77	2.14	1.00	0.02
2.14	134.59	0.77	2.17	1.00	0.02	2.15	135.21	0.78	2.07	1.00	0.02
2.16	138.00	0.82	1.67	1.00	0.02	2.17	140.05	0.86	1.44	1.00	0.01
2.18	141.97	0.90	1.26	1.00	0.01	2.19	146.24	1.00	0.94	1.00	0.01
2.20	148.60	1.06	0.80	1.00	0.01	2.21	150.01	1.10	0.72	1.00	0.01
2.22	152.47	1.18	0.60	1.00	0.01	2.23	152.12	1.16	0.62	1.00	0.01
2.24	150.84	1.12	0.68	1.00	0.01	2.25	147.56	1.02	0.87	1.00	0.01
2.26	145.22	0.96	1.03	1.00	0.01	2.27	143.92	0.93	1.13	1.00	0.01
2.28	142.04	0.89	1.29	1.00	0.01	2.29	134.88	0.76	2.24	1.00	0.02
2.30	130.60	0.69	2.42	1.00	0.02	2.31	128.27	0.66	2.47	1.00	0.02
2.32	124.98	0.62	2.54	1.00	0.03	2.33	127.24	0.65	2.49	1.00	0.02
2.34	127.73	0.65	2.48	1.00	0.02	2.35	128.02	0.66	2.48	1.00	0.02
2.36	129.98	0.68	2.44	1.00	0.02	2.37	130.73	0.69	2.42	1.00	0.02
2.38	131.64	0.70	2.40	1.00	0.02	2.39	130.67	0.69	2.42	1.00	0.02
2.40	130.87	0.69	2.42	1.00	0.02	2.41	130.50	0.68	2.42	1.00	0.02
2.42	130.51	0.68	2.42	1.00	0.02	2.43	127.04	0.64	2.50	1.00	0.02
2.44	125.92	0.62	2.52	1.00	0.03	2.45	125.05	0.61	2.54	1.00	0.03
2.46	120.99	0.57	2.63	1.00	0.03	2.47	119.66	0.56	2.66	1.00	0.03
2.48	117.50	0.54	2.72	1.00	0.03	2.49	115.41	0.52	2.77	1.00	0.03
2.50	113.51	0.51	2.82	1.00	0.03	2.51	105.48	0.45	3.04	1.00	0.03
2.52	103.43	0.44	3.10	1.00	0.03	2.53	101.70	0.43	3.16	1.00	0.03
2.54	101.03	0.43	3.18	1.00	0.03	2.55	101.20	0.43	3.17	1.00	0.03
2.56	102.69	0.44	3.13	1.00	0.03	2.57	104.13	0.44	3.08	1.00	0.03
2.58	105.74	0.45	3.03	1.00	0.03	2.59	107.78	0.46	2.97	1.00	0.03
2.60	107.64	0.46	2.98	1.00	0.03	2.61	107.29	0.46	2.99	1.00	0.03
2.62	105.95	0.45	3.03	1.00	0.03	2.63	104.66	0.44	3.07	1.00	0.03
2.64	103.17	0.43	3.11	1.00	0.03	2.65	101.67	0.43	3.16	1.00	0.03
2.66	100.34	0.42	3.20	1.00	0.03	2.67	98.09	0.41	3.28	1.00	0.03
2.68	96.06	0.40	3.35	1.00	0.03	2.69	93.98	0.39	3.42	1.00	0.03
2.70	92.82	0.38	3.46	1.00	0.03	2.71	89.81	0.37	3.58	1.00	0.04
2.72	88.47	0.37	3.63	1.00	0.04	2.73	86.32	0.36	3.72	1.00	0.04
2.74	84.51	0.35	3.80	1.00	0.04	2.75	83.51	0.35	3.85	1.00	0.04
2.76	83.33	0.35	3.85	1.00	0.04	2.77	83.71	0.35	3.84	1.00	0.04
2.78	82.94	0.34	3.87	1.00	0.04	2.79	82.59	0.34	3.89	1.00	0.04
2.80	81.86	0.34	3.92	1.00	0.04	2.81	81.70	0.34	3.93	1.00	0.04
2.82	81.19	0.34	3.95	1.00	0.04	2.83	82.66	0.34	3.88	1.00	0.04
2.84	78.47	0.33	4.08	1.00	0.04	2.85	78.37	0.33	4.09	1.00	0.04
2.86	77.82	0.32	4.12	1.00	0.04	2.87	73.25	0.31	4.36	1.00	0.04
2.88	16.04	2.00	0.00	1.00	0.00	2.89	14.64	2.00	0.00	1.00	0.00
2.90	14.62	2.00	0.00	1.00	0.00	2.91	14.61	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	14.29	2.00	0.00	1.00	0.00	2.93	15.97	2.00	0.00	1.00	0.00
2.94	80.81	0.33	3.97	1.00	0.04	2.95	90.03	0.36	3.57	1.00	0.04
2.96	99.42	0.40	3.23	1.00	0.03	2.97	98.72	0.40	3.26	1.00	0.03
2.98	102.57	0.42	3.13	1.00	0.03	2.99	107.64	0.44	2.98	1.00	0.03
3.00	113.99	0.49	2.80	1.00	0.03	3.01	126.65	0.60	2.50	1.00	0.03
3.02	129.52	0.63	2.44	1.00	0.02	3.03	131.67	0.66	2.40	1.00	0.02
3.04	133.81	0.68	2.36	1.00	0.02	3.05	134.54	0.69	2.34	1.00	0.02
3.06	135.74	0.71	2.32	1.00	0.02	3.07	138.67	0.76	2.04	1.00	0.02
3.08	139.96	0.78	1.85	1.00	0.02	3.09	140.91	0.80	1.72	1.00	0.02
3.10	141.16	0.80	1.69	1.00	0.02	3.11	140.49	0.79	1.78	1.00	0.02
3.12	139.13	0.76	1.98	1.00	0.02	3.13	136.61	0.72	2.31	1.00	0.02
3.14	129.87	0.63	2.44	1.00	0.02	3.15	126.37	0.59	2.51	1.00	0.03
3.16	123.32	0.56	2.58	1.00	0.03	3.17	118.62	0.51	2.69	1.00	0.03
3.18	117.24	0.50	2.72	1.00	0.03	3.19	116.06	0.49	2.75	1.00	0.03
3.20	115.70	0.49	2.76	1.00	0.03	3.21	115.46	0.49	2.77	1.00	0.03
3.22	115.61	0.49	2.76	1.00	0.03	3.23	115.62	0.49	2.76	1.00	0.03
3.24	115.48	0.49	2.77	1.00	0.03	3.25	114.19	0.48	2.80	1.00	0.03
3.26	113.96	0.48	2.81	1.00	0.03	3.27	113.21	0.47	2.82	1.00	0.03
3.28	112.56	0.47	2.84	1.00	0.03	3.29	112.53	0.47	2.84	1.00	0.03
3.30	114.03	0.48	2.80	1.00	0.03	3.31	117.86	0.50	2.71	1.00	0.03
3.32	127.43	0.59	2.49	1.00	0.02	3.33	132.00	0.65	2.39	1.00	0.02
3.34	143.62	0.84	1.46	1.00	0.01	3.35	151.89	1.04	0.81	1.00	0.01
3.36	153.36	1.09	0.73	1.00	0.01	3.37	155.84	1.17	0.60	1.00	0.01
3.38	159.97	1.33	0.41	1.00	0.00	3.39	157.33	1.22	0.53	1.00	0.01
3.40	151.54	1.03	0.84	1.00	0.01	3.41	146.05	0.89	1.24	1.00	0.01
3.42	145.28	0.87	1.31	1.00	0.01	3.43	145.07	0.86	1.33	1.00	0.01
3.44	142.26	0.81	1.63	1.00	0.02	3.45	141.15	0.79	1.78	1.00	0.02
3.46	140.26	0.77	1.91	1.00	0.02	3.47	139.15	0.75	2.09	1.00	0.02
3.48	136.31	0.70	2.31	1.00	0.02	3.49	134.62	0.68	2.34	1.00	0.02
3.50	132.69	0.65	2.38	1.00	0.02	3.51	128.57	0.60	2.46	1.00	0.02
3.52	126.86	0.58	2.50	1.00	0.03	3.53	125.38	0.57	2.53	1.00	0.03
3.54	123.11	0.54	2.58	1.00	0.03	3.55	121.84	0.53	2.61	1.00	0.03
3.56	120.93	0.52	2.63	1.00	0.03	3.57	118.40	0.50	2.69	1.00	0.03
3.58	117.12	0.49	2.72	1.00	0.03	3.59	115.45	0.48	2.77	1.00	0.03
3.60	114.34	0.47	2.80	1.00	0.03	3.61	112.39	0.46	2.85	1.00	0.03
3.62	112.00	0.46	2.86	1.00	0.03	3.63	111.49	0.45	2.87	1.00	0.03
3.64	110.78	0.45	2.89	1.00	0.03	3.65	109.64	0.44	2.92	1.00	0.03
3.66	109.03	0.44	2.94	1.00	0.03	3.67	108.16	0.43	2.96	1.00	0.03
3.68	107.49	0.43	2.98	1.00	0.03	3.69	106.99	0.42	3.00	1.00	0.03
3.70	109.96	0.44	2.91	1.00	0.03	3.71	108.10	0.43	2.96	1.00	0.03
3.72	108.42	0.43	2.96	1.00	0.03	3.73	107.27	0.42	2.99	1.00	0.03
3.74	107.25	0.42	2.99	1.00	0.03	3.75	105.82	0.42	3.03	1.00	0.03
3.76	105.15	0.41	3.05	1.00	0.03	3.77	104.55	0.41	3.07	1.00	0.03
3.78	102.80	0.40	3.12	1.00	0.03	3.79	103.00	0.40	3.12	1.00	0.03
3.80	102.89	0.40	3.12	1.00	0.03	3.81	102.86	0.40	3.12	1.00	0.03
3.82	102.55	0.40	3.13	1.00	0.03	3.83	102.91	0.40	3.12	1.00	0.03
3.84	101.72	0.39	3.16	1.00	0.03	3.85	100.28	0.38	3.20	1.00	0.03
3.86	99.61	0.38	3.23	1.00	0.03	3.87	100.02	0.38	3.21	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	99.69	0.38	3.22	1.00	0.03	3.89	99.86	0.38	3.22	1.00	0.03
3.90	100.32	0.38	3.20	1.00	0.03	3.91	96.73	0.37	3.32	1.00	0.03
3.92	86.52	0.33	3.71	1.00	0.04	3.93	85.47	0.32	3.76	1.00	0.04
3.94	86.28	0.33	3.73	1.00	0.04	3.95	87.05	0.33	3.69	1.00	0.04
3.96	88.05	0.33	3.65	1.00	0.04	3.97	89.04	0.33	3.61	1.00	0.04
3.98	89.91	0.34	3.58	1.00	0.04	3.99	91.08	0.34	3.53	1.00	0.04
4.00	92.13	0.35	3.49	1.00	0.03	4.01	91.91	0.34	3.50	1.00	0.03
4.02	92.46	0.35	3.48	1.00	0.03	4.03	92.69	0.35	3.47	1.00	0.03
4.04	92.74	0.35	3.47	1.00	0.03	4.05	93.29	0.35	3.45	1.00	0.03
4.06	92.46	0.35	3.48	1.00	0.03	4.07	92.64	0.35	3.47	1.00	0.03
4.08	91.71	0.34	3.51	1.00	0.04	4.09	91.00	0.34	3.53	1.00	0.04
4.10	89.91	0.34	3.58	1.00	0.04	4.11	89.74	0.33	3.58	1.00	0.04
4.12	88.93	0.33	3.62	1.00	0.04	4.13	88.78	0.33	3.62	1.00	0.04
4.14	89.26	0.33	3.60	1.00	0.04	4.15	89.09	0.33	3.61	1.00	0.04
4.16	89.44	0.33	3.60	1.00	0.04	4.17	89.53	0.33	3.59	1.00	0.04
4.18	89.61	0.33	3.59	1.00	0.04	4.19	89.36	0.33	3.60	1.00	0.04
4.20	89.80	0.33	3.58	1.00	0.04	4.21	89.96	0.33	3.57	1.00	0.04
4.22	90.14	0.33	3.57	1.00	0.04	4.23	90.13	0.33	3.57	1.00	0.04
4.24	92.61	0.34	3.47	1.00	0.03	4.25	93.69	0.35	3.43	1.00	0.03
4.26	94.95	0.35	3.39	1.00	0.03	4.27	98.68	0.37	3.26	1.00	0.03
4.28	100.81	0.38	3.19	1.00	0.03	4.29	102.70	0.39	3.13	1.00	0.03
4.30	104.59	0.40	3.07	1.00	0.03	4.31	107.20	0.41	2.99	1.00	0.03
4.32	108.30	0.42	2.96	1.00	0.03	4.33	108.58	0.42	2.95	1.00	0.03
4.34	107.58	0.41	2.98	1.00	0.03	4.35	106.01	0.40	3.03	1.00	0.03
4.36	104.31	0.39	3.08	1.00	0.03	4.37	100.36	0.37	3.20	1.00	0.03
4.38	98.58	0.37	3.26	1.00	0.03	4.39	96.90	0.36	3.32	1.00	0.03
4.40	95.45	0.35	3.37	1.00	0.03	4.41	93.70	0.35	3.43	1.00	0.03
4.42	93.62	0.34	3.43	1.00	0.03	4.43	94.18	0.35	3.41	1.00	0.03
4.44	96.47	0.36	3.33	1.00	0.03	4.45	98.17	0.36	3.27	1.00	0.03
4.46	100.26	0.37	3.20	1.00	0.03	4.47	102.60	0.38	3.13	1.00	0.03
4.48	104.57	0.39	3.07	1.00	0.03	4.49	104.62	0.39	3.07	1.00	0.03
4.50	103.09	0.39	3.11	1.00	0.03	4.51	98.04	0.36	3.28	1.00	0.03
4.52	97.54	0.36	3.30	1.00	0.03	4.53	97.38	0.36	3.30	1.00	0.03
4.54	96.99	0.36	3.31	1.00	0.03	4.55	98.83	0.36	3.25	1.00	0.03
4.56	100.97	0.37	3.18	1.00	0.03	4.57	101.41	0.38	3.17	1.00	0.03
4.58	103.22	0.38	3.11	1.00	0.03	4.59	103.91	0.39	3.09	1.00	0.03
4.60	105.52	0.40	3.04	1.00	0.03	4.61	105.78	0.40	3.03	1.00	0.03
4.62	106.51	0.40	3.01	1.00	0.03	4.63	106.24	0.40	3.02	1.00	0.03
4.64	104.35	0.39	3.08	1.00	0.03	4.65	101.98	0.38	3.15	1.00	0.03
4.66	100.31	0.37	3.20	1.00	0.03	4.67	98.58	0.36	3.26	1.00	0.03
4.68	97.42	0.36	3.30	1.00	0.03	4.69	94.15	0.34	3.42	1.00	0.03
4.70	90.68	0.33	3.55	1.00	0.04	4.71	90.25	0.33	3.56	1.00	0.04
4.72	88.63	0.32	3.63	1.00	0.04	4.73	88.01	0.32	3.65	1.00	0.04
4.74	87.15	0.32	3.69	1.00	0.04	4.75	86.43	0.31	3.72	1.00	0.04
4.76	85.16	0.31	3.77	1.00	0.04	4.77	84.14	0.31	3.82	1.00	0.04
4.78	81.05	0.30	3.96	1.00	0.04	4.79	80.33	0.29	3.99	1.00	0.04
4.80	79.58	0.29	4.03	1.00	0.04	4.81	79.98	0.29	4.01	1.00	0.04
4.82	79.27	0.29	4.04	1.00	0.04	4.83	80.65	0.30	3.98	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	82.84	0.30	3.88	1.00	0.04	4.85	84.41	0.31	3.81	1.00	0.04
4.86	87.73	0.32	3.66	1.00	0.04	4.87	90.64	0.33	3.55	1.00	0.04
4.88	92.68	0.33	3.47	1.00	0.03	4.89	94.42	0.34	3.41	1.00	0.03
4.90	94.89	0.34	3.39	1.00	0.03	4.91	91.25	0.33	3.52	1.00	0.04
4.92	84.29	0.31	3.81	1.00	0.04	4.93	80.22	0.29	4.00	1.00	0.04
4.94	82.43	0.30	3.89	1.00	0.04	4.95	83.32	0.30	3.85	1.00	0.04
4.96	84.21	0.30	3.81	1.00	0.04	4.97	84.07	0.30	3.82	1.00	0.04
4.98	84.74	0.31	3.79	1.00	0.04	4.99	83.89	0.30	3.83	1.00	0.04
5.00	82.05	0.30	3.91	1.00	0.04	5.01	82.40	0.30	3.90	1.00	0.04
5.02	79.98	0.29	4.01	1.00	0.04	5.03	80.02	0.29	4.01	1.00	0.04
5.04	79.41	0.29	4.04	1.00	0.04	5.05	79.48	0.29	4.03	1.00	0.04
5.06	80.91	0.29	3.97	1.00	0.04	5.07	80.91	0.29	3.97	1.00	0.04
5.08	84.20	0.30	3.81	1.00	0.04	5.09	86.72	0.31	3.71	1.00	0.04
5.10	92.89	0.33	3.46	1.00	0.03	5.11	92.08	0.33	3.49	1.00	0.03
5.12	93.75	0.34	3.43	1.00	0.03	5.13	91.73	0.33	3.51	1.00	0.04
5.14	90.62	0.32	3.55	1.00	0.04	5.15	93.27	0.33	3.45	1.00	0.03
5.16	100.25	0.36	3.20	1.00	0.03	5.17	105.26	0.39	3.05	1.00	0.03
5.18	107.23	0.40	2.99	1.00	0.03	5.19	116.57	0.46	2.74	1.00	0.03
5.20	110.41	0.42	2.90	1.00	0.03	5.21	105.03	0.39	3.05	1.00	0.03
5.22	101.87	0.37	3.15	1.00	0.03	5.23	97.87	0.35	3.28	1.00	0.03
5.24	95.05	0.34	3.38	1.00	0.03	5.25	92.02	0.33	3.49	1.00	0.03
5.26	90.10	0.32	3.57	1.00	0.04	5.27	88.71	0.32	3.62	1.00	0.04
5.28	86.81	0.31	3.70	1.00	0.04	5.29	85.73	0.31	3.75	1.00	0.04
5.30	84.92	0.30	3.78	1.00	0.04	5.31	84.33	0.30	3.81	1.00	0.04
5.32	83.25	0.30	3.86	1.00	0.04	5.33	83.61	0.30	3.84	1.00	0.04
5.34	84.79	0.30	3.79	1.00	0.04	5.35	87.33	0.31	3.68	1.00	0.04
5.36	89.32	0.32	3.60	1.00	0.04	5.37	92.69	0.33	3.47	1.00	0.03
5.38	94.46	0.34	3.40	1.00	0.03	5.39	94.51	0.34	3.40	1.00	0.03
5.40	95.76	0.34	3.36	1.00	0.03	5.41	95.80	0.34	3.36	1.00	0.03
5.42	96.41	0.34	3.33	1.00	0.03	5.43	96.72	0.34	3.32	1.00	0.03
5.44	96.48	0.34	3.33	1.00	0.03	5.45	98.84	0.35	3.25	1.00	0.03
5.46	98.78	0.35	3.25	1.00	0.03	5.47	97.47	0.35	3.30	1.00	0.03
5.48	96.85	0.34	3.32	1.00	0.03	5.49	96.34	0.34	3.34	1.00	0.03
5.50	95.24	0.34	3.38	1.00	0.03	5.51	94.60	0.34	3.40	1.00	0.03
5.52	94.27	0.33	3.41	1.00	0.03	5.53	92.86	0.33	3.46	1.00	0.03
5.54	92.72	0.33	3.47	1.00	0.03	5.55	91.61	0.32	3.51	1.00	0.04
5.56	90.21	0.32	3.56	1.00	0.04	5.57	88.89	0.31	3.62	1.00	0.04
5.58	86.52	0.31	3.71	1.00	0.04	5.59	86.26	0.31	3.73	1.00	0.04
5.60	85.44	0.30	3.76	1.00	0.04	5.61	87.24	0.31	3.68	1.00	0.04
5.62	87.34	0.31	3.68	1.00	0.04	5.63	87.68	0.31	3.67	1.00	0.04
5.64	85.51	0.30	3.76	1.00	0.04	5.65	88.03	0.31	3.65	1.00	0.04
5.66	85.37	0.30	3.76	1.00	0.04	5.67	83.34	0.30	3.85	1.00	0.04
5.68	84.27	0.30	3.81	1.00	0.04	5.69	82.58	0.29	3.89	1.00	0.04
5.70	82.29	0.29	3.90	1.00	0.04	5.71	80.24	0.29	4.00	1.00	0.04
5.72	77.77	0.28	4.12	1.00	0.04	5.73	76.12	0.28	4.20	1.00	0.04
5.74	75.80	0.27	4.22	1.00	0.04	5.75	75.39	0.27	4.24	1.00	0.04
5.76	78.49	0.28	4.08	1.00	0.04	5.77	82.98	0.29	3.87	1.00	0.04
5.78	85.31	0.30	3.77	1.00	0.04	5.79	89.01	0.31	3.61	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	91.04	0.32	3.53	1.00	0.04	5.81	92.45	0.33	3.48	1.00	0.03
5.82	94.42	0.33	3.41	1.00	0.03	5.83	94.08	0.33	3.42	1.00	0.03
5.84	94.91	0.33	3.39	1.00	0.03	5.85	94.97	0.33	3.39	1.00	0.03
5.86	93.43	0.33	3.44	1.00	0.03	5.87	93.43	0.33	3.44	1.00	0.03
5.88	92.79	0.33	3.47	1.00	0.03	5.89	92.37	0.32	3.48	1.00	0.03
5.90	92.46	0.32	3.48	1.00	0.03	5.91	90.85	0.32	3.54	1.00	0.04
5.92	87.32	0.31	3.68	1.00	0.04	5.93	85.06	0.30	3.78	1.00	0.04
5.94	85.09	0.30	3.78	1.00	0.04	5.95	85.04	0.30	3.78	1.00	0.04
5.96	84.82	0.30	3.79	1.00	0.04	5.97	84.53	0.30	3.80	1.00	0.04
5.98	84.04	0.30	3.82	1.00	0.04	5.99	83.29	0.29	3.86	1.00	0.04
6.00	86.18	0.30	3.73	1.00	0.04	6.01	76.59	0.27	4.18	1.00	0.04
6.02	76.35	0.27	4.19	1.00	0.04	6.03	74.12	0.27	4.31	1.00	0.04
6.04	72.47	0.26	4.40	1.00	0.04	6.05	13.75	2.00	0.00	1.00	0.00
6.06	12.64	2.00	0.00	1.00	0.00	6.07	12.03	2.00	0.00	1.00	0.00
6.08	11.41	2.00	0.00	1.00	0.00	6.09	11.04	2.00	0.00	1.00	0.00
6.10	9.58	2.00	0.00	1.00	0.00	6.11	8.49	2.00	0.00	1.00	0.00
6.12	7.51	2.00	0.00	1.00	0.00	6.13	6.77	2.00	0.00	1.00	0.00
6.14	6.53	2.00	0.00	1.00	0.00	6.15	6.16	2.00	0.00	1.00	0.00
6.16	6.15	2.00	0.00	1.00	0.00	6.17	6.03	2.00	0.00	1.00	0.00
6.18	6.02	2.00	0.00	1.00	0.00	6.19	5.90	2.00	0.00	1.00	0.00
6.20	5.89	2.00	0.00	1.00	0.00	6.21	5.89	2.00	0.00	1.00	0.00
6.22	5.89	2.00	0.00	1.00	0.00	6.23	5.88	2.00	0.00	1.00	0.00
6.24	6.25	2.00	0.00	1.00	0.00	6.25	8.78	2.00	0.00	1.00	0.00
6.26	11.67	2.00	0.00	1.00	0.00	6.27	14.19	2.00	0.00	1.00	0.00
6.28	16.09	2.00	0.00	1.00	0.00	6.29	69.23	0.26	4.60	1.00	0.05
6.30	67.89	0.25	4.68	1.00	0.05	6.31	81.93	0.29	3.92	1.00	0.04
6.32	85.08	0.30	3.78	1.00	0.04	6.33	86.54	0.30	3.71	1.00	0.04
6.34	87.98	0.31	3.65	1.00	0.04	6.35	84.04	0.29	3.82	1.00	0.04
6.36	87.57	0.30	3.67	1.00	0.04	6.37	87.90	0.31	3.66	1.00	0.04
6.38	87.49	0.30	3.67	1.00	0.04	6.39	87.58	0.30	3.67	1.00	0.04
6.40	80.28	0.28	4.00	1.00	0.04	6.41	78.55	0.28	4.08	1.00	0.04
6.42	76.23	0.27	4.20	1.00	0.04	6.43	17.46	2.00	0.00	1.00	0.00
6.44	13.55	2.00	0.00	1.00	0.00	6.45	12.24	2.00	0.00	1.00	0.00
6.46	11.17	2.00	0.00	1.00	0.00	6.47	10.45	2.00	0.00	1.00	0.00
6.48	9.38	2.00	0.00	1.00	0.00	6.49	8.90	2.00	0.00	1.00	0.00
6.50	8.42	2.00	0.00	1.00	0.00	6.51	7.70	2.00	0.00	1.00	0.00
6.52	6.62	2.00	0.00	1.00	0.00	6.53	6.38	2.00	0.00	1.00	0.00
6.54	6.26	2.00	0.00	1.00	0.00	6.55	6.37	2.00	0.00	1.00	0.00
6.56	6.37	2.00	0.00	1.00	0.00	6.57	6.01	2.00	0.00	1.00	0.00
6.58	6.00	2.00	0.00	1.00	0.00	6.59	6.00	2.00	0.00	1.00	0.00
6.60	6.00	2.00	0.00	1.00	0.00	6.61	5.52	2.00	0.00	1.00	0.00
6.62	5.51	2.00	0.00	1.00	0.00	6.63	5.51	2.00	0.00	1.00	0.00
6.64	5.51	2.00	0.00	1.00	0.00	6.65	5.62	2.00	0.00	1.00	0.00
6.66	5.98	2.00	0.00	1.00	0.00	6.67	6.33	2.00	0.00	1.00	0.00
6.68	6.80	2.00	0.00	1.00	0.00	6.69	7.15	2.00	0.00	1.00	0.00
6.70	7.27	2.00	0.00	1.00	0.00	6.71	7.50	2.00	0.00	1.00	0.00
6.72	7.73	2.00	0.00	1.00	0.00	6.73	8.20	2.00	0.00	1.00	0.00
6.74	8.66	2.00	0.00	1.00	0.00	6.75	9.13	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	10.77	2.00	0.00	1.00	0.00	6.77	12.52	2.00	0.00	1.00	0.00
6.78	14.50	2.00	0.00	1.00	0.00	6.79	72.11	0.26	4.42	1.00	0.04
6.80	75.20	0.27	4.25	1.00	0.04	6.81	74.99	0.27	4.26	1.00	0.04
6.82	17.82	2.00	0.00	1.00	0.00	6.83	15.84	2.00	0.00	1.00	0.00
6.84	12.58	2.00	0.00	1.00	0.00	6.85	11.06	2.00	0.00	1.00	0.00
6.86	9.42	2.00	0.00	1.00	0.00	6.87	8.72	2.00	0.00	1.00	0.00
6.88	8.13	2.00	0.00	1.00	0.00	6.89	7.43	2.00	0.00	1.00	0.00
6.90	7.42	2.00	0.00	1.00	0.00	6.91	7.42	2.00	0.00	1.00	0.00
6.92	7.65	2.00	0.00	1.00	0.00	6.93	7.88	2.00	0.00	1.00	0.00
6.94	7.87	2.00	0.00	1.00	0.00	6.95	7.87	2.00	0.00	1.00	0.00
6.96	7.17	2.00	0.00	1.00	0.00	6.97	6.81	2.00	0.00	1.00	0.00
6.98	6.58	2.00	0.00	1.00	0.00	6.99	6.22	2.00	0.00	1.00	0.00
7.00	6.22	2.00	0.00	1.00	0.00	7.01	6.10	2.00	0.00	1.00	0.00
7.02	6.10	2.00	0.00	1.00	0.00	7.03	6.09	2.00	0.00	1.00	0.00
7.04	6.21	2.00	0.00	1.00	0.00	7.05	6.32	2.00	0.00	1.00	0.00
7.06	6.55	2.00	0.00	1.00	0.00	7.07	9.44	2.00	0.00	1.00	0.00
7.08	13.13	2.00	0.00	1.00	0.00	7.09	75.15	0.27	4.26	1.00	0.04
7.10	79.03	0.28	4.06	1.00	0.04	7.11	81.10	0.28	3.96	1.00	0.04
7.12	86.90	0.30	3.70	1.00	0.04	7.13	86.45	0.30	3.72	1.00	0.04
7.14	87.39	0.30	3.68	1.00	0.04	7.15	86.62	0.30	3.71	1.00	0.04
7.16	85.34	0.29	3.76	1.00	0.04	7.17	84.02	0.29	3.82	1.00	0.04
7.18	84.20	0.29	3.82	1.00	0.04	7.19	84.28	0.29	3.81	1.00	0.04
7.20	81.88	0.28	3.92	1.00	0.04	7.21	82.09	0.28	3.91	1.00	0.04
7.22	79.67	0.28	4.02	1.00	0.04	7.23	79.29	0.28	4.04	1.00	0.04
7.24	79.25	0.28	4.05	1.00	0.04	7.25	75.82	0.27	4.22	1.00	0.04
7.26	74.61	0.26	4.28	1.00	0.04	7.27	73.81	0.26	4.33	1.00	0.04
7.28	15.27	2.00	0.00	1.00	0.00	7.29	14.11	2.00	0.00	1.00	0.00
7.30	12.17	2.00	0.00	1.00	0.00	7.31	11.03	2.00	0.00	1.00	0.00
7.32	10.00	2.00	0.00	1.00	0.00	7.33	8.28	2.00	0.00	1.00	0.00
7.34	7.48	2.00	0.00	1.00	0.00	7.35	6.91	2.00	0.00	1.00	0.00
7.36	6.22	2.00	0.00	1.00	0.00	7.37	6.10	2.00	0.00	1.00	0.00
7.38	5.87	2.00	0.00	1.00	0.00	7.39	5.75	2.00	0.00	1.00	0.00
7.40	5.75	2.00	0.00	1.00	0.00	7.41	5.74	2.00	0.00	1.00	0.00
7.42	5.74	2.00	0.00	1.00	0.00	7.43	5.74	2.00	0.00	1.00	0.00
7.44	5.62	2.00	0.00	1.00	0.00	7.45	5.50	2.00	0.00	1.00	0.00
7.46	5.50	2.00	0.00	1.00	0.00	7.47	5.38	2.00	0.00	1.00	0.00
7.48	5.38	2.00	0.00	1.00	0.00	7.49	5.38	2.00	0.00	1.00	0.00
7.50	5.49	2.00	0.00	1.00	0.00	7.51	5.49	2.00	0.00	1.00	0.00
7.52	5.49	2.00	0.00	1.00	0.00	7.53	5.60	2.00	0.00	1.00	0.00
7.54	5.59	2.00	0.00	1.00	0.00	7.55	5.59	2.00	0.00	1.00	0.00
7.56	5.59	2.00	0.00	1.00	0.00	7.57	5.70	2.00	0.00	1.00	0.00
7.58	5.92	2.00	0.00	1.00	0.00	7.59	6.26	2.00	0.00	1.00	0.00
7.60	6.48	2.00	0.00	1.00	0.00	7.61	6.82	2.00	0.00	1.00	0.00
7.62	6.59	2.00	0.00	1.00	0.00	7.63	6.47	2.00	0.00	1.00	0.00
7.64	7.15	2.00	0.00	1.00	0.00	7.65	7.48	2.00	0.00	1.00	0.00
7.66	7.93	2.00	0.00	1.00	0.00	7.67	8.26	2.00	0.00	1.00	0.00
7.68	7.81	2.00	0.00	1.00	0.00	7.69	7.58	2.00	0.00	1.00	0.00
7.70	6.90	2.00	0.00	1.00	0.00	7.71	6.34	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	5.89	2.00	0.00	1.00	0.00	7.73	5.66	2.00	0.00	1.00	0.00
7.74	5.54	2.00	0.00	1.00	0.00	7.75	5.31	2.00	0.00	1.00	0.00
7.76	5.31	2.00	0.00	1.00	0.00	7.77	5.31	2.00	0.00	1.00	0.00
7.78	5.19	2.00	0.00	1.00	0.00	7.79	5.08	2.00	0.00	1.00	0.00
7.80	5.08	2.00	0.00	1.00	0.00	7.81	5.08	2.00	0.00	1.00	0.00
7.82	5.19	2.00	0.00	1.00	0.00	7.83	5.18	2.00	0.00	1.00	0.00
7.84	5.07	2.00	0.00	1.00	0.00	7.85	5.07	2.00	0.00	1.00	0.00
7.86	5.18	2.00	0.00	1.00	0.00	7.87	5.17	2.00	0.00	1.00	0.00
7.88	5.17	2.00	0.00	1.00	0.00	7.89	5.17	2.00	0.00	1.00	0.00
7.90	5.17	2.00	0.00	1.00	0.00	7.91	5.16	2.00	0.00	1.00	0.00
7.92	5.16	2.00	0.00	1.00	0.00	7.93	5.27	2.00	0.00	1.00	0.00
7.94	5.27	2.00	0.00	1.00	0.00	7.95	5.27	2.00	0.00	1.00	0.00
7.96	5.38	2.00	0.00	1.00	0.00	7.97	5.37	2.00	0.00	1.00	0.00
7.98	5.26	2.00	0.00	1.00	0.00	7.99	5.26	2.00	0.00	1.00	0.00
8.00	5.26	2.00	0.00	1.00	0.00	8.01	5.37	2.00	0.00	1.00	0.00
8.02	5.36	2.00	0.00	1.00	0.00	8.03	5.47	2.00	0.00	1.00	0.00
8.04	5.47	2.00	0.00	1.00	0.00	8.05	5.47	2.00	0.00	1.00	0.00
8.06	5.58	2.00	0.00	1.00	0.00	8.07	5.57	2.00	0.00	1.00	0.00
8.08	5.57	2.00	0.00	1.00	0.00	8.09	5.57	2.00	0.00	1.00	0.00
8.10	5.57	2.00	0.00	1.00	0.00	8.11	5.56	2.00	0.00	1.00	0.00
8.12	5.56	2.00	0.00	1.00	0.00	8.13	5.67	2.00	0.00	1.00	0.00
8.14	5.67	2.00	0.00	1.00	0.00	8.15	5.67	2.00	0.00	1.00	0.00
8.16	5.55	2.00	0.00	1.00	0.00	8.17	5.55	2.00	0.00	1.00	0.00
8.18	5.55	2.00	0.00	1.00	0.00	8.19	5.55	2.00	0.00	1.00	0.00
8.20	5.54	2.00	0.00	1.00	0.00	8.21	5.54	2.00	0.00	1.00	0.00
8.22	5.54	2.00	0.00	1.00	0.00	8.23	5.54	2.00	0.00	1.00	0.00
8.24	5.64	2.00	0.00	1.00	0.00	8.25	5.64	2.00	0.00	1.00	0.00
8.26	5.64	2.00	0.00	1.00	0.00	8.27	5.53	2.00	0.00	1.00	0.00
8.28	5.63	2.00	0.00	1.00	0.00	8.29	5.63	2.00	0.00	1.00	0.00
8.30	5.63	2.00	0.00	1.00	0.00	8.31	5.63	2.00	0.00	1.00	0.00
8.32	5.63	2.00	0.00	1.00	0.00	8.33	5.51	2.00	0.00	1.00	0.00
8.34	5.62	2.00	0.00	1.00	0.00	8.35	5.51	2.00	0.00	1.00	0.00
8.36	5.51	2.00	0.00	1.00	0.00	8.37	5.39	2.00	0.00	1.00	0.00
8.38	5.28	2.00	0.00	1.00	0.00	8.39	5.28	2.00	0.00	1.00	0.00
8.40	5.28	2.00	0.00	1.00	0.00	8.41	5.28	2.00	0.00	1.00	0.00
8.42	5.27	2.00	0.00	1.00	0.00	8.43	5.49	2.00	0.00	1.00	0.00
8.44	5.49	2.00	0.00	1.00	0.00	8.45	5.60	2.00	0.00	1.00	0.00
8.46	5.59	2.00	0.00	1.00	0.00	8.47	5.59	2.00	0.00	1.00	0.00
8.48	5.48	2.00	0.00	1.00	0.00	8.49	5.59	2.00	0.00	1.00	0.00
8.50	5.58	2.00	0.00	1.00	0.00	8.51	5.58	2.00	0.00	1.00	0.00
8.52	5.58	2.00	0.00	1.00	0.00	8.53	5.69	2.00	0.00	1.00	0.00
8.54	5.79	2.00	0.00	1.00	0.00	8.55	5.79	2.00	0.00	1.00	0.00
8.56	5.79	2.00	0.00	1.00	0.00	8.57	5.89	2.00	0.00	1.00	0.00
8.58	6.00	2.00	0.00	1.00	0.00	8.59	6.00	2.00	0.00	1.00	0.00
8.60	6.10	2.00	0.00	1.00	0.00	8.61	6.10	2.00	0.00	1.00	0.00
8.62	6.21	2.00	0.00	1.00	0.00	8.63	6.53	2.00	0.00	1.00	0.00
8.64	6.85	2.00	0.00	1.00	0.00	8.65	62.48	0.23	5.05	1.00	0.05
8.66	79.61	0.27	4.03	1.00	0.04	8.67	64.47	0.24	4.91	1.00	0.05

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
8.68	87.31	0.30	3.68	1.00	0.04	8.69	132.40	0.57	2.39	1.00	0.02
8.70	147.08	0.80	1.55	1.00	0.02	8.71	149.06	0.84	1.34	1.00	0.01
8.72	159.82	1.17	0.59	1.00	0.01	8.73	158.56	1.12	0.66	1.00	0.01
8.74	163.24	1.31	0.43	1.00	0.00	8.75	165.00	1.39	0.35	1.00	0.00
8.76	166.55	1.47	0.28	1.00	0.00	8.77	197.35	2.00	0.00	1.00	0.00
8.78	227.91	2.00	0.00	1.00	0.00	8.79	252.63	2.00	0.00	1.00	0.00
8.80	254.00	2.00	0.00	1.00	0.00						

**Total estimated settlement: 15.28**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

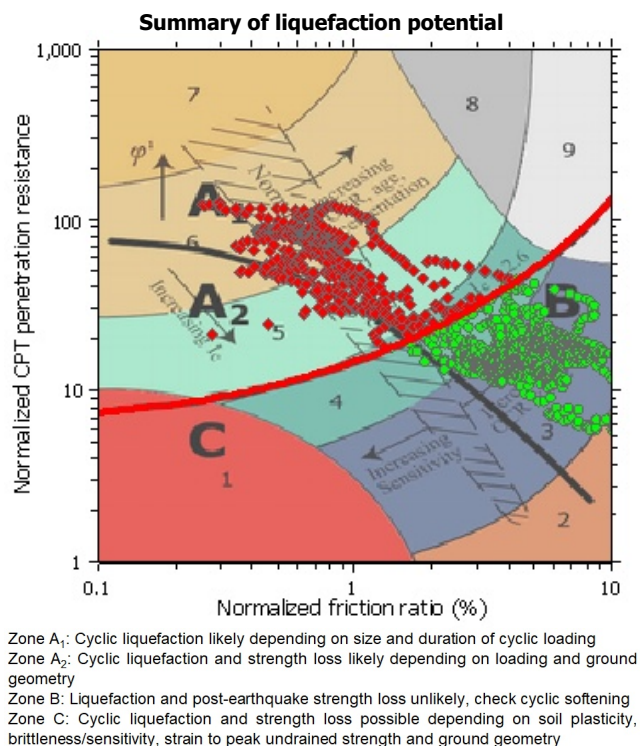
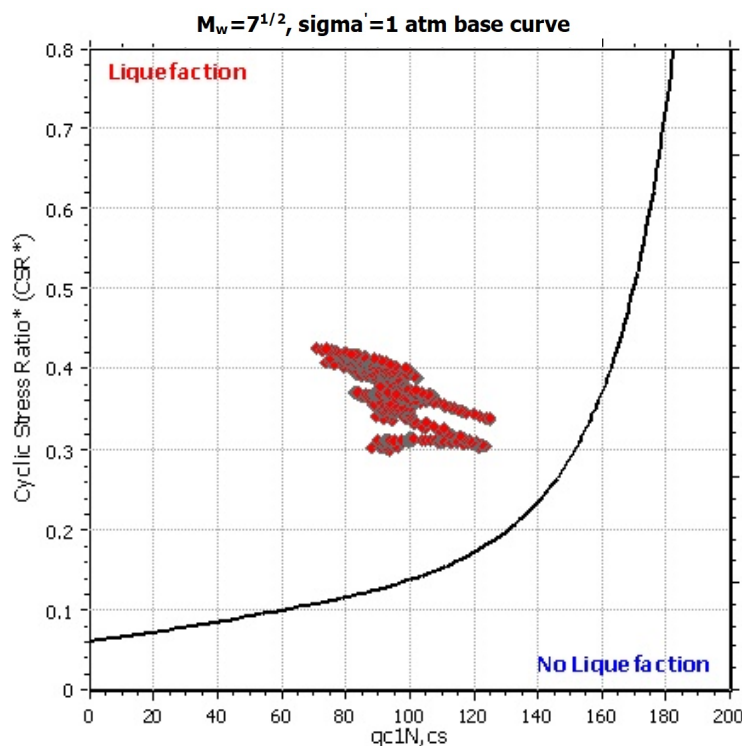
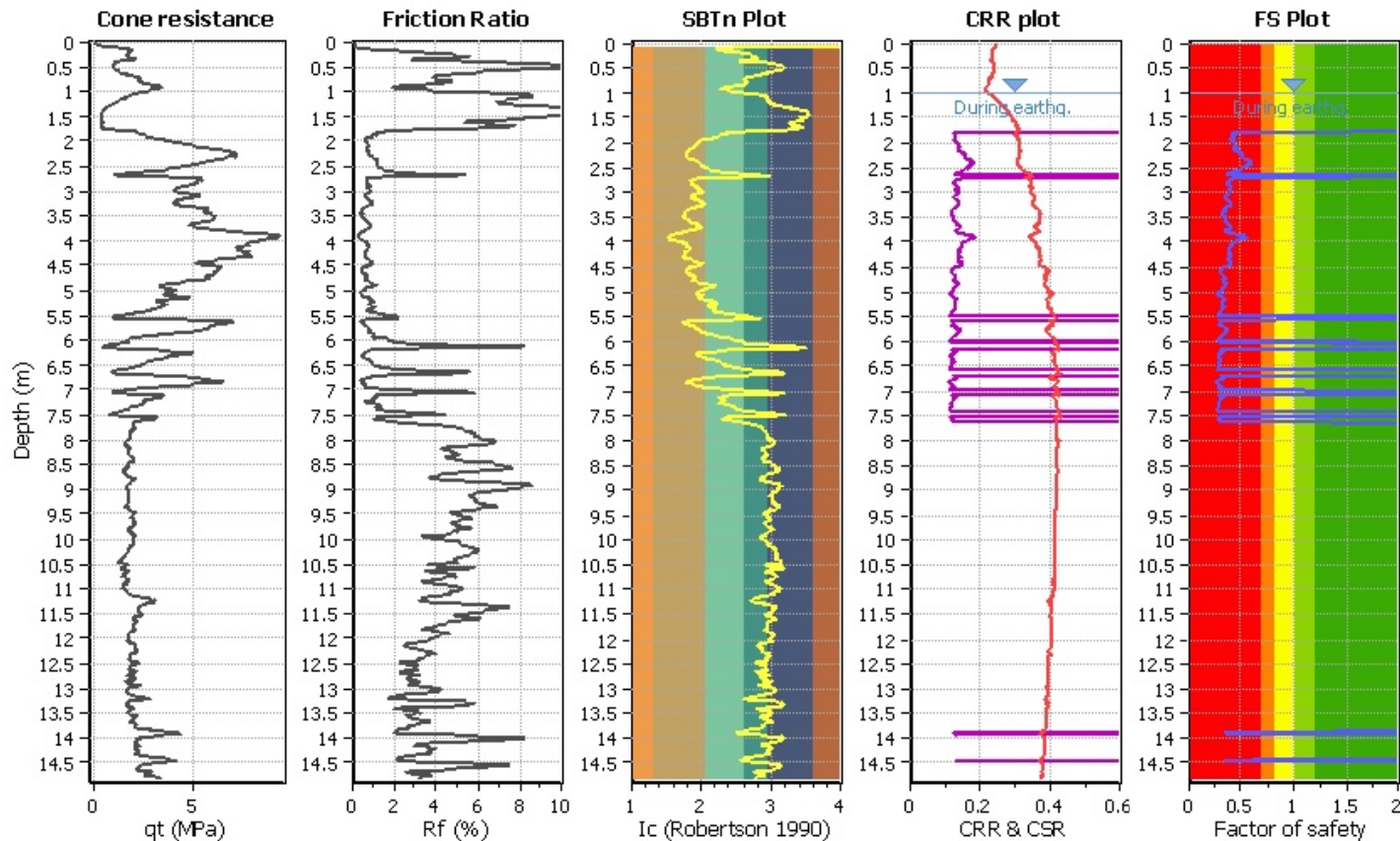
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

**CPT file : CPTU-04-2019**

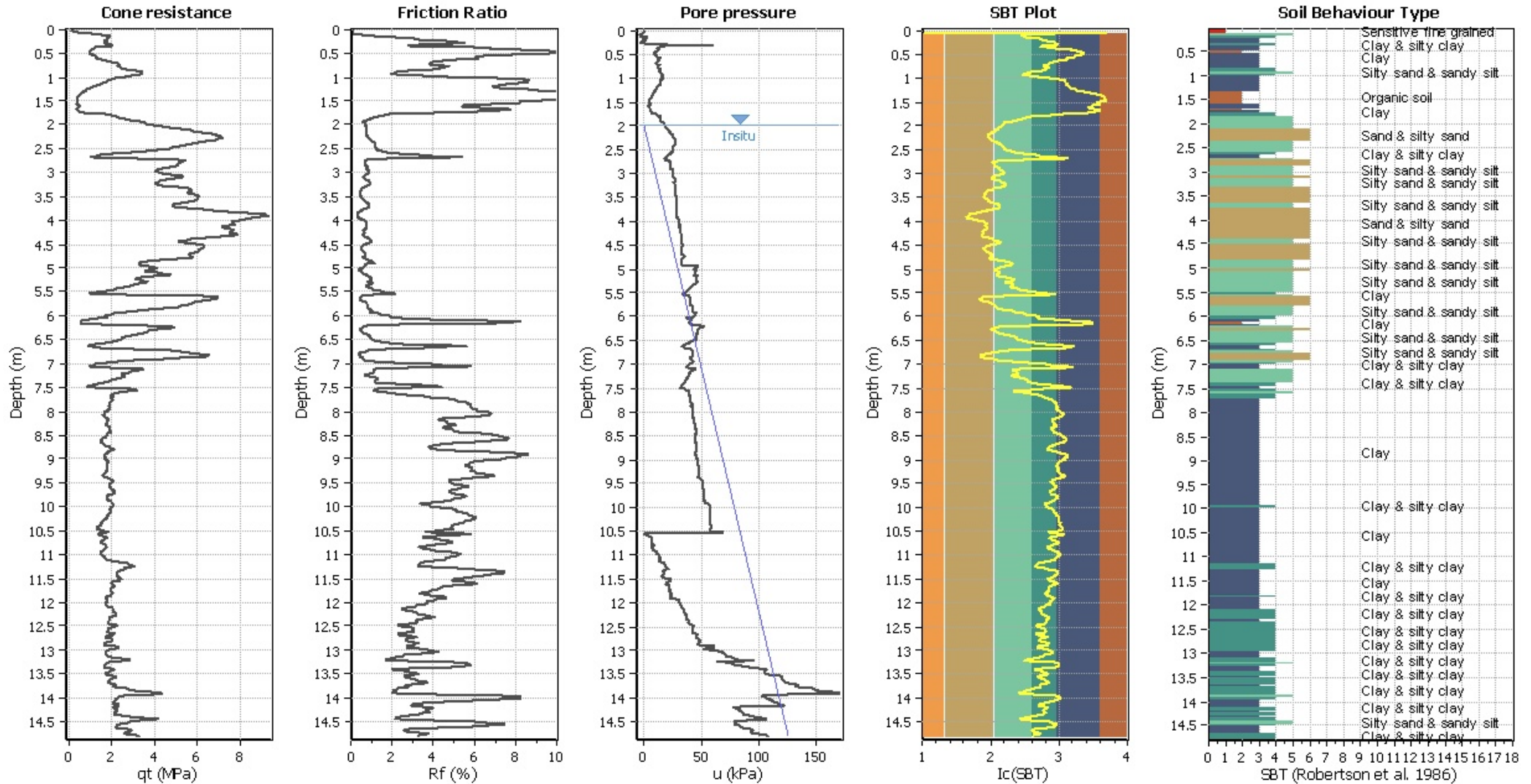
**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		





### CPT basic interpretation plo



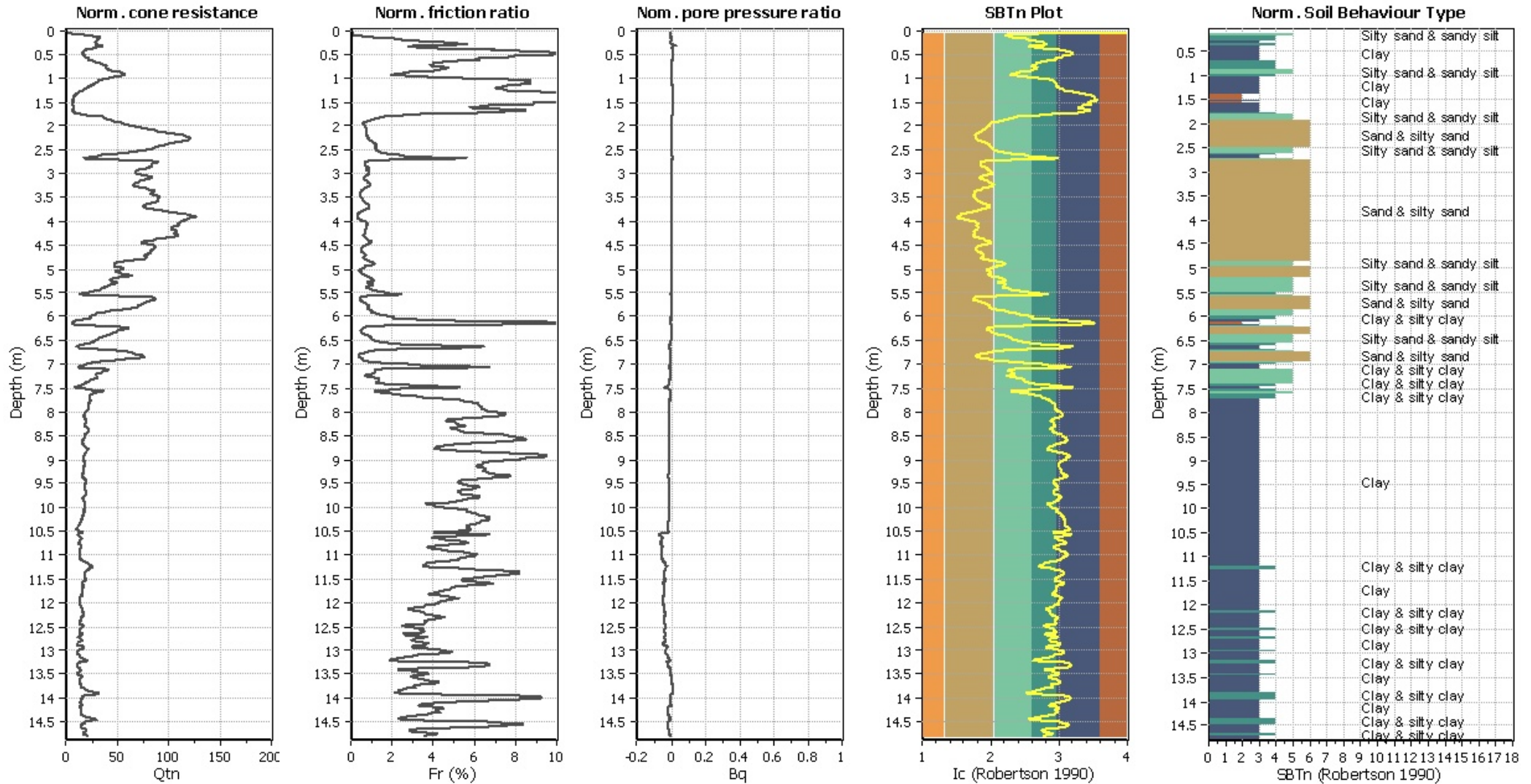
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz)



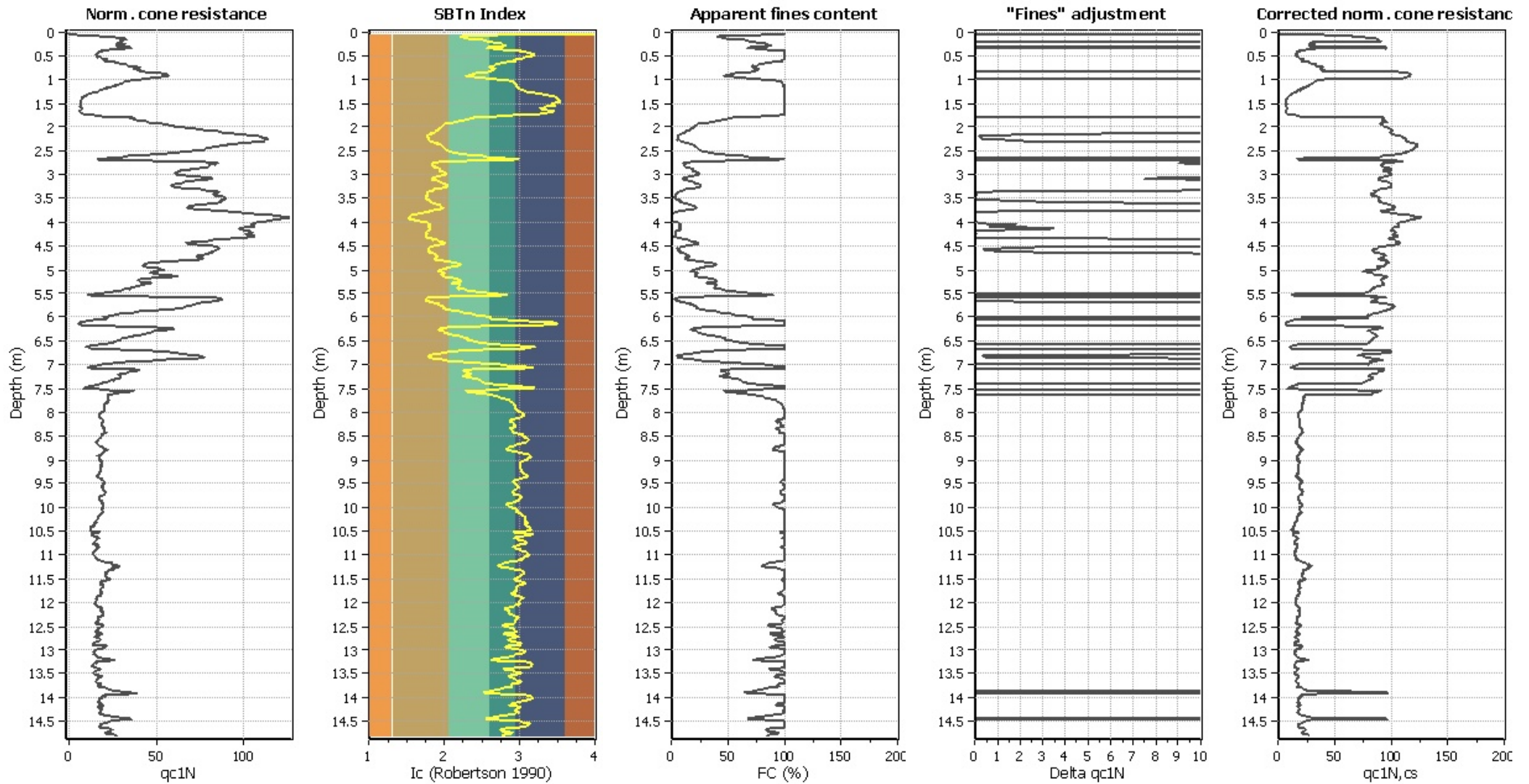
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

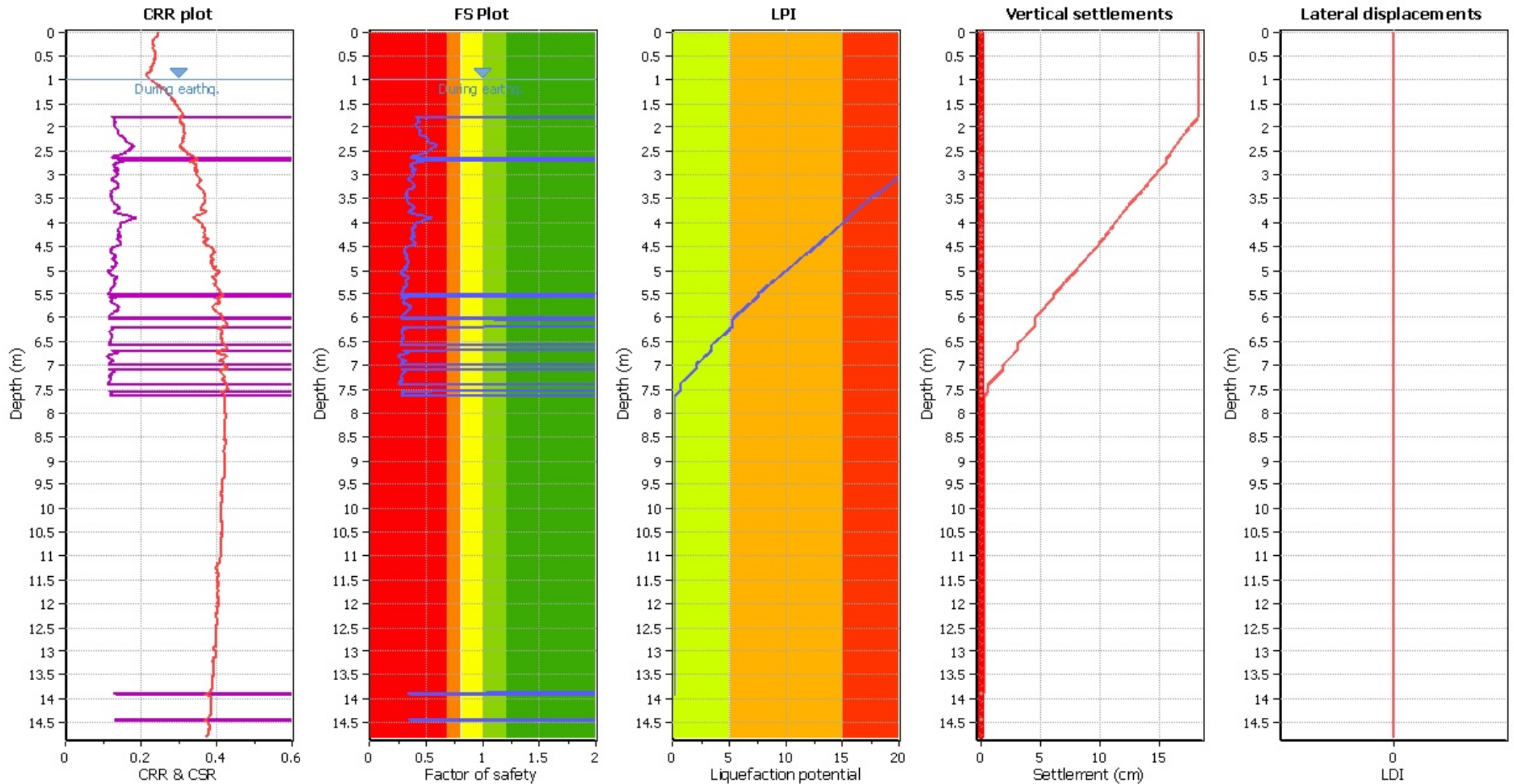
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_0$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

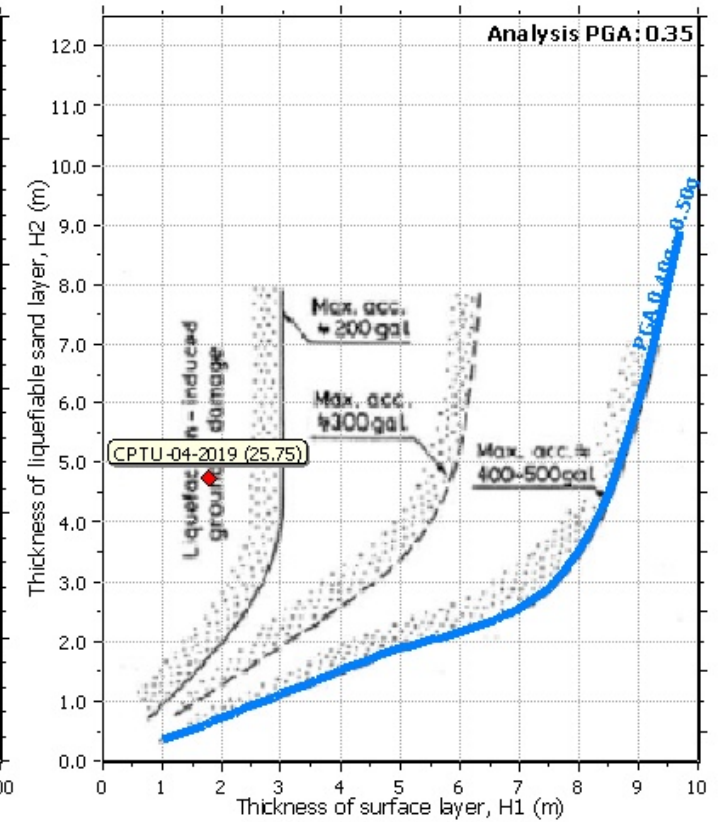
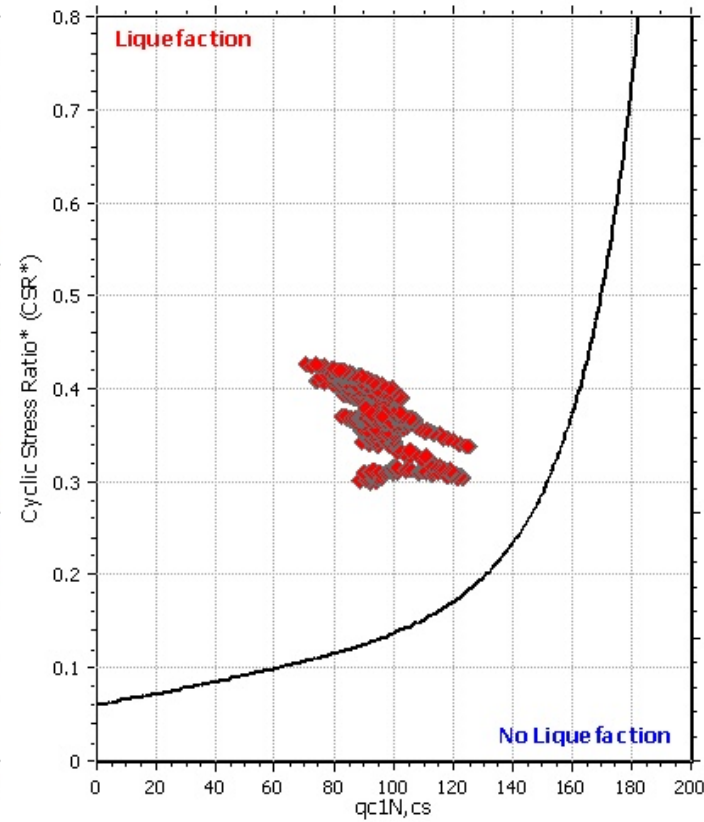
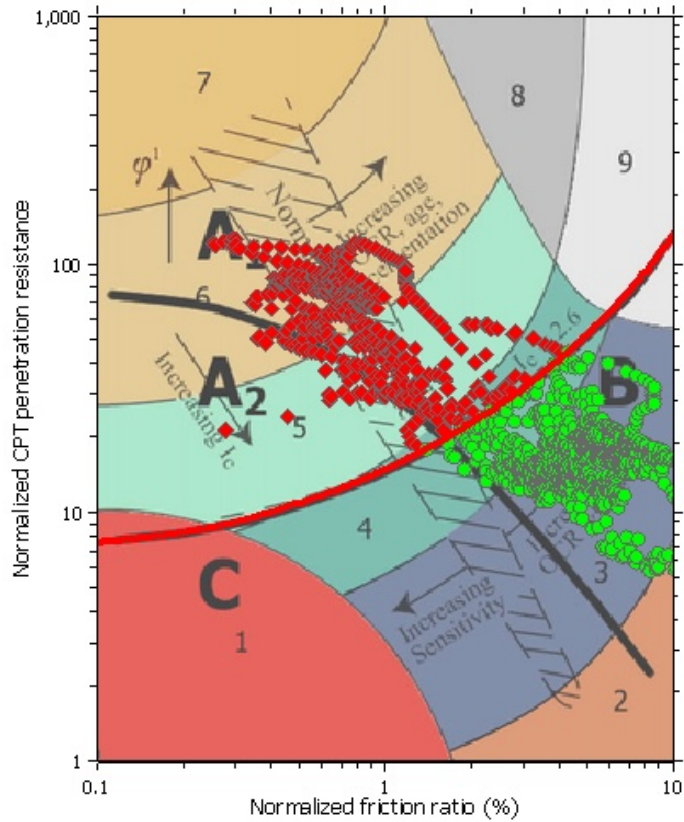
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

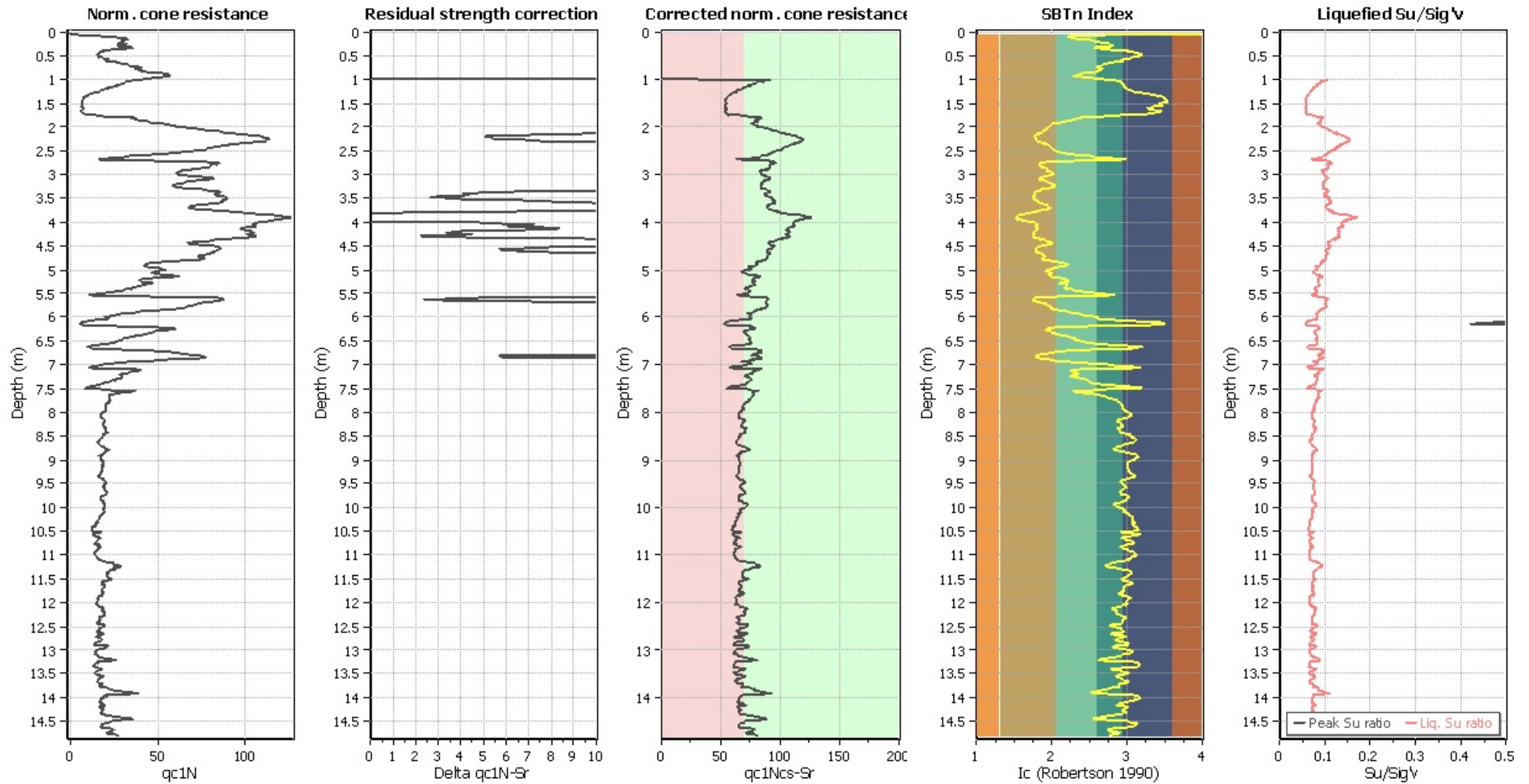
### Liquefaction analysis summary plo



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	0.41	0.59	9.11	0.01	0.05
1.79	0.42	0.58	9.11	0.01	0.05	1.80	0.43	0.57	9.10	0.01	0.05
1.81	0.42	0.58	9.10	0.01	0.05	1.82	0.42	0.58	9.09	0.01	0.05
1.83	0.43	0.57	9.09	0.01	0.05	1.84	0.42	0.58	9.08	0.01	0.05
1.85	0.42	0.58	9.07	0.01	0.05	1.86	0.42	0.58	9.07	0.01	0.05
1.87	0.42	0.58	9.07	0.01	0.05	1.88	0.43	0.57	9.06	0.01	0.05
1.89	0.44	0.56	9.06	0.01	0.05	1.90	0.43	0.57	9.05	0.01	0.05
1.91	0.42	0.58	9.05	0.01	0.05	1.92	0.42	0.58	9.04	0.01	0.05



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	0.40	0.60	9.04	0.01	0.05	1.94	0.40	0.60	9.03	0.01	0.05
1.95	0.41	0.59	9.03	0.01	0.05	1.96	0.41	0.59	9.02	0.01	0.05
1.97	0.41	0.59	9.02	0.01	0.05	1.98	0.41	0.59	9.01	0.01	0.05
1.99	0.42	0.58	9.01	0.01	0.05	2.00	0.42	0.58	9.00	0.01	0.05
2.01	0.43	0.57	8.99	0.01	0.05	2.02	0.43	0.57	8.99	0.01	0.05
2.03	0.43	0.57	8.99	0.01	0.05	2.04	0.44	0.56	8.98	0.01	0.05
2.05	0.44	0.56	8.98	0.01	0.05	2.06	0.44	0.56	8.97	0.01	0.05
2.07	0.44	0.56	8.97	0.01	0.05	2.08	0.45	0.55	8.96	0.01	0.05
2.09	0.44	0.56	8.96	0.01	0.05	2.10	0.44	0.56	8.95	0.01	0.05
2.11	0.44	0.56	8.95	0.01	0.05	2.12	0.44	0.56	8.94	0.01	0.05
2.13	0.44	0.56	8.94	0.01	0.05	2.14	0.44	0.56	8.93	0.01	0.05
2.15	0.44	0.56	8.93	0.01	0.05	2.16	0.46	0.54	8.92	0.01	0.05
2.17	0.46	0.54	8.91	0.01	0.05	2.18	0.47	0.53	8.91	0.01	0.05
2.19	0.48	0.52	8.91	0.01	0.05	2.20	0.49	0.51	8.90	0.01	0.05
2.21	0.49	0.51	8.90	0.01	0.05	2.22	0.49	0.51	8.89	0.01	0.05
2.23	0.50	0.50	8.89	0.01	0.04	2.24	0.51	0.49	8.88	0.01	0.04
2.25	0.51	0.49	8.88	0.01	0.04	2.26	0.51	0.49	8.87	0.01	0.04
2.27	0.51	0.49	8.87	0.01	0.04	2.28	0.51	0.49	8.86	0.01	0.04
2.29	0.51	0.49	8.86	0.01	0.04	2.30	0.52	0.48	8.85	0.01	0.04
2.31	0.52	0.48	8.85	0.01	0.04	2.32	0.54	0.46	8.84	0.01	0.04
2.33	0.55	0.45	8.84	0.01	0.04	2.34	0.56	0.44	8.83	0.01	0.04
2.35	0.57	0.43	8.82	0.01	0.04	2.36	0.58	0.42	8.82	0.01	0.04
2.37	0.58	0.42	8.82	0.01	0.04	2.38	0.59	0.41	8.81	0.01	0.04
2.39	0.59	0.41	8.81	0.01	0.04	2.40	0.58	0.42	8.80	0.01	0.04
2.41	0.58	0.42	8.80	0.01	0.04	2.42	0.58	0.42	8.79	0.01	0.04
2.43	0.56	0.44	8.79	0.01	0.04	2.44	0.56	0.44	8.78	0.01	0.04
2.45	0.55	0.45	8.78	0.01	0.04	2.46	0.54	0.46	8.77	0.01	0.04
2.47	0.54	0.46	8.77	0.01	0.04	2.48	0.52	0.48	8.76	0.01	0.04
2.49	0.52	0.48	8.76	0.01	0.04	2.50	0.52	0.48	8.75	0.01	0.04
2.51	0.51	0.49	8.74	0.01	0.04	2.52	0.50	0.50	8.74	0.01	0.04
2.53	0.49	0.51	8.74	0.01	0.04	2.54	0.48	0.52	8.73	0.01	0.05
2.55	0.47	0.53	8.73	0.01	0.05	2.56	0.47	0.53	8.72	0.01	0.05
2.57	0.44	0.56	8.72	0.01	0.05	2.58	0.43	0.57	8.71	0.01	0.05
2.59	0.42	0.58	8.71	0.01	0.05	2.60	0.39	0.61	8.70	0.01	0.05
2.61	0.38	0.62	8.70	0.01	0.05	2.62	0.37	0.63	8.69	0.01	0.06
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	0.41	0.59	8.65	0.01	0.05
2.71	0.45	0.55	8.65	0.01	0.05	2.72	0.47	0.53	8.64	0.01	0.05
2.73	0.43	0.57	8.64	0.01	0.05	2.74	0.40	0.60	8.63	0.01	0.05
2.75	0.38	0.62	8.63	0.01	0.05	2.76	0.37	0.63	8.62	0.01	0.05
2.77	0.38	0.62	8.62	0.01	0.05	2.78	0.37	0.63	8.61	0.01	0.05
2.79	0.37	0.63	8.61	0.01	0.05	2.80	0.37	0.63	8.60	0.01	0.05
2.81	0.36	0.64	8.60	0.01	0.05	2.82	0.37	0.63	8.59	0.01	0.05
2.83	0.37	0.63	8.59	0.01	0.05	2.84	0.38	0.62	8.58	0.01	0.05
2.85	0.38	0.62	8.57	0.01	0.05	2.86	0.39	0.61	8.57	0.01	0.05
2.87	0.40	0.60	8.57	0.01	0.05	2.88	0.40	0.60	8.56	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.40	0.60	8.56	0.01	0.05	2.90	0.40	0.60	8.55	0.01	0.05
2.91	0.40	0.60	8.55	0.01	0.05	2.92	0.37	0.63	8.54	0.01	0.05
2.93	0.37	0.63	8.54	0.01	0.05	2.94	0.38	0.62	8.53	0.01	0.05
2.95	0.38	0.62	8.53	0.01	0.05	2.96	0.39	0.61	8.52	0.01	0.05
2.97	0.39	0.61	8.52	0.01	0.05	2.98	0.40	0.60	8.51	0.01	0.05
2.99	0.40	0.60	8.51	0.01	0.05	3.00	0.39	0.61	8.50	0.01	0.05
3.01	0.39	0.61	8.49	0.01	0.05	3.02	0.39	0.61	8.49	0.01	0.05
3.03	0.38	0.62	8.49	0.01	0.05	3.04	0.37	0.63	8.48	0.01	0.05
3.05	0.37	0.63	8.48	0.01	0.05	3.06	0.36	0.64	8.47	0.01	0.05
3.07	0.35	0.65	8.47	0.01	0.05	3.08	0.35	0.65	8.46	0.01	0.06
3.09	0.35	0.65	8.46	0.01	0.06	3.10	0.35	0.65	8.45	0.01	0.06
3.11	0.35	0.65	8.45	0.01	0.05	3.12	0.36	0.64	8.44	0.01	0.05
3.13	0.36	0.64	8.44	0.01	0.05	3.14	0.37	0.63	8.43	0.01	0.05
3.15	0.37	0.63	8.43	0.01	0.05	3.16	0.38	0.62	8.42	0.01	0.05
3.17	0.38	0.62	8.41	0.01	0.05	3.18	0.38	0.62	8.41	0.01	0.05
3.19	0.39	0.61	8.41	0.01	0.05	3.20	0.39	0.61	8.40	0.01	0.05
3.21	0.39	0.61	8.40	0.01	0.05	3.22	0.39	0.61	8.39	0.01	0.05
3.23	0.39	0.61	8.39	0.01	0.05	3.24	0.39	0.61	8.38	0.01	0.05
3.25	0.39	0.61	8.38	0.01	0.05	3.26	0.39	0.61	8.37	0.01	0.05
3.27	0.38	0.62	8.37	0.01	0.05	3.28	0.38	0.62	8.36	0.01	0.05
3.29	0.37	0.63	8.36	0.01	0.05	3.30	0.36	0.64	8.35	0.01	0.05
3.31	0.35	0.65	8.35	0.01	0.05	3.32	0.34	0.66	8.34	0.01	0.06
3.33	0.33	0.67	8.34	0.01	0.06	3.34	0.33	0.67	8.33	0.01	0.06
3.35	0.33	0.67	8.32	0.01	0.06	3.36	0.33	0.67	8.32	0.01	0.06
3.37	0.33	0.67	8.32	0.01	0.06	3.38	0.33	0.67	8.31	0.01	0.06
3.39	0.33	0.67	8.31	0.01	0.06	3.40	0.32	0.68	8.30	0.01	0.06
3.41	0.32	0.68	8.30	0.01	0.06	3.42	0.32	0.68	8.29	0.01	0.06
3.43	0.32	0.68	8.29	0.01	0.06	3.44	0.32	0.68	8.28	0.01	0.06
3.45	0.32	0.68	8.28	0.01	0.06	3.46	0.33	0.67	8.27	0.01	0.06
3.47	0.33	0.67	8.27	0.01	0.05	3.48	0.34	0.66	8.26	0.01	0.05
3.49	0.34	0.66	8.26	0.01	0.05	3.50	0.34	0.66	8.25	0.01	0.05
3.51	0.34	0.66	8.24	0.01	0.05	3.52	0.34	0.66	8.24	0.01	0.05
3.53	0.34	0.66	8.24	0.01	0.05	3.54	0.34	0.66	8.23	0.01	0.05
3.55	0.34	0.66	8.23	0.01	0.05	3.56	0.34	0.66	8.22	0.01	0.05
3.57	0.34	0.66	8.22	0.01	0.05	3.58	0.34	0.66	8.21	0.01	0.05
3.59	0.34	0.66	8.21	0.01	0.05	3.60	0.35	0.65	8.20	0.01	0.05
3.61	0.35	0.65	8.20	0.01	0.05	3.62	0.36	0.64	8.19	0.01	0.05
3.63	0.37	0.63	8.19	0.01	0.05	3.64	0.38	0.62	8.18	0.01	0.05
3.65	0.38	0.62	8.18	0.01	0.05	3.66	0.39	0.61	8.17	0.01	0.05
3.67	0.39	0.61	8.16	0.01	0.05	3.68	0.39	0.61	8.16	0.01	0.05
3.69	0.39	0.61	8.16	0.01	0.05	3.70	0.40	0.60	8.15	0.01	0.05
3.71	0.39	0.61	8.15	0.01	0.05	3.72	0.39	0.61	8.14	0.01	0.05
3.73	0.38	0.62	8.14	0.01	0.05	3.74	0.37	0.63	8.13	0.01	0.05
3.75	0.35	0.65	8.13	0.01	0.05	3.76	0.35	0.65	8.12	0.01	0.05
3.77	0.34	0.66	8.12	0.01	0.05	3.78	0.35	0.65	8.11	0.01	0.05
3.79	0.35	0.65	8.11	0.01	0.05	3.80	0.37	0.63	8.10	0.01	0.05
3.81	0.38	0.62	8.10	0.01	0.05	3.82	0.39	0.61	8.09	0.01	0.05
3.83	0.40	0.60	8.09	0.01	0.05	3.84	0.44	0.56	8.08	0.01	0.05

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.45	0.55	8.07	0.01	0.04	3.86	0.47	0.53	8.07	0.01	0.04
3.87	0.52	0.48	8.07	0.01	0.04	3.88	0.53	0.47	8.06	0.01	0.04
3.89	0.55	0.45	8.06	0.01	0.04	3.90	0.54	0.46	8.05	0.01	0.04
3.91	0.54	0.46	8.05	0.01	0.04	3.92	0.50	0.50	8.04	0.01	0.04
3.93	0.50	0.50	8.04	0.01	0.04	3.94	0.48	0.52	8.03	0.01	0.04
3.95	0.47	0.53	8.03	0.01	0.04	3.96	0.46	0.54	8.02	0.01	0.04
3.97	0.45	0.55	8.02	0.01	0.04	3.98	0.44	0.56	8.01	0.01	0.04
3.99	0.43	0.57	8.01	0.01	0.05	4.00	0.43	0.57	8.00	0.01	0.05
4.01	0.42	0.58	8.00	0.01	0.05	4.02	0.41	0.59	7.99	0.01	0.05
4.03	0.40	0.60	7.99	0.01	0.05	4.04	0.40	0.60	7.98	0.01	0.05
4.05	0.40	0.60	7.98	0.01	0.05	4.06	0.40	0.60	7.97	0.01	0.05
4.07	0.40	0.60	7.97	0.01	0.05	4.08	0.41	0.59	7.96	0.01	0.05
4.09	0.40	0.60	7.96	0.01	0.05	4.10	0.39	0.61	7.95	0.01	0.05
4.11	0.39	0.61	7.95	0.01	0.05	4.12	0.38	0.62	7.94	0.01	0.05
4.13	0.38	0.62	7.94	0.01	0.05	4.14	0.38	0.62	7.93	0.01	0.05
4.15	0.37	0.63	7.93	0.01	0.05	4.16	0.37	0.63	7.92	0.01	0.05
4.17	0.37	0.63	7.92	0.01	0.05	4.18	0.37	0.63	7.91	0.01	0.05
4.19	0.38	0.62	7.91	0.01	0.05	4.20	0.39	0.61	7.90	0.01	0.05
4.21	0.39	0.61	7.90	0.01	0.05	4.22	0.39	0.61	7.89	0.01	0.05
4.23	0.39	0.61	7.89	0.01	0.05	4.24	0.38	0.62	7.88	0.01	0.05
4.25	0.37	0.63	7.88	0.01	0.05	4.26	0.37	0.63	7.87	0.01	0.05
4.27	0.38	0.62	7.87	0.01	0.05	4.28	0.39	0.61	7.86	0.01	0.05
4.29	0.40	0.60	7.86	0.01	0.05	4.30	0.40	0.60	7.85	0.01	0.05
4.31	0.39	0.61	7.85	0.01	0.05	4.32	0.38	0.62	7.84	0.01	0.05
4.33	0.37	0.63	7.84	0.01	0.05	4.34	0.36	0.64	7.83	0.01	0.05
4.35	0.36	0.64	7.83	0.01	0.05	4.36	0.37	0.63	7.82	0.01	0.05
4.37	0.37	0.63	7.82	0.01	0.05	4.38	0.38	0.62	7.81	0.01	0.05
4.39	0.39	0.61	7.81	0.01	0.05	4.40	0.40	0.60	7.80	0.01	0.05
4.41	0.40	0.60	7.80	0.01	0.05	4.42	0.40	0.60	7.79	0.01	0.05
4.43	0.40	0.60	7.79	0.01	0.05	4.44	0.40	0.60	7.78	0.01	0.05
4.45	0.40	0.60	7.78	0.01	0.05	4.46	0.39	0.61	7.77	0.01	0.05
4.47	0.38	0.62	7.77	0.01	0.05	4.48	0.37	0.63	7.76	0.01	0.05
4.49	0.36	0.64	7.76	0.01	0.05	4.50	0.35	0.65	7.75	0.01	0.05
4.51	0.33	0.67	7.75	0.01	0.05	4.52	0.32	0.68	7.74	0.01	0.05
4.53	0.32	0.68	7.74	0.01	0.05	4.54	0.31	0.69	7.73	0.01	0.05
4.55	0.31	0.69	7.73	0.01	0.05	4.56	0.31	0.69	7.72	0.01	0.05
4.57	0.30	0.70	7.72	0.01	0.05	4.58	0.30	0.70	7.71	0.01	0.05
4.59	0.30	0.70	7.71	0.01	0.05	4.60	0.30	0.70	7.70	0.01	0.05
4.61	0.30	0.70	7.70	0.01	0.05	4.62	0.30	0.70	7.69	0.01	0.05
4.63	0.30	0.70	7.69	0.01	0.05	4.64	0.31	0.69	7.68	0.01	0.05
4.65	0.31	0.69	7.68	0.01	0.05	4.66	0.32	0.68	7.67	0.01	0.05
4.67	0.33	0.67	7.67	0.01	0.05	4.68	0.33	0.67	7.66	0.01	0.05
4.69	0.34	0.66	7.66	0.01	0.05	4.70	0.34	0.66	7.65	0.01	0.05
4.71	0.34	0.66	7.65	0.01	0.05	4.72	0.34	0.66	7.64	0.01	0.05
4.73	0.34	0.66	7.64	0.01	0.05	4.74	0.33	0.67	7.63	0.01	0.05
4.75	0.33	0.67	7.63	0.01	0.05	4.76	0.32	0.68	7.62	0.01	0.05
4.77	0.32	0.68	7.62	0.01	0.05	4.78	0.32	0.68	7.61	0.01	0.05
4.79	0.33	0.67	7.61	0.01	0.05	4.80	0.33	0.67	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.34	0.66	7.60	0.01	0.05	4.82	0.35	0.65	7.59	0.01	0.05
4.83	0.35	0.65	7.59	0.01	0.05	4.84	0.35	0.65	7.58	0.01	0.05
4.85	0.35	0.65	7.58	0.01	0.05	4.86	0.35	0.65	7.57	0.01	0.05
4.87	0.34	0.66	7.57	0.01	0.05	4.88	0.34	0.66	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.33	0.67	7.55	0.01	0.05	4.92	0.32	0.68	7.54	0.01	0.05
4.93	0.31	0.69	7.54	0.01	0.05	4.94	0.31	0.69	7.53	0.01	0.05
4.95	0.31	0.69	7.53	0.01	0.05	4.96	0.32	0.68	7.52	0.01	0.05
4.97	0.32	0.68	7.52	0.01	0.05	4.98	0.31	0.69	7.51	0.01	0.05
4.99	0.31	0.69	7.51	0.01	0.05	5.00	0.30	0.70	7.50	0.01	0.05
5.01	0.29	0.71	7.50	0.01	0.05	5.02	0.28	0.72	7.49	0.01	0.05
5.03	0.27	0.73	7.49	0.01	0.05	5.04	0.27	0.73	7.48	0.01	0.05
5.05	0.28	0.72	7.48	0.01	0.05	5.06	0.29	0.71	7.47	0.01	0.05
5.07	0.29	0.71	7.47	0.01	0.05	5.08	0.30	0.70	7.46	0.01	0.05
5.09	0.30	0.70	7.46	0.01	0.05	5.10	0.30	0.70	7.45	0.01	0.05
5.11	0.31	0.69	7.45	0.01	0.05	5.12	0.33	0.67	7.44	0.01	0.05
5.13	0.34	0.66	7.44	0.01	0.05	5.14	0.34	0.66	7.43	0.01	0.05
5.15	0.34	0.66	7.43	0.01	0.05	5.16	0.33	0.67	7.42	0.01	0.05
5.17	0.33	0.67	7.42	0.01	0.05	5.18	0.33	0.67	7.41	0.01	0.05
5.19	0.33	0.67	7.41	0.01	0.05	5.20	0.32	0.68	7.40	0.01	0.05
5.21	0.32	0.68	7.40	0.01	0.05	5.22	0.32	0.68	7.39	0.01	0.05
5.23	0.32	0.68	7.39	0.01	0.05	5.24	0.32	0.68	7.38	0.01	0.05
5.25	0.32	0.68	7.38	0.01	0.05	5.26	0.32	0.68	7.37	0.01	0.05
5.27	0.33	0.67	7.37	0.01	0.05	5.28	0.32	0.68	7.36	0.01	0.05
5.29	0.33	0.67	7.36	0.01	0.05	5.30	0.33	0.67	7.35	0.01	0.05
5.31	0.33	0.67	7.35	0.01	0.05	5.32	0.33	0.67	7.34	0.01	0.05
5.33	0.33	0.67	7.34	0.01	0.05	5.34	0.32	0.68	7.33	0.01	0.05
5.35	0.31	0.69	7.33	0.01	0.05	5.36	0.31	0.69	7.32	0.01	0.05
5.37	0.30	0.70	7.32	0.01	0.05	5.38	0.30	0.70	7.31	0.01	0.05
5.39	0.30	0.70	7.31	0.01	0.05	5.40	0.29	0.71	7.30	0.01	0.05
5.41	0.30	0.70	7.30	0.01	0.05	5.42	0.29	0.71	7.29	0.01	0.05
5.43	0.29	0.71	7.29	0.01	0.05	5.44	0.29	0.71	7.28	0.01	0.05
5.45	0.29	0.71	7.28	0.01	0.05	5.46	0.28	0.72	7.27	0.01	0.05
5.47	0.28	0.72	7.27	0.01	0.05	5.48	0.28	0.72	7.26	0.01	0.05
5.49	0.27	0.73	7.26	0.01	0.05	5.50	2.00	0.00	7.25	0.01	0.00
5.51	2.00	0.00	7.25	0.01	0.00	5.52	2.00	0.00	7.24	0.01	0.00
5.53	2.00	0.00	7.24	0.01	0.00	5.54	2.00	0.00	7.23	0.01	0.00
5.55	2.00	0.00	7.23	0.01	0.00	5.56	0.29	0.71	7.22	0.01	0.05
5.57	0.30	0.70	7.22	0.01	0.05	5.58	0.33	0.67	7.21	0.01	0.05
5.59	0.29	0.71	7.21	0.01	0.05	5.60	0.29	0.71	7.20	0.01	0.05
5.61	0.30	0.70	7.20	0.01	0.05	5.62	0.30	0.70	7.19	0.01	0.05
5.63	0.30	0.70	7.19	0.01	0.05	5.64	0.30	0.70	7.18	0.01	0.05
5.65	0.30	0.70	7.18	0.01	0.05	5.66	0.29	0.71	7.17	0.01	0.05
5.67	0.29	0.71	7.17	0.01	0.05	5.68	0.29	0.71	7.16	0.01	0.05
5.69	0.30	0.70	7.16	0.01	0.05	5.70	0.31	0.69	7.15	0.01	0.05
5.71	0.33	0.67	7.15	0.01	0.05	5.72	0.33	0.67	7.14	0.01	0.05
5.73	0.34	0.66	7.14	0.01	0.05	5.74	0.35	0.65	7.13	0.01	0.05
5.75	0.35	0.65	7.13	0.01	0.05	5.76	0.36	0.64	7.12	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.36	0.64	7.12	0.01	0.05	5.78	0.36	0.64	7.11	0.01	0.05
5.79	0.36	0.64	7.11	0.01	0.05	5.80	0.36	0.64	7.10	0.01	0.05
5.81	0.35	0.65	7.10	0.01	0.05	5.82	0.35	0.65	7.09	0.01	0.05
5.83	0.35	0.65	7.09	0.01	0.05	5.84	0.34	0.66	7.08	0.01	0.05
5.85	0.34	0.66	7.08	0.01	0.05	5.86	0.33	0.67	7.07	0.01	0.05
5.87	0.33	0.67	7.07	0.01	0.05	5.88	0.32	0.68	7.06	0.01	0.05
5.89	0.31	0.69	7.06	0.01	0.05	5.90	0.31	0.69	7.05	0.01	0.05
5.91	0.32	0.68	7.05	0.01	0.05	5.92	0.29	0.71	7.04	0.01	0.05
5.93	0.29	0.71	7.04	0.01	0.05	5.94	0.29	0.71	7.03	0.01	0.05
5.95	0.28	0.72	7.03	0.01	0.05	5.96	0.28	0.72	7.02	0.01	0.05
5.97	0.28	0.72	7.02	0.01	0.05	5.98	0.28	0.72	7.01	0.01	0.05
5.99	0.27	0.73	7.01	0.01	0.05	6.00	2.00	0.00	7.00	0.01	0.00
6.01	2.00	0.00	7.00	0.01	0.00	6.02	0.28	0.72	6.99	0.01	0.05
6.03	0.28	0.72	6.99	0.01	0.05	6.04	2.00	0.00	6.98	0.01	0.00
6.05	2.00	0.00	6.98	0.01	0.00	6.06	2.00	0.00	6.97	0.01	0.00
6.07	2.00	0.00	6.97	0.01	0.00	6.08	2.00	0.00	6.96	0.01	0.00
6.09	2.00	0.00	6.96	0.01	0.00	6.10	2.00	0.00	6.95	0.01	0.00
6.11	2.00	0.00	6.95	0.01	0.00	6.12	2.00	0.00	6.94	0.01	0.00
6.13	2.00	0.00	6.94	0.01	0.00	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	0.29	0.71	6.91	0.01	0.05	6.20	0.31	0.69	6.90	0.01	0.05
6.21	0.31	0.69	6.90	0.01	0.05	6.22	0.32	0.68	6.89	0.01	0.05
6.23	0.31	0.69	6.89	0.01	0.05	6.24	0.31	0.69	6.88	0.01	0.05
6.25	0.30	0.70	6.88	0.01	0.05	6.26	0.29	0.71	6.87	0.01	0.05
6.27	0.29	0.71	6.87	0.01	0.05	6.28	0.28	0.72	6.86	0.01	0.05
6.29	0.28	0.72	6.86	0.01	0.05	6.30	0.28	0.72	6.85	0.01	0.05
6.31	0.29	0.71	6.85	0.01	0.05	6.32	0.29	0.71	6.84	0.01	0.05
6.33	0.29	0.71	6.84	0.01	0.05	6.34	0.29	0.71	6.83	0.01	0.05
6.35	0.29	0.71	6.83	0.01	0.05	6.36	0.30	0.70	6.82	0.01	0.05
6.37	0.30	0.70	6.82	0.01	0.05	6.38	0.30	0.70	6.81	0.01	0.05
6.39	0.30	0.70	6.81	0.01	0.05	6.40	0.30	0.70	6.80	0.01	0.05
6.41	0.30	0.70	6.80	0.01	0.05	6.42	0.30	0.70	6.79	0.01	0.05
6.43	0.29	0.71	6.79	0.01	0.05	6.44	0.29	0.71	6.78	0.01	0.05
6.45	0.29	0.71	6.78	0.01	0.05	6.46	0.29	0.71	6.77	0.01	0.05
6.47	0.29	0.71	6.77	0.01	0.05	6.48	0.29	0.71	6.76	0.01	0.05
6.49	0.28	0.72	6.76	0.01	0.05	6.50	0.28	0.72	6.75	0.01	0.05
6.51	0.28	0.72	6.75	0.01	0.05	6.52	0.28	0.72	6.74	0.01	0.05
6.53	0.28	0.72	6.74	0.01	0.05	6.54	0.28	0.72	6.73	0.01	0.05
6.55	0.28	0.72	6.73	0.01	0.05	6.56	0.27	0.73	6.72	0.01	0.05
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	0.30	0.70	6.66	0.01	0.05
6.69	0.31	0.69	6.66	0.01	0.05	6.70	0.34	0.66	6.65	0.01	0.04
6.71	0.34	0.66	6.65	0.01	0.04	6.72	0.35	0.65	6.64	0.01	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.34	0.66	6.64	0.01	0.04	6.74	0.34	0.66	6.63	0.01	0.04
6.75	0.33	0.67	6.63	0.01	0.04	6.76	0.31	0.69	6.62	0.01	0.05
6.77	0.30	0.70	6.62	0.01	0.05	6.78	0.28	0.72	6.61	0.01	0.05
6.79	0.26	0.74	6.61	0.01	0.05	6.80	0.25	0.75	6.60	0.01	0.05
6.81	0.26	0.74	6.60	0.01	0.05	6.82	0.26	0.74	6.59	0.01	0.05
6.83	0.27	0.73	6.59	0.01	0.05	6.84	0.27	0.73	6.58	0.01	0.05
6.85	0.27	0.73	6.58	0.01	0.05	6.86	0.28	0.72	6.57	0.01	0.05
6.87	0.29	0.71	6.57	0.01	0.05	6.88	0.30	0.70	6.56	0.01	0.05
6.89	0.29	0.71	6.56	0.01	0.05	6.90	0.30	0.70	6.55	0.01	0.05
6.91	0.31	0.69	6.55	0.01	0.04	6.92	0.28	0.72	6.54	0.01	0.05
6.93	0.29	0.71	6.54	0.01	0.05	6.94	0.29	0.71	6.53	0.01	0.05
6.95	0.28	0.72	6.53	0.01	0.05	6.96	0.28	0.72	6.52	0.01	0.05
6.97	0.28	0.72	6.52	0.01	0.05	6.98	0.28	0.72	6.51	0.01	0.05
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	0.28	0.72	6.46	0.01	0.05	7.10	0.32	0.68	6.45	0.01	0.04
7.11	0.32	0.68	6.45	0.01	0.04	7.12	0.32	0.68	6.44	0.01	0.04
7.13	0.32	0.68	6.44	0.01	0.04	7.14	0.31	0.69	6.43	0.01	0.04
7.15	0.30	0.70	6.43	0.01	0.04	7.16	0.30	0.70	6.42	0.01	0.04
7.17	0.30	0.70	6.42	0.01	0.05	7.18	0.29	0.71	6.41	0.01	0.05
7.19	0.29	0.71	6.41	0.01	0.05	7.20	0.28	0.72	6.40	0.01	0.05
7.21	0.28	0.72	6.40	0.01	0.05	7.22	0.28	0.72	6.39	0.01	0.05
7.23	0.27	0.73	6.39	0.01	0.05	7.24	0.28	0.72	6.38	0.01	0.05
7.25	0.28	0.72	6.38	0.01	0.05	7.26	0.28	0.72	6.37	0.01	0.05
7.27	0.28	0.72	6.37	0.01	0.05	7.28	0.29	0.71	6.36	0.01	0.05
7.29	0.29	0.71	6.36	0.01	0.05	7.30	0.28	0.72	6.35	0.01	0.05
7.31	0.28	0.72	6.35	0.01	0.05	7.32	0.28	0.72	6.34	0.01	0.05
7.33	0.28	0.72	6.34	0.01	0.05	7.34	0.27	0.73	6.33	0.01	0.05
7.35	0.27	0.73	6.33	0.01	0.05	7.36	0.27	0.73	6.32	0.01	0.05
7.37	0.26	0.74	6.32	0.01	0.05	7.38	0.26	0.74	6.31	0.01	0.05
7.39	0.26	0.74	6.31	0.01	0.05	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	0.28	0.72	6.24	0.01	0.05	7.54	0.31	0.69	6.23	0.01	0.04
7.55	0.31	0.69	6.23	0.01	0.04	7.56	0.30	0.70	6.22	0.01	0.04
7.57	0.29	0.71	6.22	0.01	0.04	7.58	0.29	0.71	6.21	0.01	0.04
7.59	0.29	0.71	6.21	0.01	0.04	7.60	0.28	0.72	6.20	0.01	0.04
7.61	0.28	0.72	6.20	0.01	0.04	7.62	0.28	0.72	6.19	0.01	0.04
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00
13.81	2.00	0.00	3.10	0.01	0.00	13.82	2.00	0.00	3.09	0.01	0.00
13.83	2.00	0.00	3.09	0.01	0.00	13.84	2.00	0.00	3.08	0.01	0.00
13.85	2.00	0.00	3.08	0.01	0.00	13.86	2.00	0.00	3.07	0.01	0.00
13.87	0.33	0.67	3.07	0.01	0.02	13.88	0.35	0.65	3.06	0.01	0.02
13.89	0.35	0.65	3.06	0.01	0.02	13.90	0.35	0.65	3.05	0.01	0.02
13.91	0.36	0.64	3.05	0.01	0.02	13.92	2.00	0.00	3.04	0.01	0.00
13.93	2.00	0.00	3.04	0.01	0.00	13.94	2.00	0.00	3.03	0.01	0.00
13.95	2.00	0.00	3.03	0.01	0.00	13.96	2.00	0.00	3.02	0.01	0.00
13.97	2.00	0.00	3.02	0.01	0.00	13.98	2.00	0.00	3.01	0.01	0.00
13.99	2.00	0.00	3.01	0.01	0.00	14.00	2.00	0.00	3.00	0.01	0.00
14.01	2.00	0.00	3.00	0.01	0.00	14.02	2.00	0.00	2.99	0.01	0.00
14.03	2.00	0.00	2.99	0.01	0.00	14.04	2.00	0.00	2.98	0.01	0.00
14.05	2.00	0.00	2.98	0.01	0.00	14.06	2.00	0.00	2.97	0.01	0.00
14.07	2.00	0.00	2.97	0.01	0.00	14.08	2.00	0.00	2.96	0.01	0.00
14.09	2.00	0.00	2.96	0.01	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.11	2.00	0.00	2.95	0.01	0.00	14.12	2.00	0.00	2.94	0.01	0.00
14.13	2.00	0.00	2.94	0.01	0.00	14.14	2.00	0.00	2.93	0.01	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.16	2.00	0.00	2.92	0.01	0.00
14.17	2.00	0.00	2.92	0.01	0.00	14.18	2.00	0.00	2.91	0.01	0.00
14.19	2.00	0.00	2.91	0.01	0.00	14.20	2.00	0.00	2.90	0.01	0.00
14.21	2.00	0.00	2.90	0.01	0.00	14.22	2.00	0.00	2.89	0.01	0.00
14.23	2.00	0.00	2.89	0.01	0.00	14.24	2.00	0.00	2.88	0.01	0.00
14.25	2.00	0.00	2.88	0.01	0.00	14.26	2.00	0.00	2.87	0.01	0.00
14.27	2.00	0.00	2.87	0.01	0.00	14.28	2.00	0.00	2.86	0.01	0.00
14.29	2.00	0.00	2.86	0.01	0.00	14.30	2.00	0.00	2.85	0.01	0.00
14.31	2.00	0.00	2.85	0.01	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.33	2.00	0.00	2.84	0.01	0.00	14.34	2.00	0.00	2.83	0.01	0.00
14.35	2.00	0.00	2.83	0.01	0.00	14.36	2.00	0.00	2.82	0.01	0.00
14.37	2.00	0.00	2.82	0.01	0.00	14.38	2.00	0.00	2.81	0.01	0.00
14.39	2.00	0.00	2.81	0.01	0.00	14.40	2.00	0.00	2.80	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
14.41	2.00	0.00	2.80	0.01	0.00	14.42	2.00	0.00	2.79	0.01	0.00
14.43	0.35	0.65	2.79	0.01	0.02	14.44	0.36	0.64	2.78	0.01	0.02
14.45	0.36	0.64	2.78	0.01	0.02	14.46	2.00	0.00	2.77	0.01	0.00
14.47	2.00	0.00	2.77	0.01	0.00	14.48	2.00	0.00	2.76	0.01	0.00
14.49	2.00	0.00	2.76	0.01	0.00	14.50	2.00	0.00	2.75	0.01	0.00
14.51	2.00	0.00	2.75	0.01	0.00	14.52	2.00	0.00	2.74	0.01	0.00
14.53	2.00	0.00	2.74	0.01	0.00	14.54	2.00	0.00	2.73	0.01	0.00
14.55	2.00	0.00	2.73	0.01	0.00	14.56	2.00	0.00	2.72	0.01	0.00
14.57	2.00	0.00	2.72	0.01	0.00	14.58	2.00	0.00	2.71	0.01	0.00
14.59	2.00	0.00	2.71	0.01	0.00	14.60	2.00	0.00	2.70	0.01	0.00
14.61	2.00	0.00	2.70	0.01	0.00	14.62	2.00	0.00	2.69	0.01	0.00
14.63	2.00	0.00	2.69	0.01	0.00	14.64	2.00	0.00	2.68	0.01	0.00
14.65	2.00	0.00	2.67	0.01	0.00	14.66	2.00	0.00	2.67	0.01	0.00
14.67	2.00	0.00	2.67	0.01	0.00	14.68	2.00	0.00	2.66	0.01	0.00
14.69	2.00	0.00	2.65	0.01	0.00	14.70	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.01	0.00	14.72	2.00	0.00	2.64	0.01	0.00
14.73	2.00	0.00	2.63	0.01	0.00	14.74	2.00	0.00	2.63	0.01	0.00
14.75	2.00	0.00	2.63	0.01	0.00	14.76	2.00	0.00	2.62	0.01	0.00
14.77	2.00	0.00	2.62	0.01	0.00	14.78	2.00	0.00	2.61	0.01	0.00
14.79	2.00	0.00	2.61	0.01	0.00	14.80	2.00	0.00	2.60	0.01	0.00

**Overall liquefaction potential: 25.75**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point

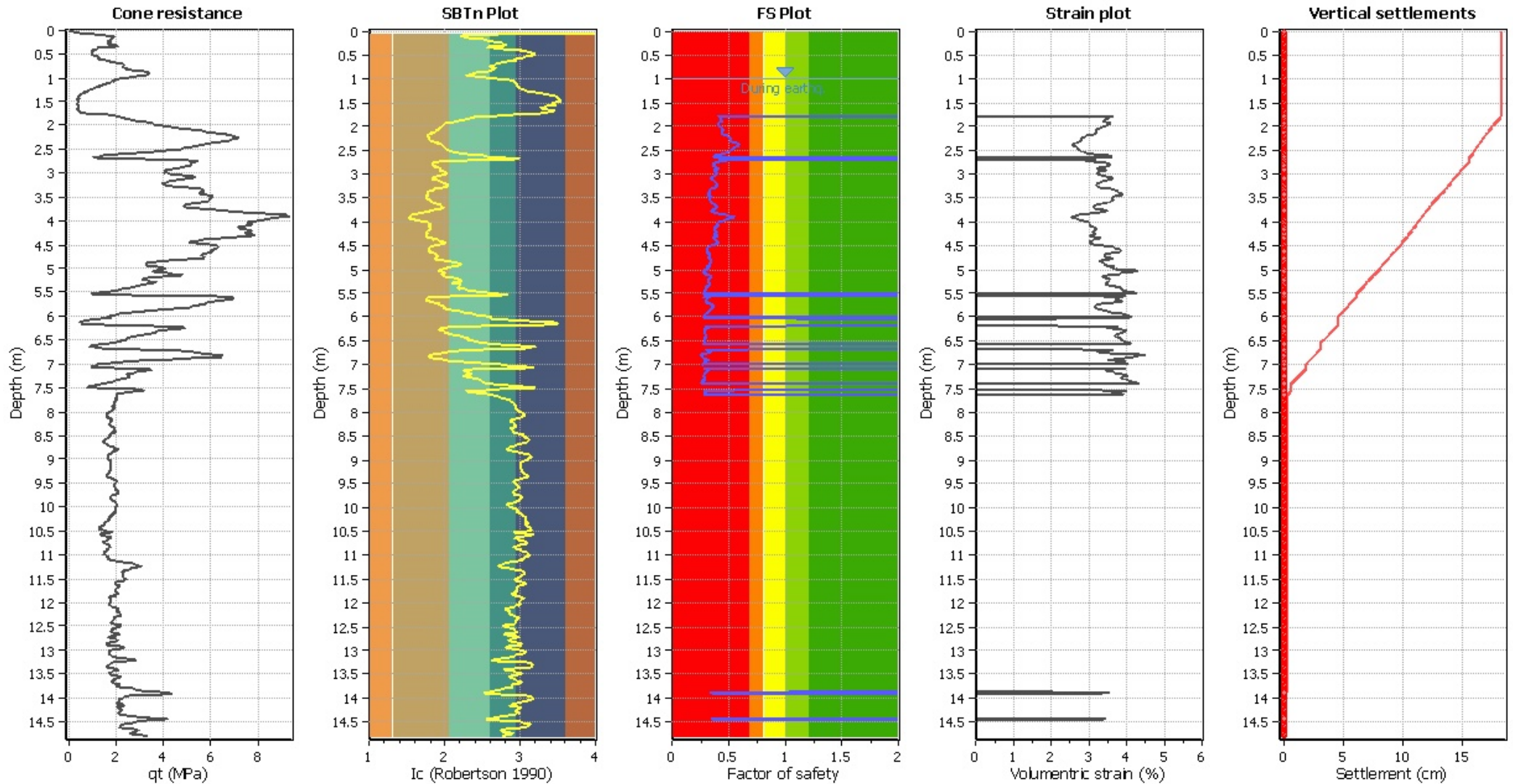
F<sub>L</sub>: 1 - FS

w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth

d<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	42.78	2.00	0.00	1.00	0.00	1.01	38.09	2.00	0.00	1.00	0.00
1.02	35.74	2.00	0.00	1.00	0.00	1.03	35.07	2.00	0.00	1.00	0.00
1.04	33.89	2.00	0.00	1.00	0.00	1.05	32.05	2.00	0.00	1.00	0.00
1.06	31.54	2.00	0.00	1.00	0.00	1.07	30.54	2.00	0.00	1.00	0.00
1.08	30.20	2.00	0.00	1.00	0.00	1.09	29.86	2.00	0.00	1.00	0.00
1.10	28.02	2.00	0.00	1.00	0.00	1.11	26.84	2.00	0.00	1.00	0.00
1.12	26.51	2.00	0.00	1.00	0.00	1.13	26.84	2.00	0.00	1.00	0.00
1.14	25.84	2.00	0.00	1.00	0.00	1.15	24.33	2.00	0.00	1.00	0.00
1.16	23.82	2.00	0.00	1.00	0.00	1.17	22.31	2.00	0.00	1.00	0.00
1.18	21.48	2.00	0.00	1.00	0.00	1.19	21.48	2.00	0.00	1.00	0.00
1.20	19.97	2.00	0.00	1.00	0.00	1.21	19.46	2.00	0.00	1.00	0.00
1.22	18.96	2.00	0.00	1.00	0.00	1.23	17.45	2.00	0.00	1.00	0.00
1.24	16.95	2.00	0.00	1.00	0.00	1.25	16.27	2.00	0.00	1.00	0.00
1.26	15.10	2.00	0.00	1.00	0.00	1.27	14.43	2.00	0.00	1.00	0.00
1.28	12.75	2.00	0.00	1.00	0.00	1.29	12.25	2.00	0.00	1.00	0.00
1.30	11.74	2.00	0.00	1.00	0.00	1.31	11.07	2.00	0.00	1.00	0.00
1.32	10.74	2.00	0.00	1.00	0.00	1.33	9.90	2.00	0.00	1.00	0.00
1.34	9.56	2.00	0.00	1.00	0.00	1.35	9.23	2.00	0.00	1.00	0.00
1.36	8.56	2.00	0.00	1.00	0.00	1.37	8.05	2.00	0.00	1.00	0.00
1.38	7.72	2.00	0.00	1.00	0.00	1.39	7.55	2.00	0.00	1.00	0.00
1.40	7.55	2.00	0.00	1.00	0.00	1.41	7.21	2.00	0.00	1.00	0.00
1.42	7.05	2.00	0.00	1.00	0.00	1.43	6.71	2.00	0.00	1.00	0.00
1.44	6.38	2.00	0.00	1.00	0.00	1.45	6.38	2.00	0.00	1.00	0.00
1.46	6.38	2.00	0.00	1.00	0.00	1.47	6.54	2.00	0.00	1.00	0.00
1.48	6.54	2.00	0.00	1.00	0.00	1.49	7.38	2.00	0.00	1.00	0.00
1.50	7.21	2.00	0.00	1.00	0.00	1.51	6.71	2.00	0.00	1.00	0.00
1.52	6.54	2.00	0.00	1.00	0.00	1.53	6.38	2.00	0.00	1.00	0.00
1.54	6.21	2.00	0.00	1.00	0.00	1.55	6.21	2.00	0.00	1.00	0.00
1.56	6.21	2.00	0.00	1.00	0.00	1.57	6.71	2.00	0.00	1.00	0.00
1.58	6.88	2.00	0.00	1.00	0.00	1.59	7.21	2.00	0.00	1.00	0.00
1.60	7.55	2.00	0.00	1.00	0.00	1.61	7.55	2.00	0.00	1.00	0.00
1.62	7.72	2.00	0.00	1.00	0.00	1.63	7.38	2.00	0.00	1.00	0.00
1.64	7.21	2.00	0.00	1.00	0.00	1.65	6.71	2.00	0.00	1.00	0.00
1.66	6.38	2.00	0.00	1.00	0.00	1.67	6.04	2.00	0.00	1.00	0.00
1.68	6.21	2.00	0.00	1.00	0.00	1.69	6.54	2.00	0.00	1.00	0.00
1.70	6.88	2.00	0.00	1.00	0.00	1.71	7.55	2.00	0.00	1.00	0.00
1.72	7.72	2.00	0.00	1.00	0.00	1.73	8.22	2.00	0.00	1.00	0.00
1.74	8.72	2.00	0.00	1.00	0.00	1.75	10.07	2.00	0.00	1.00	0.00
1.76	15.10	2.00	0.00	1.00	0.00	1.77	19.13	2.00	0.00	1.00	0.00
1.78	88.27	0.41	3.64	1.00	0.04	1.79	91.69	0.42	3.51	1.00	0.04
1.80	93.98	0.43	3.42	1.00	0.03	1.81	90.70	0.42	3.55	1.00	0.04
1.82	91.53	0.42	3.51	1.00	0.04	1.83	92.79	0.43	3.47	1.00	0.03
1.84	92.32	0.42	3.48	1.00	0.03	1.85	91.85	0.42	3.50	1.00	0.04
1.86	92.62	0.42	3.47	1.00	0.03	1.87	92.53	0.42	3.48	1.00	0.03
1.88	94.90	0.43	3.39	1.00	0.03	1.89	95.99	0.44	3.35	1.00	0.03
1.90	95.52	0.43	3.37	1.00	0.03	1.91	92.94	0.42	3.46	1.00	0.03
1.92	92.42	0.42	3.48	1.00	0.03	1.93	89.86	0.40	3.58	1.00	0.04
1.94	90.08	0.40	3.57	1.00	0.04	1.95	91.91	0.41	3.50	1.00	0.03



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	91.67	0.41	3.51	1.00	0.04	1.97	92.45	0.41	3.48	1.00	0.03
1.98	93.05	0.41	3.46	1.00	0.03	1.99	93.55	0.42	3.44	1.00	0.03
2.00	95.11	0.42	3.38	1.00	0.03	2.01	97.40	0.43	3.30	1.00	0.03
2.02	97.64	0.43	3.29	1.00	0.03	2.03	97.66	0.43	3.29	1.00	0.03
2.04	99.49	0.44	3.23	1.00	0.03	2.05	99.58	0.44	3.23	1.00	0.03
2.06	100.29	0.44	3.20	1.00	0.03	2.07	99.84	0.44	3.22	1.00	0.03
2.08	101.25	0.45	3.17	1.00	0.03	2.09	100.51	0.44	3.20	1.00	0.03
2.10	100.06	0.44	3.21	1.00	0.03	2.11	99.30	0.44	3.24	1.00	0.03
2.12	100.42	0.44	3.20	1.00	0.03	2.13	100.26	0.44	3.20	1.00	0.03
2.14	100.82	0.44	3.19	1.00	0.03	2.15	101.16	0.44	3.18	1.00	0.03
2.16	103.75	0.46	3.09	1.00	0.03	2.17	104.98	0.46	3.06	1.00	0.03
2.18	106.28	0.47	3.02	1.00	0.03	2.19	108.25	0.48	2.96	1.00	0.03
2.20	108.95	0.49	2.94	1.00	0.03	2.21	109.41	0.49	2.93	1.00	0.03
2.22	110.01	0.49	2.91	1.00	0.03	2.23	110.84	0.50	2.89	1.00	0.03
2.24	112.44	0.51	2.85	1.00	0.03	2.25	113.13	0.51	2.83	1.00	0.03
2.26	113.38	0.51	2.82	1.00	0.03	2.27	113.38	0.51	2.82	1.00	0.03
2.28	113.40	0.51	2.82	1.00	0.03	2.29	113.31	0.51	2.82	1.00	0.03
2.30	114.64	0.52	2.79	1.00	0.03	2.31	114.74	0.52	2.78	1.00	0.03
2.32	117.15	0.54	2.72	1.00	0.03	2.33	118.41	0.55	2.69	1.00	0.03
2.34	119.63	0.56	2.66	1.00	0.03	2.35	121.30	0.57	2.62	1.00	0.03
2.36	121.62	0.58	2.62	1.00	0.03	2.37	122.63	0.58	2.59	1.00	0.03
2.38	123.19	0.59	2.58	1.00	0.03	2.39	123.51	0.59	2.57	1.00	0.03
2.40	122.70	0.58	2.59	1.00	0.03	2.41	122.57	0.58	2.60	1.00	0.03
2.42	122.35	0.58	2.60	1.00	0.03	2.43	120.77	0.56	2.64	1.00	0.03
2.44	120.14	0.56	2.65	1.00	0.03	2.45	119.52	0.55	2.67	1.00	0.03
2.46	118.82	0.54	2.68	1.00	0.03	2.47	118.67	0.54	2.69	1.00	0.03
2.48	116.71	0.52	2.74	1.00	0.03	2.49	116.50	0.52	2.74	1.00	0.03
2.50	115.73	0.52	2.76	1.00	0.03	2.51	115.66	0.51	2.76	1.00	0.03
2.52	113.27	0.50	2.82	1.00	0.03	2.53	112.60	0.49	2.84	1.00	0.03
2.54	111.54	0.48	2.87	1.00	0.03	2.55	110.20	0.47	2.91	1.00	0.03
2.56	109.17	0.47	2.93	1.00	0.03	2.57	105.25	0.44	3.05	1.00	0.03
2.58	103.48	0.43	3.10	1.00	0.03	2.59	101.26	0.42	3.17	1.00	0.03
2.60	94.51	0.39	3.40	1.00	0.03	2.61	92.18	0.38	3.49	1.00	0.03
2.62	89.13	0.37	3.61	1.00	0.04	2.63	26.68	2.00	0.00	1.00	0.00
2.64	24.06	2.00	0.00	1.00	0.00	2.65	21.41	2.00	0.00	1.00	0.00
2.66	16.74	2.00	0.00	1.00	0.00	2.67	16.71	2.00	0.00	1.00	0.00
2.68	17.34	2.00	0.00	1.00	0.00	2.69	25.48	2.00	0.00	1.00	0.00
2.70	101.20	0.41	3.17	1.00	0.03	2.71	107.56	0.45	2.98	1.00	0.03
2.72	110.69	0.47	2.89	1.00	0.03	2.73	105.23	0.43	3.05	1.00	0.03
2.74	98.97	0.40	3.25	1.00	0.03	2.75	94.13	0.38	3.42	1.00	0.03
2.76	92.89	0.37	3.46	1.00	0.03	2.77	93.34	0.38	3.45	1.00	0.03
2.78	91.56	0.37	3.51	1.00	0.04	2.79	90.91	0.37	3.54	1.00	0.04
2.80	90.78	0.37	3.54	1.00	0.04	2.81	90.59	0.36	3.55	1.00	0.04
2.82	91.16	0.37	3.53	1.00	0.04	2.83	91.75	0.37	3.51	1.00	0.04
2.84	93.68	0.38	3.43	1.00	0.03	2.85	94.74	0.38	3.39	1.00	0.03
2.86	97.25	0.39	3.31	1.00	0.03	2.87	99.08	0.40	3.24	1.00	0.03
2.88	100.50	0.40	3.20	1.00	0.03	2.89	99.32	0.40	3.24	1.00	0.03
2.90	99.91	0.40	3.22	1.00	0.03	2.91	98.96	0.40	3.25	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	92.71	0.37	3.47	1.00	0.03	2.93	93.44	0.37	3.44	1.00	0.03
2.94	95.65	0.38	3.36	1.00	0.03	2.95	96.76	0.38	3.32	1.00	0.03
2.96	97.94	0.39	3.28	1.00	0.03	2.97	98.91	0.39	3.25	1.00	0.03
2.98	99.42	0.40	3.23	1.00	0.03	2.99	99.73	0.40	3.22	1.00	0.03
3.00	98.30	0.39	3.27	1.00	0.03	3.01	99.34	0.39	3.23	1.00	0.03
3.02	97.33	0.39	3.30	1.00	0.03	3.03	96.04	0.38	3.35	1.00	0.03
3.04	93.23	0.37	3.45	1.00	0.03	3.05	92.74	0.37	3.47	1.00	0.03
3.06	90.21	0.36	3.56	1.00	0.04	3.07	89.23	0.35	3.60	1.00	0.04
3.08	88.89	0.35	3.62	1.00	0.04	3.09	88.32	0.35	3.64	1.00	0.04
3.10	88.48	0.35	3.63	1.00	0.04	3.11	88.97	0.35	3.61	1.00	0.04
3.12	90.99	0.36	3.53	1.00	0.04	3.13	91.39	0.36	3.52	1.00	0.04
3.14	93.84	0.37	3.43	1.00	0.03	3.15	95.25	0.37	3.38	1.00	0.03
3.16	96.46	0.38	3.33	1.00	0.03	3.17	98.20	0.38	3.27	1.00	0.03
3.18	98.29	0.38	3.27	1.00	0.03	3.19	99.49	0.39	3.23	1.00	0.03
3.20	100.21	0.39	3.21	1.00	0.03	3.21	100.08	0.39	3.21	1.00	0.03
3.22	100.30	0.39	3.20	1.00	0.03	3.23	100.41	0.39	3.20	1.00	0.03
3.24	100.32	0.39	3.20	1.00	0.03	3.25	99.70	0.39	3.22	1.00	0.03
3.26	99.84	0.39	3.22	1.00	0.03	3.27	98.57	0.38	3.26	1.00	0.03
3.28	97.77	0.38	3.29	1.00	0.03	3.29	94.69	0.37	3.40	1.00	0.03
3.30	93.83	0.36	3.43	1.00	0.03	3.31	89.69	0.35	3.59	1.00	0.04
3.32	87.10	0.34	3.69	1.00	0.04	3.33	84.98	0.33	3.78	1.00	0.04
3.34	85.76	0.33	3.75	1.00	0.04	3.35	85.59	0.33	3.75	1.00	0.04
3.36	85.64	0.33	3.75	1.00	0.04	3.37	85.59	0.33	3.75	1.00	0.04
3.38	85.07	0.33	3.78	1.00	0.04	3.39	84.47	0.33	3.80	1.00	0.04
3.40	84.01	0.32	3.82	1.00	0.04	3.41	82.65	0.32	3.88	1.00	0.04
3.42	82.34	0.32	3.90	1.00	0.04	3.43	82.41	0.32	3.90	1.00	0.04
3.44	82.87	0.32	3.87	1.00	0.04	3.45	83.69	0.32	3.84	1.00	0.04
3.46	86.19	0.33	3.73	1.00	0.04	3.47	87.40	0.33	3.68	1.00	0.04
3.48	88.60	0.34	3.63	1.00	0.04	3.49	89.30	0.34	3.60	1.00	0.04
3.50	89.11	0.34	3.61	1.00	0.04	3.51	88.68	0.34	3.63	1.00	0.04
3.52	88.37	0.34	3.64	1.00	0.04	3.53	88.03	0.34	3.65	1.00	0.04
3.54	88.43	0.34	3.64	1.00	0.04	3.55	88.79	0.34	3.62	1.00	0.04
3.56	89.21	0.34	3.60	1.00	0.04	3.57	89.71	0.34	3.58	1.00	0.04
3.58	90.03	0.34	3.57	1.00	0.04	3.59	90.55	0.34	3.55	1.00	0.04
3.60	92.22	0.35	3.49	1.00	0.03	3.61	93.08	0.35	3.45	1.00	0.03
3.62	95.88	0.36	3.35	1.00	0.03	3.63	97.52	0.37	3.30	1.00	0.03
3.64	99.66	0.38	3.22	1.00	0.03	3.65	100.14	0.38	3.21	1.00	0.03
3.66	101.52	0.39	3.16	1.00	0.03	3.67	102.46	0.39	3.13	1.00	0.03
3.68	102.54	0.39	3.13	1.00	0.03	3.69	102.94	0.39	3.12	1.00	0.03
3.70	103.04	0.40	3.12	1.00	0.03	3.71	101.81	0.39	3.15	1.00	0.03
3.72	102.09	0.39	3.15	1.00	0.03	3.73	99.84	0.38	3.22	1.00	0.03
3.74	97.45	0.37	3.30	1.00	0.03	3.75	93.34	0.35	3.45	1.00	0.03
3.76	92.59	0.35	3.47	1.00	0.03	3.77	91.53	0.34	3.51	1.00	0.04
3.78	92.58	0.35	3.47	1.00	0.03	3.79	93.80	0.35	3.43	1.00	0.03
3.80	97.70	0.37	3.29	1.00	0.03	3.81	99.65	0.38	3.22	1.00	0.03
3.82	102.07	0.39	3.15	1.00	0.03	3.83	105.00	0.40	3.06	1.00	0.03
3.84	110.81	0.44	2.89	1.00	0.03	3.85	113.36	0.45	2.82	1.00	0.03
3.86	116.50	0.47	2.74	1.00	0.03	3.87	122.07	0.52	2.61	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	123.99	0.53	2.56	1.00	0.03	3.89	125.28	0.55	2.53	1.00	0.03
3.90	125.21	0.54	2.54	1.00	0.03	3.91	125.13	0.54	2.54	1.00	0.03
3.92	120.06	0.50	2.65	1.00	0.03	3.93	120.11	0.50	2.65	1.00	0.03
3.94	117.80	0.48	2.71	1.00	0.03	3.95	116.32	0.47	2.74	1.00	0.03
3.96	115.18	0.46	2.77	1.00	0.03	3.97	113.45	0.45	2.82	1.00	0.03
3.98	112.67	0.44	2.84	1.00	0.03	3.99	111.17	0.43	2.88	1.00	0.03
4.00	110.50	0.43	2.90	1.00	0.03	4.01	108.52	0.42	2.95	1.00	0.03
4.02	107.45	0.41	2.98	1.00	0.03	4.03	105.60	0.40	3.04	1.00	0.03
4.04	105.47	0.40	3.04	1.00	0.03	4.05	105.39	0.40	3.04	1.00	0.03
4.06	105.78	0.40	3.03	1.00	0.03	4.07	105.87	0.40	3.03	1.00	0.03
4.08	106.54	0.41	3.01	1.00	0.03	4.09	106.11	0.40	3.02	1.00	0.03
4.10	103.77	0.39	3.09	1.00	0.03	4.11	102.81	0.39	3.12	1.00	0.03
4.12	101.36	0.38	3.17	1.00	0.03	4.13	101.11	0.38	3.18	1.00	0.03
4.14	100.74	0.38	3.19	1.00	0.03	4.15	100.53	0.37	3.20	1.00	0.03
4.16	100.05	0.37	3.21	1.00	0.03	4.17	100.30	0.37	3.20	1.00	0.03
4.18	100.24	0.37	3.21	1.00	0.03	4.19	101.92	0.38	3.15	1.00	0.03
4.20	103.01	0.39	3.12	1.00	0.03	4.21	104.21	0.39	3.08	1.00	0.03
4.22	104.37	0.39	3.07	1.00	0.03	4.23	103.60	0.39	3.10	1.00	0.03
4.24	101.35	0.38	3.17	1.00	0.03	4.25	100.73	0.37	3.19	1.00	0.03
4.26	100.77	0.37	3.19	1.00	0.03	4.27	101.71	0.38	3.16	1.00	0.03
4.28	104.66	0.39	3.07	1.00	0.03	4.29	105.53	0.40	3.04	1.00	0.03
4.30	105.70	0.40	3.03	1.00	0.03	4.31	104.57	0.39	3.07	1.00	0.03
4.32	103.21	0.38	3.11	1.00	0.03	4.33	99.84	0.37	3.22	1.00	0.03
4.34	99.27	0.36	3.24	1.00	0.03	4.35	97.42	0.36	3.30	1.00	0.03
4.36	100.37	0.37	3.20	1.00	0.03	4.37	100.32	0.37	3.20	1.00	0.03
4.38	102.69	0.38	3.13	1.00	0.03	4.39	103.80	0.39	3.09	1.00	0.03
4.40	106.58	0.40	3.01	1.00	0.03	4.41	105.68	0.40	3.04	1.00	0.03
4.42	107.34	0.40	2.99	1.00	0.03	4.43	107.44	0.40	2.98	1.00	0.03
4.44	106.86	0.40	3.00	1.00	0.03	4.45	106.03	0.40	3.03	1.00	0.03
4.46	105.64	0.39	3.04	1.00	0.03	4.47	103.46	0.38	3.10	1.00	0.03
4.48	101.84	0.37	3.15	1.00	0.03	4.49	98.58	0.36	3.26	1.00	0.03
4.50	96.29	0.35	3.34	1.00	0.03	4.51	92.59	0.33	3.47	1.00	0.03
4.52	89.51	0.32	3.59	1.00	0.04	4.53	87.99	0.32	3.65	1.00	0.04
4.54	86.63	0.31	3.71	1.00	0.04	4.55	85.95	0.31	3.74	1.00	0.04
4.56	85.05	0.31	3.78	1.00	0.04	4.57	84.18	0.30	3.82	1.00	0.04
4.58	83.77	0.30	3.83	1.00	0.04	4.59	83.60	0.30	3.84	1.00	0.04
4.60	83.48	0.30	3.85	1.00	0.04	4.61	83.25	0.30	3.86	1.00	0.04
4.62	83.65	0.30	3.84	1.00	0.04	4.63	84.42	0.30	3.81	1.00	0.04
4.64	85.70	0.31	3.75	1.00	0.04	4.65	87.06	0.31	3.69	1.00	0.04
4.66	88.82	0.32	3.62	1.00	0.04	4.67	90.55	0.33	3.55	1.00	0.04
4.68	91.73	0.33	3.51	1.00	0.04	4.69	93.56	0.34	3.44	1.00	0.03
4.70	93.78	0.34	3.43	1.00	0.03	4.71	94.51	0.34	3.40	1.00	0.03
4.72	94.18	0.34	3.41	1.00	0.03	4.73	93.92	0.34	3.42	1.00	0.03
4.74	92.89	0.33	3.46	1.00	0.03	4.75	90.96	0.33	3.54	1.00	0.04
4.76	89.67	0.32	3.59	1.00	0.04	4.77	88.37	0.32	3.64	1.00	0.04
4.78	88.85	0.32	3.62	1.00	0.04	4.79	91.60	0.33	3.51	1.00	0.04
4.80	92.37	0.33	3.48	1.00	0.03	4.81	95.63	0.34	3.36	1.00	0.03
4.82	97.98	0.35	3.28	1.00	0.03	4.83	96.40	0.35	3.34	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	97.38	0.35	3.30	1.00	0.03	4.85	97.00	0.35	3.31	1.00	0.03
4.86	97.16	0.35	3.31	1.00	0.03	4.87	95.07	0.34	3.38	1.00	0.03
4.88	95.07	0.34	3.38	1.00	0.03	4.89	94.52	0.34	3.40	1.00	0.03
4.90	94.72	0.34	3.39	1.00	0.03	4.91	93.09	0.33	3.45	1.00	0.03
4.92	89.88	0.32	3.58	1.00	0.04	4.93	87.44	0.31	3.68	1.00	0.04
4.94	87.54	0.31	3.67	1.00	0.04	4.95	87.02	0.31	3.69	1.00	0.04
4.96	89.57	0.32	3.59	1.00	0.04	4.97	89.25	0.32	3.60	1.00	0.04
4.98	88.39	0.31	3.64	1.00	0.04	4.99	86.67	0.31	3.71	1.00	0.04
5.00	84.83	0.30	3.79	1.00	0.04	5.01	81.48	0.29	3.94	1.00	0.04
5.02	76.41	0.28	4.19	1.00	0.04	5.03	74.06	0.27	4.31	1.00	0.04
5.04	74.77	0.27	4.28	1.00	0.04	5.05	76.52	0.28	4.18	1.00	0.04
5.06	79.61	0.29	4.03	1.00	0.04	5.07	82.02	0.29	3.91	1.00	0.04
5.08	83.23	0.30	3.86	1.00	0.04	5.09	84.79	0.30	3.79	1.00	0.04
5.10	84.66	0.30	3.79	1.00	0.04	5.11	88.34	0.31	3.64	1.00	0.04
5.12	93.96	0.33	3.42	1.00	0.03	5.13	96.58	0.34	3.33	1.00	0.03
5.14	96.52	0.34	3.33	1.00	0.03	5.15	96.43	0.34	3.33	1.00	0.03
5.16	93.63	0.33	3.43	1.00	0.03	5.17	94.11	0.33	3.42	1.00	0.03
5.18	93.76	0.33	3.43	1.00	0.03	5.19	93.11	0.33	3.45	1.00	0.03
5.20	90.88	0.32	3.54	1.00	0.04	5.21	90.74	0.32	3.54	1.00	0.04
5.22	90.60	0.32	3.55	1.00	0.04	5.23	91.09	0.32	3.53	1.00	0.04
5.24	91.72	0.32	3.51	1.00	0.04	5.25	92.20	0.32	3.49	1.00	0.03
5.26	91.91	0.32	3.50	1.00	0.03	5.27	92.72	0.33	3.47	1.00	0.03
5.28	92.28	0.32	3.48	1.00	0.03	5.29	93.93	0.33	3.42	1.00	0.03
5.30	92.85	0.33	3.46	1.00	0.03	5.31	93.85	0.33	3.43	1.00	0.03
5.32	93.64	0.33	3.43	1.00	0.03	5.33	92.64	0.33	3.47	1.00	0.03
5.34	89.97	0.32	3.57	1.00	0.04	5.35	88.90	0.31	3.62	1.00	0.04
5.36	87.74	0.31	3.66	1.00	0.04	5.37	86.09	0.30	3.73	1.00	0.04
5.38	84.25	0.30	3.81	1.00	0.04	5.39	83.74	0.30	3.84	1.00	0.04
5.40	83.66	0.29	3.84	1.00	0.04	5.41	84.36	0.30	3.81	1.00	0.04
5.42	82.60	0.29	3.89	1.00	0.04	5.43	82.53	0.29	3.89	1.00	0.04
5.44	81.87	0.29	3.92	1.00	0.04	5.45	81.62	0.29	3.93	1.00	0.04
5.46	79.30	0.28	4.04	1.00	0.04	5.47	78.84	0.28	4.07	1.00	0.04
5.48	78.26	0.28	4.09	1.00	0.04	5.49	75.15	0.27	4.26	1.00	0.04
5.50	17.17	2.00	0.00	1.00	0.00	5.51	15.26	2.00	0.00	1.00	0.00
5.52	13.47	2.00	0.00	1.00	0.00	5.53	12.06	2.00	0.00	1.00	0.00
5.54	10.91	2.00	0.00	1.00	0.00	5.55	15.86	2.00	0.00	1.00	0.00
5.56	81.37	0.29	3.94	1.00	0.04	5.57	85.87	0.30	3.74	1.00	0.04
5.58	94.50	0.33	3.40	1.00	0.03	5.59	81.92	0.29	3.92	1.00	0.04
5.60	84.13	0.29	3.82	1.00	0.04	5.61	87.10	0.30	3.69	1.00	0.04
5.62	87.05	0.30	3.69	1.00	0.04	5.63	86.89	0.30	3.70	1.00	0.04
5.64	85.81	0.30	3.75	1.00	0.04	5.65	84.65	0.30	3.80	1.00	0.04
5.66	83.70	0.29	3.84	1.00	0.04	5.67	82.52	0.29	3.89	1.00	0.04
5.68	84.14	0.29	3.82	1.00	0.04	5.69	87.33	0.30	3.68	1.00	0.04
5.70	89.84	0.31	3.58	1.00	0.04	5.71	93.70	0.33	3.43	1.00	0.03
5.72	95.95	0.33	3.35	1.00	0.03	5.73	97.98	0.34	3.28	1.00	0.03
5.74	99.60	0.35	3.23	1.00	0.03	5.75	100.94	0.35	3.18	1.00	0.03
5.76	102.36	0.36	3.14	1.00	0.03	5.77	101.66	0.36	3.16	1.00	0.03
5.78	102.07	0.36	3.15	1.00	0.03	5.79	101.57	0.36	3.16	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	101.47	0.36	3.17	1.00	0.03	5.81	99.42	0.35	3.23	1.00	0.03
5.82	99.22	0.35	3.24	1.00	0.03	5.83	99.31	0.35	3.24	1.00	0.03
5.84	96.51	0.34	3.33	1.00	0.03	5.85	96.41	0.34	3.33	1.00	0.03
5.86	95.56	0.33	3.36	1.00	0.03	5.87	94.97	0.33	3.39	1.00	0.03
5.88	91.79	0.32	3.50	1.00	0.04	5.89	90.67	0.31	3.55	1.00	0.04
5.90	91.02	0.31	3.53	1.00	0.04	5.91	91.50	0.32	3.51	1.00	0.04
5.92	82.90	0.29	3.87	1.00	0.04	5.93	83.03	0.29	3.87	1.00	0.04
5.94	83.02	0.29	3.87	1.00	0.04	5.95	80.94	0.28	3.96	1.00	0.04
5.96	80.28	0.28	4.00	1.00	0.04	5.97	79.26	0.28	4.04	1.00	0.04
5.98	78.64	0.28	4.08	1.00	0.04	5.99	77.41	0.27	4.14	1.00	0.04
6.00	19.90	2.00	0.00	1.00	0.00	6.01	20.50	2.00	0.00	1.00	0.00
6.02	79.00	0.28	4.06	1.00	0.04	6.03	79.32	0.28	4.04	1.00	0.04
6.04	20.70	2.00	0.00	1.00	0.00	6.05	18.49	2.00	0.00	1.00	0.00
6.06	14.58	2.00	0.00	1.00	0.00	6.07	12.60	2.00	0.00	1.00	0.00
6.08	11.12	2.00	0.00	1.00	0.00	6.09	10.13	2.00	0.00	1.00	0.00
6.10	8.77	2.00	0.00	1.00	0.00	6.11	7.77	2.00	0.00	1.00	0.00
6.12	6.65	2.00	0.00	1.00	0.00	6.13	5.90	2.00	0.00	1.00	0.00
6.14	6.15	2.00	0.00	1.00	0.00	6.15	6.52	2.00	0.00	1.00	0.00
6.16	7.50	2.00	0.00	1.00	0.00	6.17	9.59	2.00	0.00	1.00	0.00
6.18	20.77	2.00	0.00	1.00	0.00	6.19	85.06	0.29	3.78	1.00	0.04
6.20	89.83	0.31	3.58	1.00	0.04	6.21	89.99	0.31	3.57	1.00	0.04
6.22	92.74	0.32	3.47	1.00	0.03	6.23	90.05	0.31	3.57	1.00	0.04
6.24	89.03	0.31	3.61	1.00	0.04	6.25	86.65	0.30	3.71	1.00	0.04
6.26	83.85	0.29	3.83	1.00	0.04	6.27	83.34	0.29	3.85	1.00	0.04
6.28	80.05	0.28	4.01	1.00	0.04	6.29	80.58	0.28	3.98	1.00	0.04
6.30	81.05	0.28	3.96	1.00	0.04	6.31	82.55	0.29	3.89	1.00	0.04
6.32	82.32	0.29	3.90	1.00	0.04	6.33	83.21	0.29	3.86	1.00	0.04
6.34	84.14	0.29	3.82	1.00	0.04	6.35	84.77	0.29	3.79	1.00	0.04
6.36	85.83	0.30	3.74	1.00	0.04	6.37	86.34	0.30	3.72	1.00	0.04
6.38	87.09	0.30	3.69	1.00	0.04	6.39	86.64	0.30	3.71	1.00	0.04
6.40	87.11	0.30	3.69	1.00	0.04	6.41	86.76	0.30	3.70	1.00	0.04
6.42	86.24	0.30	3.73	1.00	0.04	6.43	84.44	0.29	3.80	1.00	0.04
6.44	84.25	0.29	3.81	1.00	0.04	6.45	83.60	0.29	3.84	1.00	0.04
6.46	83.20	0.29	3.86	1.00	0.04	6.47	82.78	0.29	3.88	1.00	0.04
6.48	82.52	0.29	3.89	1.00	0.04	6.49	82.46	0.28	3.89	1.00	0.04
6.50	81.52	0.28	3.94	1.00	0.04	6.51	81.25	0.28	3.95	1.00	0.04
6.52	80.98	0.28	3.96	1.00	0.04	6.53	80.99	0.28	3.96	1.00	0.04
6.54	79.95	0.28	4.01	1.00	0.04	6.55	79.34	0.28	4.04	1.00	0.04
6.56	78.22	0.27	4.10	1.00	0.04	6.57	19.73	2.00	0.00	1.00	0.00
6.58	17.12	2.00	0.00	1.00	0.00	6.59	15.68	2.00	0.00	1.00	0.00
6.60	14.00	2.00	0.00	1.00	0.00	6.61	12.68	2.00	0.00	1.00	0.00
6.62	10.41	2.00	0.00	1.00	0.00	6.63	9.81	2.00	0.00	1.00	0.00
6.64	10.40	2.00	0.00	1.00	0.00	6.65	12.06	2.00	0.00	1.00	0.00
6.66	15.25	2.00	0.00	1.00	0.00	6.67	25.19	2.00	0.00	1.00	0.00
6.68	87.92	0.30	3.66	1.00	0.04	6.69	91.20	0.31	3.53	1.00	0.04
6.70	99.21	0.34	3.24	1.00	0.03	6.71	99.28	0.34	3.24	1.00	0.03
6.72	100.14	0.35	3.21	1.00	0.03	6.73	99.14	0.34	3.24	1.00	0.03
6.74	98.84	0.34	3.25	1.00	0.03	6.75	95.82	0.33	3.36	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	91.83	0.31	3.50	1.00	0.04	6.77	88.15	0.30	3.65	1.00	0.04
6.78	80.42	0.28	3.99	1.00	0.04	6.79	74.38	0.26	4.30	1.00	0.04
6.80	70.54	0.25	4.52	1.00	0.05	6.81	72.36	0.26	4.41	1.00	0.04
6.82	74.35	0.26	4.30	1.00	0.04	6.83	76.94	0.27	4.16	1.00	0.04
6.84	78.65	0.27	4.08	1.00	0.04	6.85	78.59	0.27	4.08	1.00	0.04
6.86	82.90	0.28	3.87	1.00	0.04	6.87	84.26	0.29	3.81	1.00	0.04
6.88	88.20	0.30	3.64	1.00	0.04	6.89	86.32	0.29	3.72	1.00	0.04
6.90	87.96	0.30	3.65	1.00	0.04	6.91	92.29	0.31	3.48	1.00	0.03
6.92	81.06	0.28	3.96	1.00	0.04	6.93	84.04	0.29	3.82	1.00	0.04
6.94	84.57	0.29	3.80	1.00	0.04	6.95	81.07	0.28	3.96	1.00	0.04
6.96	81.22	0.28	3.95	1.00	0.04	6.97	81.14	0.28	3.95	1.00	0.04
6.98	79.59	0.28	4.03	1.00	0.04	6.99	20.87	2.00	0.00	1.00	0.00
7.00	18.55	2.00	0.00	1.00	0.00	7.01	15.53	2.00	0.00	1.00	0.00
7.02	14.93	2.00	0.00	1.00	0.00	7.03	13.07	2.00	0.00	1.00	0.00
7.04	11.78	2.00	0.00	1.00	0.00	7.05	10.50	2.00	0.00	1.00	0.00
7.06	10.96	2.00	0.00	1.00	0.00	7.07	13.61	2.00	0.00	1.00	0.00
7.08	17.53	2.00	0.00	1.00	0.00	7.09	80.82	0.28	3.97	1.00	0.04
7.10	93.80	0.32	3.43	1.00	0.03	7.11	93.83	0.32	3.43	1.00	0.03
7.12	93.88	0.32	3.43	1.00	0.03	7.13	93.61	0.32	3.44	1.00	0.03
7.14	90.74	0.31	3.54	1.00	0.04	7.15	89.69	0.30	3.59	1.00	0.04
7.16	88.45	0.30	3.63	1.00	0.04	7.17	87.15	0.30	3.69	1.00	0.04
7.18	86.12	0.29	3.73	1.00	0.04	7.19	83.59	0.29	3.84	1.00	0.04
7.20	82.54	0.28	3.89	1.00	0.04	7.21	80.90	0.28	3.97	1.00	0.04
7.22	80.17	0.28	4.00	1.00	0.04	7.23	79.51	0.27	4.03	1.00	0.04
7.24	80.03	0.28	4.01	1.00	0.04	7.25	81.18	0.28	3.95	1.00	0.04
7.26	81.97	0.28	3.92	1.00	0.04	7.27	82.64	0.28	3.88	1.00	0.04
7.28	83.47	0.29	3.85	1.00	0.04	7.29	83.82	0.29	3.83	1.00	0.04
7.30	82.59	0.28	3.89	1.00	0.04	7.31	81.97	0.28	3.92	1.00	0.04
7.32	81.21	0.28	3.95	1.00	0.04	7.33	80.25	0.28	4.00	1.00	0.04
7.34	79.44	0.27	4.04	1.00	0.04	7.35	77.41	0.27	4.14	1.00	0.04
7.36	76.57	0.27	4.18	1.00	0.04	7.37	75.64	0.26	4.23	1.00	0.04
7.38	74.55	0.26	4.29	1.00	0.04	7.39	73.77	0.26	4.33	1.00	0.04
7.40	17.72	2.00	0.00	1.00	0.00	7.41	16.91	2.00	0.00	1.00	0.00
7.42	15.88	2.00	0.00	1.00	0.00	7.43	14.95	2.00	0.00	1.00	0.00
7.44	13.92	2.00	0.00	1.00	0.00	7.45	12.55	2.00	0.00	1.00	0.00
7.46	11.86	2.00	0.00	1.00	0.00	7.47	10.60	2.00	0.00	1.00	0.00
7.48	9.79	2.00	0.00	1.00	0.00	7.49	8.88	2.00	0.00	1.00	0.00
7.50	8.30	2.00	0.00	1.00	0.00	7.51	12.39	2.00	0.00	1.00	0.00
7.52	17.60	2.00	0.00	1.00	0.00	7.53	80.11	0.28	4.00	1.00	0.04
7.54	91.28	0.31	3.52	1.00	0.04	7.55	91.07	0.31	3.53	1.00	0.04
7.56	89.01	0.30	3.61	1.00	0.04	7.57	86.37	0.29	3.72	1.00	0.04
7.58	85.47	0.29	3.76	1.00	0.04	7.59	83.70	0.29	3.84	1.00	0.04
7.60	83.43	0.28	3.85	1.00	0.04	7.61	82.94	0.28	3.87	1.00	0.04
7.62	82.06	0.28	3.91	1.00	0.04	7.63	23.30	2.00	0.00	1.00	0.00
7.64	22.62	2.00	0.00	1.00	0.00	7.65	22.49	2.00	0.00	1.00	0.00
7.66	22.37	2.00	0.00	1.00	0.00	7.67	22.35	2.00	0.00	1.00	0.00
7.68	22.33	2.00	0.00	1.00	0.00	7.69	22.43	2.00	0.00	1.00	0.00
7.70	22.52	2.00	0.00	1.00	0.00	7.71	22.17	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	22.05	2.00	0.00	1.00	0.00	7.73	22.03	2.00	0.00	1.00	0.00
7.74	22.24	2.00	0.00	1.00	0.00	7.75	22.67	2.00	0.00	1.00	0.00
7.76	22.55	2.00	0.00	1.00	0.00	7.77	22.42	2.00	0.00	1.00	0.00
7.78	22.30	2.00	0.00	1.00	0.00	7.79	21.95	2.00	0.00	1.00	0.00
7.80	21.50	2.00	0.00	1.00	0.00	7.81	21.16	2.00	0.00	1.00	0.00
7.82	20.92	2.00	0.00	1.00	0.00	7.83	20.80	2.00	0.00	1.00	0.00
7.84	20.79	2.00	0.00	1.00	0.00	7.85	20.77	2.00	0.00	1.00	0.00
7.86	20.76	2.00	0.00	1.00	0.00	7.87	20.64	2.00	0.00	1.00	0.00
7.88	20.52	2.00	0.00	1.00	0.00	7.89	20.62	2.00	0.00	1.00	0.00
7.90	20.60	2.00	0.00	1.00	0.00	7.91	20.59	2.00	0.00	1.00	0.00
7.92	20.80	2.00	0.00	1.00	0.00	7.93	21.01	2.00	0.00	1.00	0.00
7.94	20.77	2.00	0.00	1.00	0.00	7.95	20.43	2.00	0.00	1.00	0.00
7.96	20.20	2.00	0.00	1.00	0.00	7.97	19.86	2.00	0.00	1.00	0.00
7.98	19.74	2.00	0.00	1.00	0.00	7.99	19.51	2.00	0.00	1.00	0.00
8.00	19.17	2.00	0.00	1.00	0.00	8.01	18.40	2.00	0.00	1.00	0.00
8.02	18.06	2.00	0.00	1.00	0.00	8.03	17.83	2.00	0.00	1.00	0.00
8.04	17.60	2.00	0.00	1.00	0.00	8.05	17.59	2.00	0.00	1.00	0.00
8.06	17.58	2.00	0.00	1.00	0.00	8.07	17.35	2.00	0.00	1.00	0.00
8.08	17.45	2.00	0.00	1.00	0.00	8.09	17.44	2.00	0.00	1.00	0.00
8.10	17.54	2.00	0.00	1.00	0.00	8.11	18.07	2.00	0.00	1.00	0.00
8.12	18.39	2.00	0.00	1.00	0.00	8.13	18.49	2.00	0.00	1.00	0.00
8.14	18.81	2.00	0.00	1.00	0.00	8.15	19.12	2.00	0.00	1.00	0.00
8.16	19.33	2.00	0.00	1.00	0.00	8.17	19.75	2.00	0.00	1.00	0.00
8.18	19.85	2.00	0.00	1.00	0.00	8.19	19.62	2.00	0.00	1.00	0.00
8.20	19.61	2.00	0.00	1.00	0.00	8.21	19.39	2.00	0.00	1.00	0.00
8.22	19.16	2.00	0.00	1.00	0.00	8.23	18.93	2.00	0.00	1.00	0.00
8.24	18.81	2.00	0.00	1.00	0.00	8.25	18.91	2.00	0.00	1.00	0.00
8.26	18.79	2.00	0.00	1.00	0.00	8.27	18.56	2.00	0.00	1.00	0.00
8.28	18.66	2.00	0.00	1.00	0.00	8.29	18.76	2.00	0.00	1.00	0.00
8.30	18.96	2.00	0.00	1.00	0.00	8.31	19.49	2.00	0.00	1.00	0.00
8.32	19.81	2.00	0.00	1.00	0.00	8.33	19.90	2.00	0.00	1.00	0.00
8.34	20.65	2.00	0.00	1.00	0.00	8.35	20.74	2.00	0.00	1.00	0.00
8.36	20.52	2.00	0.00	1.00	0.00	8.37	20.72	2.00	0.00	1.00	0.00
8.38	20.60	2.00	0.00	1.00	0.00	8.39	20.48	2.00	0.00	1.00	0.00
8.40	20.47	2.00	0.00	1.00	0.00	8.41	20.57	2.00	0.00	1.00	0.00
8.42	20.98	2.00	0.00	1.00	0.00	8.43	21.18	2.00	0.00	1.00	0.00
8.44	20.85	2.00	0.00	1.00	0.00	8.45	19.88	2.00	0.00	1.00	0.00
8.46	19.01	2.00	0.00	1.00	0.00	8.47	18.79	2.00	0.00	1.00	0.00
8.48	18.78	2.00	0.00	1.00	0.00	8.49	18.87	2.00	0.00	1.00	0.00
8.50	18.75	2.00	0.00	1.00	0.00	8.51	18.53	2.00	0.00	1.00	0.00
8.52	18.20	2.00	0.00	1.00	0.00	8.53	18.19	2.00	0.00	1.00	0.00
8.54	18.07	2.00	0.00	1.00	0.00	8.55	17.85	2.00	0.00	1.00	0.00
8.56	17.20	2.00	0.00	1.00	0.00	8.57	16.77	2.00	0.00	1.00	0.00
8.58	16.44	2.00	0.00	1.00	0.00	8.59	16.32	2.00	0.00	1.00	0.00
8.60	16.10	2.00	0.00	1.00	0.00	8.61	15.98	2.00	0.00	1.00	0.00
8.62	15.87	2.00	0.00	1.00	0.00	8.63	15.65	2.00	0.00	1.00	0.00
8.64	15.85	2.00	0.00	1.00	0.00	8.65	16.06	2.00	0.00	1.00	0.00
8.66	16.47	2.00	0.00	1.00	0.00	8.67	16.57	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
8.68	16.56	2.00	0.00	1.00	0.00	8.69	17.72	2.00	0.00	1.00	0.00
8.70	17.39	2.00	0.00	1.00	0.00	8.71	17.70	2.00	0.00	1.00	0.00
8.72	18.11	2.00	0.00	1.00	0.00	8.73	18.63	2.00	0.00	1.00	0.00
8.74	19.47	2.00	0.00	1.00	0.00	8.75	19.78	2.00	0.00	1.00	0.00
8.76	19.98	2.00	0.00	1.00	0.00	8.77	20.81	2.00	0.00	1.00	0.00
8.78	22.06	2.00	0.00	1.00	0.00	8.79	22.36	2.00	0.00	1.00	0.00
8.80	21.40	2.00	0.00	1.00	0.00	8.81	20.45	2.00	0.00	1.00	0.00
8.82	20.43	2.00	0.00	1.00	0.00	8.83	19.79	2.00	0.00	1.00	0.00
8.84	19.68	2.00	0.00	1.00	0.00	8.85	19.67	2.00	0.00	1.00	0.00
8.86	19.24	2.00	0.00	1.00	0.00	8.87	19.33	2.00	0.00	1.00	0.00
8.88	19.00	2.00	0.00	1.00	0.00	8.89	17.95	2.00	0.00	1.00	0.00
8.90	17.94	2.00	0.00	1.00	0.00	8.91	17.93	2.00	0.00	1.00	0.00
8.92	16.77	2.00	0.00	1.00	0.00	8.93	17.07	2.00	0.00	1.00	0.00
8.94	17.17	2.00	0.00	1.00	0.00	8.95	17.16	2.00	0.00	1.00	0.00
8.96	17.25	2.00	0.00	1.00	0.00	8.97	17.45	2.00	0.00	1.00	0.00
8.98	17.65	2.00	0.00	1.00	0.00	8.99	17.22	2.00	0.00	1.00	0.00
9.00	17.11	2.00	0.00	1.00	0.00	9.01	17.41	2.00	0.00	1.00	0.00
9.02	18.03	2.00	0.00	1.00	0.00	9.03	18.33	2.00	0.00	1.00	0.00
9.04	18.53	2.00	0.00	1.00	0.00	9.05	18.62	2.00	0.00	1.00	0.00
9.06	18.61	2.00	0.00	1.00	0.00	9.07	18.71	2.00	0.00	1.00	0.00
9.08	18.59	2.00	0.00	1.00	0.00	9.09	18.48	2.00	0.00	1.00	0.00
9.10	18.37	2.00	0.00	1.00	0.00	9.11	18.56	2.00	0.00	1.00	0.00
9.12	18.55	2.00	0.00	1.00	0.00	9.13	18.34	2.00	0.00	1.00	0.00
9.14	18.23	2.00	0.00	1.00	0.00	9.15	18.32	2.00	0.00	1.00	0.00
9.16	18.41	2.00	0.00	1.00	0.00	9.17	18.30	2.00	0.00	1.00	0.00
9.18	18.19	2.00	0.00	1.00	0.00	9.19	17.97	2.00	0.00	1.00	0.00
9.20	18.07	2.00	0.00	1.00	0.00	9.21	17.95	2.00	0.00	1.00	0.00
9.22	17.94	2.00	0.00	1.00	0.00	9.23	17.93	2.00	0.00	1.00	0.00
9.24	17.92	2.00	0.00	1.00	0.00	9.25	17.71	2.00	0.00	1.00	0.00
9.26	17.60	2.00	0.00	1.00	0.00	9.27	17.59	2.00	0.00	1.00	0.00
9.28	17.27	2.00	0.00	1.00	0.00	9.29	17.16	2.00	0.00	1.00	0.00
9.30	16.94	2.00	0.00	1.00	0.00	9.31	16.42	2.00	0.00	1.00	0.00
9.32	16.10	2.00	0.00	1.00	0.00	9.33	15.89	2.00	0.00	1.00	0.00
9.34	15.88	2.00	0.00	1.00	0.00	9.35	15.98	2.00	0.00	1.00	0.00
9.36	16.17	2.00	0.00	1.00	0.00	9.37	16.68	2.00	0.00	1.00	0.00
9.38	17.49	2.00	0.00	1.00	0.00	9.39	18.09	2.00	0.00	1.00	0.00
9.40	18.39	2.00	0.00	1.00	0.00	9.41	18.79	2.00	0.00	1.00	0.00
9.42	19.19	2.00	0.00	1.00	0.00	9.43	19.90	2.00	0.00	1.00	0.00
9.44	20.19	2.00	0.00	1.00	0.00	9.45	20.59	2.00	0.00	1.00	0.00
9.46	20.68	2.00	0.00	1.00	0.00	9.47	20.47	2.00	0.00	1.00	0.00
9.48	20.36	2.00	0.00	1.00	0.00	9.49	19.84	2.00	0.00	1.00	0.00
9.50	19.72	2.00	0.00	1.00	0.00	9.51	19.51	2.00	0.00	1.00	0.00
9.52	19.30	2.00	0.00	1.00	0.00	9.53	19.29	2.00	0.00	1.00	0.00
9.54	19.28	2.00	0.00	1.00	0.00	9.55	19.27	2.00	0.00	1.00	0.00
9.56	19.16	2.00	0.00	1.00	0.00	9.57	19.25	2.00	0.00	1.00	0.00
9.58	19.24	2.00	0.00	1.00	0.00	9.59	19.43	2.00	0.00	1.00	0.00
9.60	19.52	2.00	0.00	1.00	0.00	9.61	19.51	2.00	0.00	1.00	0.00
9.62	19.71	2.00	0.00	1.00	0.00	9.63	20.00	2.00	0.00	1.00	0.00



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	20.19	2.00	0.00	1.00	0.00	9.65	20.18	2.00	0.00	1.00	0.00
9.66	20.58	2.00	0.00	1.00	0.00	9.67	20.87	2.00	0.00	1.00	0.00
9.68	21.16	2.00	0.00	1.00	0.00	9.69	21.05	2.00	0.00	1.00	0.00
9.70	20.94	2.00	0.00	1.00	0.00	9.71	20.93	2.00	0.00	1.00	0.00
9.72	20.82	2.00	0.00	1.00	0.00	9.73	20.31	2.00	0.00	1.00	0.00
9.74	19.89	2.00	0.00	1.00	0.00	9.75	19.38	2.00	0.00	1.00	0.00
9.76	18.46	2.00	0.00	1.00	0.00	9.77	17.95	2.00	0.00	1.00	0.00
9.78	17.44	2.00	0.00	1.00	0.00	9.79	17.43	2.00	0.00	1.00	0.00
9.80	17.42	2.00	0.00	1.00	0.00	9.81	17.62	2.00	0.00	1.00	0.00
9.82	17.61	2.00	0.00	1.00	0.00	9.83	17.70	2.00	0.00	1.00	0.00
9.84	17.69	2.00	0.00	1.00	0.00	9.85	18.08	2.00	0.00	1.00	0.00
9.86	18.28	2.00	0.00	1.00	0.00	9.87	18.97	2.00	0.00	1.00	0.00
9.88	19.26	2.00	0.00	1.00	0.00	9.89	19.35	2.00	0.00	1.00	0.00
9.90	19.34	2.00	0.00	1.00	0.00	9.91	19.33	2.00	0.00	1.00	0.00
9.92	20.12	2.00	0.00	1.00	0.00	9.93	20.01	2.00	0.00	1.00	0.00
9.94	20.00	2.00	0.00	1.00	0.00	9.95	20.10	2.00	0.00	1.00	0.00
9.96	19.99	2.00	0.00	1.00	0.00	9.97	19.88	2.00	0.00	1.00	0.00
9.98	19.87	2.00	0.00	1.00	0.00	9.99	19.66	2.00	0.00	1.00	0.00
10.00	19.65	2.00	0.00	1.00	0.00	10.01	19.44	2.00	0.00	1.00	0.00
10.02	19.33	2.00	0.00	1.00	0.00	10.03	19.32	2.00	0.00	1.00	0.00
10.04	19.11	2.00	0.00	1.00	0.00	10.05	18.91	2.00	0.00	1.00	0.00
10.06	18.90	2.00	0.00	1.00	0.00	10.07	19.09	2.00	0.00	1.00	0.00
10.08	19.18	2.00	0.00	1.00	0.00	10.09	19.96	2.00	0.00	1.00	0.00
10.10	18.96	2.00	0.00	1.00	0.00	10.11	18.85	2.00	0.00	1.00	0.00
10.12	18.65	2.00	0.00	1.00	0.00	10.13	18.44	2.00	0.00	1.00	0.00
10.14	18.23	2.00	0.00	1.00	0.00	10.15	18.02	2.00	0.00	1.00	0.00
10.16	17.82	2.00	0.00	1.00	0.00	10.17	17.71	2.00	0.00	1.00	0.00
10.18	17.50	2.00	0.00	1.00	0.00	10.19	17.30	2.00	0.00	1.00	0.00
10.20	16.99	2.00	0.00	1.00	0.00	10.21	16.89	2.00	0.00	1.00	0.00
10.22	16.78	2.00	0.00	1.00	0.00	10.23	16.97	2.00	0.00	1.00	0.00
10.24	17.06	2.00	0.00	1.00	0.00	10.25	16.66	2.00	0.00	1.00	0.00
10.26	16.35	2.00	0.00	1.00	0.00	10.27	16.25	2.00	0.00	1.00	0.00
10.28	16.04	2.00	0.00	1.00	0.00	10.29	15.84	2.00	0.00	1.00	0.00
10.30	15.63	2.00	0.00	1.00	0.00	10.31	15.33	2.00	0.00	1.00	0.00
10.32	14.83	2.00	0.00	1.00	0.00	10.33	14.73	2.00	0.00	1.00	0.00
10.34	14.72	2.00	0.00	1.00	0.00	10.35	14.71	2.00	0.00	1.00	0.00
10.36	14.61	2.00	0.00	1.00	0.00	10.37	14.60	2.00	0.00	1.00	0.00
10.38	14.50	2.00	0.00	1.00	0.00	10.39	13.90	2.00	0.00	1.00	0.00
10.40	13.60	2.00	0.00	1.00	0.00	10.41	12.91	2.00	0.00	1.00	0.00
10.42	12.71	2.00	0.00	1.00	0.00	10.43	12.31	2.00	0.00	1.00	0.00
10.44	12.31	2.00	0.00	1.00	0.00	10.45	12.21	2.00	0.00	1.00	0.00
10.46	12.20	2.00	0.00	1.00	0.00	10.47	12.19	2.00	0.00	1.00	0.00
10.48	11.99	2.00	0.00	1.00	0.00	10.49	12.77	2.00	0.00	1.00	0.00
10.50	16.86	2.00	0.00	1.00	0.00	10.51	17.24	2.00	0.00	1.00	0.00
10.52	17.53	2.00	0.00	1.00	0.00	10.53	17.23	2.00	0.00	1.00	0.00
10.54	14.49	2.00	0.00	1.00	0.00	10.55	14.29	2.00	0.00	1.00	0.00
10.56	13.12	2.00	0.00	1.00	0.00	10.57	13.11	2.00	0.00	1.00	0.00
10.58	13.40	2.00	0.00	1.00	0.00	10.59	14.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	14.36	2.00	0.00	1.00	0.00	10.61	15.13	2.00	0.00	1.00	0.00
10.62	15.51	2.00	0.00	1.00	0.00	10.63	16.57	2.00	0.00	1.00	0.00
10.64	17.34	2.00	0.00	1.00	0.00	10.65	16.85	2.00	0.00	1.00	0.00
10.66	16.65	2.00	0.00	1.00	0.00	10.67	15.96	2.00	0.00	1.00	0.00
10.68	16.05	2.00	0.00	1.00	0.00	10.69	15.56	2.00	0.00	1.00	0.00
10.70	15.07	2.00	0.00	1.00	0.00	10.71	14.58	2.00	0.00	1.00	0.00
10.72	14.76	2.00	0.00	1.00	0.00	10.73	14.37	2.00	0.00	1.00	0.00
10.74	13.98	2.00	0.00	1.00	0.00	10.75	14.07	2.00	0.00	1.00	0.00
10.76	14.16	2.00	0.00	1.00	0.00	10.77	15.70	2.00	0.00	1.00	0.00
10.78	16.46	2.00	0.00	1.00	0.00	10.79	16.65	2.00	0.00	1.00	0.00
10.80	16.35	2.00	0.00	1.00	0.00	10.81	16.15	2.00	0.00	1.00	0.00
10.82	16.05	2.00	0.00	1.00	0.00	10.83	17.00	2.00	0.00	1.00	0.00
10.84	17.09	2.00	0.00	1.00	0.00	10.85	16.80	2.00	0.00	1.00	0.00
10.86	16.12	2.00	0.00	1.00	0.00	10.87	15.34	2.00	0.00	1.00	0.00
10.88	15.43	2.00	0.00	1.00	0.00	10.89	15.52	2.00	0.00	1.00	0.00
10.90	15.51	2.00	0.00	1.00	0.00	10.91	15.51	2.00	0.00	1.00	0.00
10.92	14.92	2.00	0.00	1.00	0.00	10.93	14.25	2.00	0.00	1.00	0.00
10.94	14.14	2.00	0.00	1.00	0.00	10.95	14.23	2.00	0.00	1.00	0.00
10.96	14.32	2.00	0.00	1.00	0.00	10.97	14.41	2.00	0.00	1.00	0.00
10.98	14.41	2.00	0.00	1.00	0.00	10.99	14.30	2.00	0.00	1.00	0.00
11.00	13.92	2.00	0.00	1.00	0.00	11.01	14.48	2.00	0.00	1.00	0.00
11.02	14.95	2.00	0.00	1.00	0.00	11.03	15.23	2.00	0.00	1.00	0.00
11.04	15.51	2.00	0.00	1.00	0.00	11.05	15.41	2.00	0.00	1.00	0.00
11.06	15.50	2.00	0.00	1.00	0.00	11.07	15.49	2.00	0.00	1.00	0.00
11.08	15.77	2.00	0.00	1.00	0.00	11.09	16.15	2.00	0.00	1.00	0.00
11.10	16.24	2.00	0.00	1.00	0.00	11.11	16.61	2.00	0.00	1.00	0.00
11.12	17.65	2.00	0.00	1.00	0.00	11.13	18.60	2.00	0.00	1.00	0.00
11.14	20.02	2.00	0.00	1.00	0.00	11.15	20.10	2.00	0.00	1.00	0.00
11.16	22.00	2.00	0.00	1.00	0.00	11.17	22.94	2.00	0.00	1.00	0.00
11.18	24.55	2.00	0.00	1.00	0.00	11.19	25.11	2.00	0.00	1.00	0.00
11.20	26.72	2.00	0.00	1.00	0.00	11.21	27.38	2.00	0.00	1.00	0.00
11.22	27.46	2.00	0.00	1.00	0.00	11.23	28.50	2.00	0.00	1.00	0.00
11.24	29.06	2.00	0.00	1.00	0.00	11.25	28.28	2.00	0.00	1.00	0.00
11.26	27.32	2.00	0.00	1.00	0.00	11.27	25.50	2.00	0.00	1.00	0.00
11.28	24.16	2.00	0.00	1.00	0.00	11.29	24.06	2.00	0.00	1.00	0.00
11.30	26.33	2.00	0.00	1.00	0.00	11.31	23.56	2.00	0.00	1.00	0.00
11.32	22.42	2.00	0.00	1.00	0.00	11.33	22.22	2.00	0.00	1.00	0.00
11.34	22.21	2.00	0.00	1.00	0.00	11.35	21.72	2.00	0.00	1.00	0.00
11.36	21.52	2.00	0.00	1.00	0.00	11.37	21.23	2.00	0.00	1.00	0.00
11.38	20.84	2.00	0.00	1.00	0.00	11.39	20.83	2.00	0.00	1.00	0.00
11.40	21.20	2.00	0.00	1.00	0.00	11.41	21.19	2.00	0.00	1.00	0.00
11.42	21.18	2.00	0.00	1.00	0.00	11.43	21.08	2.00	0.00	1.00	0.00
11.44	20.97	2.00	0.00	1.00	0.00	11.45	21.06	2.00	0.00	1.00	0.00
11.46	21.14	2.00	0.00	1.00	0.00	11.47	21.51	2.00	0.00	1.00	0.00
11.48	21.69	2.00	0.00	1.00	0.00	11.49	21.96	2.00	0.00	1.00	0.00
11.50	21.95	2.00	0.00	1.00	0.00	11.51	21.38	2.00	0.00	1.00	0.00
11.52	24.28	2.00	0.00	1.00	0.00	11.53	21.27	2.00	0.00	1.00	0.00
11.54	19.75	2.00	0.00	1.00	0.00	11.55	19.18	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	18.71	2.00	0.00	1.00	0.00	11.57	18.32	2.00	0.00	1.00	0.00
11.58	18.03	2.00	0.00	1.00	0.00	11.59	17.75	2.00	0.00	1.00	0.00
11.60	18.02	2.00	0.00	1.00	0.00	11.61	18.10	2.00	0.00	1.00	0.00
11.62	18.38	2.00	0.00	1.00	0.00	11.63	19.49	2.00	0.00	1.00	0.00
11.64	19.58	2.00	0.00	1.00	0.00	11.65	19.57	2.00	0.00	1.00	0.00
11.66	19.56	2.00	0.00	1.00	0.00	11.67	19.83	2.00	0.00	1.00	0.00
11.68	19.45	2.00	0.00	1.00	0.00	11.69	18.88	2.00	0.00	1.00	0.00
11.70	18.78	2.00	0.00	1.00	0.00	11.71	18.40	2.00	0.00	1.00	0.00
11.72	18.11	2.00	0.00	1.00	0.00	11.73	17.92	2.00	0.00	1.00	0.00
11.74	17.73	2.00	0.00	1.00	0.00	11.75	18.00	2.00	0.00	1.00	0.00
11.76	18.17	2.00	0.00	1.00	0.00	11.77	18.17	2.00	0.00	1.00	0.00
11.78	18.16	2.00	0.00	1.00	0.00	11.79	18.80	2.00	0.00	1.00	0.00
11.80	18.33	2.00	0.00	1.00	0.00	11.81	19.25	2.00	0.00	1.00	0.00
11.82	18.96	2.00	0.00	1.00	0.00	11.83	18.40	2.00	0.00	1.00	0.00
11.84	17.56	2.00	0.00	1.00	0.00	11.85	17.09	2.00	0.00	1.00	0.00
11.86	18.19	2.00	0.00	1.00	0.00	11.87	18.47	2.00	0.00	1.00	0.00
11.88	16.24	2.00	0.00	1.00	0.00	11.89	15.68	2.00	0.00	1.00	0.00
11.90	15.67	2.00	0.00	1.00	0.00	11.91	15.66	2.00	0.00	1.00	0.00
11.92	15.93	2.00	0.00	1.00	0.00	11.93	16.02	2.00	0.00	1.00	0.00
11.94	16.29	2.00	0.00	1.00	0.00	11.95	16.01	2.00	0.00	1.00	0.00
11.96	15.91	2.00	0.00	1.00	0.00	11.97	15.99	2.00	0.00	1.00	0.00
11.98	15.99	2.00	0.00	1.00	0.00	11.99	15.98	2.00	0.00	1.00	0.00
12.00	15.88	2.00	0.00	1.00	0.00	12.01	15.69	2.00	0.00	1.00	0.00
12.02	15.32	2.00	0.00	1.00	0.00	12.03	15.31	2.00	0.00	1.00	0.00
12.04	15.12	2.00	0.00	1.00	0.00	12.05	15.39	2.00	0.00	1.00	0.00
12.06	16.03	2.00	0.00	1.00	0.00	12.07	16.02	2.00	0.00	1.00	0.00
12.08	16.66	2.00	0.00	1.00	0.00	12.09	17.02	2.00	0.00	1.00	0.00
12.10	17.74	2.00	0.00	1.00	0.00	12.11	18.01	2.00	0.00	1.00	0.00
12.12	18.55	2.00	0.00	1.00	0.00	12.13	18.82	2.00	0.00	1.00	0.00
12.14	18.63	2.00	0.00	1.00	0.00	12.15	18.44	2.00	0.00	1.00	0.00
12.16	18.34	2.00	0.00	1.00	0.00	12.17	18.34	2.00	0.00	1.00	0.00
12.18	18.15	2.00	0.00	1.00	0.00	12.19	18.14	2.00	0.00	1.00	0.00
12.20	18.68	2.00	0.00	1.00	0.00	12.21	19.32	2.00	0.00	1.00	0.00
12.22	19.58	2.00	0.00	1.00	0.00	12.23	19.67	2.00	0.00	1.00	0.00
12.24	19.84	2.00	0.00	1.00	0.00	12.25	19.74	2.00	0.00	1.00	0.00
12.26	19.65	2.00	0.00	1.00	0.00	12.27	19.36	2.00	0.00	1.00	0.00
12.28	18.81	2.00	0.00	1.00	0.00	12.29	17.98	2.00	0.00	1.00	0.00
12.30	17.34	2.00	0.00	1.00	0.00	12.31	16.78	2.00	0.00	1.00	0.00
12.32	16.69	2.00	0.00	1.00	0.00	12.33	16.77	2.00	0.00	1.00	0.00
12.34	16.76	2.00	0.00	1.00	0.00	12.35	16.94	2.00	0.00	1.00	0.00
12.36	16.93	2.00	0.00	1.00	0.00	12.37	16.92	2.00	0.00	1.00	0.00
12.38	16.74	2.00	0.00	1.00	0.00	12.39	16.37	2.00	0.00	1.00	0.00
12.40	16.18	2.00	0.00	1.00	0.00	12.41	16.26	2.00	0.00	1.00	0.00
12.42	16.17	2.00	0.00	1.00	0.00	12.43	15.98	2.00	0.00	1.00	0.00
12.44	15.97	2.00	0.00	1.00	0.00	12.45	16.78	2.00	0.00	1.00	0.00
12.46	18.86	2.00	0.00	1.00	0.00	12.47	19.66	2.00	0.00	1.00	0.00
12.48	20.11	2.00	0.00	1.00	0.00	12.49	19.38	2.00	0.00	1.00	0.00
12.50	18.92	2.00	0.00	1.00	0.00	12.51	18.91	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
12.52	18.72	2.00	0.00	1.00	0.00	12.53	17.63	2.00	0.00	1.00	0.00
12.54	17.18	2.00	0.00	1.00	0.00	12.55	16.54	2.00	0.00	1.00	0.00
12.56	16.26	2.00	0.00	1.00	0.00	12.57	16.44	2.00	0.00	1.00	0.00
12.58	16.25	2.00	0.00	1.00	0.00	12.59	16.33	2.00	0.00	1.00	0.00
12.60	15.52	2.00	0.00	1.00	0.00	12.61	15.42	2.00	0.00	1.00	0.00
12.62	15.77	2.00	0.00	1.00	0.00	12.63	16.94	2.00	0.00	1.00	0.00
12.64	18.10	2.00	0.00	1.00	0.00	12.65	18.54	2.00	0.00	1.00	0.00
12.66	18.98	2.00	0.00	1.00	0.00	12.67	18.80	2.00	0.00	1.00	0.00
12.68	18.16	2.00	0.00	1.00	0.00	12.69	17.71	2.00	0.00	1.00	0.00
12.70	16.35	2.00	0.00	1.00	0.00	12.71	15.81	2.00	0.00	1.00	0.00
12.72	15.09	2.00	0.00	1.00	0.00	12.73	14.55	2.00	0.00	1.00	0.00
12.74	14.45	2.00	0.00	1.00	0.00	12.75	16.15	2.00	0.00	1.00	0.00
12.76	16.23	2.00	0.00	1.00	0.00	12.77	17.30	2.00	0.00	1.00	0.00
12.78	18.37	2.00	0.00	1.00	0.00	12.79	17.91	2.00	0.00	1.00	0.00
12.80	18.00	2.00	0.00	1.00	0.00	12.81	17.63	2.00	0.00	1.00	0.00
12.82	16.46	2.00	0.00	1.00	0.00	12.83	15.92	2.00	0.00	1.00	0.00
12.84	14.76	2.00	0.00	1.00	0.00	12.85	14.13	2.00	0.00	1.00	0.00
12.86	13.76	2.00	0.00	1.00	0.00	12.87	13.85	2.00	0.00	1.00	0.00
12.88	14.29	2.00	0.00	1.00	0.00	12.89	14.37	2.00	0.00	1.00	0.00
12.90	14.37	2.00	0.00	1.00	0.00	12.91	14.36	2.00	0.00	1.00	0.00
12.92	21.05	2.00	0.00	1.00	0.00	12.93	20.41	2.00	0.00	1.00	0.00
12.94	19.96	2.00	0.00	1.00	0.00	12.95	19.60	2.00	0.00	1.00	0.00
12.96	18.88	2.00	0.00	1.00	0.00	12.97	17.00	2.00	0.00	1.00	0.00
12.98	16.28	2.00	0.00	1.00	0.00	12.99	15.47	2.00	0.00	1.00	0.00
13.00	15.20	2.00	0.00	1.00	0.00	13.01	14.93	2.00	0.00	1.00	0.00
13.02	14.83	2.00	0.00	1.00	0.00	13.03	14.47	2.00	0.00	1.00	0.00
13.04	14.38	2.00	0.00	1.00	0.00	13.05	14.73	2.00	0.00	1.00	0.00
13.06	14.72	2.00	0.00	1.00	0.00	13.07	14.45	2.00	0.00	1.00	0.00
13.08	14.36	2.00	0.00	1.00	0.00	13.09	14.71	2.00	0.00	1.00	0.00
13.10	15.23	2.00	0.00	1.00	0.00	13.11	15.40	2.00	0.00	1.00	0.00
13.12	15.66	2.00	0.00	1.00	0.00	13.13	15.83	2.00	0.00	1.00	0.00
13.14	16.71	2.00	0.00	1.00	0.00	13.15	17.32	2.00	0.00	1.00	0.00
13.16	18.46	2.00	0.00	1.00	0.00	13.17	19.61	2.00	0.00	1.00	0.00
13.18	22.08	2.00	0.00	1.00	0.00	13.19	22.70	2.00	0.00	1.00	0.00
13.20	22.41	2.00	0.00	1.00	0.00	13.21	26.33	2.00	0.00	1.00	0.00
13.22	24.54	2.00	0.00	1.00	0.00	13.23	20.54	2.00	0.00	1.00	0.00
13.24	19.57	2.00	0.00	1.00	0.00	13.25	17.62	2.00	0.00	1.00	0.00
13.26	15.32	2.00	0.00	1.00	0.00	13.27	15.40	2.00	0.00	1.00	0.00
13.28	15.31	2.00	0.00	1.00	0.00	13.29	15.04	2.00	0.00	1.00	0.00
13.30	14.42	2.00	0.00	1.00	0.00	13.31	14.32	2.00	0.00	1.00	0.00
13.32	14.14	2.00	0.00	1.00	0.00	13.33	14.14	2.00	0.00	1.00	0.00
13.34	13.96	2.00	0.00	1.00	0.00	13.35	13.51	2.00	0.00	1.00	0.00
13.36	13.68	2.00	0.00	1.00	0.00	13.37	14.47	2.00	0.00	1.00	0.00
13.38	15.86	2.00	0.00	1.00	0.00	13.39	16.91	2.00	0.00	1.00	0.00
13.40	18.22	2.00	0.00	1.00	0.00	13.41	18.03	2.00	0.00	1.00	0.00
13.42	17.24	2.00	0.00	1.00	0.00	13.43	16.88	2.00	0.00	1.00	0.00
13.44	16.09	2.00	0.00	1.00	0.00	13.45	15.04	2.00	0.00	1.00	0.00
13.46	14.95	2.00	0.00	1.00	0.00	13.47	14.50	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
13.48	14.32	2.00	0.00	1.00	0.00	13.49	14.23	2.00	0.00	1.00	0.00
13.50	14.40	2.00	0.00	1.00	0.00	13.51	15.01	2.00	0.00	1.00	0.00
13.52	15.52	2.00	0.00	1.00	0.00	13.53	16.74	2.00	0.00	1.00	0.00
13.54	18.13	2.00	0.00	1.00	0.00	13.55	18.56	2.00	0.00	1.00	0.00
13.56	18.47	2.00	0.00	1.00	0.00	13.57	18.46	2.00	0.00	1.00	0.00
13.58	17.58	2.00	0.00	1.00	0.00	13.59	16.79	2.00	0.00	1.00	0.00
13.60	16.87	2.00	0.00	1.00	0.00	13.61	16.35	2.00	0.00	1.00	0.00
13.62	16.17	2.00	0.00	1.00	0.00	13.63	15.90	2.00	0.00	1.00	0.00
13.64	15.63	2.00	0.00	1.00	0.00	13.65	15.37	2.00	0.00	1.00	0.00
13.66	15.27	2.00	0.00	1.00	0.00	13.67	15.36	2.00	0.00	1.00	0.00
13.68	15.96	2.00	0.00	1.00	0.00	13.69	16.21	2.00	0.00	1.00	0.00
13.70	17.08	2.00	0.00	1.00	0.00	13.71	18.11	2.00	0.00	1.00	0.00
13.72	18.19	2.00	0.00	1.00	0.00	13.73	17.75	2.00	0.00	1.00	0.00
13.74	17.40	2.00	0.00	1.00	0.00	13.75	16.78	2.00	0.00	1.00	0.00
13.76	16.78	2.00	0.00	1.00	0.00	13.77	16.77	2.00	0.00	1.00	0.00
13.78	17.11	2.00	0.00	1.00	0.00	13.79	18.06	2.00	0.00	1.00	0.00
13.80	21.01	2.00	0.00	1.00	0.00	13.81	22.30	2.00	0.00	1.00	0.00
13.82	24.04	2.00	0.00	1.00	0.00	13.83	24.03	2.00	0.00	1.00	0.00
13.84	24.37	2.00	0.00	1.00	0.00	13.85	26.72	2.00	0.00	1.00	0.00
13.86	28.21	2.00	0.00	1.00	0.00	13.87	90.49	0.33	3.55	1.00	0.04
13.88	93.77	0.35	3.43	1.00	0.03	13.89	95.78	0.35	3.36	1.00	0.03
13.90	95.56	0.35	3.36	1.00	0.03	13.91	96.40	0.36	3.34	1.00	0.03
13.92	38.94	2.00	0.00	1.00	0.00	13.93	35.49	2.00	0.00	1.00	0.00
13.94	30.19	2.00	0.00	1.00	0.00	13.95	24.40	2.00	0.00	1.00	0.00
13.96	20.90	2.00	0.00	1.00	0.00	13.97	20.20	2.00	0.00	1.00	0.00
13.98	19.41	2.00	0.00	1.00	0.00	13.99	19.14	2.00	0.00	1.00	0.00
14.00	19.14	2.00	0.00	1.00	0.00	14.01	17.83	2.00	0.00	1.00	0.00
14.02	17.65	2.00	0.00	1.00	0.00	14.03	17.82	2.00	0.00	1.00	0.00
14.04	17.90	2.00	0.00	1.00	0.00	14.05	17.72	2.00	0.00	1.00	0.00
14.06	17.62	2.00	0.00	1.00	0.00	14.07	17.53	2.00	0.00	1.00	0.00
14.08	17.44	2.00	0.00	1.00	0.00	14.09	17.26	2.00	0.00	1.00	0.00
14.10	16.65	2.00	0.00	1.00	0.00	14.11	16.82	2.00	0.00	1.00	0.00
14.12	17.67	2.00	0.00	1.00	0.00	14.13	17.75	2.00	0.00	1.00	0.00
14.14	19.11	2.00	0.00	1.00	0.00	14.15	19.71	2.00	0.00	1.00	0.00
14.16	19.27	2.00	0.00	1.00	0.00	14.17	17.38	2.00	0.00	1.00	0.00
14.18	16.78	2.00	0.00	1.00	0.00	14.19	16.60	2.00	0.00	1.00	0.00
14.20	16.76	2.00	0.00	1.00	0.00	14.21	17.44	2.00	0.00	1.00	0.00
14.22	17.95	2.00	0.00	1.00	0.00	14.23	18.55	2.00	0.00	1.00	0.00
14.24	18.71	2.00	0.00	1.00	0.00	14.25	18.70	2.00	0.00	1.00	0.00
14.26	18.35	2.00	0.00	1.00	0.00	14.27	18.35	2.00	0.00	1.00	0.00
14.28	18.17	2.00	0.00	1.00	0.00	14.29	17.91	2.00	0.00	1.00	0.00
14.30	17.73	2.00	0.00	1.00	0.00	14.31	17.38	2.00	0.00	1.00	0.00
14.32	17.29	2.00	0.00	1.00	0.00	14.33	17.37	2.00	0.00	1.00	0.00
14.34	18.21	2.00	0.00	1.00	0.00	14.35	19.49	2.00	0.00	1.00	0.00
14.36	20.16	2.00	0.00	1.00	0.00	14.37	21.86	2.00	0.00	1.00	0.00
14.38	23.31	2.00	0.00	1.00	0.00	14.39	23.90	2.00	0.00	1.00	0.00
14.40	25.27	2.00	0.00	1.00	0.00	14.41	27.67	2.00	0.00	1.00	0.00
14.42	29.38	2.00	0.00	1.00	0.00	14.43	92.95	0.35	3.46	1.00	0.03

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
14.44	95.34	0.36	3.37	1.00	0.03	14.45	95.70	0.36	3.36	1.00	0.03
14.46	34.13	2.00	0.00	1.00	0.00	14.47	29.71	2.00	0.00	1.00	0.00
14.48	26.77	2.00	0.00	1.00	0.00	14.49	26.26	2.00	0.00	1.00	0.00
14.50	24.88	2.00	0.00	1.00	0.00	14.51	23.84	2.00	0.00	1.00	0.00
14.52	22.20	2.00	0.00	1.00	0.00	14.53	21.16	2.00	0.00	1.00	0.00
14.54	20.56	2.00	0.00	1.00	0.00	14.55	19.10	2.00	0.00	1.00	0.00
14.56	18.33	2.00	0.00	1.00	0.00	14.57	18.32	2.00	0.00	1.00	0.00
14.58	18.06	2.00	0.00	1.00	0.00	14.59	18.48	2.00	0.00	1.00	0.00
14.60	18.21	2.00	0.00	1.00	0.00	14.61	17.87	2.00	0.00	1.00	0.00
14.62	17.44	2.00	0.00	1.00	0.00	14.63	17.60	2.00	0.00	1.00	0.00
14.64	18.78	2.00	0.00	1.00	0.00	14.65	20.72	2.00	0.00	1.00	0.00
14.66	22.92	2.00	0.00	1.00	0.00	14.67	23.75	2.00	0.00	1.00	0.00
14.68	24.77	2.00	0.00	1.00	0.00	14.69	24.16	2.00	0.00	1.00	0.00
14.70	23.56	2.00	0.00	1.00	0.00	14.71	22.36	2.00	0.00	1.00	0.00
14.72	22.02	2.00	0.00	1.00	0.00	14.73	21.26	2.00	0.00	1.00	0.00
14.74	20.83	2.00	0.00	1.00	0.00	14.75	21.16	2.00	0.00	1.00	0.00
14.76	21.57	2.00	0.00	1.00	0.00	14.77	23.35	2.00	0.00	1.00	0.00
14.78	25.46	2.00	0.00	1.00	0.00	14.79	26.48	2.00	0.00	1.00	0.00
14.80	27.32	2.00	0.00	1.00	0.00						

**Total estimated settlement: 18.28****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

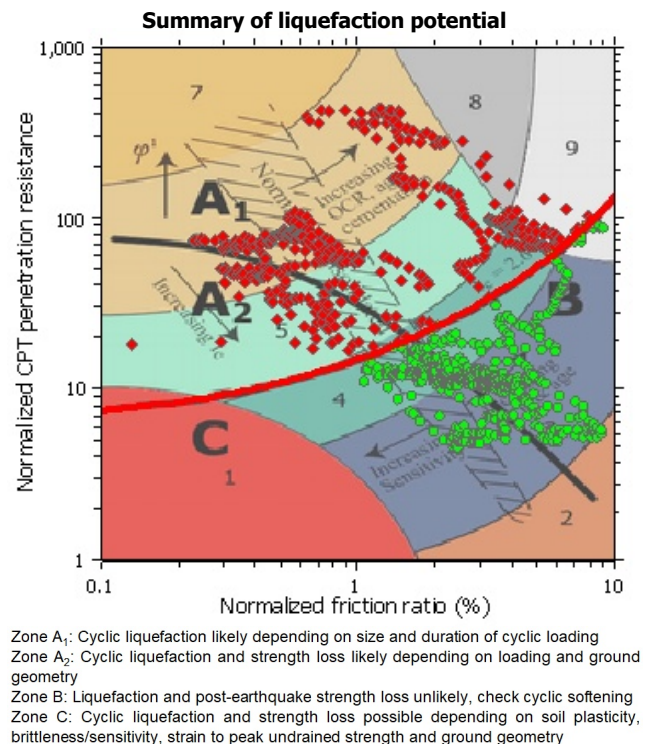
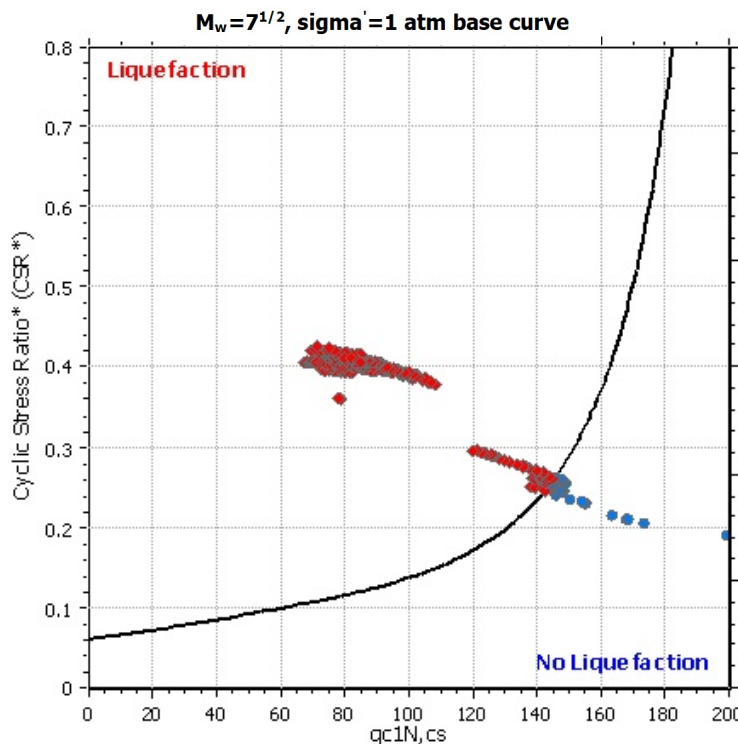
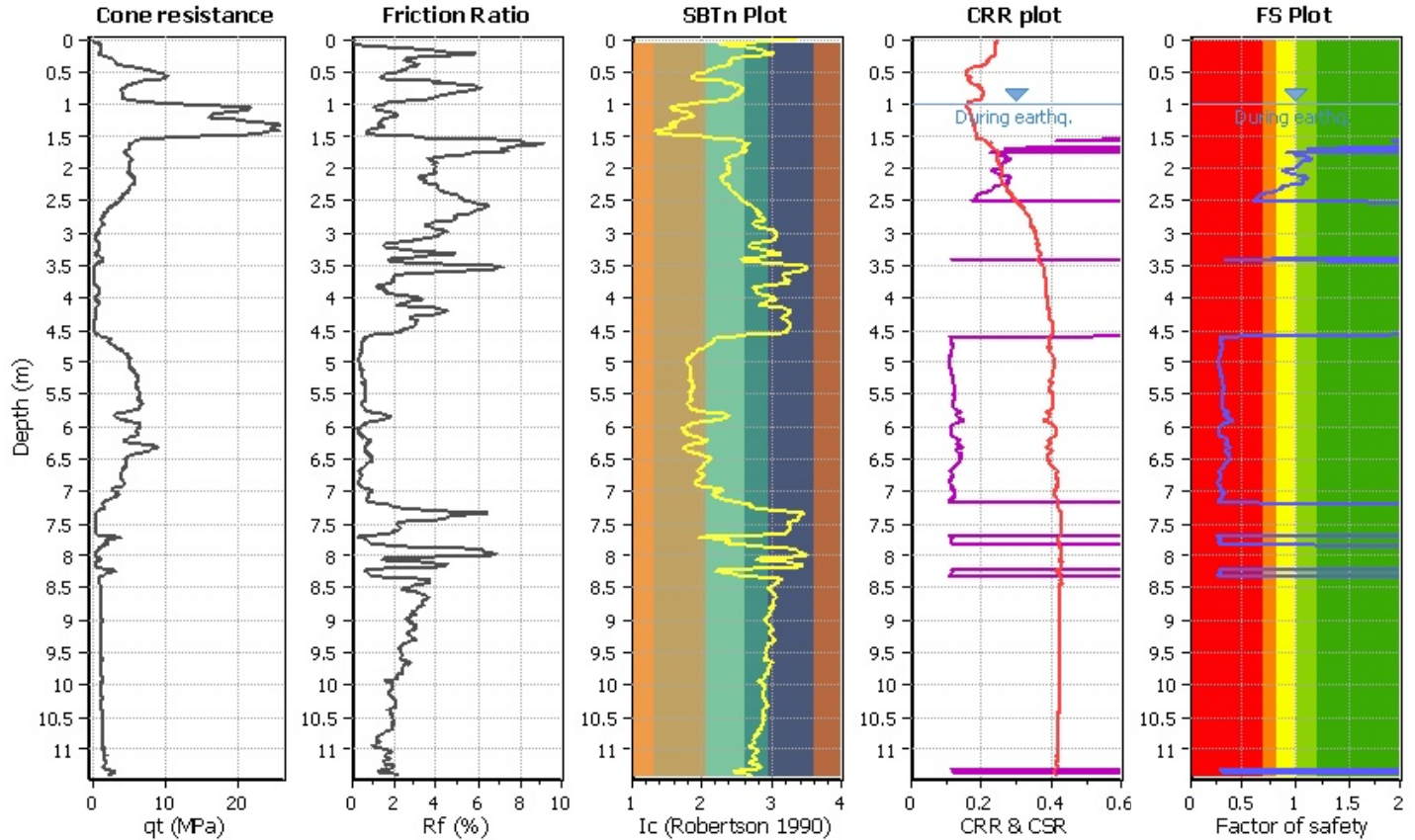
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

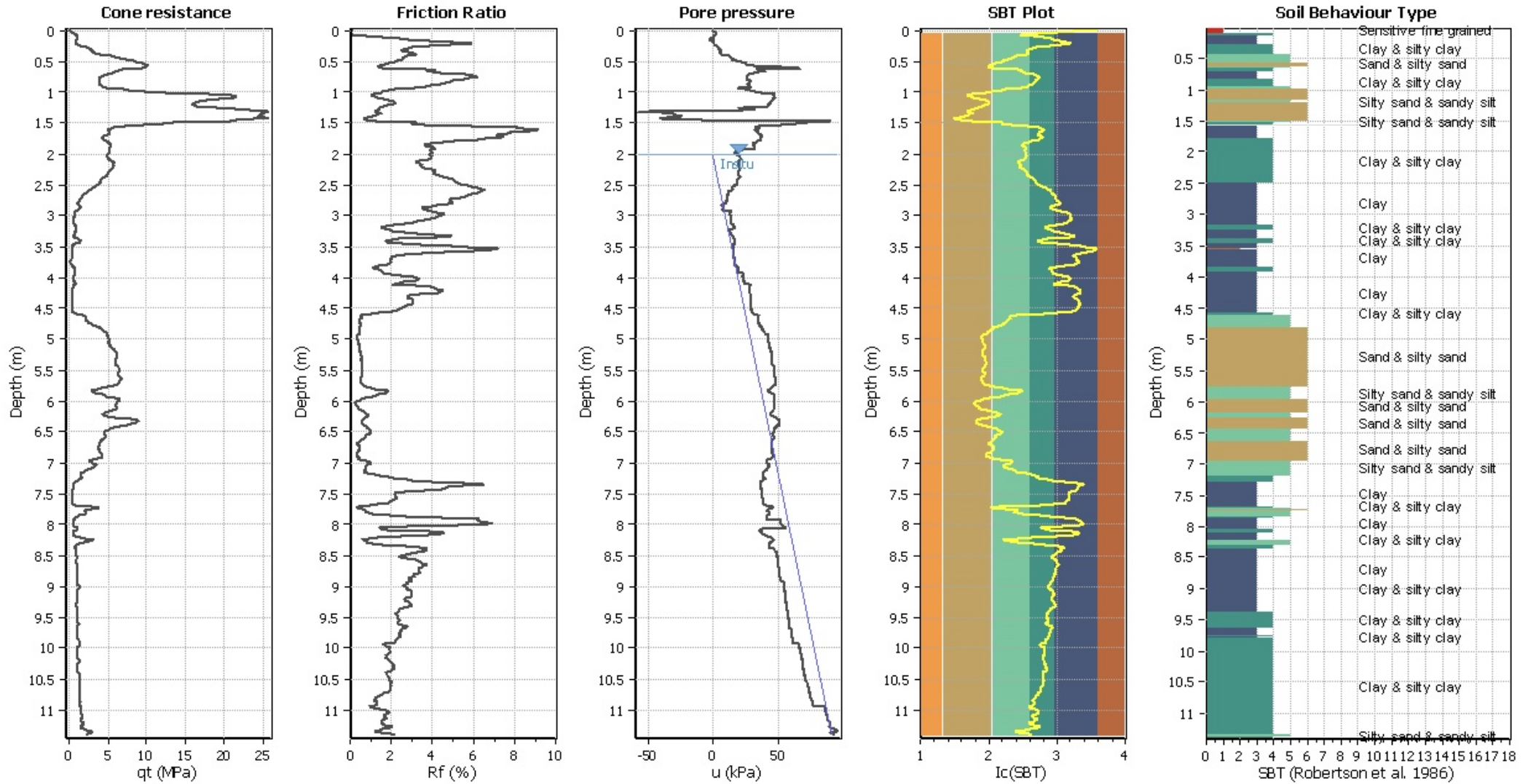
**CPT file : CPTU-05-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



#### Input parameters and analysis data

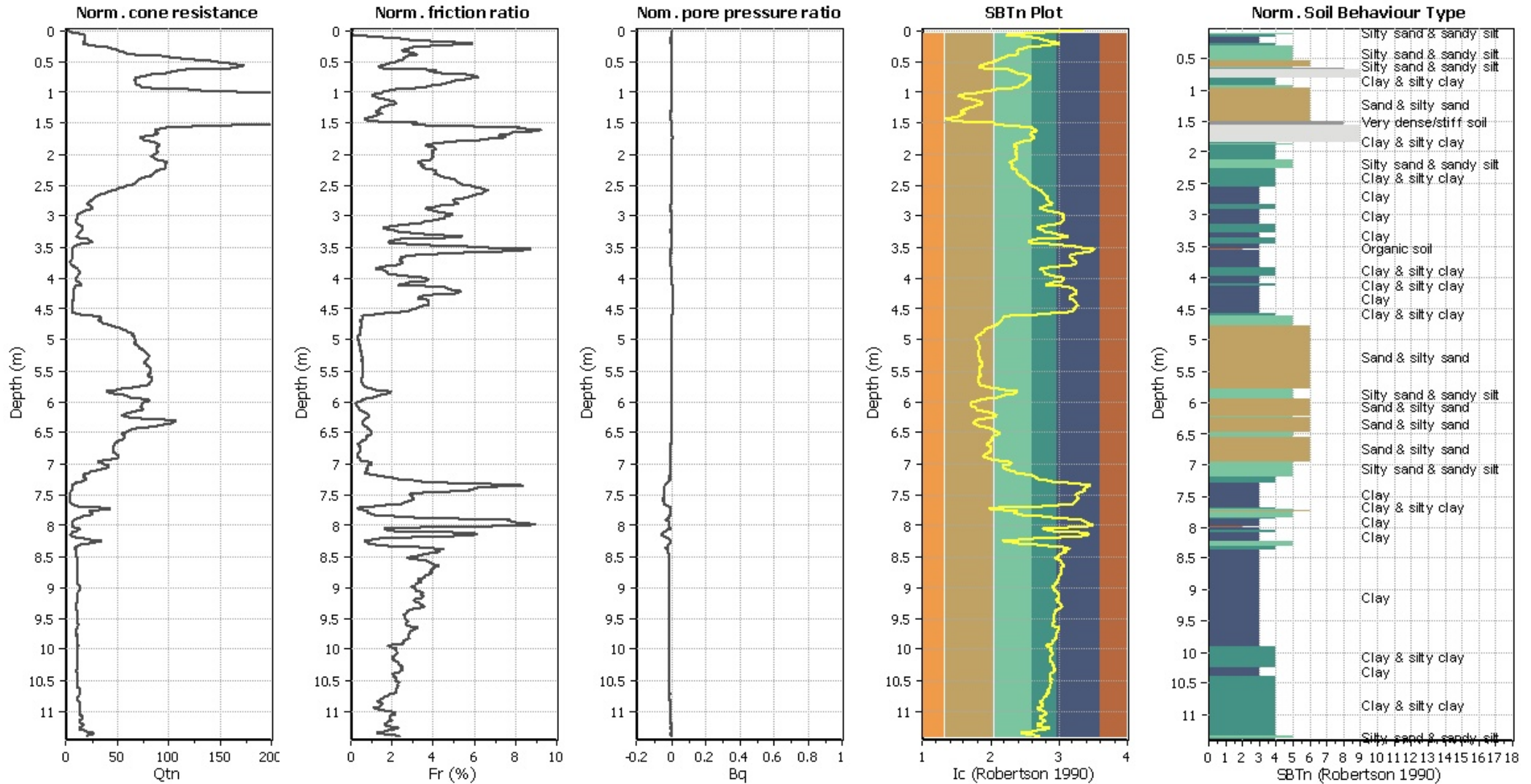
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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



### CPT basic interpretation plots (normaliz



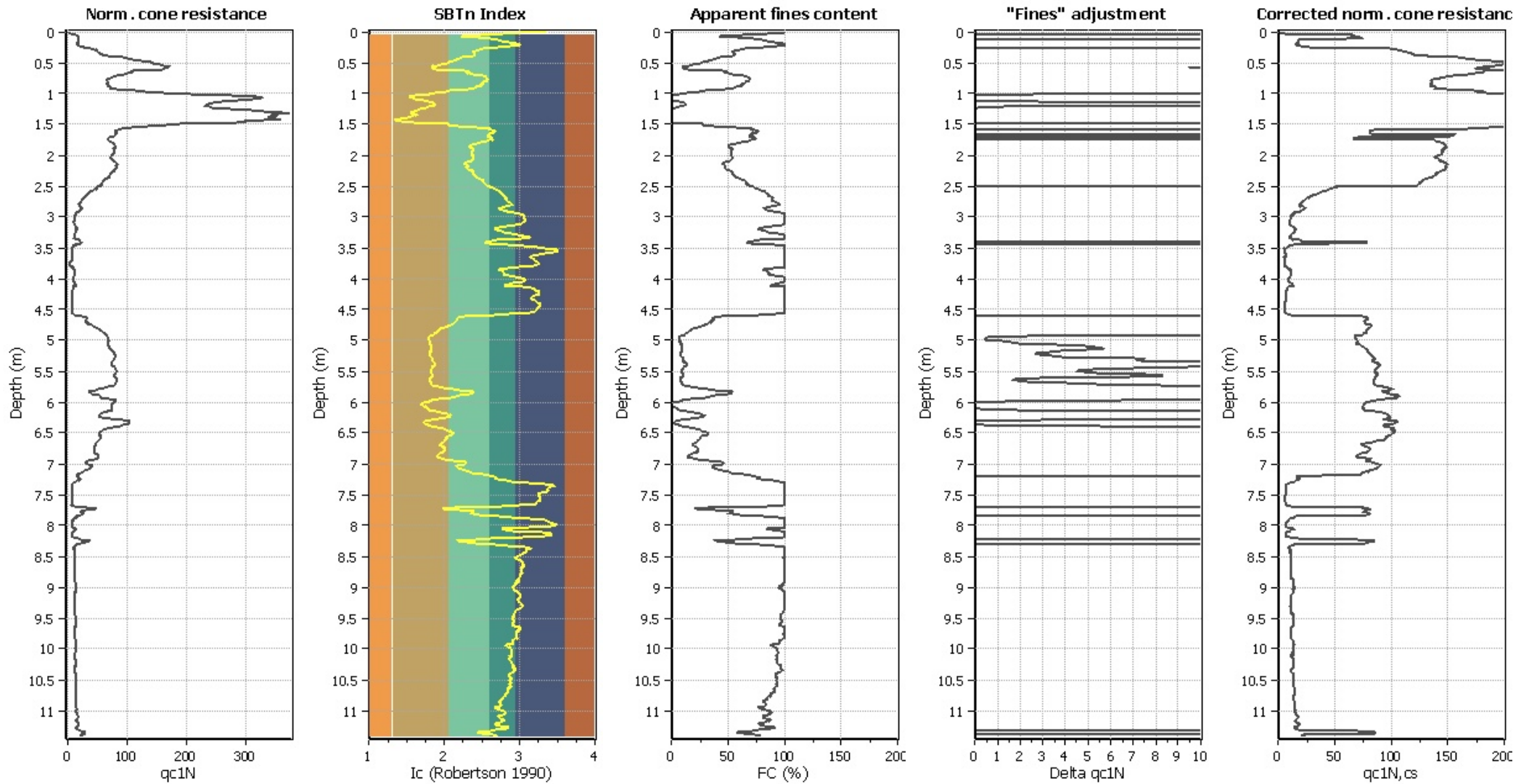
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

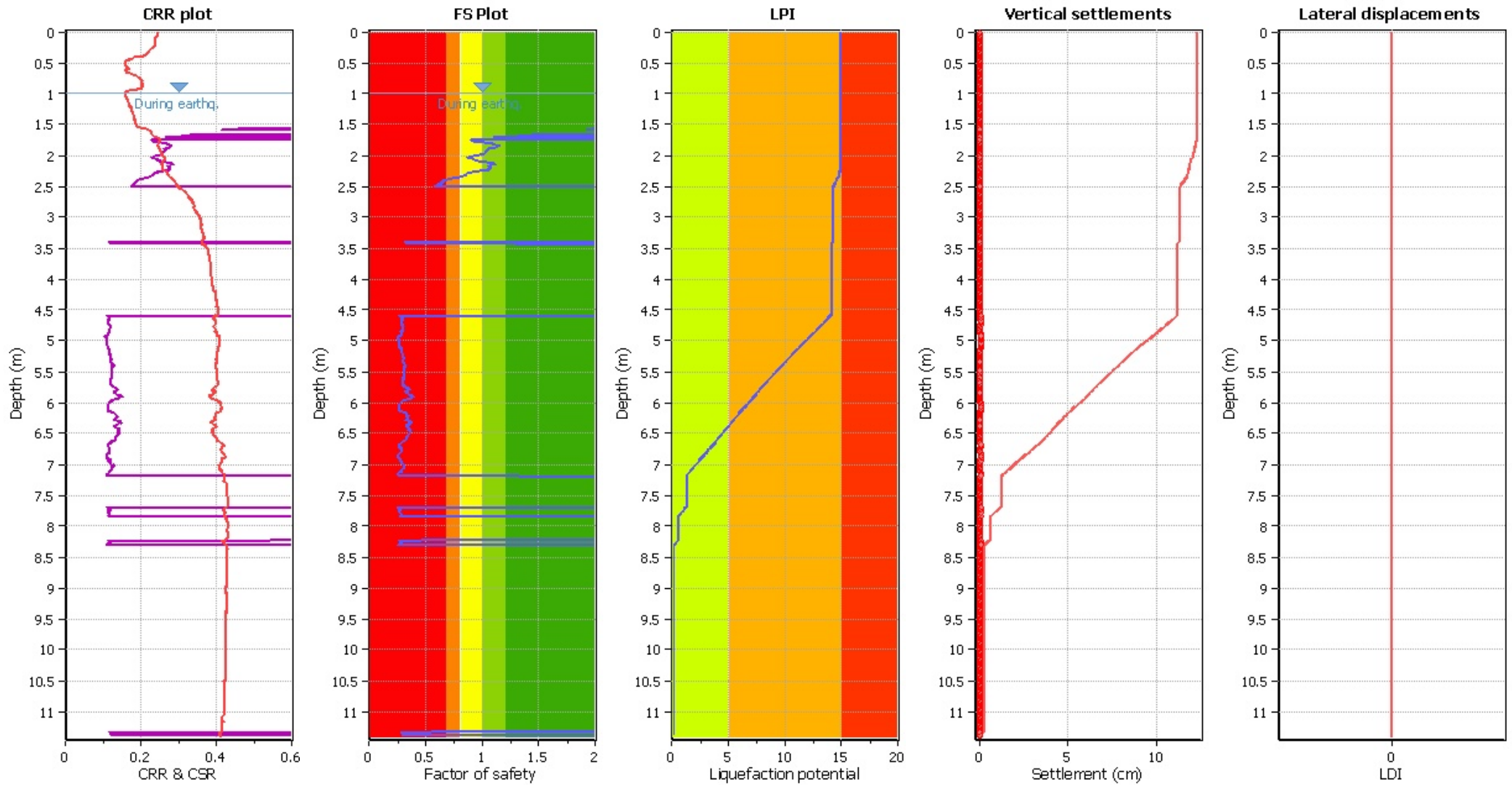
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

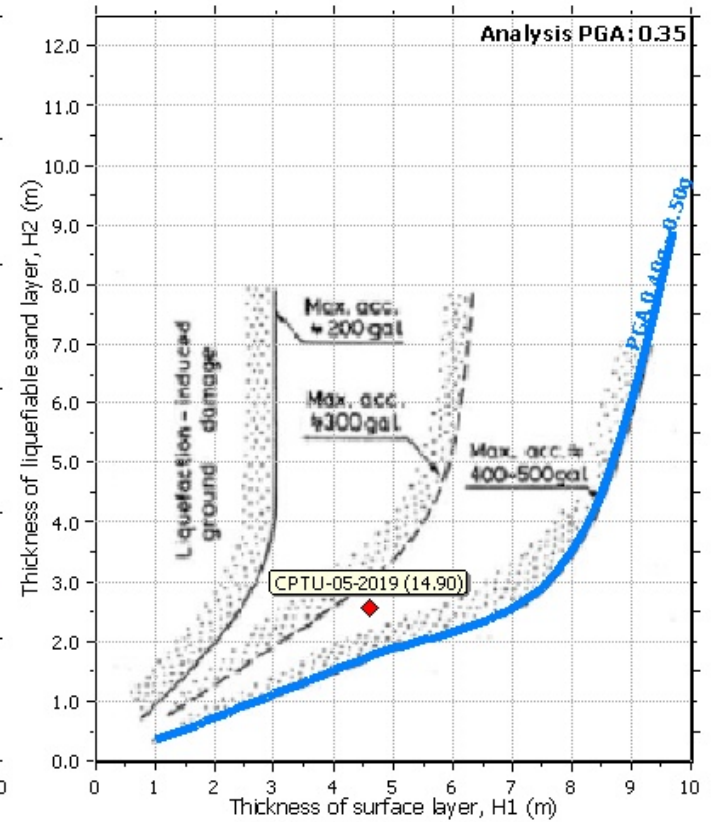
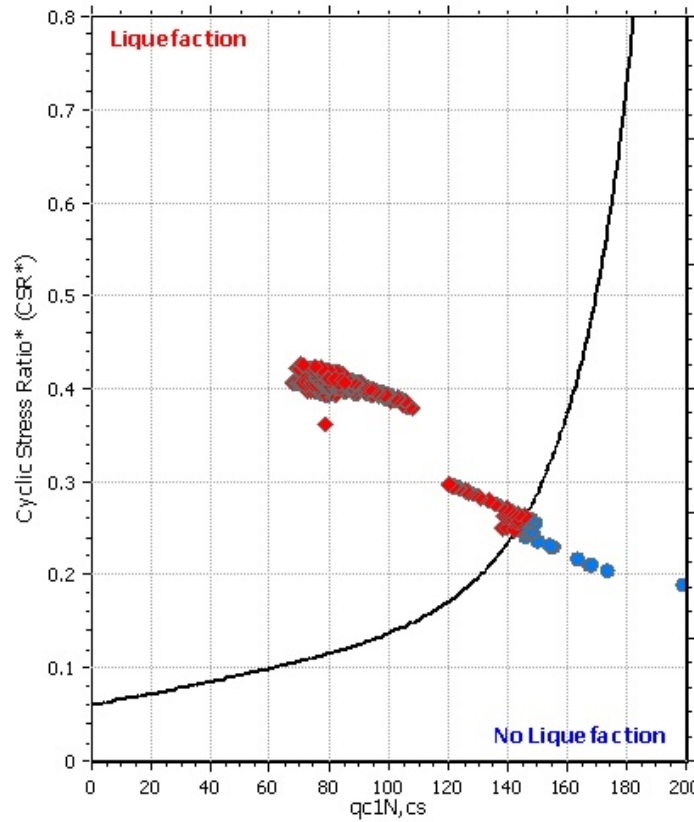
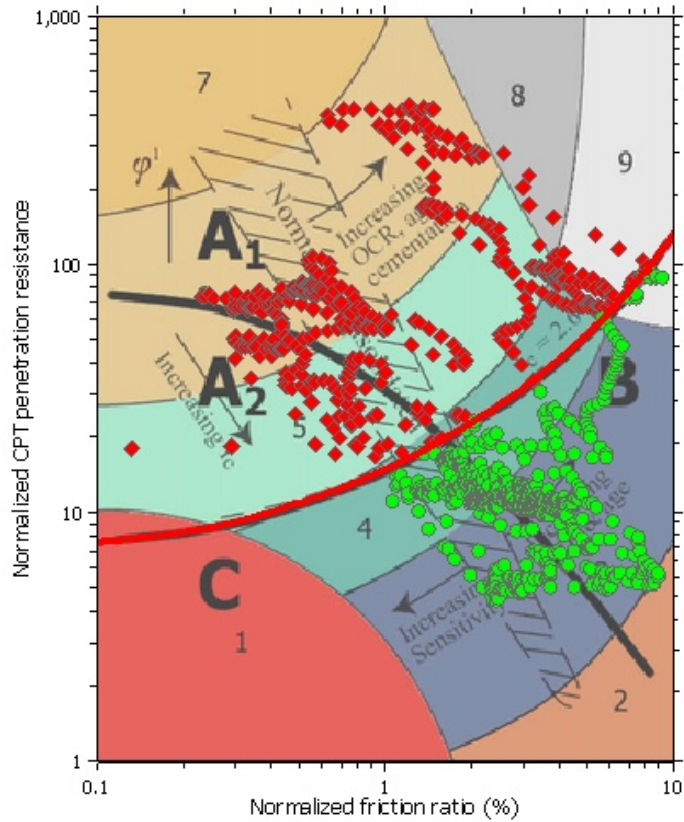
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

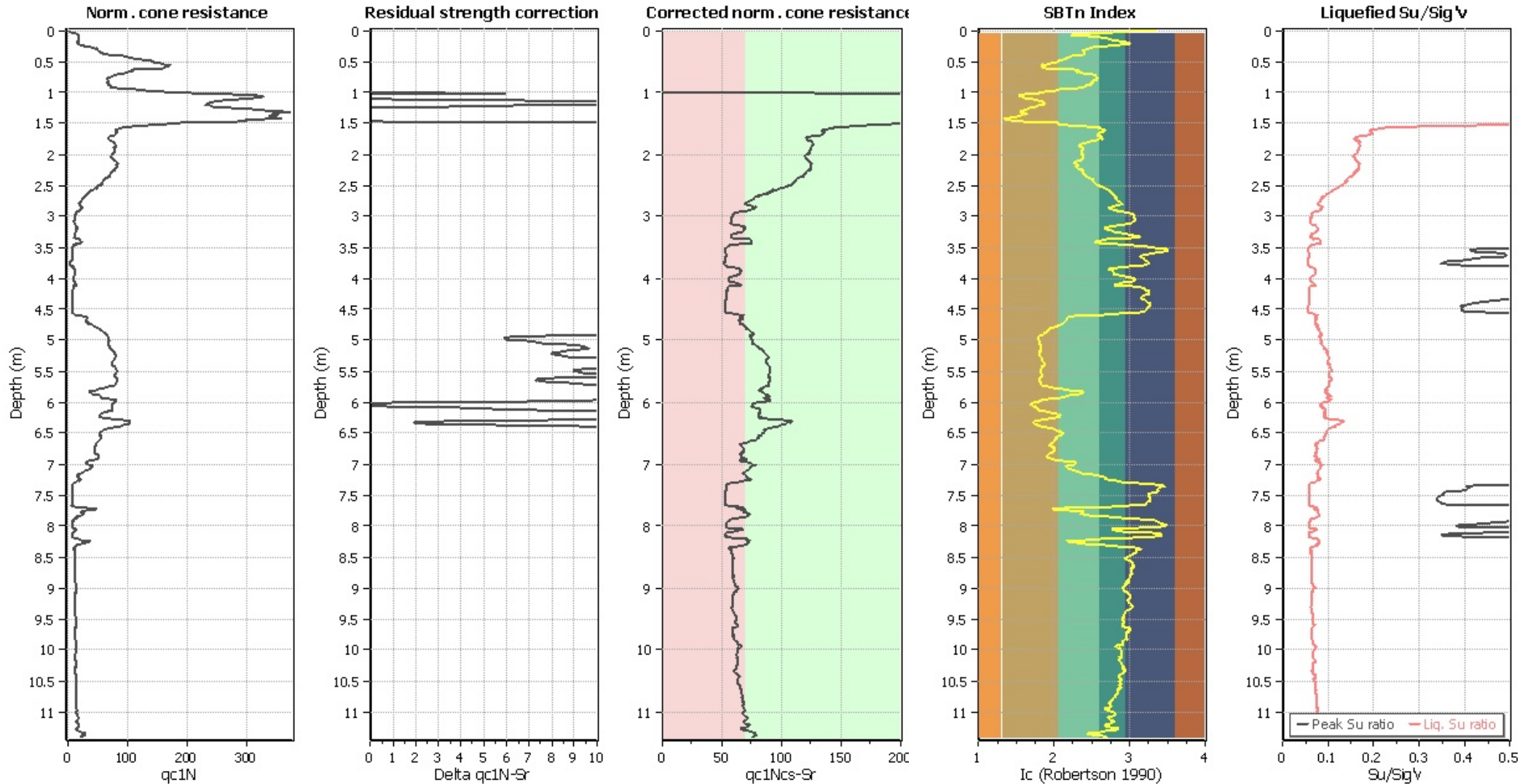
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	1.92	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	1.46	0.00	9.17	0.01	0.00
1.67	1.42	0.00	9.16	0.01	0.00	1.68	1.39	0.00	9.16	0.01	0.00
1.69	1.25	0.00	9.16	0.01	0.00	1.70	1.11	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	0.90	0.10	9.13	0.01	0.01	1.76	0.93	0.07	9.12	0.01	0.01
1.77	0.98	0.02	9.12	0.01	0.00	1.78	1.00	0.00	9.11	0.01	0.00
1.79	1.02	0.00	9.11	0.01	0.00	1.80	1.09	0.00	9.10	0.01	0.00
1.81	1.10	0.00	9.10	0.01	0.00	1.82	1.09	0.00	9.09	0.01	0.00
1.83	1.09	0.00	9.09	0.01	0.00	1.84	1.15	0.00	9.08	0.01	0.00
1.85	1.14	0.00	9.07	0.01	0.00	1.86	1.12	0.00	9.07	0.01	0.00
1.87	1.13	0.00	9.07	0.01	0.00	1.88	1.09	0.00	9.06	0.01	0.00
1.89	1.06	0.00	9.06	0.01	0.00	1.90	1.06	0.00	9.05	0.01	0.00
1.91	1.06	0.00	9.05	0.01	0.00	1.92	1.04	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.04	0.00	9.04	0.01	0.00	1.94	1.03	0.00	9.03	0.01	0.00
1.95	1.03	0.00	9.03	0.01	0.00	1.96	1.02	0.00	9.02	0.01	0.00
1.97	1.02	0.00	9.02	0.01	0.00	1.98	1.02	0.00	9.01	0.01	0.00
1.99	0.98	0.02	9.01	0.01	0.00	2.00	0.96	0.04	9.00	0.01	0.00
2.01	0.92	0.08	8.99	0.01	0.01	2.02	0.87	0.13	8.99	0.01	0.01
2.03	0.87	0.13	8.99	0.01	0.01	2.04	0.88	0.12	8.98	0.01	0.01
2.05	0.90	0.10	8.98	0.01	0.01	2.06	0.93	0.07	8.97	0.01	0.01
2.07	0.93	0.07	8.97	0.01	0.01	2.08	0.97	0.03	8.96	0.01	0.00
2.09	0.97	0.03	8.96	0.01	0.00	2.10	1.00	0.00	8.95	0.01	0.00
2.11	1.04	0.00	8.95	0.01	0.00	2.12	1.05	0.00	8.94	0.01	0.00
2.13	1.10	0.00	8.94	0.01	0.00	2.14	1.12	0.00	8.93	0.01	0.00
2.15	1.09	0.00	8.93	0.01	0.00	2.16	1.07	0.00	8.92	0.01	0.00
2.17	1.05	0.00	8.91	0.01	0.00	2.18	1.06	0.00	8.91	0.01	0.00
2.19	1.08	0.00	8.91	0.01	0.00	2.20	1.07	0.00	8.90	0.01	0.00
2.21	1.07	0.00	8.90	0.01	0.00	2.22	1.05	0.00	8.89	0.01	0.00
2.23	1.05	0.00	8.89	0.01	0.00	2.24	1.02	0.00	8.88	0.01	0.00
2.25	0.99	0.01	8.88	0.01	0.00	2.26	0.96	0.04	8.87	0.01	0.00
2.27	0.91	0.09	8.87	0.01	0.01	2.28	0.90	0.10	8.86	0.01	0.01
2.29	0.87	0.13	8.86	0.01	0.01	2.30	0.86	0.14	8.85	0.01	0.01
2.31	0.85	0.15	8.85	0.01	0.01	2.32	0.86	0.14	8.84	0.01	0.01
2.33	0.82	0.18	8.84	0.01	0.02	2.34	0.81	0.19	8.83	0.01	0.02
2.35	0.80	0.20	8.82	0.01	0.02	2.36	0.79	0.21	8.82	0.01	0.02
2.37	0.75	0.25	8.82	0.01	0.02	2.38	0.71	0.29	8.81	0.01	0.03
2.39	0.70	0.30	8.81	0.01	0.03	2.40	0.67	0.33	8.80	0.01	0.03
2.41	0.65	0.35	8.80	0.01	0.03	2.42	0.65	0.35	8.79	0.01	0.03
2.43	0.64	0.36	8.79	0.01	0.03	2.44	0.64	0.36	8.78	0.01	0.03
2.45	0.64	0.36	8.78	0.01	0.03	2.46	0.62	0.38	8.77	0.01	0.03
2.47	0.61	0.39	8.77	0.01	0.03	2.48	0.60	0.40	8.76	0.01	0.03
2.49	0.59	0.41	8.76	0.01	0.04	2.50	0.58	0.42	8.75	0.01	0.04
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	2.00	0.00	8.63	0.01	0.00
2.75	2.00	0.00	8.63	0.01	0.00	2.76	2.00	0.00	8.62	0.01	0.00
2.77	2.00	0.00	8.62	0.01	0.00	2.78	2.00	0.00	8.61	0.01	0.00
2.79	2.00	0.00	8.61	0.01	0.00	2.80	2.00	0.00	8.60	0.01	0.00
2.81	2.00	0.00	8.60	0.01	0.00	2.82	2.00	0.00	8.59	0.01	0.00
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	2.00	0.00	8.57	0.01	0.00	2.86	2.00	0.00	8.57	0.01	0.00
2.87	2.00	0.00	8.57	0.01	0.00	2.88	2.00	0.00	8.56	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	2.00	0.00	8.54	0.01	0.00
2.93	2.00	0.00	8.54	0.01	0.00	2.94	2.00	0.00	8.53	0.01	0.00
2.95	2.00	0.00	8.53	0.01	0.00	2.96	2.00	0.00	8.52	0.01	0.00
2.97	2.00	0.00	8.52	0.01	0.00	2.98	2.00	0.00	8.51	0.01	0.00
2.99	2.00	0.00	8.51	0.01	0.00	3.00	2.00	0.00	8.50	0.01	0.00
3.01	2.00	0.00	8.49	0.01	0.00	3.02	2.00	0.00	8.49	0.01	0.00
3.03	2.00	0.00	8.49	0.01	0.00	3.04	2.00	0.00	8.48	0.01	0.00
3.05	2.00	0.00	8.48	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	2.00	0.00	8.47	0.01	0.00	3.08	2.00	0.00	8.46	0.01	0.00
3.09	2.00	0.00	8.46	0.01	0.00	3.10	2.00	0.00	8.45	0.01	0.00
3.11	2.00	0.00	8.45	0.01	0.00	3.12	2.00	0.00	8.44	0.01	0.00
3.13	2.00	0.00	8.44	0.01	0.00	3.14	2.00	0.00	8.43	0.01	0.00
3.15	2.00	0.00	8.43	0.01	0.00	3.16	2.00	0.00	8.42	0.01	0.00
3.17	2.00	0.00	8.41	0.01	0.00	3.18	2.00	0.00	8.41	0.01	0.00
3.19	2.00	0.00	8.41	0.01	0.00	3.20	2.00	0.00	8.40	0.01	0.00
3.21	2.00	0.00	8.40	0.01	0.00	3.22	2.00	0.00	8.39	0.01	0.00
3.23	2.00	0.00	8.39	0.01	0.00	3.24	2.00	0.00	8.38	0.01	0.00
3.25	2.00	0.00	8.38	0.01	0.00	3.26	2.00	0.00	8.37	0.01	0.00
3.27	2.00	0.00	8.37	0.01	0.00	3.28	2.00	0.00	8.36	0.01	0.00
3.29	2.00	0.00	8.36	0.01	0.00	3.30	2.00	0.00	8.35	0.01	0.00
3.31	2.00	0.00	8.35	0.01	0.00	3.32	2.00	0.00	8.34	0.01	0.00
3.33	2.00	0.00	8.34	0.01	0.00	3.34	2.00	0.00	8.33	0.01	0.00
3.35	2.00	0.00	8.32	0.01	0.00	3.36	2.00	0.00	8.32	0.01	0.00
3.37	2.00	0.00	8.32	0.01	0.00	3.38	2.00	0.00	8.31	0.01	0.00
3.39	2.00	0.00	8.31	0.01	0.00	3.40	0.32	0.68	8.30	0.01	0.06
3.41	0.32	0.68	8.30	0.01	0.06	3.42	0.32	0.68	8.29	0.01	0.06
3.43	2.00	0.00	8.29	0.01	0.00	3.44	2.00	0.00	8.28	0.01	0.00
3.45	2.00	0.00	8.28	0.01	0.00	3.46	2.00	0.00	8.27	0.01	0.00
3.47	2.00	0.00	8.27	0.01	0.00	3.48	2.00	0.00	8.26	0.01	0.00
3.49	2.00	0.00	8.26	0.01	0.00	3.50	2.00	0.00	8.25	0.01	0.00
3.51	2.00	0.00	8.24	0.01	0.00	3.52	2.00	0.00	8.24	0.01	0.00
3.53	2.00	0.00	8.24	0.01	0.00	3.54	2.00	0.00	8.23	0.01	0.00
3.55	2.00	0.00	8.23	0.01	0.00	3.56	2.00	0.00	8.22	0.01	0.00
3.57	2.00	0.00	8.22	0.01	0.00	3.58	2.00	0.00	8.21	0.01	0.00
3.59	2.00	0.00	8.21	0.01	0.00	3.60	2.00	0.00	8.20	0.01	0.00
3.61	2.00	0.00	8.20	0.01	0.00	3.62	2.00	0.00	8.19	0.01	0.00
3.63	2.00	0.00	8.19	0.01	0.00	3.64	2.00	0.00	8.18	0.01	0.00
3.65	2.00	0.00	8.18	0.01	0.00	3.66	2.00	0.00	8.17	0.01	0.00
3.67	2.00	0.00	8.16	0.01	0.00	3.68	2.00	0.00	8.16	0.01	0.00
3.69	2.00	0.00	8.16	0.01	0.00	3.70	2.00	0.00	8.15	0.01	0.00
3.71	2.00	0.00	8.15	0.01	0.00	3.72	2.00	0.00	8.14	0.01	0.00
3.73	2.00	0.00	8.14	0.01	0.00	3.74	2.00	0.00	8.13	0.01	0.00
3.75	2.00	0.00	8.13	0.01	0.00	3.76	2.00	0.00	8.12	0.01	0.00
3.77	2.00	0.00	8.12	0.01	0.00	3.78	2.00	0.00	8.11	0.01	0.00
3.79	2.00	0.00	8.11	0.01	0.00	3.80	2.00	0.00	8.10	0.01	0.00
3.81	2.00	0.00	8.10	0.01	0.00	3.82	2.00	0.00	8.09	0.01	0.00
3.83	2.00	0.00	8.09	0.01	0.00	3.84	2.00	0.00	8.08	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	8.07	0.01	0.00	3.86	2.00	0.00	8.07	0.01	0.00
3.87	2.00	0.00	8.07	0.01	0.00	3.88	2.00	0.00	8.06	0.01	0.00
3.89	2.00	0.00	8.06	0.01	0.00	3.90	2.00	0.00	8.05	0.01	0.00
3.91	2.00	0.00	8.05	0.01	0.00	3.92	2.00	0.00	8.04	0.01	0.00
3.93	2.00	0.00	8.04	0.01	0.00	3.94	2.00	0.00	8.03	0.01	0.00
3.95	2.00	0.00	8.03	0.01	0.00	3.96	2.00	0.00	8.02	0.01	0.00
3.97	2.00	0.00	8.02	0.01	0.00	3.98	2.00	0.00	8.01	0.01	0.00
3.99	2.00	0.00	8.01	0.01	0.00	4.00	2.00	0.00	8.00	0.01	0.00
4.01	2.00	0.00	8.00	0.01	0.00	4.02	2.00	0.00	7.99	0.01	0.00
4.03	2.00	0.00	7.99	0.01	0.00	4.04	2.00	0.00	7.98	0.01	0.00
4.05	2.00	0.00	7.98	0.01	0.00	4.06	2.00	0.00	7.97	0.01	0.00
4.07	2.00	0.00	7.97	0.01	0.00	4.08	2.00	0.00	7.96	0.01	0.00
4.09	2.00	0.00	7.96	0.01	0.00	4.10	2.00	0.00	7.95	0.01	0.00
4.11	2.00	0.00	7.95	0.01	0.00	4.12	2.00	0.00	7.94	0.01	0.00
4.13	2.00	0.00	7.94	0.01	0.00	4.14	2.00	0.00	7.93	0.01	0.00
4.15	2.00	0.00	7.93	0.01	0.00	4.16	2.00	0.00	7.92	0.01	0.00
4.17	2.00	0.00	7.92	0.01	0.00	4.18	2.00	0.00	7.91	0.01	0.00
4.19	2.00	0.00	7.91	0.01	0.00	4.20	2.00	0.00	7.90	0.01	0.00
4.21	2.00	0.00	7.90	0.01	0.00	4.22	2.00	0.00	7.89	0.01	0.00
4.23	2.00	0.00	7.89	0.01	0.00	4.24	2.00	0.00	7.88	0.01	0.00
4.25	2.00	0.00	7.88	0.01	0.00	4.26	2.00	0.00	7.87	0.01	0.00
4.27	2.00	0.00	7.87	0.01	0.00	4.28	2.00	0.00	7.86	0.01	0.00
4.29	2.00	0.00	7.86	0.01	0.00	4.30	2.00	0.00	7.85	0.01	0.00
4.31	2.00	0.00	7.85	0.01	0.00	4.32	2.00	0.00	7.84	0.01	0.00
4.33	2.00	0.00	7.84	0.01	0.00	4.34	2.00	0.00	7.83	0.01	0.00
4.35	2.00	0.00	7.83	0.01	0.00	4.36	2.00	0.00	7.82	0.01	0.00
4.37	2.00	0.00	7.82	0.01	0.00	4.38	2.00	0.00	7.81	0.01	0.00
4.39	2.00	0.00	7.81	0.01	0.00	4.40	2.00	0.00	7.80	0.01	0.00
4.41	2.00	0.00	7.80	0.01	0.00	4.42	2.00	0.00	7.79	0.01	0.00
4.43	2.00	0.00	7.79	0.01	0.00	4.44	2.00	0.00	7.78	0.01	0.00
4.45	2.00	0.00	7.78	0.01	0.00	4.46	2.00	0.00	7.77	0.01	0.00
4.47	2.00	0.00	7.77	0.01	0.00	4.48	2.00	0.00	7.76	0.01	0.00
4.49	2.00	0.00	7.76	0.01	0.00	4.50	2.00	0.00	7.75	0.01	0.00
4.51	2.00	0.00	7.75	0.01	0.00	4.52	2.00	0.00	7.74	0.01	0.00
4.53	2.00	0.00	7.74	0.01	0.00	4.54	2.00	0.00	7.73	0.01	0.00
4.55	2.00	0.00	7.73	0.01	0.00	4.56	2.00	0.00	7.72	0.01	0.00
4.57	2.00	0.00	7.72	0.01	0.00	4.58	2.00	0.00	7.71	0.01	0.00
4.59	0.27	0.73	7.71	0.01	0.06	4.60	0.28	0.72	7.70	0.01	0.06
4.61	0.28	0.72	7.70	0.01	0.06	4.62	0.29	0.71	7.69	0.01	0.05
4.63	0.29	0.71	7.69	0.01	0.05	4.64	0.29	0.71	7.68	0.01	0.05
4.65	0.29	0.71	7.68	0.01	0.05	4.66	0.29	0.71	7.67	0.01	0.05
4.67	0.29	0.71	7.67	0.01	0.05	4.68	0.28	0.72	7.66	0.01	0.05
4.69	0.28	0.72	7.66	0.01	0.05	4.70	0.29	0.71	7.65	0.01	0.05
4.71	0.29	0.71	7.65	0.01	0.05	4.72	0.29	0.71	7.64	0.01	0.05
4.73	0.29	0.71	7.64	0.01	0.05	4.74	0.29	0.71	7.63	0.01	0.05
4.75	0.30	0.70	7.63	0.01	0.05	4.76	0.30	0.70	7.62	0.01	0.05
4.77	0.30	0.70	7.62	0.01	0.05	4.78	0.30	0.70	7.61	0.01	0.05
4.79	0.29	0.71	7.61	0.01	0.05	4.80	0.29	0.71	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.29	0.71	7.60	0.01	0.05	4.82	0.29	0.71	7.59	0.01	0.05
4.83	0.29	0.71	7.59	0.01	0.05	4.84	0.29	0.71	7.58	0.01	0.05
4.85	0.29	0.71	7.58	0.01	0.05	4.86	0.29	0.71	7.57	0.01	0.05
4.87	0.28	0.72	7.57	0.01	0.05	4.88	0.28	0.72	7.56	0.01	0.05
4.89	0.28	0.72	7.56	0.01	0.05	4.90	0.28	0.72	7.55	0.01	0.05
4.91	0.28	0.72	7.55	0.01	0.05	4.92	0.27	0.73	7.54	0.01	0.06
4.93	0.26	0.74	7.54	0.01	0.06	4.94	0.26	0.74	7.53	0.01	0.06
4.95	0.26	0.74	7.53	0.01	0.06	4.96	0.26	0.74	7.52	0.01	0.06
4.97	0.26	0.74	7.52	0.01	0.06	4.98	0.26	0.74	7.51	0.01	0.06
4.99	0.26	0.74	7.51	0.01	0.06	5.00	0.26	0.74	7.50	0.01	0.06
5.01	0.26	0.74	7.50	0.01	0.06	5.02	0.26	0.74	7.49	0.01	0.06
5.03	0.26	0.74	7.49	0.01	0.06	5.04	0.26	0.74	7.48	0.01	0.06
5.05	0.26	0.74	7.48	0.01	0.06	5.06	0.26	0.74	7.47	0.01	0.05
5.07	0.27	0.73	7.47	0.01	0.05	5.08	0.27	0.73	7.46	0.01	0.05
5.09	0.27	0.73	7.46	0.01	0.05	5.10	0.27	0.73	7.45	0.01	0.05
5.11	0.28	0.72	7.45	0.01	0.05	5.12	0.28	0.72	7.44	0.01	0.05
5.13	0.28	0.72	7.44	0.01	0.05	5.14	0.29	0.71	7.43	0.01	0.05
5.15	0.28	0.72	7.43	0.01	0.05	5.16	0.29	0.71	7.42	0.01	0.05
5.17	0.29	0.71	7.42	0.01	0.05	5.18	0.29	0.71	7.41	0.01	0.05
5.19	0.29	0.71	7.41	0.01	0.05	5.20	0.29	0.71	7.40	0.01	0.05
5.21	0.29	0.71	7.40	0.01	0.05	5.22	0.29	0.71	7.39	0.01	0.05
5.23	0.29	0.71	7.39	0.01	0.05	5.24	0.29	0.71	7.38	0.01	0.05
5.25	0.30	0.70	7.38	0.01	0.05	5.26	0.30	0.70	7.37	0.01	0.05
5.27	0.30	0.70	7.37	0.01	0.05	5.28	0.30	0.70	7.36	0.01	0.05
5.29	0.31	0.69	7.36	0.01	0.05	5.30	0.30	0.70	7.35	0.01	0.05
5.31	0.30	0.70	7.35	0.01	0.05	5.32	0.30	0.70	7.34	0.01	0.05
5.33	0.30	0.70	7.34	0.01	0.05	5.34	0.30	0.70	7.33	0.01	0.05
5.35	0.30	0.70	7.33	0.01	0.05	5.36	0.31	0.69	7.32	0.01	0.05
5.37	0.31	0.69	7.32	0.01	0.05	5.38	0.31	0.69	7.31	0.01	0.05
5.39	0.32	0.68	7.31	0.01	0.05	5.40	0.32	0.68	7.30	0.01	0.05
5.41	0.32	0.68	7.30	0.01	0.05	5.42	0.31	0.69	7.29	0.01	0.05
5.43	0.31	0.69	7.29	0.01	0.05	5.44	0.31	0.69	7.28	0.01	0.05
5.45	0.31	0.69	7.28	0.01	0.05	5.46	0.31	0.69	7.27	0.01	0.05
5.47	0.31	0.69	7.27	0.01	0.05	5.48	0.31	0.69	7.26	0.01	0.05
5.49	0.30	0.70	7.26	0.01	0.05	5.50	0.30	0.70	7.25	0.01	0.05
5.51	0.30	0.70	7.25	0.01	0.05	5.52	0.30	0.70	7.24	0.01	0.05
5.53	0.30	0.70	7.24	0.01	0.05	5.54	0.31	0.69	7.23	0.01	0.05
5.55	0.31	0.69	7.23	0.01	0.05	5.56	0.31	0.69	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.30	0.70	7.21	0.01	0.05	5.60	0.30	0.70	7.20	0.01	0.05
5.61	0.30	0.70	7.20	0.01	0.05	5.62	0.30	0.70	7.19	0.01	0.05
5.63	0.30	0.70	7.19	0.01	0.05	5.64	0.30	0.70	7.18	0.01	0.05
5.65	0.30	0.70	7.18	0.01	0.05	5.66	0.30	0.70	7.17	0.01	0.05
5.67	0.30	0.70	7.17	0.01	0.05	5.68	0.30	0.70	7.16	0.01	0.05
5.69	0.30	0.70	7.16	0.01	0.05	5.70	0.30	0.70	7.15	0.01	0.05
5.71	0.30	0.70	7.15	0.01	0.05	5.72	0.30	0.70	7.14	0.01	0.05
5.73	0.31	0.69	7.14	0.01	0.05	5.74	0.31	0.69	7.13	0.01	0.05
5.75	0.33	0.67	7.13	0.01	0.05	5.76	0.33	0.67	7.12	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.34	0.66	7.12	0.01	0.05	5.78	0.36	0.64	7.11	0.01	0.05
5.79	0.34	0.66	7.11	0.01	0.05	5.80	0.35	0.65	7.10	0.01	0.05
5.81	0.33	0.67	7.10	0.01	0.05	5.82	0.32	0.68	7.09	0.01	0.05
5.83	0.32	0.68	7.09	0.01	0.05	5.84	0.33	0.67	7.08	0.01	0.05
5.85	0.34	0.66	7.08	0.01	0.05	5.86	0.34	0.66	7.07	0.01	0.05
5.87	0.35	0.65	7.07	0.01	0.05	5.88	0.36	0.64	7.06	0.01	0.05
5.89	0.38	0.62	7.06	0.01	0.04	5.90	0.39	0.61	7.05	0.01	0.04
5.91	0.39	0.61	7.05	0.01	0.04	5.92	0.36	0.64	7.04	0.01	0.04
5.93	0.37	0.63	7.04	0.01	0.04	5.94	0.32	0.68	7.03	0.01	0.05
5.95	0.32	0.68	7.03	0.01	0.05	5.96	0.31	0.69	7.02	0.01	0.05
5.97	0.30	0.70	7.02	0.01	0.05	5.98	0.29	0.71	7.01	0.01	0.05
5.99	0.28	0.72	7.01	0.01	0.05	6.00	0.28	0.72	7.00	0.01	0.05
6.01	0.28	0.72	7.00	0.01	0.05	6.02	0.27	0.73	6.99	0.01	0.05
6.03	0.27	0.73	6.99	0.01	0.05	6.04	0.27	0.73	6.98	0.01	0.05
6.05	0.27	0.73	6.98	0.01	0.05	6.06	0.27	0.73	6.97	0.01	0.05
6.07	0.27	0.73	6.97	0.01	0.05	6.08	0.27	0.73	6.96	0.01	0.05
6.09	0.27	0.73	6.96	0.01	0.05	6.10	0.27	0.73	6.95	0.01	0.05
6.11	0.27	0.73	6.95	0.01	0.05	6.12	0.27	0.73	6.94	0.01	0.05
6.13	0.27	0.73	6.94	0.01	0.05	6.14	0.28	0.72	6.93	0.01	0.05
6.15	0.29	0.71	6.93	0.01	0.05	6.16	0.31	0.69	6.92	0.01	0.05
6.17	0.32	0.68	6.92	0.01	0.05	6.18	0.33	0.67	6.91	0.01	0.05
6.19	0.33	0.67	6.91	0.01	0.05	6.20	0.34	0.66	6.90	0.01	0.05
6.21	0.34	0.66	6.90	0.01	0.05	6.22	0.34	0.66	6.89	0.01	0.05
6.23	0.34	0.66	6.89	0.01	0.05	6.24	0.35	0.65	6.88	0.01	0.04
6.25	0.33	0.67	6.88	0.01	0.05	6.26	0.35	0.65	6.87	0.01	0.04
6.27	0.32	0.68	6.87	0.01	0.05	6.28	0.33	0.67	6.86	0.01	0.05
6.29	0.33	0.67	6.86	0.01	0.05	6.30	0.36	0.64	6.85	0.01	0.04
6.31	0.37	0.63	6.85	0.01	0.04	6.32	0.37	0.63	6.84	0.01	0.04
6.33	0.37	0.63	6.84	0.01	0.04	6.34	0.36	0.64	6.83	0.01	0.04
6.35	0.34	0.66	6.83	0.01	0.04	6.36	0.34	0.66	6.82	0.01	0.05
6.37	0.32	0.68	6.82	0.01	0.05	6.38	0.32	0.68	6.81	0.01	0.05
6.39	0.33	0.67	6.81	0.01	0.05	6.40	0.34	0.66	6.80	0.01	0.04
6.41	0.35	0.65	6.80	0.01	0.04	6.42	0.36	0.64	6.79	0.01	0.04
6.43	0.36	0.64	6.79	0.01	0.04	6.44	0.35	0.65	6.78	0.01	0.04
6.45	0.36	0.64	6.78	0.01	0.04	6.46	0.36	0.64	6.77	0.01	0.04
6.47	0.36	0.64	6.77	0.01	0.04	6.48	0.36	0.64	6.76	0.01	0.04
6.49	0.36	0.64	6.76	0.01	0.04	6.50	0.35	0.65	6.75	0.01	0.04
6.51	0.35	0.65	6.75	0.01	0.04	6.52	0.35	0.65	6.74	0.01	0.04
6.53	0.35	0.65	6.74	0.01	0.04	6.54	0.34	0.66	6.73	0.01	0.04
6.55	0.34	0.66	6.73	0.01	0.04	6.56	0.33	0.67	6.72	0.01	0.04
6.57	0.33	0.67	6.72	0.01	0.05	6.58	0.33	0.67	6.71	0.01	0.04
6.59	0.33	0.67	6.71	0.01	0.05	6.60	0.32	0.68	6.70	0.01	0.05
6.61	0.31	0.69	6.70	0.01	0.05	6.62	0.31	0.69	6.69	0.01	0.05
6.63	0.30	0.70	6.69	0.01	0.05	6.64	0.30	0.70	6.68	0.01	0.05
6.65	0.29	0.71	6.68	0.01	0.05	6.66	0.28	0.72	6.67	0.01	0.05
6.67	0.27	0.73	6.67	0.01	0.05	6.68	0.26	0.74	6.66	0.01	0.05
6.69	0.26	0.74	6.66	0.01	0.05	6.70	0.26	0.74	6.65	0.01	0.05
6.71	0.27	0.73	6.65	0.01	0.05	6.72	0.27	0.73	6.64	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.28	0.72	6.64	0.01	0.05	6.74	0.28	0.72	6.63	0.01	0.05
6.75	0.28	0.72	6.63	0.01	0.05	6.76	0.28	0.72	6.62	0.01	0.05
6.77	0.28	0.72	6.62	0.01	0.05	6.78	0.28	0.72	6.61	0.01	0.05
6.79	0.28	0.72	6.61	0.01	0.05	6.80	0.28	0.72	6.60	0.01	0.05
6.81	0.27	0.73	6.60	0.01	0.05	6.82	0.27	0.73	6.59	0.01	0.05
6.83	0.27	0.73	6.59	0.01	0.05	6.84	0.26	0.74	6.58	0.01	0.05
6.85	0.26	0.74	6.58	0.01	0.05	6.86	0.25	0.75	6.57	0.01	0.05
6.87	0.25	0.75	6.57	0.01	0.05	6.88	0.25	0.75	6.56	0.01	0.05
6.89	0.26	0.74	6.56	0.01	0.05	6.90	0.27	0.73	6.55	0.01	0.05
6.91	0.28	0.72	6.55	0.01	0.05	6.92	0.29	0.71	6.54	0.01	0.05
6.93	0.27	0.73	6.54	0.01	0.05	6.94	0.28	0.72	6.53	0.01	0.05
6.95	0.28	0.72	6.53	0.01	0.05	6.96	0.28	0.72	6.52	0.01	0.05
6.97	0.29	0.71	6.52	0.01	0.05	6.98	0.29	0.71	6.51	0.01	0.05
6.99	0.29	0.71	6.51	0.01	0.05	7.00	0.30	0.70	6.50	0.01	0.05
7.01	0.31	0.69	6.50	0.01	0.04	7.02	0.31	0.69	6.49	0.01	0.04
7.03	0.31	0.69	6.49	0.01	0.04	7.04	0.31	0.69	6.48	0.01	0.04
7.05	0.31	0.69	6.48	0.01	0.04	7.06	0.30	0.70	6.47	0.01	0.05
7.07	0.30	0.70	6.47	0.01	0.05	7.08	0.30	0.70	6.46	0.01	0.05
7.09	0.29	0.71	6.46	0.01	0.05	7.10	0.29	0.71	6.45	0.01	0.05
7.11	0.28	0.72	6.45	0.01	0.05	7.12	0.28	0.72	6.44	0.01	0.05
7.13	0.27	0.73	6.44	0.01	0.05	7.14	0.26	0.74	6.43	0.01	0.05
7.15	0.26	0.74	6.43	0.01	0.05	7.16	0.26	0.74	6.42	0.01	0.05
7.17	0.26	0.74	6.42	0.01	0.05	7.18	0.26	0.74	6.41	0.01	0.05
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	0.25	0.75	6.16	0.01	0.05	7.70	0.26	0.74	6.15	0.01	0.05
7.71	0.26	0.74	6.15	0.01	0.05	7.72	0.27	0.73	6.14	0.01	0.04
7.73	0.28	0.72	6.14	0.01	0.04	7.74	0.27	0.73	6.13	0.01	0.04
7.75	0.27	0.73	6.13	0.01	0.04	7.76	0.27	0.73	6.12	0.01	0.04
7.77	0.27	0.73	6.12	0.01	0.04	7.78	0.26	0.74	6.11	0.01	0.04
7.79	0.27	0.73	6.11	0.01	0.04	7.80	0.28	0.72	6.10	0.01	0.04
7.81	0.28	0.72	6.10	0.01	0.04	7.82	0.27	0.73	6.09	0.01	0.04
7.83	0.27	0.73	6.09	0.01	0.04	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	0.27	0.73	5.89	0.01	0.04
8.23	0.29	0.71	5.89	0.01	0.04	8.24	0.29	0.71	5.88	0.01	0.04
8.25	0.29	0.71	5.88	0.01	0.04	8.26	0.28	0.72	5.87	0.01	0.04
8.27	0.28	0.72	5.87	0.01	0.04	8.28	0.27	0.73	5.86	0.01	0.04
8.29	0.26	0.74	5.86	0.01	0.04	8.30	0.25	0.75	5.85	0.01	0.04
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	0.28	0.72	4.34	0.01	0.03
11.33	0.29	0.71	4.34	0.01	0.03	11.34	0.29	0.71	4.33	0.01	0.03
11.35	0.30	0.70	4.33	0.01	0.03	11.36	0.30	0.70	4.32	0.01	0.03
11.37	0.30	0.70	4.32	0.01	0.03	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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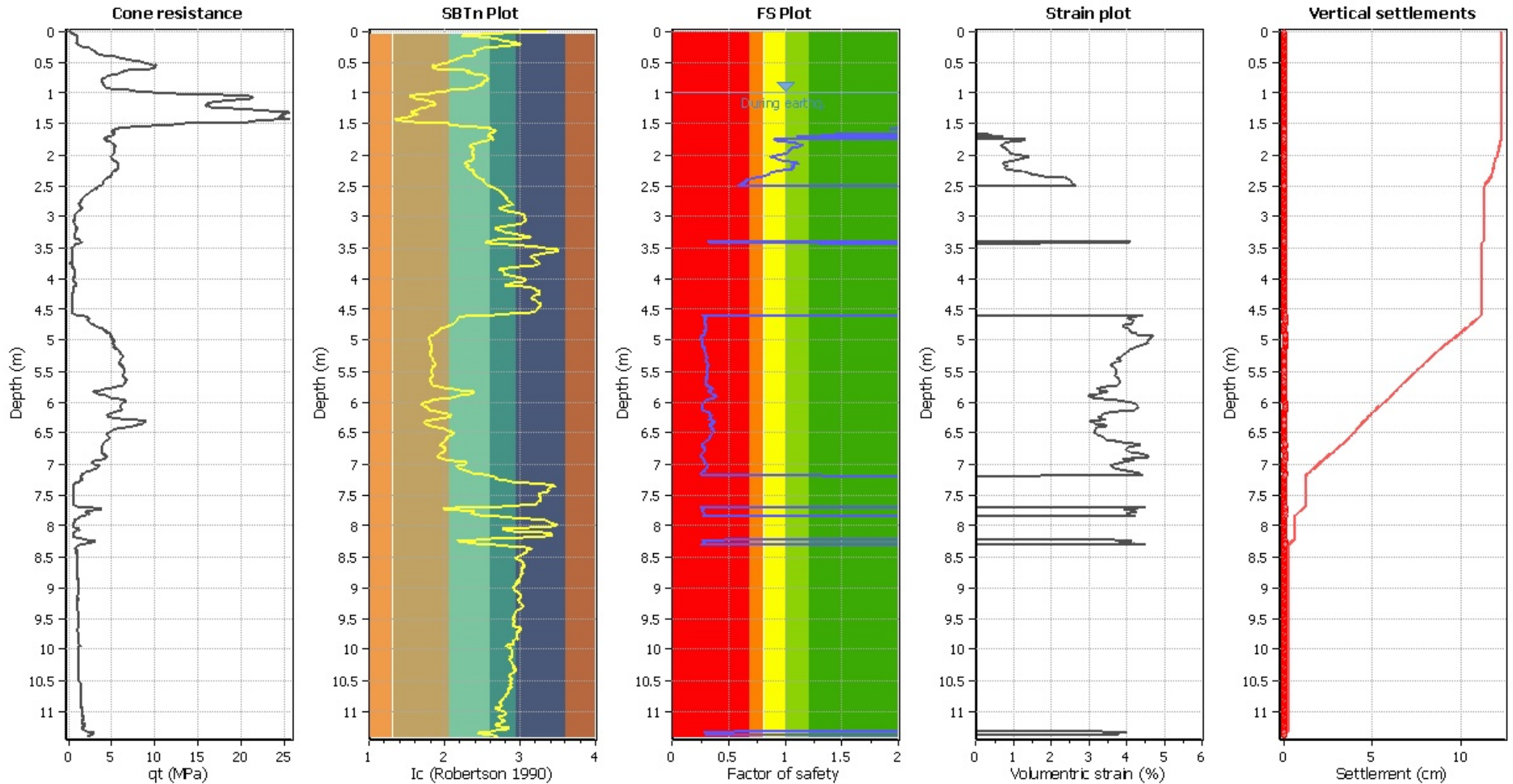
**Overall liquefaction potential: 14.90**

LPI = 0.00 - Liquefaction risk very low  
 LPI between 0.00 and 5.00 - Liquefaction risk low  
 LPI between 5.00 and 15.00 - Liquefaction risk high  
 LPI > 15.00 - Liquefaction risk very high

**Abbreviations**

FS: Calculated factor of safety for test point  
 $F_L$ : 1 - FS  
 $w_z$ : Function value of the extend of soil liquefaction according to depth  
 $d_z$ : Layer thickness (m)  
 LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	196.89	2.00	0.00	1.00	0.00	1.01	223.55	2.00	0.00	1.00	0.00
1.02	229.49	2.00	0.00	1.00	0.00	1.03	254.00	2.00	0.00	1.00	0.00
1.04	254.00	2.00	0.00	1.00	0.00	1.05	254.00	2.00	0.00	1.00	0.00
1.06	254.00	2.00	0.00	1.00	0.00	1.07	254.00	2.00	0.00	1.00	0.00
1.08	254.00	2.00	0.00	1.00	0.00	1.09	254.00	2.00	0.00	1.00	0.00
1.10	254.00	2.00	0.00	1.00	0.00	1.11	254.00	2.00	0.00	1.00	0.00
1.12	254.00	2.00	0.00	1.00	0.00	1.13	254.00	2.00	0.00	1.00	0.00
1.14	254.00	2.00	0.00	1.00	0.00	1.15	254.00	2.00	0.00	1.00	0.00
1.16	254.00	2.00	0.00	1.00	0.00	1.17	254.00	2.00	0.00	1.00	0.00
1.18	254.00	2.00	0.00	1.00	0.00	1.19	253.81	2.00	0.00	1.00	0.00
1.20	245.57	2.00	0.00	1.00	0.00	1.21	239.76	2.00	0.00	1.00	0.00
1.22	243.92	2.00	0.00	1.00	0.00	1.23	246.05	2.00	0.00	1.00	0.00
1.24	250.63	2.00	0.00	1.00	0.00	1.25	254.00	2.00	0.00	1.00	0.00
1.26	254.00	2.00	0.00	1.00	0.00	1.27	254.00	2.00	0.00	1.00	0.00
1.28	254.00	2.00	0.00	1.00	0.00	1.29	254.00	2.00	0.00	1.00	0.00
1.30	254.00	2.00	0.00	1.00	0.00	1.31	254.00	2.00	0.00	1.00	0.00
1.32	254.00	2.00	0.00	1.00	0.00	1.33	254.00	2.00	0.00	1.00	0.00
1.34	254.00	2.00	0.00	1.00	0.00	1.35	254.00	2.00	0.00	1.00	0.00
1.36	254.00	2.00	0.00	1.00	0.00	1.37	254.00	2.00	0.00	1.00	0.00
1.38	254.00	2.00	0.00	1.00	0.00	1.39	254.00	2.00	0.00	1.00	0.00
1.40	254.00	2.00	0.00	1.00	0.00	1.41	254.00	2.00	0.00	1.00	0.00
1.42	254.00	2.00	0.00	1.00	0.00	1.43	254.00	2.00	0.00	1.00	0.00
1.44	254.00	2.00	0.00	1.00	0.00	1.45	254.00	2.00	0.00	1.00	0.00
1.46	254.00	2.00	0.00	1.00	0.00	1.47	254.00	2.00	0.00	1.00	0.00
1.48	254.00	2.00	0.00	1.00	0.00	1.49	250.19	2.00	0.00	1.00	0.00
1.50	254.00	2.00	0.00	1.00	0.00	1.51	224.00	2.00	0.00	1.00	0.00
1.52	225.85	2.00	0.00	1.00	0.00	1.53	199.08	2.00	0.00	1.00	0.00
1.54	199.13	2.00	0.00	1.00	0.00	1.55	173.72	2.00	0.00	1.00	0.00
1.56	168.02	2.00	0.00	1.00	0.00	1.57	168.62	2.00	0.00	1.00	0.00
1.58	163.81	1.92	0.03	1.00	0.00	1.59	86.26	2.00	0.00	1.00	0.00
1.60	80.57	2.00	0.00	1.00	0.00	1.61	80.22	2.00	0.00	1.00	0.00
1.62	80.86	2.00	0.00	1.00	0.00	1.63	80.34	2.00	0.00	1.00	0.00
1.64	81.39	2.00	0.00	1.00	0.00	1.65	82.26	2.00	0.00	1.00	0.00
1.66	155.85	1.46	0.30	1.00	0.00	1.67	155.08	1.42	0.33	1.00	0.00
1.68	154.34	1.39	0.36	1.00	0.00	1.69	150.61	1.25	0.52	1.00	0.01
1.70	146.33	1.11	0.72	1.00	0.01	1.71	72.20	2.00	0.00	1.00	0.00
1.72	68.55	2.00	0.00	1.00	0.00	1.73	67.19	2.00	0.00	1.00	0.00
1.74	66.80	2.00	0.00	1.00	0.00	1.75	138.17	0.90	1.30	1.00	0.01
1.76	139.36	0.93	1.20	1.00	0.01	1.77	142.02	0.98	1.01	1.00	0.01
1.78	142.60	1.00	0.97	1.00	0.01	1.79	143.80	1.02	0.90	1.00	0.01
1.80	146.46	1.09	0.75	1.00	0.01	1.81	146.77	1.10	0.74	1.00	0.01
1.82	146.66	1.09	0.75	1.00	0.01	1.83	146.63	1.09	0.75	1.00	0.01
1.84	148.75	1.15	0.65	1.00	0.01	1.85	148.34	1.14	0.67	1.00	0.01
1.86	147.83	1.12	0.70	1.00	0.01	1.87	148.31	1.13	0.68	1.00	0.01
1.88	146.90	1.09	0.75	1.00	0.01	1.89	145.80	1.06	0.82	1.00	0.01
1.90	145.93	1.06	0.81	1.00	0.01	1.91	145.89	1.06	0.82	1.00	0.01
1.92	145.46	1.04	0.85	1.00	0.01	1.93	145.58	1.04	0.84	1.00	0.01
1.94	145.09	1.03	0.88	1.00	0.01	1.95	145.05	1.03	0.88	1.00	0.01

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	144.93	1.02	0.89	1.00	0.01	1.97	145.09	1.02	0.89	1.00	0.01
1.98	144.78	1.02	0.91	1.00	0.01	1.99	143.42	0.98	1.00	1.00	0.01
2.00	142.75	0.96	1.06	1.00	0.01	2.01	141.09	0.92	1.19	1.00	0.01
2.02	138.68	0.87	1.41	1.00	0.01	2.03	138.62	0.87	1.42	1.00	0.01
2.04	139.40	0.88	1.35	1.00	0.01	2.05	140.44	0.90	1.26	1.00	0.01
2.06	141.54	0.93	1.17	1.00	0.01	2.07	141.74	0.93	1.16	1.00	0.01
2.08	143.35	0.97	1.04	1.00	0.01	2.09	143.57	0.97	1.03	1.00	0.01
2.10	144.95	1.00	0.94	1.00	0.01	2.11	146.38	1.04	0.85	1.00	0.01
2.12	146.79	1.05	0.83	1.00	0.01	2.13	148.81	1.10	0.72	1.00	0.01
2.14	149.41	1.12	0.69	1.00	0.01	2.15	148.57	1.09	0.74	1.00	0.01
2.16	147.82	1.07	0.78	1.00	0.01	2.17	147.06	1.05	0.83	1.00	0.01
2.18	147.52	1.06	0.80	1.00	0.01	2.19	148.14	1.08	0.77	1.00	0.01
2.20	148.07	1.07	0.78	1.00	0.01	2.21	148.01	1.07	0.78	1.00	0.01
2.22	147.34	1.05	0.82	1.00	0.01	2.23	147.60	1.05	0.81	1.00	0.01
2.24	146.27	1.02	0.89	1.00	0.01	2.25	145.31	0.99	0.96	1.00	0.01
2.26	143.85	0.96	1.06	1.00	0.01	2.27	141.84	0.91	1.23	1.00	0.01
2.28	141.58	0.90	1.25	1.00	0.01	2.29	140.25	0.87	1.38	1.00	0.01
2.30	139.40	0.86	1.47	1.00	0.01	2.31	139.29	0.85	1.49	1.00	0.01
2.32	139.74	0.86	1.44	1.00	0.01	2.33	137.53	0.82	1.70	1.00	0.02
2.34	137.31	0.81	1.74	1.00	0.02	2.35	136.36	0.80	1.87	1.00	0.02
2.36	135.85	0.79	1.96	1.00	0.02	2.37	133.68	0.75	2.36	1.00	0.02
2.38	130.98	0.71	2.41	1.00	0.02	2.39	129.95	0.70	2.44	1.00	0.02
2.40	128.42	0.67	2.47	1.00	0.02	2.41	126.64	0.65	2.51	1.00	0.03
2.42	126.74	0.65	2.50	1.00	0.03	2.43	126.02	0.64	2.52	1.00	0.03
2.44	125.82	0.64	2.52	1.00	0.03	2.45	125.52	0.64	2.53	1.00	0.03
2.46	124.25	0.62	2.56	1.00	0.03	2.47	123.69	0.61	2.57	1.00	0.03
2.48	122.45	0.60	2.60	1.00	0.03	2.49	121.41	0.59	2.62	1.00	0.03
2.50	119.93	0.58	2.66	1.00	0.03	2.51	51.38	2.00	0.00	1.00	0.00
2.52	50.66	2.00	0.00	1.00	0.00	2.53	49.15	2.00	0.00	1.00	0.00
2.54	47.77	2.00	0.00	1.00	0.00	2.55	44.51	2.00	0.00	1.00	0.00
2.56	41.90	2.00	0.00	1.00	0.00	2.57	40.90	2.00	0.00	1.00	0.00
2.58	39.21	2.00	0.00	1.00	0.00	2.59	38.77	2.00	0.00	1.00	0.00
2.60	36.84	2.00	0.00	1.00	0.00	2.61	36.13	2.00	0.00	1.00	0.00
2.62	34.32	2.00	0.00	1.00	0.00	2.63	33.74	2.00	0.00	1.00	0.00
2.64	32.45	2.00	0.00	1.00	0.00	2.65	30.89	2.00	0.00	1.00	0.00
2.66	29.88	2.00	0.00	1.00	0.00	2.67	28.04	2.00	0.00	1.00	0.00
2.68	27.30	2.00	0.00	1.00	0.00	2.69	25.58	2.00	0.00	1.00	0.00
2.70	24.71	2.00	0.00	1.00	0.00	2.71	24.69	2.00	0.00	1.00	0.00
2.72	24.11	2.00	0.00	1.00	0.00	2.73	23.37	2.00	0.00	1.00	0.00
2.74	22.35	2.00	0.00	1.00	0.00	2.75	21.76	2.00	0.00	1.00	0.00
2.76	20.87	2.00	0.00	1.00	0.00	2.77	20.13	2.00	0.00	1.00	0.00
2.78	19.53	2.00	0.00	1.00	0.00	2.79	19.23	2.00	0.00	1.00	0.00
2.80	19.07	2.00	0.00	1.00	0.00	2.81	18.91	2.00	0.00	1.00	0.00
2.82	19.76	2.00	0.00	1.00	0.00	2.83	21.90	2.00	0.00	1.00	0.00
2.84	22.89	2.00	0.00	1.00	0.00	2.85	23.72	2.00	0.00	1.00	0.00
2.86	23.71	2.00	0.00	1.00	0.00	2.87	22.84	2.00	0.00	1.00	0.00
2.88	21.40	2.00	0.00	1.00	0.00	2.89	20.23	2.00	0.00	1.00	0.00
2.90	18.93	2.00	0.00	1.00	0.00	2.91	18.90	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	18.88	2.00	0.00	1.00	0.00	2.93	14.53	2.00	0.00	1.00	0.00
2.94	13.63	2.00	0.00	1.00	0.00	2.95	12.89	2.00	0.00	1.00	0.00
2.96	12.44	2.00	0.00	1.00	0.00	2.97	11.55	2.00	0.00	1.00	0.00
2.98	11.39	2.00	0.00	1.00	0.00	2.99	11.38	2.00	0.00	1.00	0.00
3.00	11.37	2.00	0.00	1.00	0.00	3.01	11.22	2.00	0.00	1.00	0.00
3.02	10.92	2.00	0.00	1.00	0.00	3.03	10.61	2.00	0.00	1.00	0.00
3.04	10.46	2.00	0.00	1.00	0.00	3.05	10.01	2.00	0.00	1.00	0.00
3.06	10.00	2.00	0.00	1.00	0.00	3.07	9.99	2.00	0.00	1.00	0.00
3.08	9.84	2.00	0.00	1.00	0.00	3.09	9.83	2.00	0.00	1.00	0.00
3.10	9.97	2.00	0.00	1.00	0.00	3.11	10.11	2.00	0.00	1.00	0.00
3.12	10.25	2.00	0.00	1.00	0.00	3.13	10.54	2.00	0.00	1.00	0.00
3.14	12.14	2.00	0.00	1.00	0.00	3.15	13.16	2.00	0.00	1.00	0.00
3.16	13.88	2.00	0.00	1.00	0.00	3.17	14.74	2.00	0.00	1.00	0.00
3.18	14.89	2.00	0.00	1.00	0.00	3.19	15.02	2.00	0.00	1.00	0.00
3.20	14.87	2.00	0.00	1.00	0.00	3.21	14.56	2.00	0.00	1.00	0.00
3.22	14.54	2.00	0.00	1.00	0.00	3.23	14.10	2.00	0.00	1.00	0.00
3.24	13.65	2.00	0.00	1.00	0.00	3.25	12.77	2.00	0.00	1.00	0.00
3.26	12.47	2.00	0.00	1.00	0.00	3.27	12.16	2.00	0.00	1.00	0.00
3.28	11.86	2.00	0.00	1.00	0.00	3.29	11.13	2.00	0.00	1.00	0.00
3.30	10.83	2.00	0.00	1.00	0.00	3.31	10.68	2.00	0.00	1.00	0.00
3.32	10.24	2.00	0.00	1.00	0.00	3.33	10.09	2.00	0.00	1.00	0.00
3.34	9.79	2.00	0.00	1.00	0.00	3.35	11.22	2.00	0.00	1.00	0.00
3.36	13.07	2.00	0.00	1.00	0.00	3.37	15.49	2.00	0.00	1.00	0.00
3.38	19.14	2.00	0.00	1.00	0.00	3.39	20.82	2.00	0.00	1.00	0.00
3.40	78.22	0.32	4.10	1.00	0.04	3.41	78.64	0.32	4.08	1.00	0.04
3.42	78.31	0.32	4.09	1.00	0.04	3.43	20.34	2.00	0.00	1.00	0.00
3.44	15.15	2.00	0.00	1.00	0.00	3.45	13.57	2.00	0.00	1.00	0.00
3.46	12.41	2.00	0.00	1.00	0.00	3.47	9.26	2.00	0.00	1.00	0.00
3.48	8.54	2.00	0.00	1.00	0.00	3.49	7.95	2.00	0.00	1.00	0.00
3.50	6.50	2.00	0.00	1.00	0.00	3.51	5.92	2.00	0.00	1.00	0.00
3.52	5.62	2.00	0.00	1.00	0.00	3.53	5.33	2.00	0.00	1.00	0.00
3.54	5.32	2.00	0.00	1.00	0.00	3.55	5.32	2.00	0.00	1.00	0.00
3.56	5.31	2.00	0.00	1.00	0.00	3.57	5.45	2.00	0.00	1.00	0.00
3.58	5.60	2.00	0.00	1.00	0.00	3.59	5.88	2.00	0.00	1.00	0.00
3.60	6.17	2.00	0.00	1.00	0.00	3.61	6.16	2.00	0.00	1.00	0.00
3.62	6.16	2.00	0.00	1.00	0.00	3.63	6.30	2.00	0.00	1.00	0.00
3.64	6.15	2.00	0.00	1.00	0.00	3.65	6.00	2.00	0.00	1.00	0.00
3.66	5.71	2.00	0.00	1.00	0.00	3.67	5.56	2.00	0.00	1.00	0.00
3.68	5.42	2.00	0.00	1.00	0.00	3.69	5.41	2.00	0.00	1.00	0.00
3.70	5.27	2.00	0.00	1.00	0.00	3.71	5.12	2.00	0.00	1.00	0.00
3.72	4.97	2.00	0.00	1.00	0.00	3.73	4.82	2.00	0.00	1.00	0.00
3.74	4.82	2.00	0.00	1.00	0.00	3.75	4.68	2.00	0.00	1.00	0.00
3.76	4.67	2.00	0.00	1.00	0.00	3.77	4.81	2.00	0.00	1.00	0.00
3.78	4.96	2.00	0.00	1.00	0.00	3.79	5.81	2.00	0.00	1.00	0.00
3.80	6.24	2.00	0.00	1.00	0.00	3.81	7.09	2.00	0.00	1.00	0.00
3.82	7.94	2.00	0.00	1.00	0.00	3.83	9.50	2.00	0.00	1.00	0.00
3.84	10.77	2.00	0.00	1.00	0.00	3.85	11.46	2.00	0.00	1.00	0.00
3.86	10.47	2.00	0.00	1.00	0.00	3.87	10.74	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	11.85	2.00	0.00	1.00	0.00	3.89	11.42	2.00	0.00	1.00	0.00
3.90	11.27	2.00	0.00	1.00	0.00	3.91	11.27	2.00	0.00	1.00	0.00
3.92	11.26	2.00	0.00	1.00	0.00	3.93	11.53	2.00	0.00	1.00	0.00
3.94	11.38	2.00	0.00	1.00	0.00	3.95	10.81	2.00	0.00	1.00	0.00
3.96	10.52	2.00	0.00	1.00	0.00	3.97	9.81	2.00	0.00	1.00	0.00
3.98	9.67	2.00	0.00	1.00	0.00	3.99	9.38	2.00	0.00	1.00	0.00
4.00	8.82	2.00	0.00	1.00	0.00	4.01	9.09	2.00	0.00	1.00	0.00
4.02	8.95	2.00	0.00	1.00	0.00	4.03	8.94	2.00	0.00	1.00	0.00
4.04	8.93	2.00	0.00	1.00	0.00	4.05	9.76	2.00	0.00	1.00	0.00
4.06	10.31	2.00	0.00	1.00	0.00	4.07	11.27	2.00	0.00	1.00	0.00
4.08	12.22	2.00	0.00	1.00	0.00	4.09	11.94	2.00	0.00	1.00	0.00
4.10	12.62	2.00	0.00	1.00	0.00	4.11	13.57	2.00	0.00	1.00	0.00
4.12	11.23	2.00	0.00	1.00	0.00	4.13	9.02	2.00	0.00	1.00	0.00
4.14	8.04	2.00	0.00	1.00	0.00	4.15	7.90	2.00	0.00	1.00	0.00
4.16	7.90	2.00	0.00	1.00	0.00	4.17	7.61	2.00	0.00	1.00	0.00
4.18	7.33	2.00	0.00	1.00	0.00	4.19	7.05	2.00	0.00	1.00	0.00
4.20	6.77	2.00	0.00	1.00	0.00	4.21	6.90	2.00	0.00	1.00	0.00
4.22	7.03	2.00	0.00	1.00	0.00	4.23	6.75	2.00	0.00	1.00	0.00
4.24	6.89	2.00	0.00	1.00	0.00	4.25	6.74	2.00	0.00	1.00	0.00
4.26	6.60	2.00	0.00	1.00	0.00	4.27	6.60	2.00	0.00	1.00	0.00
4.28	6.59	2.00	0.00	1.00	0.00	4.29	6.59	2.00	0.00	1.00	0.00
4.30	6.72	2.00	0.00	1.00	0.00	4.31	6.72	2.00	0.00	1.00	0.00
4.32	6.58	2.00	0.00	1.00	0.00	4.33	6.57	2.00	0.00	1.00	0.00
4.34	6.43	2.00	0.00	1.00	0.00	4.35	6.15	2.00	0.00	1.00	0.00
4.36	6.01	2.00	0.00	1.00	0.00	4.37	6.01	2.00	0.00	1.00	0.00
4.38	5.73	2.00	0.00	1.00	0.00	4.39	5.72	2.00	0.00	1.00	0.00
4.40	5.58	2.00	0.00	1.00	0.00	4.41	5.58	2.00	0.00	1.00	0.00
4.42	5.58	2.00	0.00	1.00	0.00	4.43	5.44	2.00	0.00	1.00	0.00
4.44	5.43	2.00	0.00	1.00	0.00	4.45	5.29	2.00	0.00	1.00	0.00
4.46	5.29	2.00	0.00	1.00	0.00	4.47	5.42	2.00	0.00	1.00	0.00
4.48	5.42	2.00	0.00	1.00	0.00	4.49	5.28	2.00	0.00	1.00	0.00
4.50	5.41	2.00	0.00	1.00	0.00	4.51	5.41	2.00	0.00	1.00	0.00
4.52	5.41	2.00	0.00	1.00	0.00	4.53	5.27	2.00	0.00	1.00	0.00
4.54	5.40	2.00	0.00	1.00	0.00	4.55	5.67	2.00	0.00	1.00	0.00
4.56	6.21	2.00	0.00	1.00	0.00	4.57	7.84	2.00	0.00	1.00	0.00
4.58	11.10	2.00	0.00	1.00	0.00	4.59	72.29	0.27	4.41	1.00	0.04
4.60	73.53	0.28	4.34	1.00	0.04	4.61	74.83	0.28	4.27	1.00	0.04
4.62	78.53	0.29	4.08	1.00	0.04	4.63	78.90	0.29	4.06	1.00	0.04
4.64	79.83	0.29	4.02	1.00	0.04	4.65	79.06	0.29	4.05	1.00	0.04
4.66	78.47	0.29	4.08	1.00	0.04	4.67	77.19	0.29	4.15	1.00	0.04
4.68	76.65	0.28	4.18	1.00	0.04	4.69	76.10	0.28	4.21	1.00	0.04
4.70	76.80	0.29	4.17	1.00	0.04	4.71	77.23	0.29	4.15	1.00	0.04
4.72	77.11	0.29	4.15	1.00	0.04	4.73	79.95	0.29	4.01	1.00	0.04
4.74	80.21	0.29	4.00	1.00	0.04	4.75	82.03	0.30	3.91	1.00	0.04
4.76	82.30	0.30	3.90	1.00	0.04	4.77	81.68	0.30	3.93	1.00	0.04
4.78	82.63	0.30	3.89	1.00	0.04	4.79	80.51	0.29	3.98	1.00	0.04
4.80	80.65	0.29	3.98	1.00	0.04	4.81	79.34	0.29	4.04	1.00	0.04
4.82	78.65	0.29	4.08	1.00	0.04	4.83	79.07	0.29	4.05	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	78.79	0.29	4.07	1.00	0.04	4.85	77.96	0.29	4.11	1.00	0.04
4.86	77.97	0.29	4.11	1.00	0.04	4.87	76.55	0.28	4.18	1.00	0.04
4.88	76.03	0.28	4.21	1.00	0.04	4.89	75.04	0.28	4.26	1.00	0.04
4.90	75.14	0.28	4.26	1.00	0.04	4.91	74.84	0.28	4.27	1.00	0.04
4.92	71.80	0.27	4.44	1.00	0.04	4.93	67.80	0.26	4.69	1.00	0.05
4.94	67.83	0.26	4.68	1.00	0.05	4.95	68.22	0.26	4.66	1.00	0.05
4.96	68.47	0.26	4.64	1.00	0.05	4.97	68.63	0.26	4.63	1.00	0.05
4.98	68.73	0.26	4.63	1.00	0.05	4.99	69.05	0.26	4.61	1.00	0.05
5.00	69.57	0.26	4.58	1.00	0.05	5.01	69.95	0.26	4.55	1.00	0.05
5.02	70.37	0.26	4.53	1.00	0.05	5.03	69.92	0.26	4.55	1.00	0.05
5.04	69.76	0.26	4.56	1.00	0.05	5.05	69.87	0.26	4.56	1.00	0.05
5.06	70.56	0.26	4.52	1.00	0.05	5.07	71.43	0.27	4.46	1.00	0.04
5.08	72.77	0.27	4.39	1.00	0.04	5.09	73.66	0.27	4.34	1.00	0.04
5.10	74.44	0.27	4.29	1.00	0.04	5.11	75.84	0.28	4.22	1.00	0.04
5.12	76.88	0.28	4.16	1.00	0.04	5.13	77.68	0.28	4.12	1.00	0.04
5.14	78.59	0.29	4.08	1.00	0.04	5.15	78.44	0.28	4.09	1.00	0.04
5.16	79.06	0.29	4.05	1.00	0.04	5.17	78.96	0.29	4.06	1.00	0.04
5.18	79.81	0.29	4.02	1.00	0.04	5.19	79.97	0.29	4.01	1.00	0.04
5.20	80.18	0.29	4.00	1.00	0.04	5.21	80.53	0.29	3.98	1.00	0.04
5.22	80.83	0.29	3.97	1.00	0.04	5.23	81.60	0.29	3.93	1.00	0.04
5.24	82.08	0.29	3.91	1.00	0.04	5.25	82.73	0.30	3.88	1.00	0.04
5.26	83.76	0.30	3.83	1.00	0.04	5.27	84.86	0.30	3.79	1.00	0.04
5.28	85.14	0.30	3.77	1.00	0.04	5.29	85.75	0.31	3.75	1.00	0.04
5.30	85.32	0.30	3.77	1.00	0.04	5.31	83.87	0.30	3.83	1.00	0.04
5.32	83.53	0.30	3.84	1.00	0.04	5.33	83.50	0.30	3.85	1.00	0.04
5.34	83.93	0.30	3.83	1.00	0.04	5.35	85.00	0.30	3.78	1.00	0.04
5.36	86.15	0.31	3.73	1.00	0.04	5.37	87.86	0.31	3.66	1.00	0.04
5.38	88.88	0.31	3.62	1.00	0.04	5.39	89.72	0.32	3.58	1.00	0.04
5.40	89.46	0.32	3.59	1.00	0.04	5.41	89.48	0.32	3.59	1.00	0.04
5.42	88.31	0.31	3.64	1.00	0.04	5.43	88.14	0.31	3.65	1.00	0.04
5.44	87.04	0.31	3.69	1.00	0.04	5.45	87.08	0.31	3.69	1.00	0.04
5.46	86.56	0.31	3.71	1.00	0.04	5.47	86.28	0.31	3.73	1.00	0.04
5.48	86.30	0.31	3.72	1.00	0.04	5.49	85.85	0.30	3.74	1.00	0.04
5.50	85.99	0.30	3.74	1.00	0.04	5.51	85.95	0.30	3.74	1.00	0.04
5.52	85.91	0.30	3.74	1.00	0.04	5.53	86.18	0.30	3.73	1.00	0.04
5.54	86.60	0.31	3.71	1.00	0.04	5.55	86.67	0.31	3.71	1.00	0.04
5.56	86.66	0.31	3.71	1.00	0.04	5.57	86.82	0.31	3.70	1.00	0.04
5.58	86.51	0.31	3.72	1.00	0.04	5.59	85.54	0.30	3.76	1.00	0.04
5.60	86.01	0.30	3.74	1.00	0.04	5.61	85.12	0.30	3.77	1.00	0.04
5.62	85.39	0.30	3.76	1.00	0.04	5.63	85.16	0.30	3.77	1.00	0.04
5.64	84.91	0.30	3.78	1.00	0.04	5.65	84.66	0.30	3.79	1.00	0.04
5.66	84.53	0.30	3.80	1.00	0.04	5.67	84.38	0.30	3.81	1.00	0.04
5.68	84.77	0.30	3.79	1.00	0.04	5.69	84.69	0.30	3.79	1.00	0.04
5.70	85.16	0.30	3.77	1.00	0.04	5.71	85.12	0.30	3.77	1.00	0.04
5.72	85.65	0.30	3.75	1.00	0.04	5.73	87.24	0.31	3.68	1.00	0.04
5.74	87.81	0.31	3.66	1.00	0.04	5.75	92.72	0.33	3.47	1.00	0.03
5.76	94.23	0.33	3.41	1.00	0.03	5.77	97.69	0.34	3.29	1.00	0.03
5.78	101.00	0.36	3.18	1.00	0.03	5.79	97.68	0.34	3.29	1.00	0.03



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	98.42	0.35	3.27	1.00	0.03	5.81	93.06	0.33	3.46	1.00	0.03
5.82	92.57	0.32	3.47	1.00	0.03	5.83	92.18	0.32	3.49	1.00	0.03
5.84	94.93	0.33	3.39	1.00	0.03	5.85	96.70	0.34	3.32	1.00	0.03
5.86	97.83	0.34	3.29	1.00	0.03	5.87	99.88	0.35	3.22	1.00	0.03
5.88	100.70	0.36	3.19	1.00	0.03	5.89	106.32	0.38	3.02	1.00	0.03
5.90	107.98	0.39	2.97	1.00	0.03	5.91	107.05	0.39	3.00	1.00	0.03
5.92	101.84	0.36	3.15	1.00	0.03	5.93	104.67	0.37	3.07	1.00	0.03
5.94	92.62	0.32	3.47	1.00	0.03	5.95	92.29	0.32	3.48	1.00	0.03
5.96	87.78	0.31	3.66	1.00	0.04	5.97	85.56	0.30	3.76	1.00	0.04
5.98	82.62	0.29	3.89	1.00	0.04	5.99	80.10	0.28	4.00	1.00	0.04
6.00	79.01	0.28	4.06	1.00	0.04	6.01	77.26	0.28	4.15	1.00	0.04
6.02	76.88	0.27	4.16	1.00	0.04	6.03	75.82	0.27	4.22	1.00	0.04
6.04	75.44	0.27	4.24	1.00	0.04	6.05	75.06	0.27	4.26	1.00	0.04
6.06	74.22	0.27	4.31	1.00	0.04	6.07	73.96	0.27	4.32	1.00	0.04
6.08	73.92	0.27	4.32	1.00	0.04	6.09	74.24	0.27	4.30	1.00	0.04
6.10	75.52	0.27	4.24	1.00	0.04	6.11	75.91	0.27	4.22	1.00	0.04
6.12	75.63	0.27	4.23	1.00	0.04	6.13	76.85	0.27	4.17	1.00	0.04
6.14	78.74	0.28	4.07	1.00	0.04	6.15	83.36	0.29	3.85	1.00	0.04
6.16	88.81	0.31	3.62	1.00	0.04	6.17	91.04	0.32	3.53	1.00	0.04
6.18	95.35	0.33	3.37	1.00	0.03	6.19	95.38	0.33	3.37	1.00	0.03
6.20	96.88	0.34	3.32	1.00	0.03	6.21	96.68	0.34	3.33	1.00	0.03
6.22	97.35	0.34	3.30	1.00	0.03	6.23	97.02	0.34	3.31	1.00	0.03
6.24	99.34	0.35	3.23	1.00	0.03	6.25	95.96	0.33	3.35	1.00	0.03
6.26	98.83	0.35	3.25	1.00	0.03	6.27	92.80	0.32	3.47	1.00	0.03
6.28	96.01	0.33	3.35	1.00	0.03	6.29	94.10	0.33	3.42	1.00	0.03
6.30	102.56	0.36	3.13	1.00	0.03	6.31	104.99	0.37	3.06	1.00	0.03
6.32	105.04	0.37	3.05	1.00	0.03	6.33	103.21	0.37	3.11	1.00	0.03
6.34	101.43	0.36	3.17	1.00	0.03	6.35	97.69	0.34	3.29	1.00	0.03
6.36	96.28	0.34	3.34	1.00	0.03	6.37	92.89	0.32	3.46	1.00	0.03
6.38	92.10	0.32	3.49	1.00	0.03	6.39	94.15	0.33	3.42	1.00	0.03
6.40	97.75	0.34	3.29	1.00	0.03	6.41	100.21	0.35	3.21	1.00	0.03
6.42	102.26	0.36	3.14	1.00	0.03	6.43	102.30	0.36	3.14	1.00	0.03
6.44	100.34	0.35	3.20	1.00	0.03	6.45	102.31	0.36	3.14	1.00	0.03
6.46	101.52	0.36	3.16	1.00	0.03	6.47	102.22	0.36	3.14	1.00	0.03
6.48	102.44	0.36	3.13	1.00	0.03	6.49	101.16	0.36	3.18	1.00	0.03
6.50	101.01	0.35	3.18	1.00	0.03	6.51	100.19	0.35	3.21	1.00	0.03
6.52	99.87	0.35	3.22	1.00	0.03	6.53	99.01	0.35	3.25	1.00	0.03
6.54	98.58	0.34	3.26	1.00	0.03	6.55	96.84	0.34	3.32	1.00	0.03
6.56	96.09	0.33	3.35	1.00	0.03	6.57	95.00	0.33	3.38	1.00	0.03
6.58	95.03	0.33	3.38	1.00	0.03	6.59	94.42	0.33	3.41	1.00	0.03
6.60	93.33	0.32	3.45	1.00	0.03	6.61	90.50	0.31	3.55	1.00	0.04
6.62	88.33	0.31	3.64	1.00	0.04	6.63	86.07	0.30	3.73	1.00	0.04
6.64	85.05	0.30	3.78	1.00	0.04	6.65	82.09	0.29	3.91	1.00	0.04
6.66	78.40	0.28	4.09	1.00	0.04	6.67	74.87	0.27	4.27	1.00	0.04
6.68	73.28	0.26	4.36	1.00	0.04	6.69	72.76	0.26	4.39	1.00	0.04
6.70	73.92	0.26	4.32	1.00	0.04	6.71	75.35	0.27	4.25	1.00	0.04
6.72	77.70	0.27	4.12	1.00	0.04	6.73	79.01	0.28	4.06	1.00	0.04
6.74	80.34	0.28	3.99	1.00	0.04	6.75	80.71	0.28	3.97	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	81.08	0.28	3.96	1.00	0.04	6.77	80.66	0.28	3.98	1.00	0.04
6.78	80.29	0.28	3.99	1.00	0.04	6.79	79.74	0.28	4.02	1.00	0.04
6.80	78.73	0.28	4.07	1.00	0.04	6.81	77.69	0.27	4.12	1.00	0.04
6.82	75.77	0.27	4.22	1.00	0.04	6.83	74.31	0.27	4.30	1.00	0.04
6.84	71.80	0.26	4.44	1.00	0.04	6.85	71.37	0.26	4.47	1.00	0.04
6.86	69.37	0.25	4.59	1.00	0.05	6.87	69.49	0.25	4.58	1.00	0.05
6.88	69.64	0.25	4.57	1.00	0.05	6.89	73.70	0.26	4.33	1.00	0.04
6.90	76.15	0.27	4.20	1.00	0.04	6.91	78.97	0.28	4.06	1.00	0.04
6.92	82.51	0.29	3.89	1.00	0.04	6.93	76.61	0.27	4.18	1.00	0.04
6.94	80.54	0.28	3.98	1.00	0.04	6.95	78.68	0.28	4.07	1.00	0.04
6.96	80.81	0.28	3.97	1.00	0.04	6.97	82.04	0.29	3.91	1.00	0.04
6.98	82.97	0.29	3.87	1.00	0.04	6.99	84.70	0.29	3.79	1.00	0.04
7.00	87.91	0.30	3.66	1.00	0.04	7.01	91.07	0.31	3.53	1.00	0.04
7.02	90.76	0.31	3.54	1.00	0.04	7.03	89.78	0.31	3.58	1.00	0.04
7.04	89.12	0.31	3.61	1.00	0.04	7.05	88.88	0.31	3.62	1.00	0.04
7.06	87.51	0.30	3.67	1.00	0.04	7.07	87.04	0.30	3.69	1.00	0.04
7.08	85.87	0.30	3.74	1.00	0.04	7.09	85.31	0.29	3.77	1.00	0.04
7.10	82.28	0.29	3.90	1.00	0.04	7.11	81.01	0.28	3.96	1.00	0.04
7.12	79.07	0.28	4.05	1.00	0.04	7.13	77.33	0.27	4.14	1.00	0.04
7.14	73.53	0.26	4.34	1.00	0.04	7.15	73.07	0.26	4.37	1.00	0.04
7.16	72.69	0.26	4.39	1.00	0.04	7.17	72.71	0.26	4.39	1.00	0.04
7.18	72.43	0.26	4.41	1.00	0.04	7.19	17.24	2.00	0.00	1.00	0.00
7.20	17.11	2.00	0.00	1.00	0.00	7.21	16.76	2.00	0.00	1.00	0.00
7.22	16.75	2.00	0.00	1.00	0.00	7.23	17.76	2.00	0.00	1.00	0.00
7.24	19.10	2.00	0.00	1.00	0.00	7.25	19.76	2.00	0.00	1.00	0.00
7.26	17.72	2.00	0.00	1.00	0.00	7.27	15.90	2.00	0.00	1.00	0.00
7.28	14.31	2.00	0.00	1.00	0.00	7.29	11.58	2.00	0.00	1.00	0.00
7.30	11.01	2.00	0.00	1.00	0.00	7.31	9.53	2.00	0.00	1.00	0.00
7.32	8.38	2.00	0.00	1.00	0.00	7.33	7.13	2.00	0.00	1.00	0.00
7.34	6.55	2.00	0.00	1.00	0.00	7.35	6.43	2.00	0.00	1.00	0.00
7.36	6.43	2.00	0.00	1.00	0.00	7.37	6.43	2.00	0.00	1.00	0.00
7.38	6.54	2.00	0.00	1.00	0.00	7.39	6.54	2.00	0.00	1.00	0.00
7.40	6.42	2.00	0.00	1.00	0.00	7.41	6.41	2.00	0.00	1.00	0.00
7.42	6.41	2.00	0.00	1.00	0.00	7.43	6.18	2.00	0.00	1.00	0.00
7.44	5.84	2.00	0.00	1.00	0.00	7.45	5.83	2.00	0.00	1.00	0.00
7.46	5.83	2.00	0.00	1.00	0.00	7.47	5.83	2.00	0.00	1.00	0.00
7.48	5.83	2.00	0.00	1.00	0.00	7.49	5.82	2.00	0.00	1.00	0.00
7.50	5.82	2.00	0.00	1.00	0.00	7.51	5.82	2.00	0.00	1.00	0.00
7.52	5.70	2.00	0.00	1.00	0.00	7.53	5.70	2.00	0.00	1.00	0.00
7.54	5.70	2.00	0.00	1.00	0.00	7.55	5.58	2.00	0.00	1.00	0.00
7.56	5.69	2.00	0.00	1.00	0.00	7.57	5.69	2.00	0.00	1.00	0.00
7.58	5.69	2.00	0.00	1.00	0.00	7.59	5.69	2.00	0.00	1.00	0.00
7.60	5.68	2.00	0.00	1.00	0.00	7.61	5.79	2.00	0.00	1.00	0.00
7.62	5.79	2.00	0.00	1.00	0.00	7.63	5.79	2.00	0.00	1.00	0.00
7.64	5.79	2.00	0.00	1.00	0.00	7.65	5.90	2.00	0.00	1.00	0.00
7.66	6.01	2.00	0.00	1.00	0.00	7.67	6.23	2.00	0.00	1.00	0.00
7.68	11.06	2.00	0.00	1.00	0.00	7.69	70.54	0.25	4.52	1.00	0.05
7.70	74.71	0.26	4.28	1.00	0.04	7.71	74.16	0.26	4.31	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	78.58	0.27	4.08	1.00	0.04	7.73	82.05	0.28	3.91	1.00	0.04
7.74	78.91	0.27	4.06	1.00	0.04	7.75	78.73	0.27	4.07	1.00	0.04
7.76	76.14	0.27	4.20	1.00	0.04	7.77	75.51	0.27	4.24	1.00	0.04
7.78	74.69	0.26	4.28	1.00	0.04	7.79	78.01	0.27	4.11	1.00	0.04
7.80	79.81	0.28	4.02	1.00	0.04	7.81	80.90	0.28	3.97	1.00	0.04
7.82	76.97	0.27	4.16	1.00	0.04	7.83	75.44	0.27	4.24	1.00	0.04
7.84	17.28	2.00	0.00	1.00	0.00	7.85	15.39	2.00	0.00	1.00	0.00
7.86	14.39	2.00	0.00	1.00	0.00	7.87	13.49	2.00	0.00	1.00	0.00
7.88	10.94	2.00	0.00	1.00	0.00	7.89	9.61	2.00	0.00	1.00	0.00
7.90	8.61	2.00	0.00	1.00	0.00	7.91	8.60	2.00	0.00	1.00	0.00
7.92	8.60	2.00	0.00	1.00	0.00	7.93	7.37	2.00	0.00	1.00	0.00
7.94	7.26	2.00	0.00	1.00	0.00	7.95	6.92	2.00	0.00	1.00	0.00
7.96	6.81	2.00	0.00	1.00	0.00	7.97	6.58	2.00	0.00	1.00	0.00
7.98	6.36	2.00	0.00	1.00	0.00	7.99	6.24	2.00	0.00	1.00	0.00
8.00	6.13	2.00	0.00	1.00	0.00	8.01	6.35	2.00	0.00	1.00	0.00
8.02	6.67	2.00	0.00	1.00	0.00	8.03	9.98	2.00	0.00	1.00	0.00
8.04	11.52	2.00	0.00	1.00	0.00	8.05	12.95	2.00	0.00	1.00	0.00
8.06	13.92	2.00	0.00	1.00	0.00	8.07	11.73	2.00	0.00	1.00	0.00
8.08	10.51	2.00	0.00	1.00	0.00	8.09	9.19	2.00	0.00	1.00	0.00
8.10	7.86	2.00	0.00	1.00	0.00	8.11	6.65	2.00	0.00	1.00	0.00
8.12	6.20	2.00	0.00	1.00	0.00	8.13	5.98	2.00	0.00	1.00	0.00
8.14	5.87	2.00	0.00	1.00	0.00	8.15	5.97	2.00	0.00	1.00	0.00
8.16	6.08	2.00	0.00	1.00	0.00	8.17	6.19	2.00	0.00	1.00	0.00
8.18	6.41	2.00	0.00	1.00	0.00	8.19	8.71	2.00	0.00	1.00	0.00
8.20	12.20	2.00	0.00	1.00	0.00	8.21	17.43	2.00	0.00	1.00	0.00
8.22	77.12	0.27	4.15	1.00	0.04	8.23	84.72	0.29	3.79	1.00	0.04
8.24	83.47	0.29	3.85	1.00	0.04	8.25	84.87	0.29	3.79	1.00	0.04
8.26	82.35	0.28	3.90	1.00	0.04	8.27	80.10	0.28	4.00	1.00	0.04
8.28	76.86	0.27	4.17	1.00	0.04	8.29	75.28	0.26	4.25	1.00	0.04
8.30	71.09	0.25	4.48	1.00	0.04	8.31	14.54	2.00	0.00	1.00	0.00
8.32	12.90	2.00	0.00	1.00	0.00	8.33	11.70	2.00	0.00	1.00	0.00
8.34	9.95	2.00	0.00	1.00	0.00	8.35	9.29	2.00	0.00	1.00	0.00
8.36	8.75	2.00	0.00	1.00	0.00	8.37	8.63	2.00	0.00	1.00	0.00
8.38	10.80	2.00	0.00	1.00	0.00	8.39	11.22	2.00	0.00	1.00	0.00
8.40	10.35	2.00	0.00	1.00	0.00	8.41	10.35	2.00	0.00	1.00	0.00
8.42	10.34	2.00	0.00	1.00	0.00	8.43	10.45	2.00	0.00	1.00	0.00
8.44	10.87	2.00	0.00	1.00	0.00	8.45	11.08	2.00	0.00	1.00	0.00
8.46	11.19	2.00	0.00	1.00	0.00	8.47	11.29	2.00	0.00	1.00	0.00
8.48	11.39	2.00	0.00	1.00	0.00	8.49	11.17	2.00	0.00	1.00	0.00
8.50	11.27	2.00	0.00	1.00	0.00	8.51	11.48	2.00	0.00	1.00	0.00
8.52	11.80	2.00	0.00	1.00	0.00	8.53	11.80	2.00	0.00	1.00	0.00
8.54	11.68	2.00	0.00	1.00	0.00	8.55	11.57	2.00	0.00	1.00	0.00
8.56	11.56	2.00	0.00	1.00	0.00	8.57	11.45	2.00	0.00	1.00	0.00
8.58	11.44	2.00	0.00	1.00	0.00	8.59	11.44	2.00	0.00	1.00	0.00
8.60	11.43	2.00	0.00	1.00	0.00	8.61	11.54	2.00	0.00	1.00	0.00
8.62	11.53	2.00	0.00	1.00	0.00	8.63	11.52	2.00	0.00	1.00	0.00
8.64	11.52	2.00	0.00	1.00	0.00	8.65	11.62	2.00	0.00	1.00	0.00
8.66	11.72	2.00	0.00	1.00	0.00	8.67	11.93	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	12.03	2.00	0.00	1.00	0.00	8.69	12.02	2.00	0.00	1.00	0.00
8.70	12.02	2.00	0.00	1.00	0.00	8.71	12.12	2.00	0.00	1.00	0.00
8.72	12.11	2.00	0.00	1.00	0.00	8.73	12.11	2.00	0.00	1.00	0.00
8.74	11.99	2.00	0.00	1.00	0.00	8.75	11.99	2.00	0.00	1.00	0.00
8.76	11.98	2.00	0.00	1.00	0.00	8.77	11.76	2.00	0.00	1.00	0.00
8.78	11.87	2.00	0.00	1.00	0.00	8.79	12.07	2.00	0.00	1.00	0.00
8.80	12.17	2.00	0.00	1.00	0.00	8.81	12.17	2.00	0.00	1.00	0.00
8.82	12.16	2.00	0.00	1.00	0.00	8.83	12.05	2.00	0.00	1.00	0.00
8.84	11.94	2.00	0.00	1.00	0.00	8.85	12.04	2.00	0.00	1.00	0.00
8.86	12.14	2.00	0.00	1.00	0.00	8.87	12.34	2.00	0.00	1.00	0.00
8.88	12.34	2.00	0.00	1.00	0.00	8.89	12.33	2.00	0.00	1.00	0.00
8.90	12.33	2.00	0.00	1.00	0.00	8.91	12.32	2.00	0.00	1.00	0.00
8.92	12.31	2.00	0.00	1.00	0.00	8.93	12.84	2.00	0.00	1.00	0.00
8.94	12.73	2.00	0.00	1.00	0.00	8.95	12.83	2.00	0.00	1.00	0.00
8.96	12.92	2.00	0.00	1.00	0.00	8.97	13.02	2.00	0.00	1.00	0.00
8.98	13.44	2.00	0.00	1.00	0.00	8.99	13.64	2.00	0.00	1.00	0.00
9.00	13.74	2.00	0.00	1.00	0.00	9.01	13.74	2.00	0.00	1.00	0.00
9.02	13.52	2.00	0.00	1.00	0.00	9.03	13.30	2.00	0.00	1.00	0.00
9.04	13.30	2.00	0.00	1.00	0.00	9.05	13.19	2.00	0.00	1.00	0.00
9.06	12.97	2.00	0.00	1.00	0.00	9.07	12.65	2.00	0.00	1.00	0.00
9.08	12.33	2.00	0.00	1.00	0.00	9.09	12.32	2.00	0.00	1.00	0.00
9.10	12.21	2.00	0.00	1.00	0.00	9.11	12.21	2.00	0.00	1.00	0.00
9.12	11.89	2.00	0.00	1.00	0.00	9.13	11.78	2.00	0.00	1.00	0.00
9.14	11.67	2.00	0.00	1.00	0.00	9.15	11.66	2.00	0.00	1.00	0.00
9.16	11.76	2.00	0.00	1.00	0.00	9.17	11.86	2.00	0.00	1.00	0.00
9.18	12.06	2.00	0.00	1.00	0.00	9.19	12.06	2.00	0.00	1.00	0.00
9.20	11.95	2.00	0.00	1.00	0.00	9.21	11.84	2.00	0.00	1.00	0.00
9.22	11.73	2.00	0.00	1.00	0.00	9.23	11.62	2.00	0.00	1.00	0.00
9.24	11.61	2.00	0.00	1.00	0.00	9.25	11.50	2.00	0.00	1.00	0.00
9.26	11.29	2.00	0.00	1.00	0.00	9.27	11.18	2.00	0.00	1.00	0.00
9.28	11.18	2.00	0.00	1.00	0.00	9.29	11.07	2.00	0.00	1.00	0.00
9.30	10.96	2.00	0.00	1.00	0.00	9.31	10.85	2.00	0.00	1.00	0.00
9.32	10.85	2.00	0.00	1.00	0.00	9.33	11.05	2.00	0.00	1.00	0.00
9.34	11.35	2.00	0.00	1.00	0.00	9.35	11.45	2.00	0.00	1.00	0.00
9.36	11.66	2.00	0.00	1.00	0.00	9.37	11.75	2.00	0.00	1.00	0.00
9.38	11.85	2.00	0.00	1.00	0.00	9.39	11.95	2.00	0.00	1.00	0.00
9.40	11.74	2.00	0.00	1.00	0.00	9.41	11.94	2.00	0.00	1.00	0.00
9.42	12.14	2.00	0.00	1.00	0.00	9.43	12.24	2.00	0.00	1.00	0.00
9.44	12.24	2.00	0.00	1.00	0.00	9.45	12.33	2.00	0.00	1.00	0.00
9.46	12.33	2.00	0.00	1.00	0.00	9.47	12.53	2.00	0.00	1.00	0.00
9.48	12.63	2.00	0.00	1.00	0.00	9.49	12.72	2.00	0.00	1.00	0.00
9.50	12.82	2.00	0.00	1.00	0.00	9.51	12.82	2.00	0.00	1.00	0.00
9.52	12.71	2.00	0.00	1.00	0.00	9.53	12.50	2.00	0.00	1.00	0.00
9.54	12.49	2.00	0.00	1.00	0.00	9.55	12.49	2.00	0.00	1.00	0.00
9.56	12.48	2.00	0.00	1.00	0.00	9.57	12.89	2.00	0.00	1.00	0.00
9.58	12.98	2.00	0.00	1.00	0.00	9.59	13.08	2.00	0.00	1.00	0.00
9.60	13.28	2.00	0.00	1.00	0.00	9.61	13.17	2.00	0.00	1.00	0.00
9.62	12.96	2.00	0.00	1.00	0.00	9.63	12.65	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	12.03	2.00	0.00	1.00	0.00	9.65	11.82	2.00	0.00	1.00	0.00
9.66	11.61	2.00	0.00	1.00	0.00	9.67	11.40	2.00	0.00	1.00	0.00
9.68	11.39	2.00	0.00	1.00	0.00	9.69	11.39	2.00	0.00	1.00	0.00
9.70	11.59	2.00	0.00	1.00	0.00	9.71	11.68	2.00	0.00	1.00	0.00
9.72	11.68	2.00	0.00	1.00	0.00	9.73	11.67	2.00	0.00	1.00	0.00
9.74	11.77	2.00	0.00	1.00	0.00	9.75	11.87	2.00	0.00	1.00	0.00
9.76	11.86	2.00	0.00	1.00	0.00	9.77	11.86	2.00	0.00	1.00	0.00
9.78	11.75	2.00	0.00	1.00	0.00	9.79	11.85	2.00	0.00	1.00	0.00
9.80	11.94	2.00	0.00	1.00	0.00	9.81	11.94	2.00	0.00	1.00	0.00
9.82	11.93	2.00	0.00	1.00	0.00	9.83	12.03	2.00	0.00	1.00	0.00
9.84	12.43	2.00	0.00	1.00	0.00	9.85	12.63	2.00	0.00	1.00	0.00
9.86	12.73	2.00	0.00	1.00	0.00	9.87	12.82	2.00	0.00	1.00	0.00
9.88	12.92	2.00	0.00	1.00	0.00	9.89	12.91	2.00	0.00	1.00	0.00
9.90	12.81	2.00	0.00	1.00	0.00	9.91	12.80	2.00	0.00	1.00	0.00
9.92	12.80	2.00	0.00	1.00	0.00	9.93	13.50	2.00	0.00	1.00	0.00
9.94	13.29	2.00	0.00	1.00	0.00	9.95	13.19	2.00	0.00	1.00	0.00
9.96	13.08	2.00	0.00	1.00	0.00	9.97	12.47	2.00	0.00	1.00	0.00
9.98	12.36	2.00	0.00	1.00	0.00	9.99	12.46	2.00	0.00	1.00	0.00
10.00	12.45	2.00	0.00	1.00	0.00	10.01	12.45	2.00	0.00	1.00	0.00
10.02	12.44	2.00	0.00	1.00	0.00	10.03	12.44	2.00	0.00	1.00	0.00
10.04	12.43	2.00	0.00	1.00	0.00	10.05	12.33	2.00	0.00	1.00	0.00
10.06	12.12	2.00	0.00	1.00	0.00	10.07	12.21	2.00	0.00	1.00	0.00
10.08	12.21	2.00	0.00	1.00	0.00	10.09	12.10	2.00	0.00	1.00	0.00
10.10	12.10	2.00	0.00	1.00	0.00	10.11	12.20	2.00	0.00	1.00	0.00
10.12	12.09	2.00	0.00	1.00	0.00	10.13	11.98	2.00	0.00	1.00	0.00
10.14	12.18	2.00	0.00	1.00	0.00	10.15	12.38	2.00	0.00	1.00	0.00
10.16	12.37	2.00	0.00	1.00	0.00	10.17	12.47	2.00	0.00	1.00	0.00
10.18	12.56	2.00	0.00	1.00	0.00	10.19	12.66	2.00	0.00	1.00	0.00
10.20	12.65	2.00	0.00	1.00	0.00	10.21	12.65	2.00	0.00	1.00	0.00
10.22	12.64	2.00	0.00	1.00	0.00	10.23	12.64	2.00	0.00	1.00	0.00
10.24	12.53	2.00	0.00	1.00	0.00	10.25	12.53	2.00	0.00	1.00	0.00
10.26	12.52	2.00	0.00	1.00	0.00	10.27	12.42	2.00	0.00	1.00	0.00
10.28	12.31	2.00	0.00	1.00	0.00	10.29	12.31	2.00	0.00	1.00	0.00
10.30	12.30	2.00	0.00	1.00	0.00	10.31	12.20	2.00	0.00	1.00	0.00
10.32	11.89	2.00	0.00	1.00	0.00	10.33	11.89	2.00	0.00	1.00	0.00
10.34	11.78	2.00	0.00	1.00	0.00	10.35	11.68	2.00	0.00	1.00	0.00
10.36	11.97	2.00	0.00	1.00	0.00	10.37	12.07	2.00	0.00	1.00	0.00
10.38	12.26	2.00	0.00	1.00	0.00	10.39	12.46	2.00	0.00	1.00	0.00
10.40	12.55	2.00	0.00	1.00	0.00	10.41	12.55	2.00	0.00	1.00	0.00
10.42	12.74	2.00	0.00	1.00	0.00	10.43	12.83	2.00	0.00	1.00	0.00
10.44	12.83	2.00	0.00	1.00	0.00	10.45	12.72	2.00	0.00	1.00	0.00
10.46	12.62	2.00	0.00	1.00	0.00	10.47	12.62	2.00	0.00	1.00	0.00
10.48	12.51	2.00	0.00	1.00	0.00	10.49	12.51	2.00	0.00	1.00	0.00
10.50	12.80	2.00	0.00	1.00	0.00	10.51	12.89	2.00	0.00	1.00	0.00
10.52	12.99	2.00	0.00	1.00	0.00	10.53	12.98	2.00	0.00	1.00	0.00
10.54	12.98	2.00	0.00	1.00	0.00	10.55	12.97	2.00	0.00	1.00	0.00
10.56	13.16	2.00	0.00	1.00	0.00	10.57	13.26	2.00	0.00	1.00	0.00
10.58	13.25	2.00	0.00	1.00	0.00	10.59	13.15	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
10.60	13.14	2.00	0.00	1.00	0.00	10.61	13.24	2.00	0.00	1.00	0.00
10.62	13.53	2.00	0.00	1.00	0.00	10.63	13.72	2.00	0.00	1.00	0.00
10.64	13.81	2.00	0.00	1.00	0.00	10.65	14.00	2.00	0.00	1.00	0.00
10.66	14.00	2.00	0.00	1.00	0.00	10.67	13.89	2.00	0.00	1.00	0.00
10.68	13.69	2.00	0.00	1.00	0.00	10.69	13.88	2.00	0.00	1.00	0.00
10.70	13.88	2.00	0.00	1.00	0.00	10.71	14.07	2.00	0.00	1.00	0.00
10.72	14.16	2.00	0.00	1.00	0.00	10.73	14.06	2.00	0.00	1.00	0.00
10.74	13.95	2.00	0.00	1.00	0.00	10.75	13.65	2.00	0.00	1.00	0.00
10.76	13.35	2.00	0.00	1.00	0.00	10.77	13.35	2.00	0.00	1.00	0.00
10.78	13.34	2.00	0.00	1.00	0.00	10.79	13.34	2.00	0.00	1.00	0.00
10.80	13.33	2.00	0.00	1.00	0.00	10.81	13.33	2.00	0.00	1.00	0.00
10.82	13.23	2.00	0.00	1.00	0.00	10.83	13.61	2.00	0.00	1.00	0.00
10.84	13.90	2.00	0.00	1.00	0.00	10.85	14.29	2.00	0.00	1.00	0.00
10.86	14.28	2.00	0.00	1.00	0.00	10.87	14.28	2.00	0.00	1.00	0.00
10.88	14.08	2.00	0.00	1.00	0.00	10.89	13.68	2.00	0.00	1.00	0.00
10.90	13.77	2.00	0.00	1.00	0.00	10.91	13.77	2.00	0.00	1.00	0.00
10.92	13.76	2.00	0.00	1.00	0.00	10.93	14.25	2.00	0.00	1.00	0.00
10.94	14.53	2.00	0.00	1.00	0.00	10.95	14.53	2.00	0.00	1.00	0.00
10.96	14.72	2.00	0.00	1.00	0.00	10.97	14.91	2.00	0.00	1.00	0.00
10.98	14.81	2.00	0.00	1.00	0.00	10.99	14.41	2.00	0.00	1.00	0.00
11.00	14.41	2.00	0.00	1.00	0.00	11.01	14.69	2.00	0.00	1.00	0.00
11.02	14.69	2.00	0.00	1.00	0.00	11.03	14.88	2.00	0.00	1.00	0.00
11.04	14.97	2.00	0.00	1.00	0.00	11.05	15.45	2.00	0.00	1.00	0.00
11.06	15.64	2.00	0.00	1.00	0.00	11.07	16.41	2.00	0.00	1.00	0.00
11.08	16.98	2.00	0.00	1.00	0.00	11.09	17.37	2.00	0.00	1.00	0.00
11.10	17.36	2.00	0.00	1.00	0.00	11.11	17.25	2.00	0.00	1.00	0.00
11.12	16.57	2.00	0.00	1.00	0.00	11.13	15.98	2.00	0.00	1.00	0.00
11.14	15.20	2.00	0.00	1.00	0.00	11.15	14.80	2.00	0.00	1.00	0.00
11.16	14.61	2.00	0.00	1.00	0.00	11.17	14.89	2.00	0.00	1.00	0.00
11.18	15.56	2.00	0.00	1.00	0.00	11.19	16.62	2.00	0.00	1.00	0.00
11.20	17.49	2.00	0.00	1.00	0.00	11.21	18.64	2.00	0.00	1.00	0.00
11.22	18.73	2.00	0.00	1.00	0.00	11.23	17.66	2.00	0.00	1.00	0.00
11.24	17.27	2.00	0.00	1.00	0.00	11.25	16.20	2.00	0.00	1.00	0.00
11.26	15.22	2.00	0.00	1.00	0.00	11.27	14.25	2.00	0.00	1.00	0.00
11.28	14.25	2.00	0.00	1.00	0.00	11.29	14.44	2.00	0.00	1.00	0.00
11.30	15.88	2.00	0.00	1.00	0.00	11.31	17.70	2.00	0.00	1.00	0.00
11.32	80.06	0.28	4.01	1.00	0.04	11.33	81.61	0.29	3.93	1.00	0.04
11.34	84.54	0.29	3.80	1.00	0.04	11.35	85.31	0.30	3.77	1.00	0.04
11.36	85.23	0.30	3.77	1.00	0.04	11.37	85.16	0.30	3.77	1.00	0.04
11.38	23.33	2.00	0.00	1.00	0.00	11.39	22.45	2.00	0.00	1.00	0.00
11.40	21.00	2.00	0.00	1.00	0.00						

**Total estimated settlement: 12.34**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

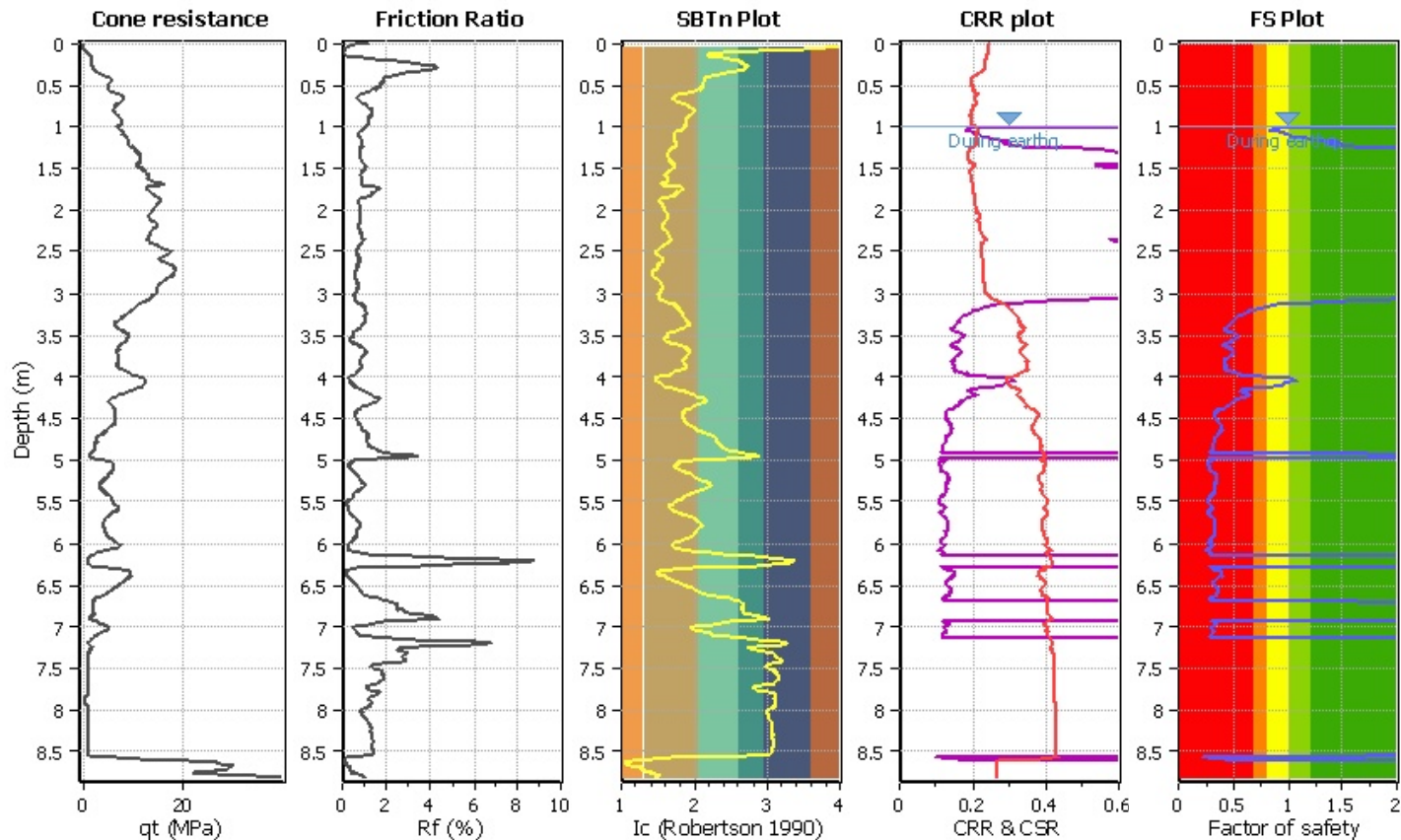
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

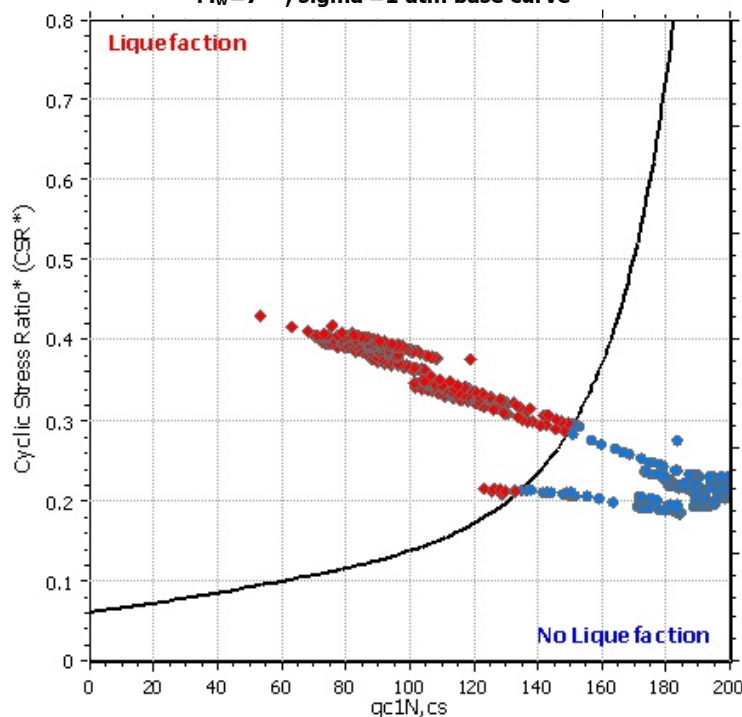
**CPT file : CPTU-06-2019**

**Input parameters and analysis data**

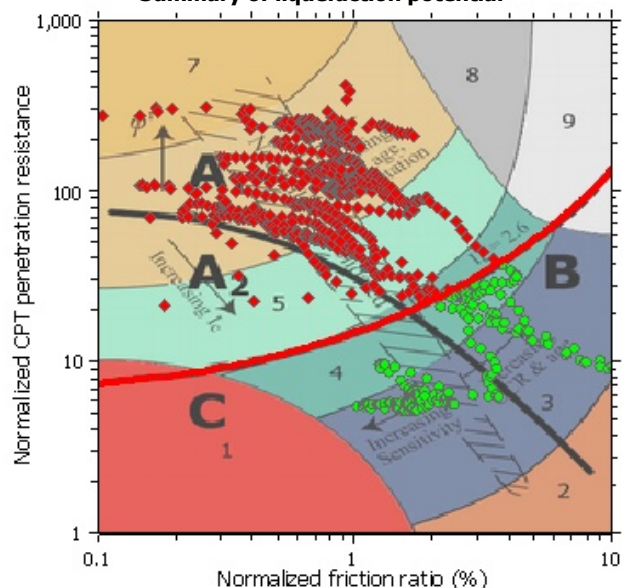
Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



$M_w=7^{1/2}$ ,  $\sigma_v=1$  atm base curve

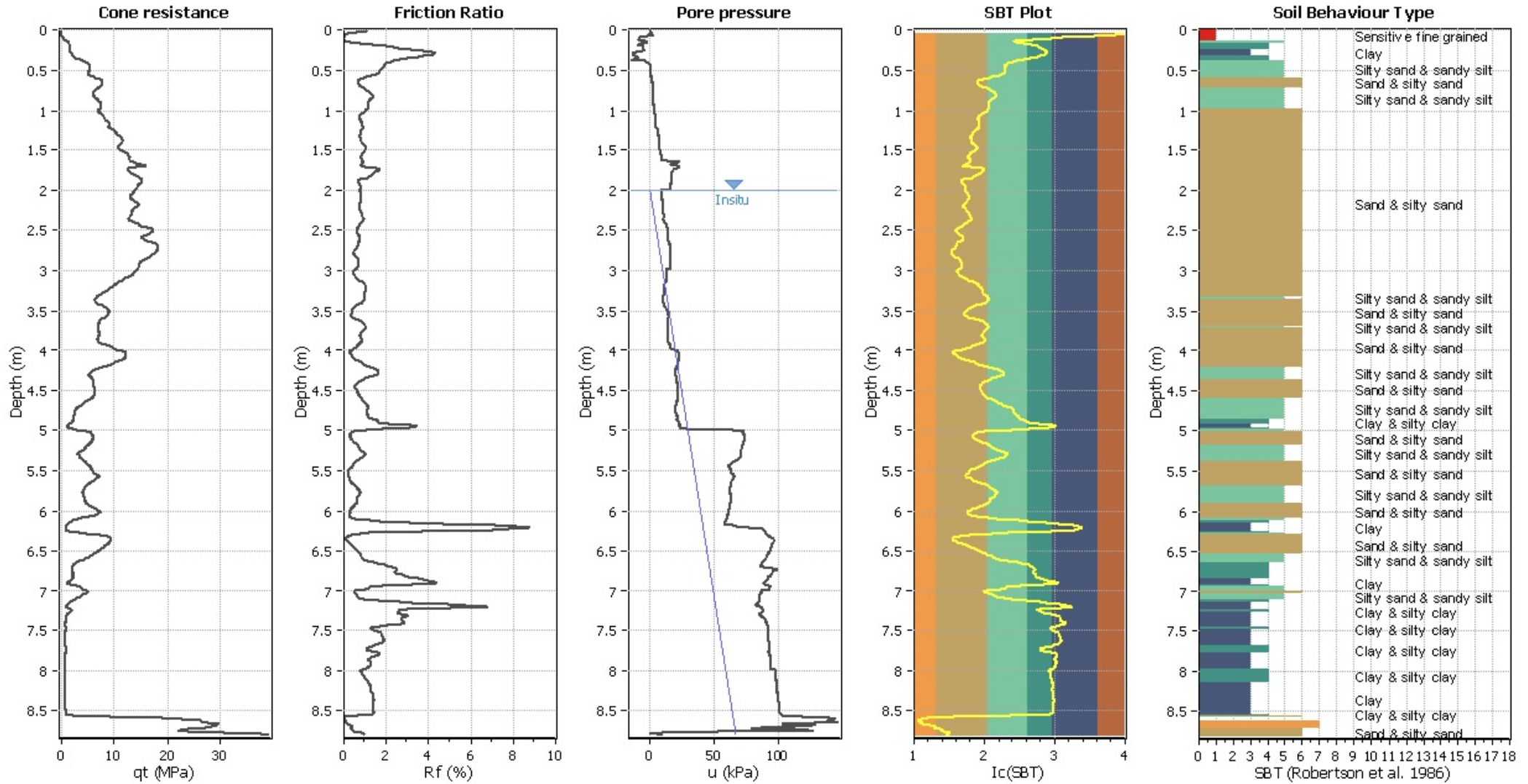


**Summary of liquefaction potential**



Zone A<sub>1</sub>: Cyclic liquefaction likely depending on size and duration of cyclic loading  
 Zone A<sub>2</sub>: Cyclic liquefaction and strength loss likely depending on loading and ground geometry  
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening  
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

### CPT basic interpretation plo



#### Input parameters and analysis data

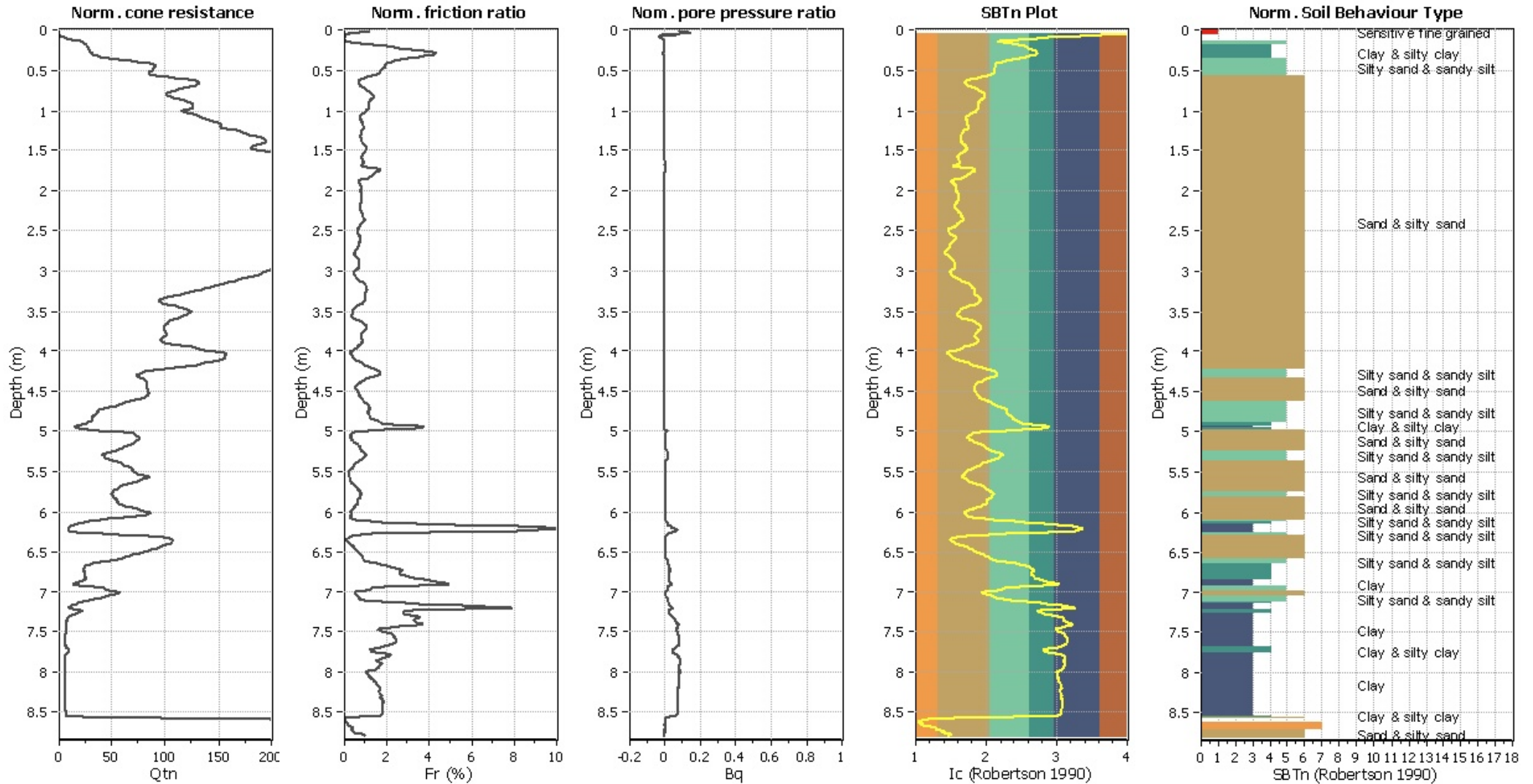
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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



### CPT basic interpretation plots (normaliz



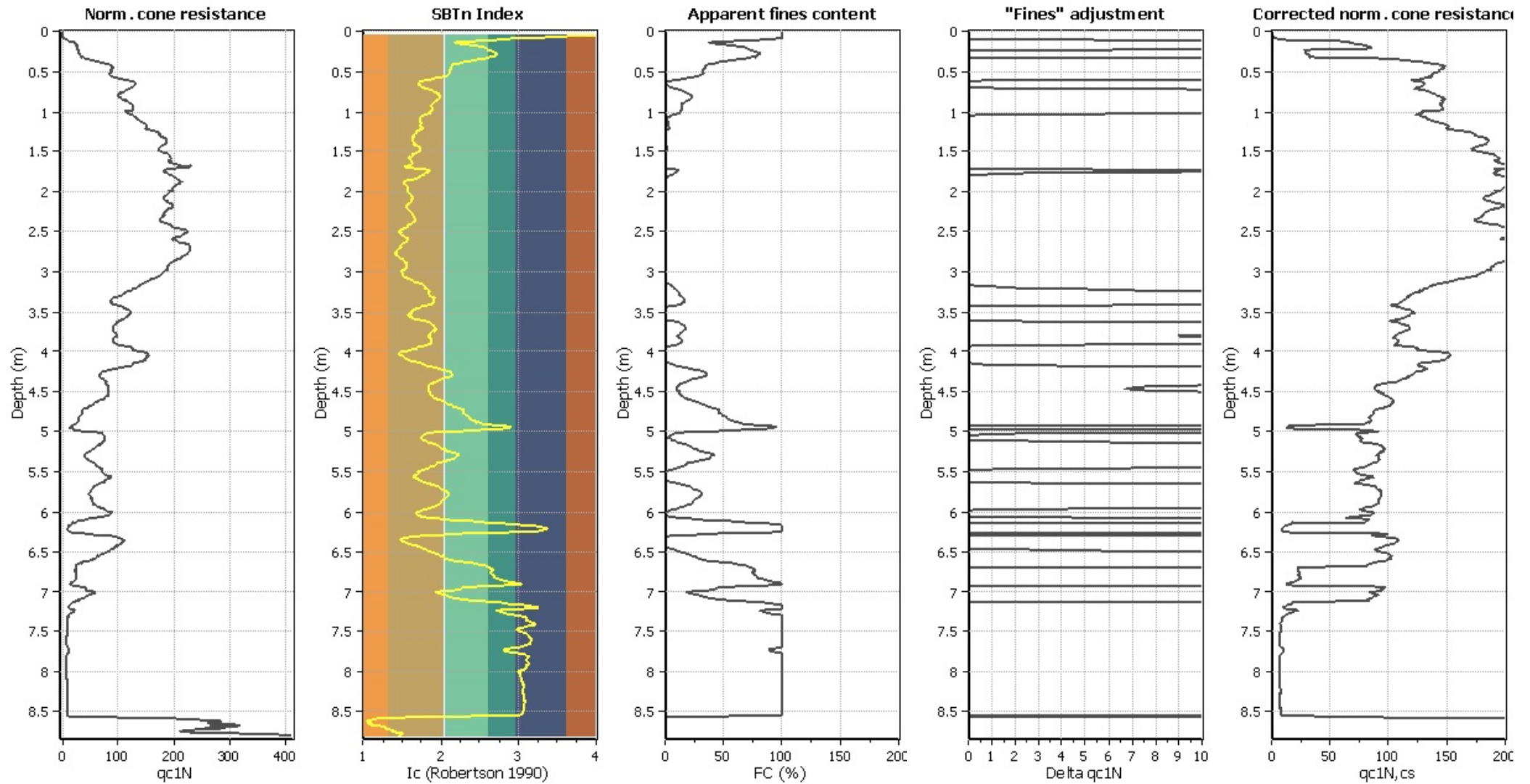
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

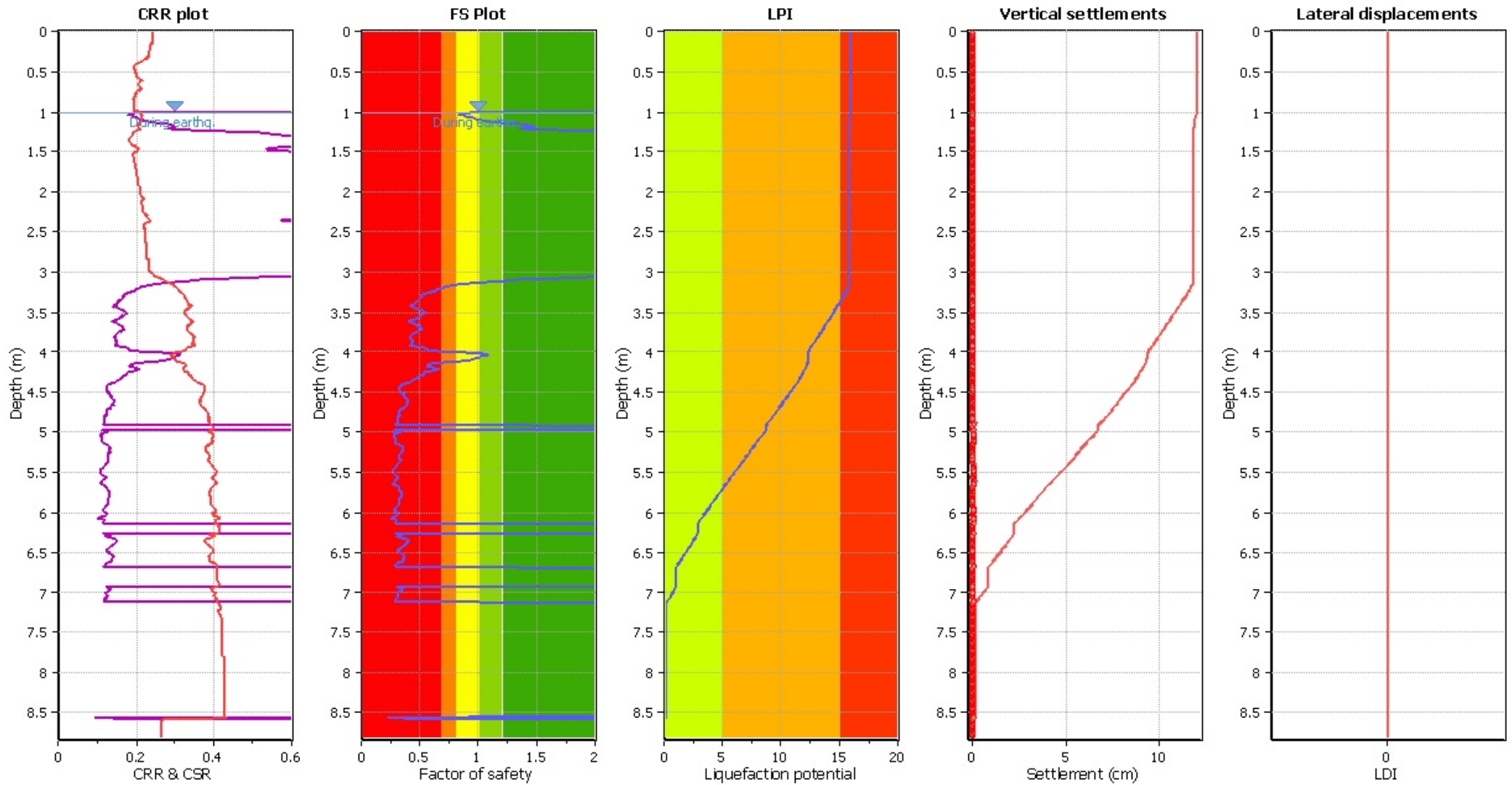
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

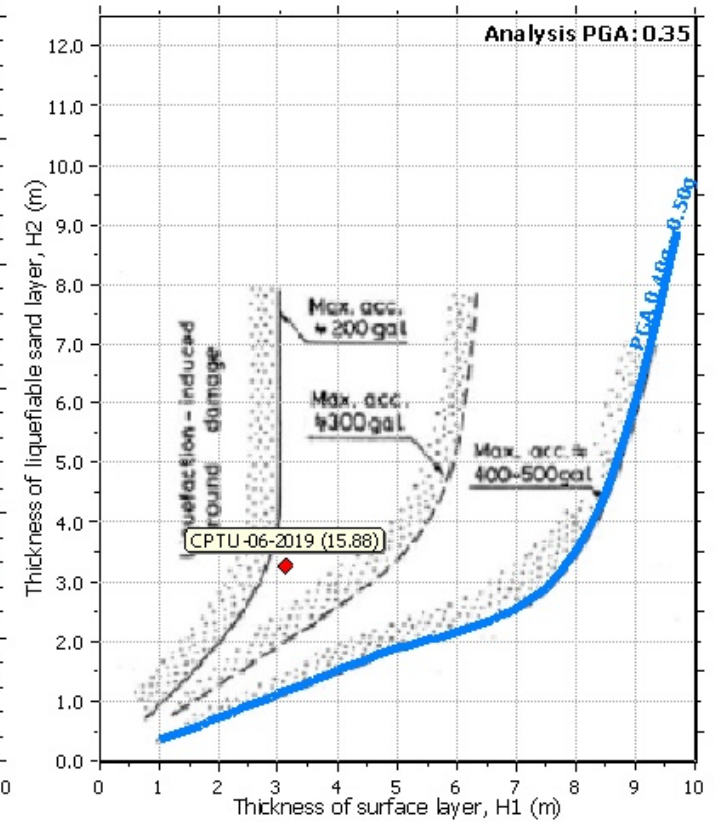
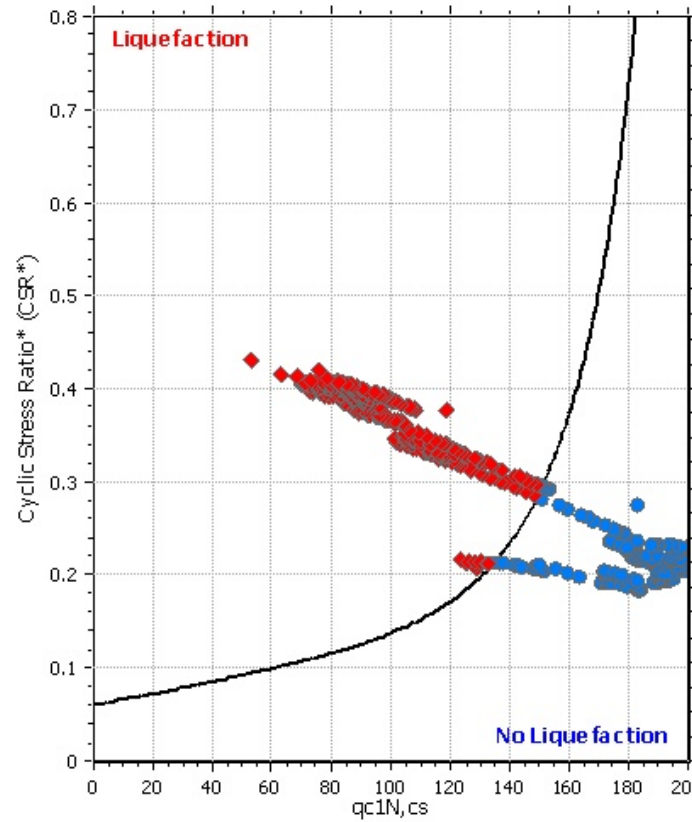
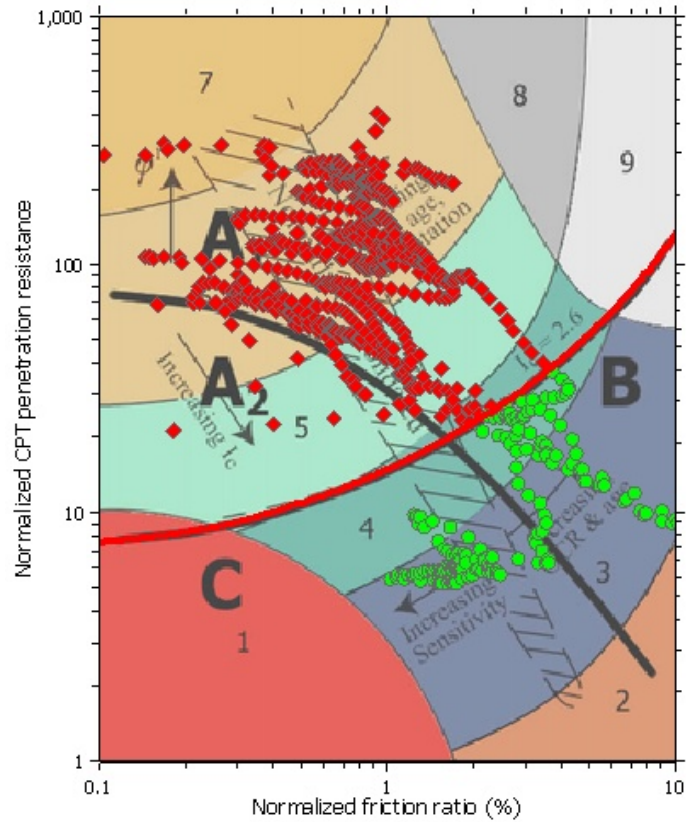
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

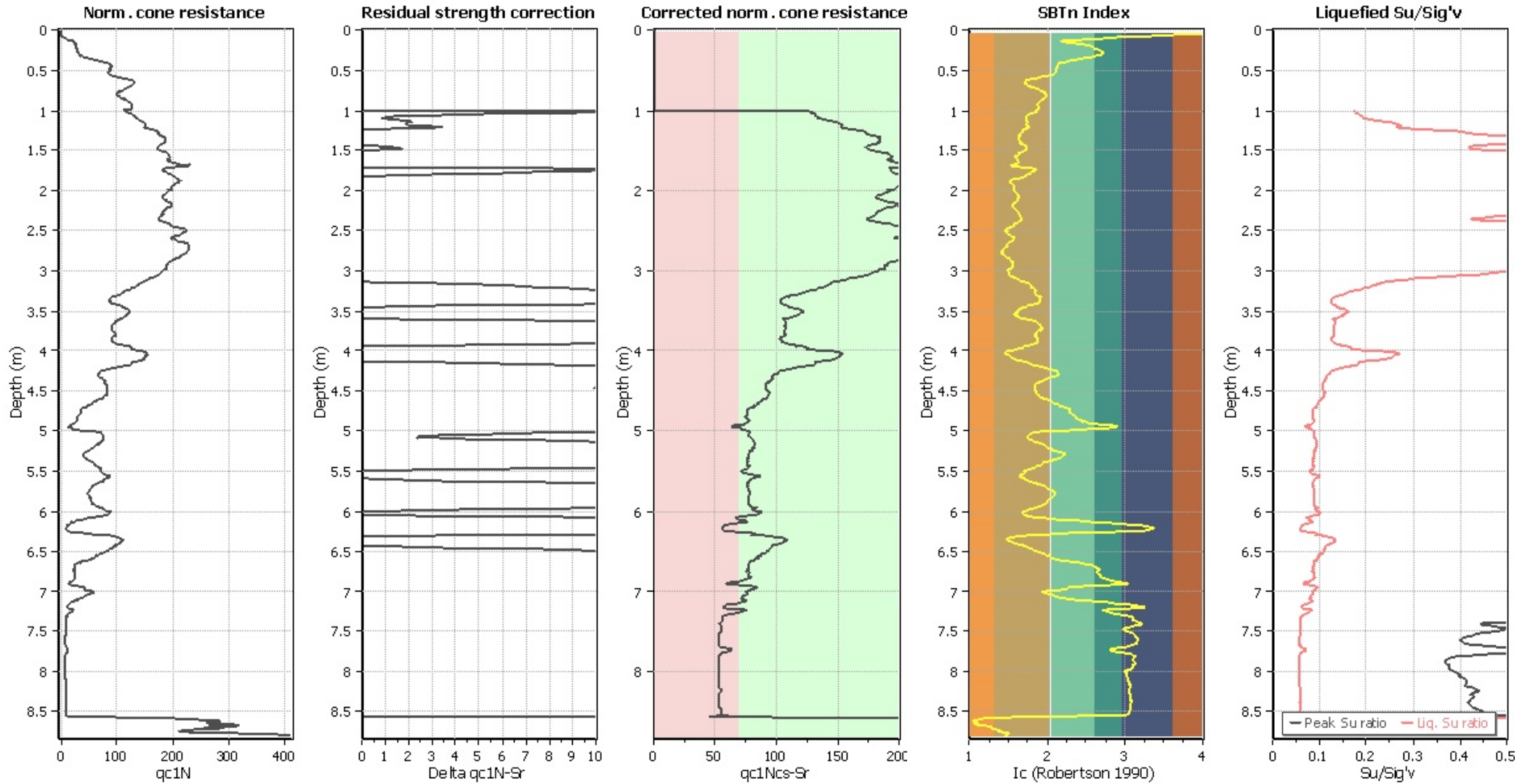
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	0.94	0.06	9.49	0.01	0.01	1.02	0.92	0.08	9.49	0.01	0.01
1.03	0.87	0.13	9.49	0.01	0.01	1.04	0.83	0.17	9.48	0.01	0.02
1.05	0.87	0.13	9.48	0.01	0.01	1.06	0.90	0.10	9.47	0.01	0.01
1.07	0.93	0.07	9.47	0.01	0.01	1.08	0.97	0.03	9.46	0.01	0.00
1.09	0.98	0.02	9.46	0.01	0.00	1.10	1.02	0.00	9.45	0.01	0.00
1.11	1.05	0.00	9.45	0.01	0.00	1.12	1.08	0.00	9.44	0.01	0.00
1.13	1.16	0.00	9.44	0.01	0.00	1.14	1.19	0.00	9.43	0.01	0.00
1.15	1.23	0.00	9.43	0.01	0.00	1.16	1.35	0.00	9.42	0.01	0.00
1.17	1.43	0.00	9.41	0.01	0.00	1.18	1.48	0.00	9.41	0.01	0.00
1.19	1.43	0.00	9.41	0.01	0.00	1.20	1.36	0.00	9.40	0.01	0.00
1.21	1.37	0.00	9.40	0.01	0.00	1.22	1.41	0.00	9.39	0.01	0.00
1.23	1.63	0.00	9.39	0.01	0.00	1.24	1.82	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	2.00	0.00	8.63	0.01	0.00
2.75	2.00	0.00	8.63	0.01	0.00	2.76	2.00	0.00	8.62	0.01	0.00
2.77	2.00	0.00	8.62	0.01	0.00	2.78	2.00	0.00	8.61	0.01	0.00
2.79	2.00	0.00	8.61	0.01	0.00	2.80	2.00	0.00	8.60	0.01	0.00
2.81	2.00	0.00	8.60	0.01	0.00	2.82	2.00	0.00	8.59	0.01	0.00
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	2.00	0.00	8.57	0.01	0.00	2.86	2.00	0.00	8.57	0.01	0.00
2.87	2.00	0.00	8.57	0.01	0.00	2.88	2.00	0.00	8.56	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	2.00	0.00	8.54	0.01	0.00
2.93	2.00	0.00	8.54	0.01	0.00	2.94	2.00	0.00	8.53	0.01	0.00
2.95	2.00	0.00	8.53	0.01	0.00	2.96	2.00	0.00	8.52	0.01	0.00
2.97	2.00	0.00	8.52	0.01	0.00	2.98	2.00	0.00	8.51	0.01	0.00
2.99	2.00	0.00	8.51	0.01	0.00	3.00	2.00	0.00	8.50	0.01	0.00
3.01	2.00	0.00	8.49	0.01	0.00	3.02	2.00	0.00	8.49	0.01	0.00
3.03	2.00	0.00	8.49	0.01	0.00	3.04	2.00	0.00	8.48	0.01	0.00
3.05	2.00	0.00	8.48	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	1.88	0.00	8.47	0.01	0.00	3.08	1.74	0.00	8.46	0.01	0.00
3.09	1.60	0.00	8.46	0.01	0.00	3.10	1.37	0.00	8.45	0.01	0.00
3.11	1.26	0.00	8.45	0.01	0.00	3.12	1.06	0.00	8.44	0.01	0.00
3.13	0.97	0.03	8.44	0.01	0.00	3.14	0.91	0.09	8.43	0.01	0.01
3.15	0.84	0.16	8.43	0.01	0.01	3.16	0.81	0.19	8.42	0.01	0.02
3.17	0.76	0.24	8.41	0.01	0.02	3.18	0.74	0.26	8.41	0.01	0.02
3.19	0.71	0.29	8.41	0.01	0.02	3.20	0.69	0.31	8.40	0.01	0.03
3.21	0.65	0.35	8.40	0.01	0.03	3.22	0.64	0.36	8.39	0.01	0.03
3.23	0.63	0.37	8.39	0.01	0.03	3.24	0.60	0.40	8.38	0.01	0.03
3.25	0.59	0.41	8.38	0.01	0.03	3.26	0.57	0.43	8.37	0.01	0.04
3.27	0.55	0.45	8.37	0.01	0.04	3.28	0.54	0.46	8.36	0.01	0.04
3.29	0.52	0.48	8.36	0.01	0.04	3.30	0.52	0.48	8.35	0.01	0.04
3.31	0.50	0.50	8.35	0.01	0.04	3.32	0.50	0.50	8.34	0.01	0.04
3.33	0.50	0.50	8.34	0.01	0.04	3.34	0.48	0.52	8.33	0.01	0.04
3.35	0.48	0.52	8.32	0.01	0.04	3.36	0.47	0.53	8.32	0.01	0.04
3.37	0.47	0.53	8.32	0.01	0.04	3.38	0.46	0.54	8.31	0.01	0.04
3.39	0.46	0.54	8.31	0.01	0.04	3.40	0.45	0.55	8.30	0.01	0.05
3.41	0.44	0.56	8.30	0.01	0.05	3.42	0.41	0.59	8.29	0.01	0.05
3.43	0.42	0.58	8.29	0.01	0.05	3.44	0.43	0.57	8.28	0.01	0.05
3.45	0.46	0.54	8.28	0.01	0.05	3.46	0.47	0.53	8.27	0.01	0.04
3.47	0.48	0.52	8.27	0.01	0.04	3.48	0.51	0.49	8.26	0.01	0.04
3.49	0.52	0.48	8.26	0.01	0.04	3.50	0.54	0.46	8.25	0.01	0.04
3.51	0.55	0.45	8.24	0.01	0.04	3.52	0.54	0.46	8.24	0.01	0.04
3.53	0.52	0.48	8.24	0.01	0.04	3.54	0.51	0.49	8.23	0.01	0.04
3.55	0.50	0.50	8.23	0.01	0.04	3.56	0.49	0.51	8.22	0.01	0.04
3.57	0.48	0.52	8.22	0.01	0.04	3.58	0.47	0.53	8.21	0.01	0.04
3.59	0.44	0.56	8.21	0.01	0.05	3.60	0.42	0.58	8.20	0.01	0.05
3.61	0.41	0.59	8.20	0.01	0.05	3.62	0.40	0.60	8.19	0.01	0.05
3.63	0.42	0.58	8.19	0.01	0.05	3.64	0.44	0.56	8.18	0.01	0.05
3.65	0.45	0.55	8.18	0.01	0.04	3.66	0.47	0.53	8.17	0.01	0.04
3.67	0.47	0.53	8.16	0.01	0.04	3.68	0.49	0.51	8.16	0.01	0.04
3.69	0.50	0.50	8.16	0.01	0.04	3.70	0.51	0.49	8.15	0.01	0.04
3.71	0.51	0.49	8.15	0.01	0.04	3.72	0.51	0.49	8.14	0.01	0.04
3.73	0.49	0.51	8.14	0.01	0.04	3.74	0.48	0.52	8.13	0.01	0.04
3.75	0.47	0.53	8.13	0.01	0.04	3.76	0.45	0.55	8.12	0.01	0.04
3.77	0.45	0.55	8.12	0.01	0.04	3.78	0.43	0.57	8.11	0.01	0.05
3.79	0.43	0.57	8.11	0.01	0.05	3.80	0.42	0.58	8.10	0.01	0.05
3.81	0.41	0.59	8.10	0.01	0.05	3.82	0.41	0.59	8.09	0.01	0.05
3.83	0.41	0.59	8.09	0.01	0.05	3.84	0.42	0.58	8.08	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.42	0.58	8.07	0.01	0.05	3.86	0.43	0.57	8.07	0.01	0.05
3.87	0.43	0.57	8.07	0.01	0.05	3.88	0.43	0.57	8.06	0.01	0.05
3.89	0.43	0.57	8.06	0.01	0.05	3.90	0.43	0.57	8.05	0.01	0.05
3.91	0.42	0.58	8.05	0.01	0.05	3.92	0.41	0.59	8.04	0.01	0.05
3.93	0.44	0.56	8.04	0.01	0.04	3.94	0.47	0.53	8.03	0.01	0.04
3.95	0.53	0.47	8.03	0.01	0.04	3.96	0.56	0.44	8.02	0.01	0.04
3.97	0.56	0.44	8.02	0.01	0.04	3.98	0.56	0.44	8.01	0.01	0.04
3.99	0.71	0.29	8.01	0.01	0.02	4.00	0.79	0.21	8.00	0.01	0.02
4.01	1.00	0.00	8.00	0.01	0.00	4.02	1.03	0.00	7.99	0.01	0.00
4.03	1.05	0.00	7.99	0.01	0.00	4.04	1.08	0.00	7.98	0.01	0.00
4.05	1.07	0.00	7.98	0.01	0.00	4.06	1.02	0.00	7.97	0.01	0.00
4.07	1.01	0.00	7.97	0.01	0.00	4.08	0.96	0.04	7.96	0.01	0.00
4.09	0.95	0.05	7.96	0.01	0.00	4.10	0.91	0.09	7.95	0.01	0.01
4.11	0.87	0.13	7.95	0.01	0.01	4.12	0.82	0.18	7.94	0.01	0.01
4.13	0.71	0.29	7.94	0.01	0.02	4.14	0.67	0.33	7.93	0.01	0.03
4.15	0.59	0.41	7.93	0.01	0.03	4.16	0.56	0.44	7.92	0.01	0.03
4.17	0.56	0.44	7.92	0.01	0.03	4.18	0.56	0.44	7.91	0.01	0.04
4.19	0.62	0.38	7.91	0.01	0.03	4.20	0.61	0.39	7.90	0.01	0.03
4.21	0.64	0.36	7.90	0.01	0.03	4.22	0.65	0.35	7.89	0.01	0.03
4.23	0.60	0.40	7.89	0.01	0.03	4.24	0.60	0.40	7.88	0.01	0.03
4.25	0.59	0.41	7.88	0.01	0.03	4.26	0.54	0.46	7.87	0.01	0.04
4.27	0.53	0.47	7.87	0.01	0.04	4.28	0.52	0.48	7.86	0.01	0.04
4.29	0.50	0.50	7.86	0.01	0.04	4.30	0.49	0.51	7.85	0.01	0.04
4.31	0.48	0.52	7.85	0.01	0.04	4.32	0.48	0.52	7.84	0.01	0.04
4.33	0.47	0.53	7.84	0.01	0.04	4.34	0.47	0.53	7.83	0.01	0.04
4.35	0.45	0.55	7.83	0.01	0.04	4.36	0.43	0.57	7.82	0.01	0.04
4.37	0.41	0.59	7.82	0.01	0.05	4.38	0.39	0.61	7.81	0.01	0.05
4.39	0.37	0.63	7.81	0.01	0.05	4.40	0.35	0.65	7.80	0.01	0.05
4.41	0.34	0.66	7.80	0.01	0.05	4.42	0.34	0.66	7.79	0.01	0.05
4.43	0.33	0.67	7.79	0.01	0.05	4.44	0.33	0.67	7.78	0.01	0.05
4.45	0.33	0.67	7.78	0.01	0.05	4.46	0.33	0.67	7.77	0.01	0.05
4.47	0.33	0.67	7.77	0.01	0.05	4.48	0.33	0.67	7.76	0.01	0.05
4.49	0.34	0.66	7.76	0.01	0.05	4.50	0.34	0.66	7.75	0.01	0.05
4.51	0.34	0.66	7.75	0.01	0.05	4.52	0.35	0.65	7.74	0.01	0.05
4.53	0.35	0.65	7.74	0.01	0.05	4.54	0.36	0.64	7.73	0.01	0.05
4.55	0.36	0.64	7.73	0.01	0.05	4.56	0.37	0.63	7.72	0.01	0.05
4.57	0.38	0.62	7.72	0.01	0.05	4.58	0.38	0.62	7.71	0.01	0.05
4.59	0.39	0.61	7.71	0.01	0.05	4.60	0.39	0.61	7.70	0.01	0.05
4.61	0.40	0.60	7.70	0.01	0.05	4.62	0.39	0.61	7.69	0.01	0.05
4.63	0.39	0.61	7.69	0.01	0.05	4.64	0.39	0.61	7.68	0.01	0.05
4.65	0.38	0.62	7.68	0.01	0.05	4.66	0.38	0.62	7.67	0.01	0.05
4.67	0.38	0.62	7.67	0.01	0.05	4.68	0.37	0.63	7.66	0.01	0.05
4.69	0.36	0.64	7.66	0.01	0.05	4.70	0.36	0.64	7.65	0.01	0.05
4.71	0.34	0.66	7.65	0.01	0.05	4.72	0.33	0.67	7.64	0.01	0.05
4.73	0.33	0.67	7.64	0.01	0.05	4.74	0.32	0.68	7.63	0.01	0.05
4.75	0.32	0.68	7.63	0.01	0.05	4.76	0.32	0.68	7.62	0.01	0.05
4.77	0.32	0.68	7.62	0.01	0.05	4.78	0.32	0.68	7.61	0.01	0.05
4.79	0.32	0.68	7.61	0.01	0.05	4.80	0.31	0.69	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.31	0.69	7.60	0.01	0.05	4.82	0.31	0.69	7.59	0.01	0.05
4.83	0.31	0.69	7.59	0.01	0.05	4.84	0.31	0.69	7.58	0.01	0.05
4.85	0.31	0.69	7.58	0.01	0.05	4.86	0.31	0.69	7.57	0.01	0.05
4.87	0.31	0.69	7.57	0.01	0.05	4.88	0.31	0.69	7.56	0.01	0.05
4.89	0.30	0.70	7.56	0.01	0.05	4.90	0.29	0.71	7.55	0.01	0.05
4.91	0.29	0.71	7.55	0.01	0.05	4.92	2.00	0.00	7.54	0.01	0.00
4.93	2.00	0.00	7.54	0.01	0.00	4.94	2.00	0.00	7.53	0.01	0.00
4.95	2.00	0.00	7.53	0.01	0.00	4.96	2.00	0.00	7.52	0.01	0.00
4.97	2.00	0.00	7.52	0.01	0.00	4.98	0.28	0.72	7.51	0.01	0.05
4.99	0.32	0.68	7.51	0.01	0.05	5.00	0.33	0.67	7.50	0.01	0.05
5.01	0.30	0.70	7.50	0.01	0.05	5.02	0.28	0.72	7.49	0.01	0.05
5.03	0.27	0.73	7.49	0.01	0.05	5.04	0.28	0.72	7.48	0.01	0.05
5.05	0.28	0.72	7.48	0.01	0.05	5.06	0.28	0.72	7.47	0.01	0.05
5.07	0.28	0.72	7.47	0.01	0.05	5.08	0.28	0.72	7.46	0.01	0.05
5.09	0.28	0.72	7.46	0.01	0.05	5.10	0.28	0.72	7.45	0.01	0.05
5.11	0.28	0.72	7.45	0.01	0.05	5.12	0.28	0.72	7.44	0.01	0.05
5.13	0.29	0.71	7.44	0.01	0.05	5.14	0.30	0.70	7.43	0.01	0.05
5.15	0.32	0.68	7.43	0.01	0.05	5.16	0.33	0.67	7.42	0.01	0.05
5.17	0.34	0.66	7.42	0.01	0.05	5.18	0.34	0.66	7.41	0.01	0.05
5.19	0.34	0.66	7.41	0.01	0.05	5.20	0.35	0.65	7.40	0.01	0.05
5.21	0.35	0.65	7.40	0.01	0.05	5.22	0.35	0.65	7.39	0.01	0.05
5.23	0.35	0.65	7.39	0.01	0.05	5.24	0.35	0.65	7.38	0.01	0.05
5.25	0.34	0.66	7.38	0.01	0.05	5.26	0.34	0.66	7.37	0.01	0.05
5.27	0.33	0.67	7.37	0.01	0.05	5.28	0.33	0.67	7.36	0.01	0.05
5.29	0.33	0.67	7.36	0.01	0.05	5.30	0.32	0.68	7.35	0.01	0.05
5.31	0.33	0.67	7.35	0.01	0.05	5.32	0.33	0.67	7.34	0.01	0.05
5.33	0.33	0.67	7.34	0.01	0.05	5.34	0.33	0.67	7.33	0.01	0.05
5.35	0.33	0.67	7.33	0.01	0.05	5.36	0.33	0.67	7.32	0.01	0.05
5.37	0.33	0.67	7.32	0.01	0.05	5.38	0.33	0.67	7.31	0.01	0.05
5.39	0.32	0.68	7.31	0.01	0.05	5.40	0.31	0.69	7.30	0.01	0.05
5.41	0.30	0.70	7.30	0.01	0.05	5.42	0.29	0.71	7.29	0.01	0.05
5.43	0.29	0.71	7.29	0.01	0.05	5.44	0.29	0.71	7.28	0.01	0.05
5.45	0.28	0.72	7.28	0.01	0.05	5.46	0.27	0.73	7.27	0.01	0.05
5.47	0.27	0.73	7.27	0.01	0.05	5.48	0.27	0.73	7.26	0.01	0.05
5.49	0.27	0.73	7.26	0.01	0.05	5.50	0.27	0.73	7.25	0.01	0.05
5.51	0.27	0.73	7.25	0.01	0.05	5.52	0.27	0.73	7.24	0.01	0.05
5.53	0.28	0.72	7.24	0.01	0.05	5.54	0.29	0.71	7.23	0.01	0.05
5.55	0.30	0.70	7.23	0.01	0.05	5.56	0.31	0.69	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.30	0.70	7.21	0.01	0.05
5.59	0.30	0.70	7.21	0.01	0.05	5.60	0.29	0.71	7.20	0.01	0.05
5.61	0.28	0.72	7.20	0.01	0.05	5.62	0.27	0.73	7.19	0.01	0.05
5.63	0.27	0.73	7.19	0.01	0.05	5.64	0.27	0.73	7.18	0.01	0.05
5.65	0.28	0.72	7.18	0.01	0.05	5.66	0.29	0.71	7.17	0.01	0.05
5.67	0.29	0.71	7.17	0.01	0.05	5.68	0.31	0.69	7.16	0.01	0.05
5.69	0.31	0.69	7.16	0.01	0.05	5.70	0.32	0.68	7.15	0.01	0.05
5.71	0.32	0.68	7.15	0.01	0.05	5.72	0.33	0.67	7.14	0.01	0.05
5.73	0.33	0.67	7.14	0.01	0.05	5.74	0.33	0.67	7.13	0.01	0.05
5.75	0.33	0.67	7.13	0.01	0.05	5.76	0.33	0.67	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.33	0.67	7.12	0.01	0.05	5.78	0.33	0.67	7.11	0.01	0.05
5.79	0.33	0.67	7.11	0.01	0.05	5.80	0.33	0.67	7.10	0.01	0.05
5.81	0.33	0.67	7.10	0.01	0.05	5.82	0.33	0.67	7.09	0.01	0.05
5.83	0.33	0.67	7.09	0.01	0.05	5.84	0.32	0.68	7.08	0.01	0.05
5.85	0.32	0.68	7.08	0.01	0.05	5.86	0.32	0.68	7.07	0.01	0.05
5.87	0.32	0.68	7.07	0.01	0.05	5.88	0.32	0.68	7.06	0.01	0.05
5.89	0.32	0.68	7.06	0.01	0.05	5.90	0.32	0.68	7.05	0.01	0.05
5.91	0.32	0.68	7.05	0.01	0.05	5.92	0.31	0.69	7.04	0.01	0.05
5.93	0.30	0.70	7.04	0.01	0.05	5.94	0.30	0.70	7.03	0.01	0.05
5.95	0.28	0.72	7.03	0.01	0.05	5.96	0.29	0.71	7.02	0.01	0.05
5.97	0.28	0.72	7.02	0.01	0.05	5.98	0.27	0.73	7.01	0.01	0.05
5.99	0.28	0.72	7.01	0.01	0.05	6.00	0.30	0.70	7.00	0.01	0.05
6.01	0.31	0.69	7.00	0.01	0.05	6.02	0.31	0.69	6.99	0.01	0.05
6.03	0.30	0.70	6.99	0.01	0.05	6.04	0.30	0.70	6.98	0.01	0.05
6.05	0.28	0.72	6.98	0.01	0.05	6.06	0.27	0.73	6.97	0.01	0.05
6.07	0.26	0.74	6.97	0.01	0.05	6.08	0.25	0.75	6.96	0.01	0.05
6.09	0.27	0.73	6.96	0.01	0.05	6.10	0.30	0.70	6.95	0.01	0.05
6.11	0.29	0.71	6.95	0.01	0.05	6.12	0.29	0.71	6.94	0.01	0.05
6.13	0.29	0.71	6.94	0.01	0.05	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	0.29	0.71	6.87	0.01	0.05	6.28	0.35	0.65	6.86	0.01	0.04
6.29	0.30	0.70	6.86	0.01	0.05	6.30	0.30	0.70	6.85	0.01	0.05
6.31	0.32	0.68	6.85	0.01	0.05	6.32	0.34	0.66	6.84	0.01	0.05
6.33	0.37	0.63	6.84	0.01	0.04	6.34	0.38	0.62	6.83	0.01	0.04
6.35	0.39	0.61	6.83	0.01	0.04	6.36	0.40	0.60	6.82	0.01	0.04
6.37	0.40	0.60	6.82	0.01	0.04	6.38	0.39	0.61	6.81	0.01	0.04
6.39	0.38	0.62	6.81	0.01	0.04	6.40	0.37	0.63	6.80	0.01	0.04
6.41	0.36	0.64	6.80	0.01	0.04	6.42	0.35	0.65	6.79	0.01	0.04
6.43	0.34	0.66	6.79	0.01	0.04	6.44	0.34	0.66	6.78	0.01	0.05
6.45	0.33	0.67	6.78	0.01	0.05	6.46	0.32	0.68	6.77	0.01	0.05
6.47	0.31	0.69	6.77	0.01	0.05	6.48	0.31	0.69	6.76	0.01	0.05
6.49	0.32	0.68	6.76	0.01	0.05	6.50	0.33	0.67	6.75	0.01	0.05
6.51	0.33	0.67	6.75	0.01	0.04	6.52	0.35	0.65	6.74	0.01	0.04
6.53	0.36	0.64	6.74	0.01	0.04	6.54	0.36	0.64	6.73	0.01	0.04
6.55	0.36	0.64	6.73	0.01	0.04	6.56	0.37	0.63	6.72	0.01	0.04
6.57	0.36	0.64	6.72	0.01	0.04	6.58	0.36	0.64	6.71	0.01	0.04
6.59	0.35	0.65	6.71	0.01	0.04	6.60	0.35	0.65	6.70	0.01	0.04
6.61	0.34	0.66	6.70	0.01	0.04	6.62	0.34	0.66	6.69	0.01	0.04
6.63	0.32	0.68	6.69	0.01	0.05	6.64	0.31	0.69	6.68	0.01	0.05
6.65	0.30	0.70	6.68	0.01	0.05	6.66	0.29	0.71	6.67	0.01	0.05
6.67	0.29	0.71	6.67	0.01	0.05	6.68	0.29	0.71	6.66	0.01	0.05
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	0.30	0.70	6.53	0.01	0.05
6.95	0.33	0.67	6.53	0.01	0.04	6.96	0.34	0.66	6.52	0.01	0.04
6.97	0.34	0.66	6.52	0.01	0.04	6.98	0.32	0.68	6.51	0.01	0.04
6.99	0.33	0.67	6.51	0.01	0.04	7.00	0.30	0.70	6.50	0.01	0.05
7.01	0.29	0.71	6.50	0.01	0.05	7.02	0.31	0.69	6.49	0.01	0.05
7.03	0.31	0.69	6.49	0.01	0.04	7.04	0.31	0.69	6.48	0.01	0.04
7.05	0.32	0.68	6.48	0.01	0.04	7.06	0.30	0.70	6.47	0.01	0.05
7.07	0.30	0.70	6.47	0.01	0.05	7.08	0.30	0.70	6.46	0.01	0.05
7.09	0.29	0.71	6.46	0.01	0.05	7.10	0.29	0.71	6.45	0.01	0.05
7.11	0.29	0.71	6.45	0.01	0.05	7.12	0.28	0.72	6.44	0.01	0.05
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	0.22	0.78	5.72	0.01	0.04
8.57	0.27	0.73	5.72	0.01	0.04	8.58	0.45	0.55	5.71	0.01	0.03
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00

**Overall liquefaction potential: 15.88**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

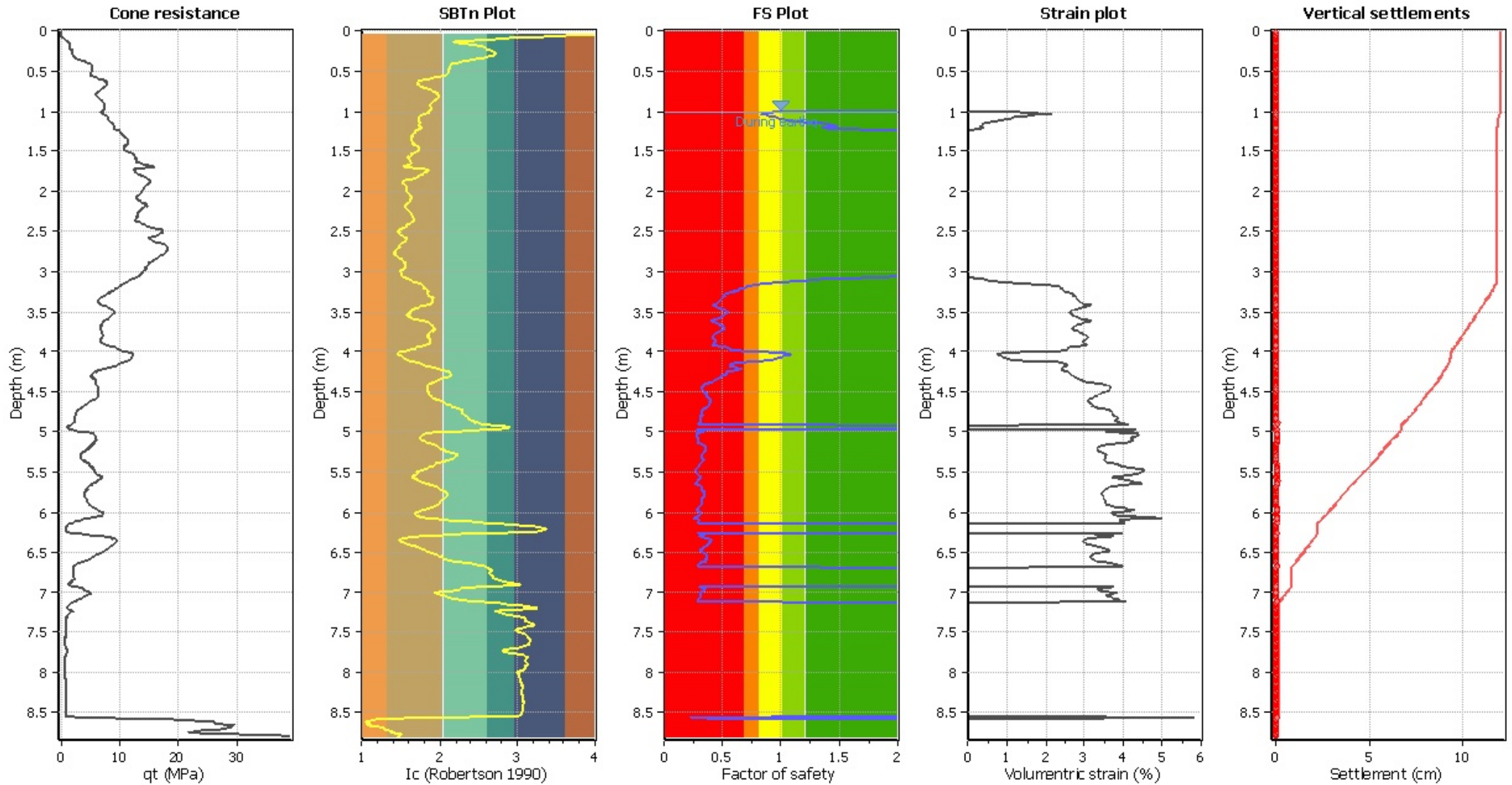
**Abbreviations**

FS: Calculated factor of safety for test point

F<sub>L</sub>: 1 - FSw<sub>z</sub>: Function value of the extend of soil liquefaction according to depthd<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	128.45	2.00	0.00	1.00	0.00	1.01	128.95	0.94	1.31	1.00	0.01
1.02	128.17	0.92	1.41	1.00	0.01	1.03	125.46	0.87	1.75	1.00	0.02
1.04	123.27	0.83	2.15	1.00	0.02	1.05	126.22	0.87	1.71	1.00	0.02
1.06	128.18	0.90	1.50	1.00	0.01	1.07	130.03	0.93	1.33	1.00	0.01
1.08	132.54	0.97	1.14	1.00	0.01	1.09	133.05	0.98	1.11	1.00	0.01
1.10	135.23	1.02	0.98	1.00	0.01	1.11	136.74	1.05	0.89	1.00	0.01
1.12	138.42	1.08	0.81	1.00	0.01	1.13	141.77	1.16	0.65	1.00	0.01
1.14	143.11	1.19	0.60	1.00	0.01	1.15	144.62	1.23	0.54	1.00	0.01
1.16	148.31	1.35	0.40	1.00	0.00	1.17	150.66	1.43	0.33	1.00	0.00
1.18	152.01	1.48	0.28	1.00	0.00	1.19	150.83	1.43	0.33	1.00	0.00
1.20	149.16	1.36	0.39	1.00	0.00	1.21	149.66	1.37	0.38	1.00	0.00
1.22	150.66	1.41	0.35	1.00	0.00	1.23	155.86	1.63	0.18	1.00	0.00
1.24	159.56	1.82	0.08	1.00	0.00	1.25	163.92	2.00	0.00	1.00	0.00
1.26	171.13	2.00	0.00	1.00	0.00	1.27	172.47	2.00	0.00	1.00	0.00
1.28	173.31	2.00	0.00	1.00	0.00	1.29	173.98	2.00	0.00	1.00	0.00
1.30	174.99	2.00	0.00	1.00	0.00	1.31	178.04	2.00	0.00	1.00	0.00
1.32	179.76	2.00	0.00	1.00	0.00	1.33	183.11	2.00	0.00	1.00	0.00
1.34	184.17	2.00	0.00	1.00	0.00	1.35	183.94	2.00	0.00	1.00	0.00
1.36	184.83	2.00	0.00	1.00	0.00	1.37	184.80	2.00	0.00	1.00	0.00
1.38	184.42	2.00	0.00	1.00	0.00	1.39	183.93	2.00	0.00	1.00	0.00
1.40	183.44	2.00	0.00	1.00	0.00	1.41	182.03	2.00	0.00	1.00	0.00
1.42	180.73	2.00	0.00	1.00	0.00	1.43	177.10	2.00	0.00	1.00	0.00
1.44	175.33	2.00	0.00	1.00	0.00	1.45	173.44	2.00	0.00	1.00	0.00
1.46	171.90	2.00	0.00	1.00	0.00	1.47	171.78	2.00	0.00	1.00	0.00
1.48	172.26	2.00	0.00	1.00	0.00	1.49	175.56	2.00	0.00	1.00	0.00
1.50	177.54	2.00	0.00	1.00	0.00	1.51	181.70	2.00	0.00	1.00	0.00
1.52	183.54	2.00	0.00	1.00	0.00	1.53	188.69	2.00	0.00	1.00	0.00
1.54	190.08	2.00	0.00	1.00	0.00	1.55	191.36	2.00	0.00	1.00	0.00
1.56	193.09	2.00	0.00	1.00	0.00	1.57	193.67	2.00	0.00	1.00	0.00
1.58	194.14	2.00	0.00	1.00	0.00	1.59	194.49	2.00	0.00	1.00	0.00
1.60	191.19	2.00	0.00	1.00	0.00	1.61	190.64	2.00	0.00	1.00	0.00
1.62	191.11	2.00	0.00	1.00	0.00	1.63	195.56	2.00	0.00	1.00	0.00
1.64	193.20	2.00	0.00	1.00	0.00	1.65	194.23	2.00	0.00	1.00	0.00
1.66	205.56	2.00	0.00	1.00	0.00	1.67	213.04	2.00	0.00	1.00	0.00
1.68	227.73	2.00	0.00	1.00	0.00	1.69	227.09	2.00	0.00	1.00	0.00
1.70	221.40	2.00	0.00	1.00	0.00	1.71	191.63	2.00	0.00	1.00	0.00
1.72	189.84	2.00	0.00	1.00	0.00	1.73	192.64	2.00	0.00	1.00	0.00
1.74	195.59	2.00	0.00	1.00	0.00	1.75	192.71	2.00	0.00	1.00	0.00
1.76	191.61	2.00	0.00	1.00	0.00	1.77	189.65	2.00	0.00	1.00	0.00
1.78	191.23	2.00	0.00	1.00	0.00	1.79	192.72	2.00	0.00	1.00	0.00
1.80	197.08	2.00	0.00	1.00	0.00	1.81	198.54	2.00	0.00	1.00	0.00
1.82	199.78	2.00	0.00	1.00	0.00	1.83	203.44	2.00	0.00	1.00	0.00
1.84	204.99	2.00	0.00	1.00	0.00	1.85	208.61	2.00	0.00	1.00	0.00
1.86	209.72	2.00	0.00	1.00	0.00	1.87	212.00	2.00	0.00	1.00	0.00
1.88	211.28	2.00	0.00	1.00	0.00	1.89	210.03	2.00	0.00	1.00	0.00
1.90	208.77	2.00	0.00	1.00	0.00	1.91	205.44	2.00	0.00	1.00	0.00
1.92	203.41	2.00	0.00	1.00	0.00	1.93	202.03	2.00	0.00	1.00	0.00
1.94	199.56	2.00	0.00	1.00	0.00	1.95	198.40	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	197.45	2.00	0.00	1.00	0.00	1.97	197.17	2.00	0.00	1.00	0.00
1.98	196.89	2.00	0.00	1.00	0.00	1.99	190.78	2.00	0.00	1.00	0.00
2.00	192.16	2.00	0.00	1.00	0.00	2.01	192.36	2.00	0.00	1.00	0.00
2.02	190.57	2.00	0.00	1.00	0.00	2.03	189.21	2.00	0.00	1.00	0.00
2.04	187.42	2.00	0.00	1.00	0.00	2.05	184.17	2.00	0.00	1.00	0.00
2.06	182.70	2.00	0.00	1.00	0.00	2.07	181.45	2.00	0.00	1.00	0.00
2.08	180.98	2.00	0.00	1.00	0.00	2.09	181.41	2.00	0.00	1.00	0.00
2.10	182.06	2.00	0.00	1.00	0.00	2.11	184.38	2.00	0.00	1.00	0.00
2.12	186.14	2.00	0.00	1.00	0.00	2.13	188.55	2.00	0.00	1.00	0.00
2.14	193.47	2.00	0.00	1.00	0.00	2.15	195.52	2.00	0.00	1.00	0.00
2.16	197.24	2.00	0.00	1.00	0.00	2.17	198.73	2.00	0.00	1.00	0.00
2.18	198.71	2.00	0.00	1.00	0.00	2.19	197.71	2.00	0.00	1.00	0.00
2.20	194.75	2.00	0.00	1.00	0.00	2.21	190.80	2.00	0.00	1.00	0.00
2.22	189.57	2.00	0.00	1.00	0.00	2.23	187.69	2.00	0.00	1.00	0.00
2.24	185.24	2.00	0.00	1.00	0.00	2.25	183.90	2.00	0.00	1.00	0.00
2.26	182.77	2.00	0.00	1.00	0.00	2.27	181.65	2.00	0.00	1.00	0.00
2.28	181.74	2.00	0.00	1.00	0.00	2.29	181.29	2.00	0.00	1.00	0.00
2.30	180.49	2.00	0.00	1.00	0.00	2.31	179.92	2.00	0.00	1.00	0.00
2.32	179.24	2.00	0.00	1.00	0.00	2.33	177.06	2.00	0.00	1.00	0.00
2.34	175.50	2.00	0.00	1.00	0.00	2.35	173.82	2.00	0.00	1.00	0.00
2.36	173.82	2.00	0.00	1.00	0.00	2.37	174.47	2.00	0.00	1.00	0.00
2.38	177.67	2.00	0.00	1.00	0.00	2.39	180.08	2.00	0.00	1.00	0.00
2.40	186.29	2.00	0.00	1.00	0.00	2.41	189.67	2.00	0.00	1.00	0.00
2.42	194.54	2.00	0.00	1.00	0.00	2.43	196.14	2.00	0.00	1.00	0.00
2.44	197.53	2.00	0.00	1.00	0.00	2.45	203.30	2.00	0.00	1.00	0.00
2.46	207.11	2.00	0.00	1.00	0.00	2.47	216.26	2.00	0.00	1.00	0.00
2.48	220.20	2.00	0.00	1.00	0.00	2.49	224.31	2.00	0.00	1.00	0.00
2.50	224.70	2.00	0.00	1.00	0.00	2.51	223.24	2.00	0.00	1.00	0.00
2.52	219.59	2.00	0.00	1.00	0.00	2.53	217.49	2.00	0.00	1.00	0.00
2.54	214.13	2.00	0.00	1.00	0.00	2.55	212.22	2.00	0.00	1.00	0.00
2.56	210.20	2.00	0.00	1.00	0.00	2.57	202.55	2.00	0.00	1.00	0.00
2.58	199.33	2.00	0.00	1.00	0.00	2.59	196.53	2.00	0.00	1.00	0.00
2.60	196.73	2.00	0.00	1.00	0.00	2.61	200.57	2.00	0.00	1.00	0.00
2.62	204.17	2.00	0.00	1.00	0.00	2.63	208.38	2.00	0.00	1.00	0.00
2.64	217.48	2.00	0.00	1.00	0.00	2.65	220.99	2.00	0.00	1.00	0.00
2.66	225.08	2.00	0.00	1.00	0.00	2.67	226.00	2.00	0.00	1.00	0.00
2.68	227.43	2.00	0.00	1.00	0.00	2.69	227.83	2.00	0.00	1.00	0.00
2.70	228.33	2.00	0.00	1.00	0.00	2.71	229.55	2.00	0.00	1.00	0.00
2.72	229.85	2.00	0.00	1.00	0.00	2.73	229.11	2.00	0.00	1.00	0.00
2.74	227.44	2.00	0.00	1.00	0.00	2.75	225.25	2.00	0.00	1.00	0.00
2.76	224.93	2.00	0.00	1.00	0.00	2.77	224.09	2.00	0.00	1.00	0.00
2.78	223.56	2.00	0.00	1.00	0.00	2.79	222.09	2.00	0.00	1.00	0.00
2.80	218.78	2.00	0.00	1.00	0.00	2.81	216.17	2.00	0.00	1.00	0.00
2.82	212.30	2.00	0.00	1.00	0.00	2.83	209.88	2.00	0.00	1.00	0.00
2.84	206.61	2.00	0.00	1.00	0.00	2.85	205.23	2.00	0.00	1.00	0.00
2.86	201.39	2.00	0.00	1.00	0.00	2.87	199.70	2.00	0.00	1.00	0.00
2.88	197.80	2.00	0.00	1.00	0.00	2.89	195.14	2.00	0.00	1.00	0.00
2.90	193.44	2.00	0.00	1.00	0.00	2.91	190.88	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	190.24	2.00	0.00	1.00	0.00	2.93	188.53	2.00	0.00	1.00	0.00
2.94	187.67	2.00	0.00	1.00	0.00	2.95	187.67	2.00	0.00	1.00	0.00
2.96	187.99	2.00	0.00	1.00	0.00	2.97	187.88	2.00	0.00	1.00	0.00
2.98	187.78	2.00	0.00	1.00	0.00	2.99	183.49	2.00	0.00	1.00	0.00
3.00	183.17	2.00	0.00	1.00	0.00	3.01	179.51	2.00	0.00	1.00	0.00
3.02	178.33	2.00	0.00	1.00	0.00	3.03	176.49	2.00	0.00	1.00	0.00
3.04	175.96	2.00	0.00	1.00	0.00	3.05	175.21	2.00	0.00	1.00	0.00
3.06	172.60	2.00	0.00	1.00	0.00	3.07	168.68	1.88	0.05	1.00	0.00
3.08	166.60	1.74	0.12	1.00	0.00	3.09	164.30	1.60	0.20	1.00	0.00
3.10	159.78	1.37	0.37	1.00	0.00	3.11	157.12	1.26	0.49	1.00	0.00
3.12	151.21	1.06	0.79	1.00	0.01	3.13	148.07	0.97	0.99	1.00	0.01
3.14	145.60	0.91	1.18	1.00	0.01	3.15	142.21	0.84	1.50	1.00	0.02
3.16	140.76	0.81	1.67	1.00	0.02	3.17	138.10	0.76	2.06	1.00	0.02
3.18	137.11	0.74	2.24	1.00	0.02	3.19	134.85	0.71	2.34	1.00	0.02
3.20	133.72	0.69	2.36	1.00	0.02	3.21	130.80	0.65	2.42	1.00	0.02
3.22	129.78	0.64	2.44	1.00	0.02	3.23	129.51	0.63	2.44	1.00	0.02
3.24	126.68	0.60	2.50	1.00	0.03	3.25	126.22	0.59	2.51	1.00	0.03
3.26	123.35	0.57	2.58	1.00	0.03	3.27	121.89	0.55	2.61	1.00	0.03
3.28	120.61	0.54	2.64	1.00	0.03	3.29	117.82	0.52	2.71	1.00	0.03
3.30	118.12	0.52	2.70	1.00	0.03	3.31	115.84	0.50	2.76	1.00	0.03
3.32	116.16	0.50	2.75	1.00	0.03	3.33	115.86	0.50	2.76	1.00	0.03
3.34	113.96	0.48	2.81	1.00	0.03	3.35	113.38	0.48	2.82	1.00	0.03
3.36	112.24	0.47	2.85	1.00	0.03	3.37	111.45	0.47	2.87	1.00	0.03
3.38	110.93	0.46	2.89	1.00	0.03	3.39	110.74	0.46	2.89	1.00	0.03
3.40	108.47	0.45	2.95	1.00	0.03	3.41	107.07	0.44	2.99	1.00	0.03
3.42	101.87	0.41	3.15	1.00	0.03	3.43	103.50	0.42	3.10	1.00	0.03
3.44	105.60	0.43	3.04	1.00	0.03	3.45	110.07	0.46	2.91	1.00	0.03
3.46	111.90	0.47	2.86	1.00	0.03	3.47	113.84	0.48	2.81	1.00	0.03
3.48	117.42	0.51	2.72	1.00	0.03	3.49	119.11	0.52	2.68	1.00	0.03
3.50	121.84	0.54	2.61	1.00	0.03	3.51	122.11	0.55	2.61	1.00	0.03
3.52	121.45	0.54	2.62	1.00	0.03	3.53	119.51	0.52	2.67	1.00	0.03
3.54	118.61	0.51	2.69	1.00	0.03	3.55	116.78	0.50	2.73	1.00	0.03
3.56	116.12	0.49	2.75	1.00	0.03	3.57	114.40	0.48	2.79	1.00	0.03
3.58	112.45	0.47	2.84	1.00	0.03	3.59	107.64	0.44	2.98	1.00	0.03
3.60	105.18	0.42	3.05	1.00	0.03	3.61	102.76	0.41	3.12	1.00	0.03
3.62	101.02	0.40	3.18	1.00	0.03	3.63	104.75	0.42	3.06	1.00	0.03
3.64	107.66	0.44	2.98	1.00	0.03	3.65	110.53	0.45	2.90	1.00	0.03
3.66	112.74	0.47	2.84	1.00	0.03	3.67	113.77	0.47	2.81	1.00	0.03
3.68	116.49	0.49	2.74	1.00	0.03	3.69	117.26	0.50	2.72	1.00	0.03
3.70	118.56	0.51	2.69	1.00	0.03	3.71	118.47	0.51	2.69	1.00	0.03
3.72	118.16	0.51	2.70	1.00	0.03	3.73	116.72	0.49	2.73	1.00	0.03
3.74	114.84	0.48	2.78	1.00	0.03	3.75	112.93	0.47	2.83	1.00	0.03
3.76	110.94	0.45	2.89	1.00	0.03	3.77	109.84	0.45	2.92	1.00	0.03
3.78	107.91	0.43	2.97	1.00	0.03	3.79	106.72	0.43	3.00	1.00	0.03
3.80	105.14	0.42	3.05	1.00	0.03	3.81	104.88	0.41	3.06	1.00	0.03
3.82	103.82	0.41	3.09	1.00	0.03	3.83	104.67	0.41	3.07	1.00	0.03
3.84	105.33	0.42	3.05	1.00	0.03	3.85	106.52	0.42	3.01	1.00	0.03
3.86	107.60	0.43	2.98	1.00	0.03	3.87	108.23	0.43	2.96	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	108.59	0.43	2.95	1.00	0.03	3.89	107.14	0.43	2.99	1.00	0.03
3.90	107.42	0.43	2.98	1.00	0.03	3.91	105.55	0.42	3.04	1.00	0.03
3.92	104.66	0.41	3.07	1.00	0.03	3.93	110.07	0.44	2.91	1.00	0.03
3.94	113.70	0.47	2.81	1.00	0.03	3.95	121.34	0.53	2.62	1.00	0.03
3.96	124.92	0.56	2.54	1.00	0.03	3.97	124.84	0.56	2.54	1.00	0.03
3.98	124.76	0.56	2.55	1.00	0.03	3.99	136.62	0.71	2.30	1.00	0.02
4.00	141.65	0.79	1.73	1.00	0.02	4.01	150.92	1.00	0.90	1.00	0.01
4.02	151.83	1.03	0.84	1.00	0.01	4.03	152.40	1.05	0.81	1.00	0.01
4.04	153.41	1.08	0.75	1.00	0.01	4.05	153.12	1.07	0.76	1.00	0.01
4.06	151.73	1.02	0.85	1.00	0.01	4.07	151.10	1.01	0.89	1.00	0.01
4.08	149.49	0.96	1.00	1.00	0.01	4.09	149.19	0.95	1.02	1.00	0.01
4.10	147.25	0.91	1.17	1.00	0.01	4.11	145.52	0.87	1.32	1.00	0.01
4.12	143.35	0.82	1.54	1.00	0.02	4.13	137.30	0.71	2.29	1.00	0.02
4.14	134.22	0.67	2.35	1.00	0.02	4.15	128.10	0.59	2.47	1.00	0.02
4.16	125.44	0.56	2.53	1.00	0.03	4.17	125.35	0.56	2.53	1.00	0.03
4.18	124.90	0.56	2.54	1.00	0.03	4.19	130.89	0.62	2.42	1.00	0.02
4.20	129.91	0.61	2.44	1.00	0.02	4.21	132.25	0.64	2.39	1.00	0.02
4.22	133.31	0.65	2.37	1.00	0.02	4.23	129.43	0.60	2.45	1.00	0.02
4.24	128.99	0.60	2.46	1.00	0.02	4.25	127.91	0.59	2.48	1.00	0.02
4.26	123.33	0.54	2.58	1.00	0.03	4.27	122.32	0.53	2.60	1.00	0.03
4.28	120.86	0.52	2.63	1.00	0.03	4.29	118.69	0.50	2.69	1.00	0.03
4.30	117.81	0.49	2.71	1.00	0.03	4.31	116.80	0.48	2.73	1.00	0.03
4.32	116.73	0.48	2.73	1.00	0.03	4.33	115.02	0.47	2.78	1.00	0.03
4.34	114.75	0.47	2.78	1.00	0.03	4.35	112.40	0.45	2.85	1.00	0.03
4.36	109.08	0.43	2.94	1.00	0.03	4.37	106.23	0.41	3.02	1.00	0.03
4.38	101.42	0.39	3.17	1.00	0.03	4.39	97.97	0.37	3.28	1.00	0.03
4.40	94.50	0.35	3.40	1.00	0.03	4.41	91.64	0.34	3.51	1.00	0.04
4.42	89.91	0.34	3.58	1.00	0.04	4.43	88.99	0.33	3.61	1.00	0.04
4.44	88.09	0.33	3.65	1.00	0.04	4.45	87.96	0.33	3.65	1.00	0.04
4.46	87.96	0.33	3.65	1.00	0.04	4.47	88.30	0.33	3.64	1.00	0.04
4.48	88.94	0.33	3.62	1.00	0.04	4.49	90.11	0.34	3.57	1.00	0.04
4.50	91.26	0.34	3.52	1.00	0.04	4.51	92.72	0.34	3.47	1.00	0.03
4.52	93.57	0.35	3.44	1.00	0.03	4.53	95.22	0.35	3.38	1.00	0.03
4.54	96.24	0.36	3.34	1.00	0.03	4.55	97.68	0.36	3.29	1.00	0.03
4.56	99.48	0.37	3.23	1.00	0.03	4.57	100.28	0.38	3.20	1.00	0.03
4.58	101.60	0.38	3.16	1.00	0.03	4.59	103.62	0.39	3.10	1.00	0.03
4.60	102.68	0.39	3.13	1.00	0.03	4.61	104.53	0.40	3.07	1.00	0.03
4.62	103.03	0.39	3.12	1.00	0.03	4.63	103.40	0.39	3.10	1.00	0.03
4.64	104.23	0.39	3.08	1.00	0.03	4.65	101.47	0.38	3.17	1.00	0.03
4.66	101.77	0.38	3.16	1.00	0.03	4.67	101.27	0.38	3.17	1.00	0.03
4.68	98.72	0.37	3.26	1.00	0.03	4.69	97.51	0.36	3.30	1.00	0.03
4.70	96.08	0.36	3.35	1.00	0.03	4.71	92.05	0.34	3.49	1.00	0.03
4.72	90.61	0.33	3.55	1.00	0.04	4.73	89.11	0.33	3.61	1.00	0.04
4.74	86.98	0.32	3.70	1.00	0.04	4.75	86.67	0.32	3.71	1.00	0.04
4.76	86.48	0.32	3.72	1.00	0.04	4.77	86.70	0.32	3.71	1.00	0.04
4.78	86.66	0.32	3.71	1.00	0.04	4.79	86.12	0.32	3.73	1.00	0.04
4.80	84.49	0.31	3.80	1.00	0.04	4.81	84.09	0.31	3.82	1.00	0.04
4.82	83.50	0.31	3.85	1.00	0.04	4.83	83.39	0.31	3.85	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	83.90	0.31	3.83	1.00	0.04	4.85	84.71	0.31	3.79	1.00	0.04
4.86	84.98	0.31	3.78	1.00	0.04	4.87	84.63	0.31	3.80	1.00	0.04
4.88	83.51	0.31	3.85	1.00	0.04	4.89	82.34	0.30	3.90	1.00	0.04
4.90	79.20	0.29	4.05	1.00	0.04	4.91	77.54	0.29	4.13	1.00	0.04
4.92	19.04	2.00	0.00	1.00	0.00	4.93	14.87	2.00	0.00	1.00	0.00
4.94	13.96	2.00	0.00	1.00	0.00	4.95	12.82	2.00	0.00	1.00	0.00
4.96	18.34	2.00	0.00	1.00	0.00	4.97	18.34	2.00	0.00	1.00	0.00
4.98	73.81	0.28	4.33	1.00	0.04	4.99	87.59	0.32	3.67	1.00	0.04
5.00	90.49	0.33	3.55	1.00	0.04	5.01	80.36	0.30	3.99	1.00	0.04
5.02	73.89	0.28	4.32	1.00	0.04	5.03	72.29	0.27	4.41	1.00	0.04
5.04	72.67	0.28	4.39	1.00	0.04	5.05	73.72	0.28	4.33	1.00	0.04
5.06	74.14	0.28	4.31	1.00	0.04	5.07	75.73	0.28	4.22	1.00	0.04
5.08	76.39	0.28	4.19	1.00	0.04	5.09	76.46	0.28	4.19	1.00	0.04
5.10	75.42	0.28	4.24	1.00	0.04	5.11	75.27	0.28	4.25	1.00	0.04
5.12	76.37	0.28	4.19	1.00	0.04	5.13	78.67	0.29	4.07	1.00	0.04
5.14	83.17	0.30	3.86	1.00	0.04	5.15	87.79	0.32	3.66	1.00	0.04
5.16	90.35	0.33	3.56	1.00	0.04	5.17	93.20	0.34	3.45	1.00	0.03
5.18	94.89	0.34	3.39	1.00	0.03	5.19	94.90	0.34	3.39	1.00	0.03
5.20	95.98	0.35	3.35	1.00	0.03	5.21	96.44	0.35	3.33	1.00	0.03
5.22	95.43	0.35	3.37	1.00	0.03	5.23	95.81	0.35	3.36	1.00	0.03
5.24	96.06	0.35	3.35	1.00	0.03	5.25	93.43	0.34	3.44	1.00	0.03
5.26	93.08	0.34	3.45	1.00	0.03	5.27	92.30	0.33	3.48	1.00	0.03
5.28	90.27	0.33	3.56	1.00	0.04	5.29	90.28	0.33	3.56	1.00	0.04
5.30	90.01	0.32	3.57	1.00	0.04	5.31	90.57	0.33	3.55	1.00	0.04
5.32	90.53	0.33	3.55	1.00	0.04	5.33	90.50	0.33	3.55	1.00	0.04
5.34	91.99	0.33	3.50	1.00	0.03	5.35	91.82	0.33	3.50	1.00	0.04
5.36	92.20	0.33	3.49	1.00	0.03	5.37	91.03	0.33	3.53	1.00	0.04
5.38	91.30	0.33	3.52	1.00	0.04	5.39	87.79	0.32	3.66	1.00	0.04
5.40	86.19	0.31	3.73	1.00	0.04	5.41	82.94	0.30	3.87	1.00	0.04
5.42	80.92	0.29	3.97	1.00	0.04	5.43	80.30	0.29	3.99	1.00	0.04
5.44	77.92	0.29	4.11	1.00	0.04	5.45	76.05	0.28	4.21	1.00	0.04
5.46	73.06	0.27	4.37	1.00	0.04	5.47	71.03	0.27	4.49	1.00	0.04
5.48	70.06	0.27	4.55	1.00	0.05	5.49	70.77	0.27	4.50	1.00	0.05
5.50	70.97	0.27	4.49	1.00	0.04	5.51	71.51	0.27	4.46	1.00	0.04
5.52	72.62	0.27	4.40	1.00	0.04	5.53	76.36	0.28	4.19	1.00	0.04
5.54	78.83	0.29	4.07	1.00	0.04	5.55	81.62	0.30	3.93	1.00	0.04
5.56	86.10	0.31	3.73	1.00	0.04	5.57	86.73	0.31	3.71	1.00	0.04
5.58	84.32	0.30	3.81	1.00	0.04	5.59	82.24	0.30	3.90	1.00	0.04
5.60	80.39	0.29	3.99	1.00	0.04	5.61	76.37	0.28	4.19	1.00	0.04
5.62	74.28	0.27	4.30	1.00	0.04	5.63	72.78	0.27	4.39	1.00	0.04
5.64	71.21	0.27	4.48	1.00	0.04	5.65	74.60	0.28	4.29	1.00	0.04
5.66	79.32	0.29	4.04	1.00	0.04	5.67	81.73	0.29	3.93	1.00	0.04
5.68	85.45	0.31	3.76	1.00	0.04	5.69	88.17	0.31	3.65	1.00	0.04
5.70	88.92	0.32	3.62	1.00	0.04	5.71	90.43	0.32	3.56	1.00	0.04
5.72	91.63	0.33	3.51	1.00	0.04	5.73	91.97	0.33	3.50	1.00	0.03
5.74	92.76	0.33	3.47	1.00	0.03	5.75	93.23	0.33	3.45	1.00	0.03
5.76	93.37	0.33	3.44	1.00	0.03	5.77	93.27	0.33	3.45	1.00	0.03
5.78	93.46	0.33	3.44	1.00	0.03	5.79	93.25	0.33	3.45	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	93.21	0.33	3.45	1.00	0.03	5.81	92.86	0.33	3.46	1.00	0.03
5.82	91.86	0.33	3.50	1.00	0.04	5.83	92.25	0.33	3.49	1.00	0.03
5.84	91.41	0.32	3.52	1.00	0.04	5.85	90.96	0.32	3.54	1.00	0.04
5.86	91.07	0.32	3.53	1.00	0.04	5.87	90.92	0.32	3.54	1.00	0.04
5.88	91.19	0.32	3.53	1.00	0.04	5.89	91.07	0.32	3.53	1.00	0.04
5.90	90.77	0.32	3.54	1.00	0.04	5.91	88.82	0.32	3.62	1.00	0.04
5.92	88.31	0.31	3.64	1.00	0.04	5.93	85.38	0.30	3.76	1.00	0.04
5.94	82.70	0.30	3.88	1.00	0.04	5.95	78.39	0.28	4.09	1.00	0.04
5.96	79.59	0.29	4.03	1.00	0.04	5.97	77.27	0.28	4.14	1.00	0.04
5.98	74.51	0.27	4.29	1.00	0.04	5.99	79.01	0.28	4.06	1.00	0.04
6.00	82.65	0.30	3.88	1.00	0.04	6.01	87.38	0.31	3.68	1.00	0.04
6.02	87.00	0.31	3.69	1.00	0.04	6.03	85.85	0.30	3.74	1.00	0.04
6.04	83.92	0.30	3.83	1.00	0.04	6.05	77.31	0.28	4.14	1.00	0.04
6.06	72.90	0.27	4.38	1.00	0.04	6.07	68.16	0.26	4.66	1.00	0.05
6.08	63.11	0.25	5.00	1.00	0.05	6.09	73.28	0.27	4.36	1.00	0.04
6.10	83.06	0.30	3.87	1.00	0.04	6.11	81.14	0.29	3.95	1.00	0.04
6.12	81.12	0.29	3.96	1.00	0.04	6.13	79.76	0.29	4.02	1.00	0.04
6.14	17.57	2.00	0.00	1.00	0.00	6.15	15.79	2.00	0.00	1.00	0.00
6.16	14.60	2.00	0.00	1.00	0.00	6.17	13.41	2.00	0.00	1.00	0.00
6.18	10.92	2.00	0.00	1.00	0.00	6.19	9.73	2.00	0.00	1.00	0.00
6.20	8.89	2.00	0.00	1.00	0.00	6.21	8.65	2.00	0.00	1.00	0.00
6.22	8.76	2.00	0.00	1.00	0.00	6.23	8.88	2.00	0.00	1.00	0.00
6.24	9.23	2.00	0.00	1.00	0.00	6.25	10.40	2.00	0.00	1.00	0.00
6.26	16.15	2.00	0.00	1.00	0.00	6.27	80.14	0.29	4.00	1.00	0.04
6.28	98.87	0.35	3.25	1.00	0.03	6.29	85.48	0.30	3.76	1.00	0.04
6.30	85.71	0.30	3.75	1.00	0.04	6.31	91.62	0.32	3.51	1.00	0.04
6.32	96.38	0.34	3.34	1.00	0.03	6.33	103.22	0.37	3.11	1.00	0.03
6.34	105.24	0.38	3.05	1.00	0.03	6.35	107.99	0.39	2.97	1.00	0.03
6.36	108.38	0.40	2.96	1.00	0.03	6.37	108.22	0.40	2.96	1.00	0.03
6.38	106.99	0.39	3.00	1.00	0.03	6.39	105.87	0.38	3.03	1.00	0.03
6.40	103.32	0.37	3.11	1.00	0.03	6.41	101.56	0.36	3.16	1.00	0.03
6.42	99.90	0.35	3.22	1.00	0.03	6.43	97.06	0.34	3.31	1.00	0.03
6.44	95.50	0.34	3.37	1.00	0.03	6.45	94.02	0.33	3.42	1.00	0.03
6.46	90.40	0.32	3.56	1.00	0.04	6.47	89.15	0.31	3.61	1.00	0.04
6.48	88.04	0.31	3.65	1.00	0.04	6.49	90.20	0.32	3.56	1.00	0.04
6.50	93.66	0.33	3.43	1.00	0.03	6.51	95.00	0.33	3.38	1.00	0.03
6.52	97.99	0.35	3.28	1.00	0.03	6.53	101.02	0.36	3.18	1.00	0.03
6.54	100.33	0.36	3.20	1.00	0.03	6.55	102.02	0.36	3.15	1.00	0.03
6.56	102.69	0.37	3.13	1.00	0.03	6.57	100.91	0.36	3.18	1.00	0.03
6.58	101.52	0.36	3.16	1.00	0.03	6.59	99.52	0.35	3.23	1.00	0.03
6.60	99.01	0.35	3.25	1.00	0.03	6.61	97.87	0.34	3.28	1.00	0.03
6.62	97.09	0.34	3.31	1.00	0.03	6.63	90.23	0.32	3.56	1.00	0.04
6.64	88.35	0.31	3.64	1.00	0.04	6.65	86.20	0.30	3.73	1.00	0.04
6.66	82.54	0.29	3.89	1.00	0.04	6.67	81.70	0.29	3.93	1.00	0.04
6.68	80.62	0.29	3.98	1.00	0.04	6.69	22.93	2.00	0.00	1.00	0.00
6.70	22.57	2.00	0.00	1.00	0.00	6.71	22.90	2.00	0.00	1.00	0.00
6.72	22.32	2.00	0.00	1.00	0.00	6.73	22.30	2.00	0.00	1.00	0.00
6.74	22.07	2.00	0.00	1.00	0.00	6.75	21.94	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	23.51	2.00	0.00	1.00	0.00	6.77	23.83	2.00	0.00	1.00	0.00
6.78	23.37	2.00	0.00	1.00	0.00	6.79	22.68	2.00	0.00	1.00	0.00
6.80	22.44	2.00	0.00	1.00	0.00	6.81	22.87	2.00	0.00	1.00	0.00
6.82	23.76	2.00	0.00	1.00	0.00	6.83	24.64	2.00	0.00	1.00	0.00
6.84	24.51	2.00	0.00	1.00	0.00	6.85	23.48	2.00	0.00	1.00	0.00
6.86	20.55	2.00	0.00	1.00	0.00	6.87	18.51	2.00	0.00	1.00	0.00
6.88	16.59	2.00	0.00	1.00	0.00	6.89	13.75	2.00	0.00	1.00	0.00
6.90	12.61	2.00	0.00	1.00	0.00	6.91	12.15	2.00	0.00	1.00	0.00
6.92	14.08	2.00	0.00	1.00	0.00	6.93	22.28	2.00	0.00	1.00	0.00
6.94	85.73	0.30	3.75	1.00	0.04	6.95	95.19	0.33	3.38	1.00	0.03
6.96	97.45	0.34	3.30	1.00	0.03	6.97	96.23	0.34	3.34	1.00	0.03
6.98	92.05	0.32	3.49	1.00	0.03	6.99	94.58	0.33	3.40	1.00	0.03
7.00	85.20	0.30	3.77	1.00	0.04	7.01	83.62	0.29	3.84	1.00	0.04
7.02	87.37	0.31	3.68	1.00	0.04	7.03	88.45	0.31	3.63	1.00	0.04
7.04	89.95	0.31	3.57	1.00	0.04	7.05	90.76	0.32	3.54	1.00	0.04
7.06	87.04	0.30	3.69	1.00	0.04	7.07	86.33	0.30	3.72	1.00	0.04
7.08	84.95	0.30	3.78	1.00	0.04	7.09	81.67	0.29	3.93	1.00	0.04
7.10	81.91	0.29	3.92	1.00	0.04	7.11	82.81	0.29	3.88	1.00	0.04
7.12	78.82	0.28	4.07	1.00	0.04	7.13	20.17	2.00	0.00	1.00	0.00
7.14	17.93	2.00	0.00	1.00	0.00	7.15	16.80	2.00	0.00	1.00	0.00
7.16	14.11	2.00	0.00	1.00	0.00	7.17	12.32	2.00	0.00	1.00	0.00
7.18	11.19	2.00	0.00	1.00	0.00	7.19	10.07	2.00	0.00	1.00	0.00
7.20	9.50	2.00	0.00	1.00	0.00	7.21	10.28	2.00	0.00	1.00	0.00
7.22	13.40	2.00	0.00	1.00	0.00	7.23	20.05	2.00	0.00	1.00	0.00
7.24	21.92	2.00	0.00	1.00	0.00	7.25	19.81	2.00	0.00	1.00	0.00
7.26	17.37	2.00	0.00	1.00	0.00	7.27	14.15	2.00	0.00	1.00	0.00
7.28	12.69	2.00	0.00	1.00	0.00	7.29	11.68	2.00	0.00	1.00	0.00
7.30	10.90	2.00	0.00	1.00	0.00	7.31	10.11	2.00	0.00	1.00	0.00
7.32	8.99	2.00	0.00	1.00	0.00	7.33	8.66	2.00	0.00	1.00	0.00
7.34	8.54	2.00	0.00	1.00	0.00	7.35	8.42	2.00	0.00	1.00	0.00
7.36	8.31	2.00	0.00	1.00	0.00	7.37	8.08	2.00	0.00	1.00	0.00
7.38	7.41	2.00	0.00	1.00	0.00	7.39	6.85	2.00	0.00	1.00	0.00
7.40	6.73	2.00	0.00	1.00	0.00	7.41	6.73	2.00	0.00	1.00	0.00
7.42	6.84	2.00	0.00	1.00	0.00	7.43	6.95	2.00	0.00	1.00	0.00
7.44	7.17	2.00	0.00	1.00	0.00	7.45	7.39	2.00	0.00	1.00	0.00
7.46	7.49	2.00	0.00	1.00	0.00	7.47	7.60	2.00	0.00	1.00	0.00
7.48	7.49	2.00	0.00	1.00	0.00	7.49	7.37	2.00	0.00	1.00	0.00
7.50	7.15	2.00	0.00	1.00	0.00	7.51	7.15	2.00	0.00	1.00	0.00
7.52	6.81	2.00	0.00	1.00	0.00	7.53	6.70	2.00	0.00	1.00	0.00
7.54	6.69	2.00	0.00	1.00	0.00	7.55	6.69	2.00	0.00	1.00	0.00
7.56	6.47	2.00	0.00	1.00	0.00	7.57	6.46	2.00	0.00	1.00	0.00
7.58	6.35	2.00	0.00	1.00	0.00	7.59	6.35	2.00	0.00	1.00	0.00
7.60	6.34	2.00	0.00	1.00	0.00	7.61	6.23	2.00	0.00	1.00	0.00
7.62	6.23	2.00	0.00	1.00	0.00	7.63	6.34	2.00	0.00	1.00	0.00
7.64	6.33	2.00	0.00	1.00	0.00	7.65	6.44	2.00	0.00	1.00	0.00
7.66	6.44	2.00	0.00	1.00	0.00	7.67	6.55	2.00	0.00	1.00	0.00
7.68	6.77	2.00	0.00	1.00	0.00	7.69	7.20	2.00	0.00	1.00	0.00
7.70	7.86	2.00	0.00	1.00	0.00	7.71	9.40	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	9.95	2.00	0.00	1.00	0.00	7.73	10.27	2.00	0.00	1.00	0.00
7.74	10.05	2.00	0.00	1.00	0.00	7.75	9.71	2.00	0.00	1.00	0.00
7.76	9.16	2.00	0.00	1.00	0.00	7.77	8.39	2.00	0.00	1.00	0.00
7.78	7.73	2.00	0.00	1.00	0.00	7.79	7.06	2.00	0.00	1.00	0.00
7.80	6.40	2.00	0.00	1.00	0.00	7.81	6.29	2.00	0.00	1.00	0.00
7.82	6.18	2.00	0.00	1.00	0.00	7.83	6.07	2.00	0.00	1.00	0.00
7.84	5.95	2.00	0.00	1.00	0.00	7.85	5.95	2.00	0.00	1.00	0.00
7.86	5.95	2.00	0.00	1.00	0.00	7.87	5.95	2.00	0.00	1.00	0.00
7.88	5.95	2.00	0.00	1.00	0.00	7.89	5.94	2.00	0.00	1.00	0.00
7.90	5.94	2.00	0.00	1.00	0.00	7.91	5.94	2.00	0.00	1.00	0.00
7.92	6.05	2.00	0.00	1.00	0.00	7.93	6.04	2.00	0.00	1.00	0.00
7.94	6.04	2.00	0.00	1.00	0.00	7.95	6.04	2.00	0.00	1.00	0.00
7.96	6.04	2.00	0.00	1.00	0.00	7.97	6.03	2.00	0.00	1.00	0.00
7.98	6.03	2.00	0.00	1.00	0.00	7.99	6.14	2.00	0.00	1.00	0.00
8.00	6.14	2.00	0.00	1.00	0.00	8.01	6.24	2.00	0.00	1.00	0.00
8.02	6.24	2.00	0.00	1.00	0.00	8.03	6.35	2.00	0.00	1.00	0.00
8.04	6.35	2.00	0.00	1.00	0.00	8.05	6.34	2.00	0.00	1.00	0.00
8.06	6.34	2.00	0.00	1.00	0.00	8.07	6.34	2.00	0.00	1.00	0.00
8.08	6.45	2.00	0.00	1.00	0.00	8.09	6.44	2.00	0.00	1.00	0.00
8.10	6.55	2.00	0.00	1.00	0.00	8.11	6.55	2.00	0.00	1.00	0.00
8.12	6.55	2.00	0.00	1.00	0.00	8.13	6.54	2.00	0.00	1.00	0.00
8.14	6.54	2.00	0.00	1.00	0.00	8.15	6.54	2.00	0.00	1.00	0.00
8.16	6.54	2.00	0.00	1.00	0.00	8.17	6.53	2.00	0.00	1.00	0.00
8.18	6.53	2.00	0.00	1.00	0.00	8.19	6.53	2.00	0.00	1.00	0.00
8.20	6.64	2.00	0.00	1.00	0.00	8.21	6.63	2.00	0.00	1.00	0.00
8.22	6.85	2.00	0.00	1.00	0.00	8.23	6.95	2.00	0.00	1.00	0.00
8.24	6.95	2.00	0.00	1.00	0.00	8.25	6.84	2.00	0.00	1.00	0.00
8.26	6.84	2.00	0.00	1.00	0.00	8.27	6.83	2.00	0.00	1.00	0.00
8.28	6.72	2.00	0.00	1.00	0.00	8.29	6.72	2.00	0.00	1.00	0.00
8.30	6.72	2.00	0.00	1.00	0.00	8.31	6.82	2.00	0.00	1.00	0.00
8.32	6.82	2.00	0.00	1.00	0.00	8.33	6.71	2.00	0.00	1.00	0.00
8.34	6.71	2.00	0.00	1.00	0.00	8.35	6.71	2.00	0.00	1.00	0.00
8.36	6.70	2.00	0.00	1.00	0.00	8.37	6.70	2.00	0.00	1.00	0.00
8.38	6.59	2.00	0.00	1.00	0.00	8.39	6.69	2.00	0.00	1.00	0.00
8.40	6.69	2.00	0.00	1.00	0.00	8.41	6.69	2.00	0.00	1.00	0.00
8.42	6.69	2.00	0.00	1.00	0.00	8.43	6.79	2.00	0.00	1.00	0.00
8.44	6.79	2.00	0.00	1.00	0.00	8.45	6.79	2.00	0.00	1.00	0.00
8.46	6.89	2.00	0.00	1.00	0.00	8.47	6.89	2.00	0.00	1.00	0.00
8.48	6.99	2.00	0.00	1.00	0.00	8.49	6.99	2.00	0.00	1.00	0.00
8.50	7.10	2.00	0.00	1.00	0.00	8.51	7.09	2.00	0.00	1.00	0.00
8.52	7.09	2.00	0.00	1.00	0.00	8.53	7.19	2.00	0.00	1.00	0.00
8.54	7.51	2.00	0.00	1.00	0.00	8.55	7.83	2.00	0.00	1.00	0.00
8.56	53.32	0.22	5.81	1.00	0.06	8.57	75.94	0.27	4.21	1.00	0.04
8.58	118.54	0.45	2.69	1.00	0.03	8.59	183.48	2.00	0.00	1.00	0.00
8.60	244.90	2.00	0.00	1.00	0.00	8.61	254.00	2.00	0.00	1.00	0.00
8.62	254.00	2.00	0.00	1.00	0.00	8.63	254.00	2.00	0.00	1.00	0.00
8.64	254.00	2.00	0.00	1.00	0.00	8.65	254.00	2.00	0.00	1.00	0.00
8.66	254.00	2.00	0.00	1.00	0.00	8.67	254.00	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
8.68	254.00	2.00	0.00	1.00	0.00	8.69	254.00	2.00	0.00	1.00	0.00
8.70	254.00	2.00	0.00	1.00	0.00	8.71	254.00	2.00	0.00	1.00	0.00
8.72	254.00	2.00	0.00	1.00	0.00	8.73	237.92	2.00	0.00	1.00	0.00
8.74	211.01	2.00	0.00	1.00	0.00	8.75	232.94	2.00	0.00	1.00	0.00
8.76	228.22	2.00	0.00	1.00	0.00	8.77	254.00	2.00	0.00	1.00	0.00
8.78	254.00	2.00	0.00	1.00	0.00	8.79	254.00	2.00	0.00	1.00	0.00
8.80	254.00	2.00	0.00	1.00	0.00						

**Total estimated settlement: 11.99**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

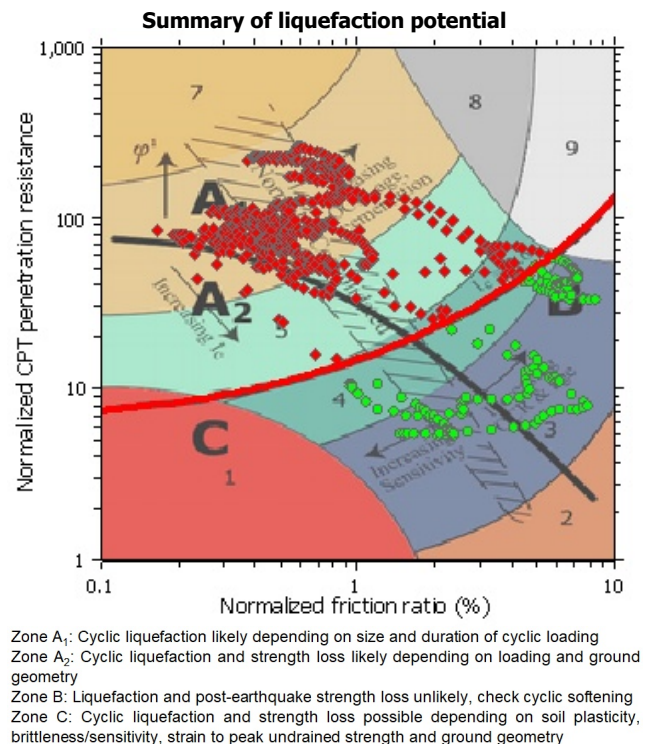
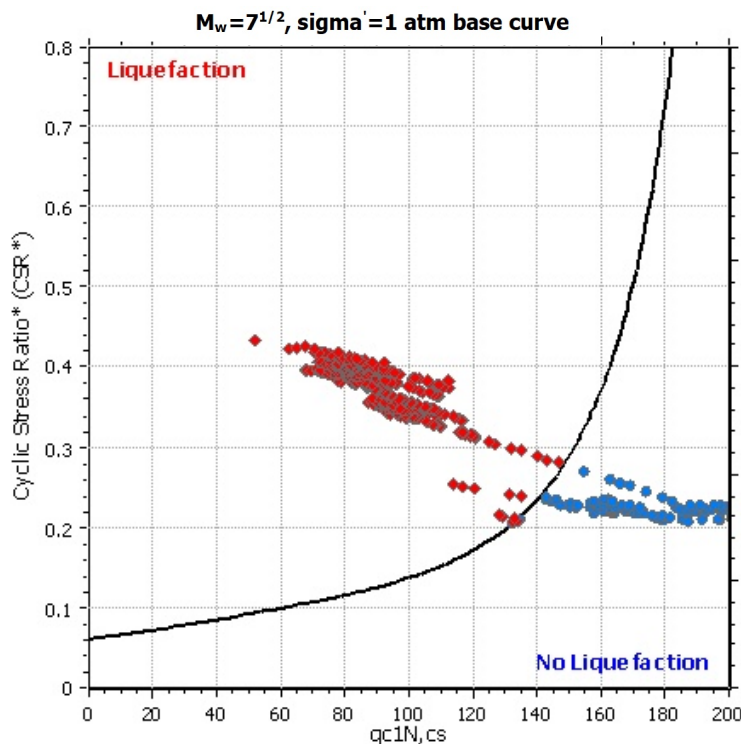
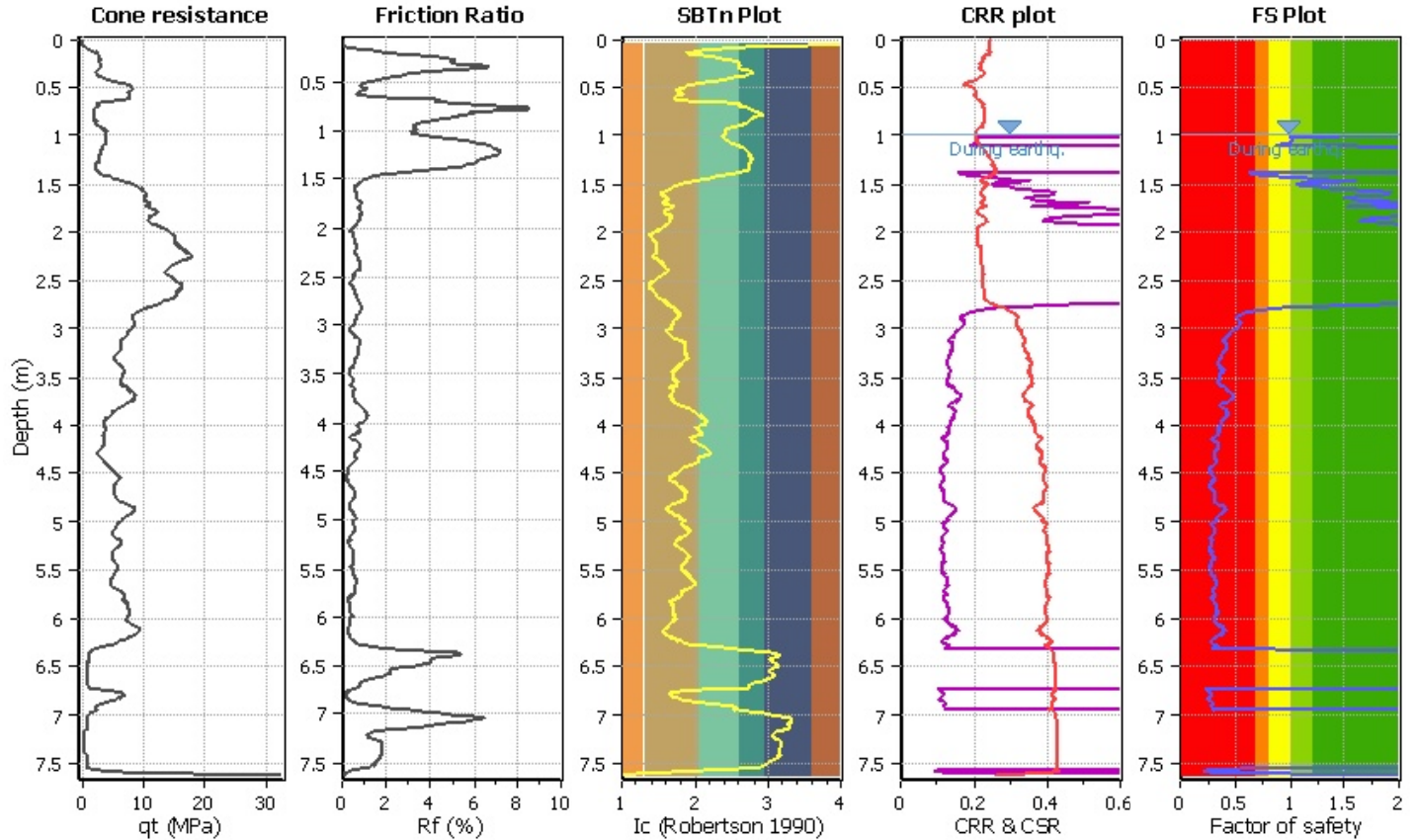
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

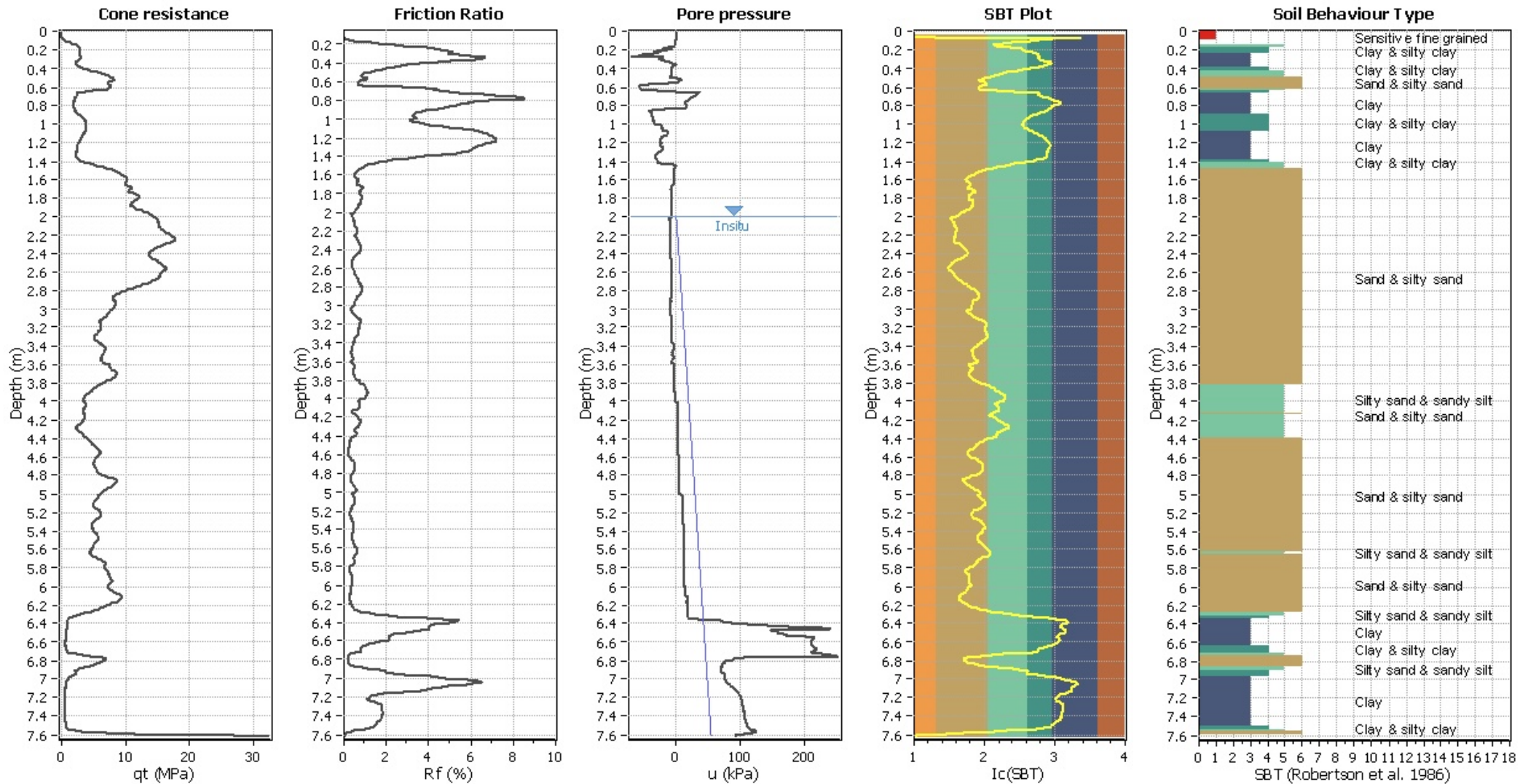
**CPT file : CPTU-07-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



### CPT basic interpretation plo



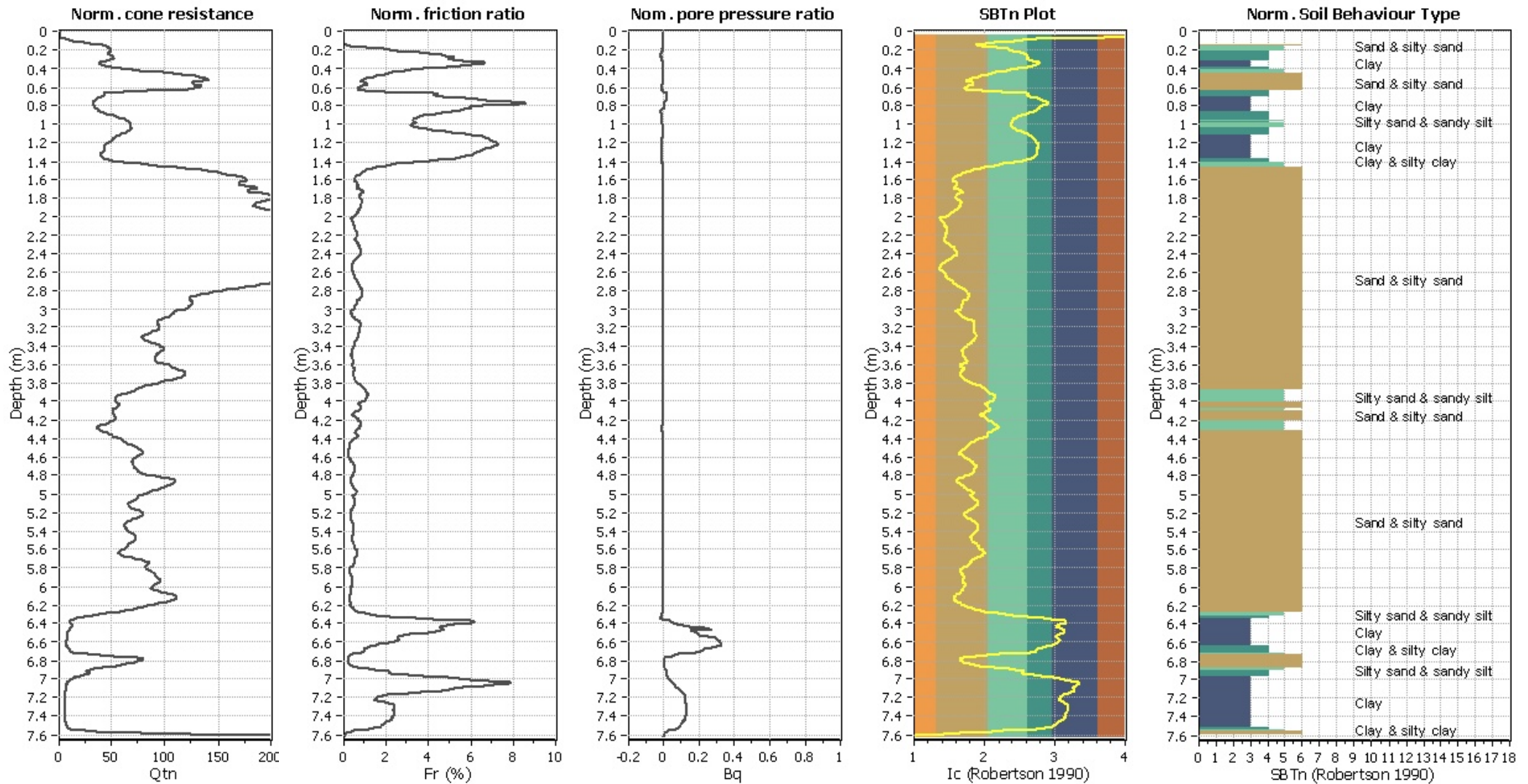
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



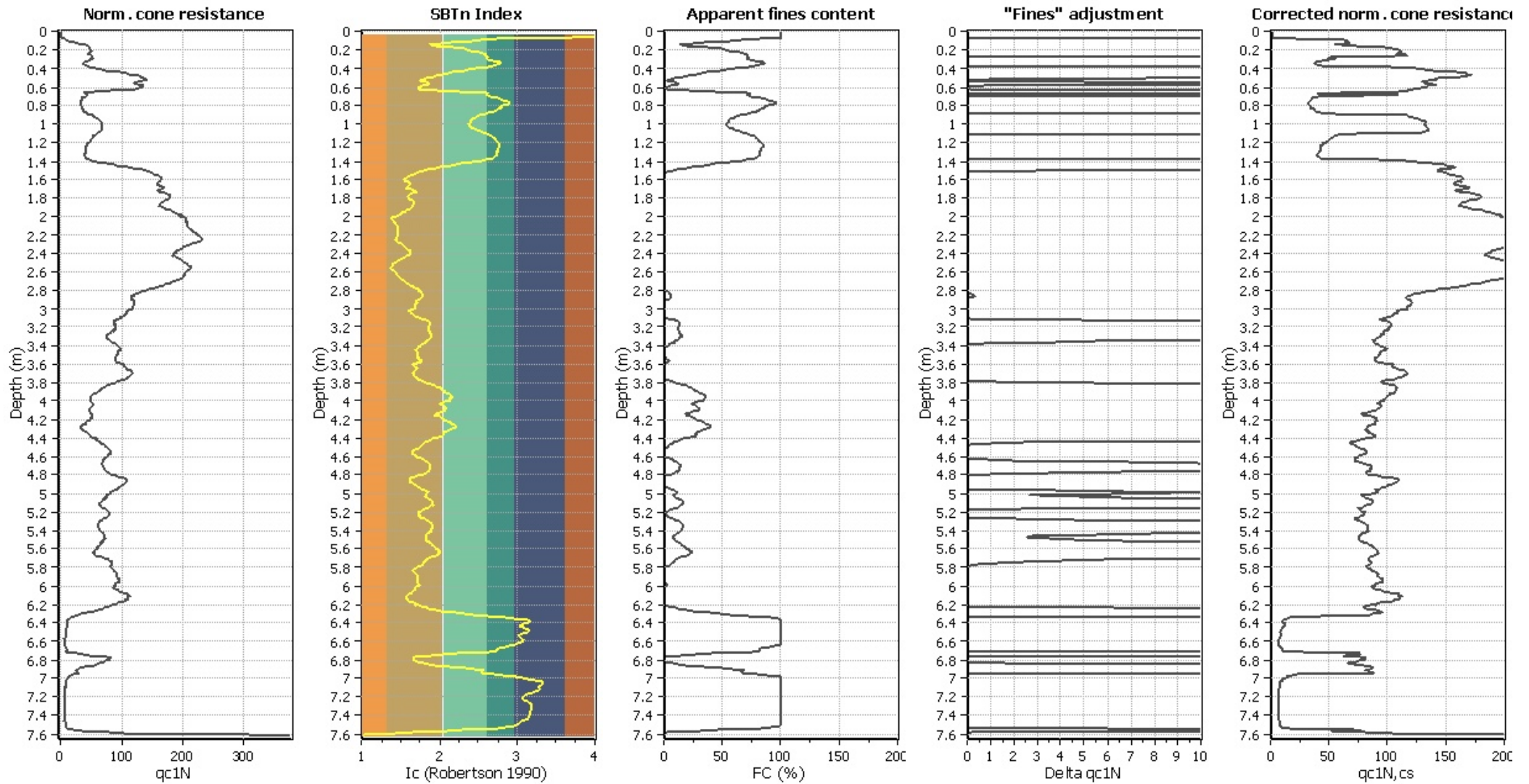
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

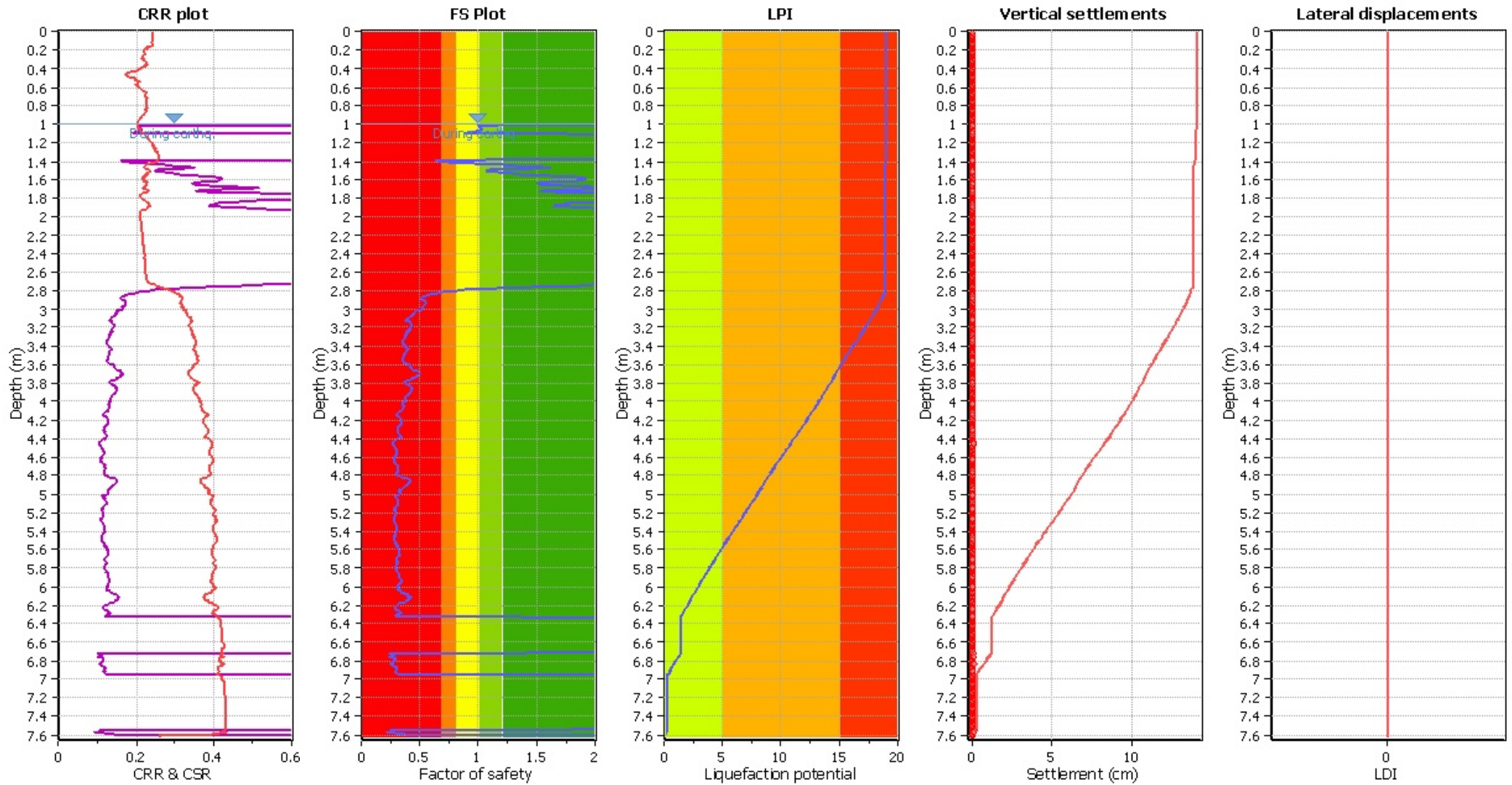
### Liquefaction analysis overall plots (intermediate resu



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (earthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

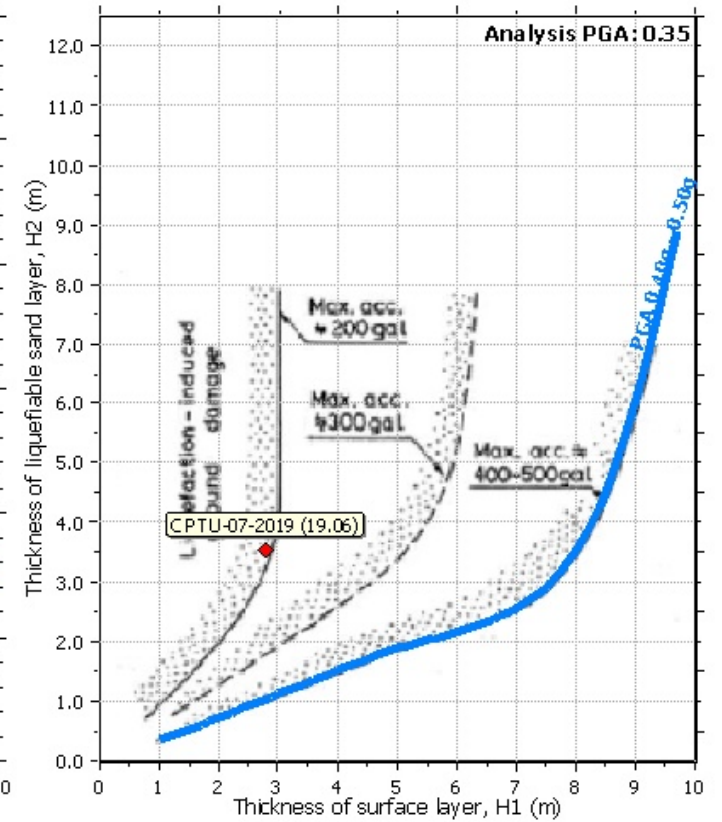
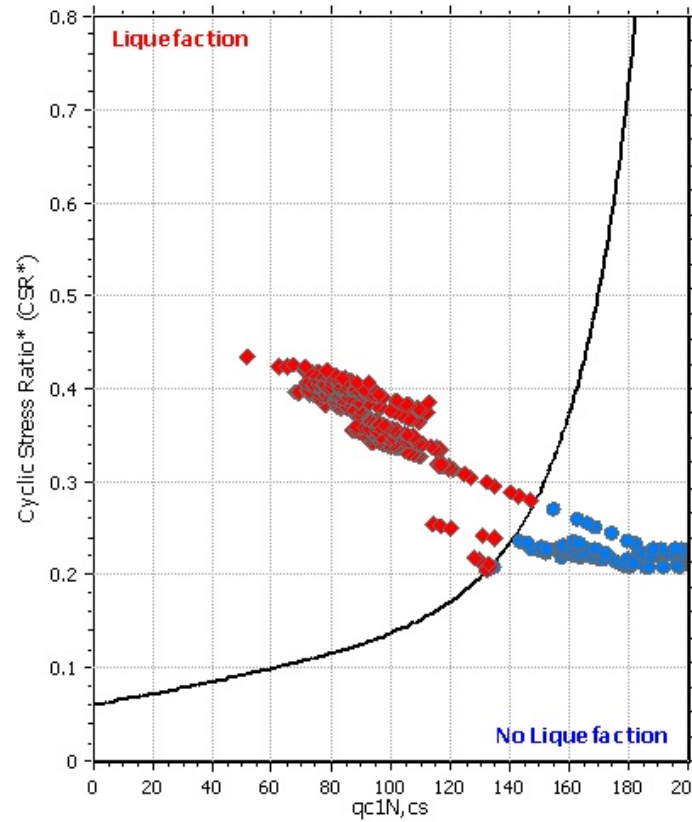
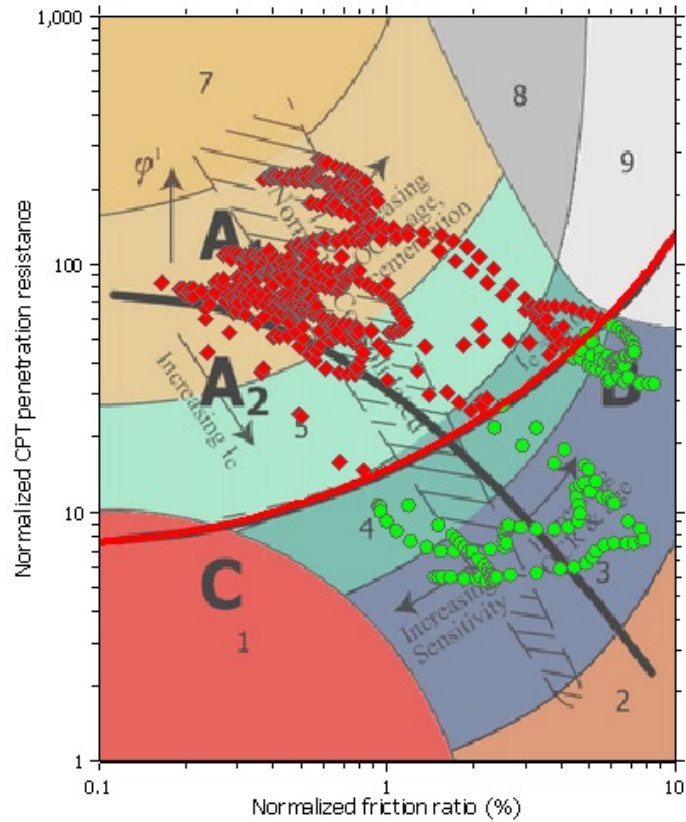
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

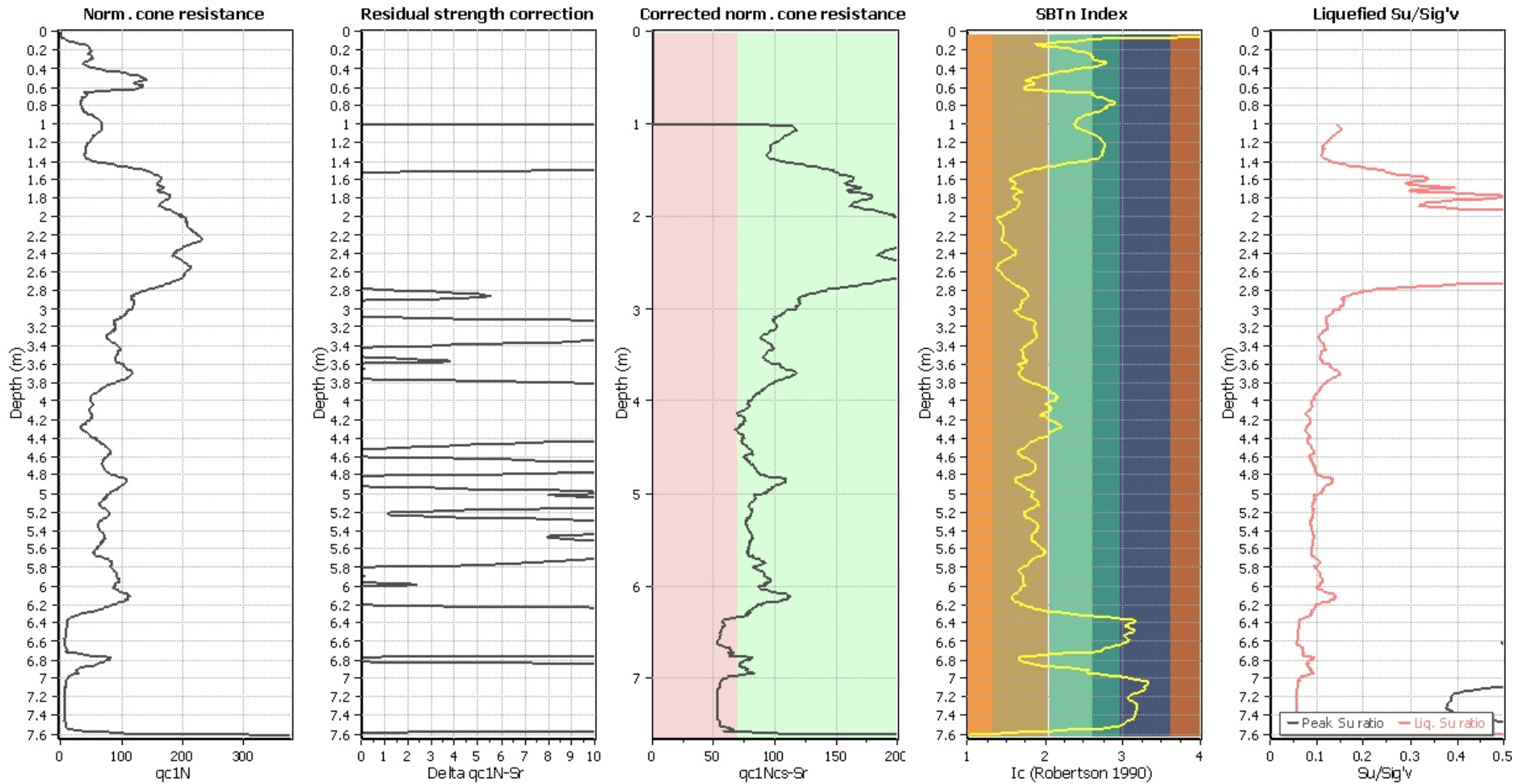
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	1.00	0.00	9.49	0.01	0.00	1.02	1.00	0.00	9.49	0.01	0.00
1.03	1.01	0.00	9.49	0.01	0.00	1.04	1.02	0.00	9.48	0.01	0.00
1.05	1.02	0.00	9.48	0.01	0.00	1.06	1.02	0.00	9.47	0.01	0.00
1.07	1.00	0.00	9.47	0.01	0.00	1.08	0.98	0.02	9.46	0.01	0.00
1.09	0.91	0.09	9.46	0.01	0.01	1.10	0.88	0.12	9.45	0.01	0.01
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	0.63	0.37	9.31	0.01	0.03	1.40	0.65	0.35	9.30	0.01	0.03
1.41	0.69	0.31	9.30	0.01	0.03	1.42	0.83	0.17	9.29	0.01	0.02
1.43	0.90	0.10	9.29	0.01	0.01	1.44	1.20	0.00	9.28	0.01	0.00
1.45	1.31	0.00	9.28	0.01	0.00	1.46	1.36	0.00	9.27	0.01	0.00
1.47	1.61	0.00	9.27	0.01	0.00	1.48	1.37	0.00	9.26	0.01	0.00
1.49	1.11	0.00	9.26	0.01	0.00	1.50	1.06	0.00	9.25	0.01	0.00
1.51	1.06	0.00	9.24	0.01	0.00	1.52	1.14	0.00	9.24	0.01	0.00
1.53	1.29	0.00	9.24	0.01	0.00	1.54	1.37	0.00	9.23	0.01	0.00
1.55	1.53	0.00	9.23	0.01	0.00	1.56	1.64	0.00	9.22	0.01	0.00
1.57	1.76	0.00	9.22	0.01	0.00	1.58	1.91	0.00	9.21	0.01	0.00
1.59	1.93	0.00	9.21	0.01	0.00	1.60	1.91	0.00	9.20	0.01	0.00
1.61	1.85	0.00	9.20	0.01	0.00	1.62	1.84	0.00	9.19	0.01	0.00
1.63	1.62	0.00	9.19	0.01	0.00	1.64	1.50	0.00	9.18	0.01	0.00
1.65	1.54	0.00	9.18	0.01	0.00	1.66	1.62	0.00	9.17	0.01	0.00
1.67	1.81	0.00	9.16	0.01	0.00	1.68	1.94	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	1.93	0.00	9.15	0.01	0.00	1.72	1.53	0.00	9.14	0.01	0.00
1.73	1.69	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	1.99	0.00	9.08	0.01	0.00
1.85	1.80	0.00	9.07	0.01	0.00	1.86	1.74	0.00	9.07	0.01	0.00
1.87	1.70	0.00	9.07	0.01	0.00	1.88	1.66	0.00	9.06	0.01	0.00
1.89	1.64	0.00	9.06	0.01	0.00	1.90	1.79	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	1.96	0.00	8.63	0.01	0.00
2.75	1.77	0.00	8.63	0.01	0.00	2.76	1.58	0.00	8.62	0.01	0.00
2.77	1.20	0.00	8.62	0.01	0.00	2.78	0.96	0.04	8.61	0.01	0.00
2.79	0.88	0.12	8.61	0.01	0.01	2.80	0.81	0.19	8.60	0.01	0.02
2.81	0.72	0.28	8.60	0.01	0.02	2.82	0.68	0.32	8.59	0.01	0.03
2.83	0.62	0.38	8.59	0.01	0.03	2.84	0.59	0.41	8.58	0.01	0.03
2.85	0.55	0.45	8.57	0.01	0.04	2.86	0.54	0.46	8.57	0.01	0.04
2.87	0.52	0.48	8.57	0.01	0.04	2.88	0.51	0.49	8.56	0.01	0.04

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.52	0.48	8.56	0.01	0.04	2.90	0.53	0.47	8.55	0.01	0.04
2.91	0.55	0.45	8.55	0.01	0.04	2.92	0.54	0.46	8.54	0.01	0.04
2.93	0.54	0.46	8.54	0.01	0.04	2.94	0.55	0.45	8.53	0.01	0.04
2.95	0.55	0.45	8.53	0.01	0.04	2.96	0.54	0.46	8.52	0.01	0.04
2.97	0.52	0.48	8.52	0.01	0.04	2.98	0.52	0.48	8.51	0.01	0.04
2.99	0.52	0.48	8.51	0.01	0.04	3.00	0.51	0.49	8.50	0.01	0.04
3.01	0.47	0.53	8.49	0.01	0.05	3.02	0.46	0.54	8.49	0.01	0.05
3.03	0.46	0.54	8.49	0.01	0.05	3.04	0.45	0.55	8.48	0.01	0.05
3.05	0.45	0.55	8.48	0.01	0.05	3.06	0.44	0.56	8.47	0.01	0.05
3.07	0.43	0.57	8.47	0.01	0.05	3.08	0.41	0.59	8.46	0.01	0.05
3.09	0.41	0.59	8.46	0.01	0.05	3.10	0.40	0.60	8.45	0.01	0.05
3.11	0.38	0.62	8.45	0.01	0.05	3.12	0.38	0.62	8.44	0.01	0.05
3.13	0.39	0.61	8.44	0.01	0.05	3.14	0.40	0.60	8.43	0.01	0.05
3.15	0.41	0.59	8.43	0.01	0.05	3.16	0.42	0.58	8.42	0.01	0.05
3.17	0.42	0.58	8.41	0.01	0.05	3.18	0.42	0.58	8.41	0.01	0.05
3.19	0.42	0.58	8.41	0.01	0.05	3.20	0.41	0.59	8.40	0.01	0.05
3.21	0.41	0.59	8.40	0.01	0.05	3.22	0.41	0.59	8.39	0.01	0.05
3.23	0.40	0.60	8.39	0.01	0.05	3.24	0.40	0.60	8.38	0.01	0.05
3.25	0.39	0.61	8.38	0.01	0.05	3.26	0.39	0.61	8.37	0.01	0.05
3.27	0.39	0.61	8.37	0.01	0.05	3.28	0.38	0.62	8.36	0.01	0.05
3.29	0.38	0.62	8.36	0.01	0.05	3.30	0.37	0.63	8.35	0.01	0.05
3.31	0.37	0.63	8.35	0.01	0.05	3.32	0.36	0.64	8.34	0.01	0.05
3.33	0.35	0.65	8.34	0.01	0.05	3.34	0.35	0.65	8.33	0.01	0.05
3.35	0.35	0.65	8.32	0.01	0.05	3.36	0.35	0.65	8.32	0.01	0.05
3.37	0.35	0.65	8.32	0.01	0.05	3.38	0.36	0.64	8.31	0.01	0.05
3.39	0.36	0.64	8.31	0.01	0.05	3.40	0.37	0.63	8.30	0.01	0.05
3.41	0.38	0.62	8.30	0.01	0.05	3.42	0.38	0.62	8.29	0.01	0.05
3.43	0.39	0.61	8.29	0.01	0.05	3.44	0.39	0.61	8.28	0.01	0.05
3.45	0.38	0.62	8.28	0.01	0.05	3.46	0.37	0.63	8.27	0.01	0.05
3.47	0.37	0.63	8.27	0.01	0.05	3.48	0.36	0.64	8.26	0.01	0.05
3.49	0.36	0.64	8.26	0.01	0.05	3.50	0.36	0.64	8.25	0.01	0.05
3.51	0.36	0.64	8.24	0.01	0.05	3.52	0.35	0.65	8.24	0.01	0.05
3.53	0.35	0.65	8.24	0.01	0.05	3.54	0.35	0.65	8.23	0.01	0.05
3.55	0.35	0.65	8.23	0.01	0.05	3.56	0.35	0.65	8.22	0.01	0.05
3.57	0.35	0.65	8.22	0.01	0.05	3.58	0.36	0.64	8.21	0.01	0.05
3.59	0.37	0.63	8.21	0.01	0.05	3.60	0.40	0.60	8.20	0.01	0.05
3.61	0.41	0.59	8.20	0.01	0.05	3.62	0.41	0.59	8.19	0.01	0.05
3.63	0.42	0.58	8.19	0.01	0.05	3.64	0.42	0.58	8.18	0.01	0.05
3.65	0.44	0.56	8.18	0.01	0.05	3.66	0.45	0.55	8.17	0.01	0.05
3.67	0.47	0.53	8.16	0.01	0.04	3.68	0.48	0.52	8.16	0.01	0.04
3.69	0.49	0.51	8.16	0.01	0.04	3.70	0.49	0.51	8.15	0.01	0.04
3.71	0.49	0.51	8.15	0.01	0.04	3.72	0.48	0.52	8.14	0.01	0.04
3.73	0.47	0.53	8.14	0.01	0.04	3.74	0.45	0.55	8.13	0.01	0.04
3.75	0.44	0.56	8.13	0.01	0.05	3.76	0.43	0.57	8.12	0.01	0.05
3.77	0.40	0.60	8.12	0.01	0.05	3.78	0.38	0.62	8.11	0.01	0.05
3.79	0.36	0.64	8.11	0.01	0.05	3.80	0.37	0.63	8.10	0.01	0.05
3.81	0.39	0.61	8.10	0.01	0.05	3.82	0.39	0.61	8.09	0.01	0.05
3.83	0.41	0.59	8.09	0.01	0.05	3.84	0.42	0.58	8.08	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.42	0.58	8.07	0.01	0.05	3.86	0.43	0.57	8.07	0.01	0.05
3.87	0.42	0.58	8.07	0.01	0.05	3.88	0.42	0.58	8.06	0.01	0.05
3.89	0.42	0.58	8.06	0.01	0.05	3.90	0.41	0.59	8.05	0.01	0.05
3.91	0.41	0.59	8.05	0.01	0.05	3.92	0.40	0.60	8.04	0.01	0.05
3.93	0.39	0.61	8.04	0.01	0.05	3.94	0.39	0.61	8.03	0.01	0.05
3.95	0.38	0.62	8.03	0.01	0.05	3.96	0.38	0.62	8.02	0.01	0.05
3.97	0.37	0.63	8.02	0.01	0.05	3.98	0.37	0.63	8.01	0.01	0.05
3.99	0.37	0.63	8.01	0.01	0.05	4.00	0.36	0.64	8.00	0.01	0.05
4.01	0.35	0.65	8.00	0.01	0.05	4.02	0.34	0.66	7.99	0.01	0.05
4.03	0.35	0.65	7.99	0.01	0.05	4.04	0.35	0.65	7.98	0.01	0.05
4.05	0.36	0.64	7.98	0.01	0.05	4.06	0.36	0.64	7.97	0.01	0.05
4.07	0.35	0.65	7.97	0.01	0.05	4.08	0.35	0.65	7.96	0.01	0.05
4.09	0.34	0.66	7.96	0.01	0.05	4.10	0.34	0.66	7.95	0.01	0.05
4.11	0.33	0.67	7.95	0.01	0.05	4.12	0.31	0.69	7.94	0.01	0.05
4.13	0.30	0.70	7.94	0.01	0.06	4.14	0.30	0.70	7.93	0.01	0.06
4.15	0.30	0.70	7.93	0.01	0.06	4.16	0.31	0.69	7.92	0.01	0.05
4.17	0.33	0.67	7.92	0.01	0.05	4.18	0.34	0.66	7.91	0.01	0.05
4.19	0.34	0.66	7.91	0.01	0.05	4.20	0.33	0.67	7.90	0.01	0.05
4.21	0.34	0.66	7.90	0.01	0.05	4.22	0.33	0.67	7.89	0.01	0.05
4.23	0.34	0.66	7.89	0.01	0.05	4.24	0.33	0.67	7.88	0.01	0.05
4.25	0.32	0.68	7.88	0.01	0.05	4.26	0.32	0.68	7.87	0.01	0.05
4.27	0.31	0.69	7.87	0.01	0.05	4.28	0.31	0.69	7.86	0.01	0.05
4.29	0.31	0.69	7.86	0.01	0.05	4.30	0.31	0.69	7.85	0.01	0.05
4.31	0.31	0.69	7.85	0.01	0.05	4.32	0.31	0.69	7.84	0.01	0.05
4.33	0.31	0.69	7.84	0.01	0.05	4.34	0.31	0.69	7.83	0.01	0.05
4.35	0.32	0.68	7.83	0.01	0.05	4.36	0.32	0.68	7.82	0.01	0.05
4.37	0.33	0.67	7.82	0.01	0.05	4.38	0.33	0.67	7.81	0.01	0.05
4.39	0.32	0.68	7.81	0.01	0.05	4.40	0.31	0.69	7.80	0.01	0.05
4.41	0.30	0.70	7.80	0.01	0.05	4.42	0.29	0.71	7.79	0.01	0.06
4.43	0.28	0.72	7.79	0.01	0.06	4.44	0.27	0.73	7.78	0.01	0.06
4.45	0.27	0.73	7.78	0.01	0.06	4.46	0.27	0.73	7.77	0.01	0.06
4.47	0.27	0.73	7.77	0.01	0.06	4.48	0.28	0.72	7.76	0.01	0.06
4.49	0.28	0.72	7.76	0.01	0.06	4.50	0.28	0.72	7.75	0.01	0.06
4.51	0.29	0.71	7.75	0.01	0.05	4.52	0.29	0.71	7.74	0.01	0.05
4.53	0.30	0.70	7.74	0.01	0.05	4.54	0.30	0.70	7.73	0.01	0.05
4.55	0.30	0.70	7.73	0.01	0.05	4.56	0.30	0.70	7.72	0.01	0.05
4.57	0.30	0.70	7.72	0.01	0.05	4.58	0.29	0.71	7.71	0.01	0.05
4.59	0.29	0.71	7.71	0.01	0.05	4.60	0.28	0.72	7.70	0.01	0.06
4.61	0.28	0.72	7.70	0.01	0.06	4.62	0.27	0.73	7.69	0.01	0.06
4.63	0.27	0.73	7.69	0.01	0.06	4.64	0.27	0.73	7.68	0.01	0.06
4.65	0.28	0.72	7.68	0.01	0.06	4.66	0.28	0.72	7.67	0.01	0.06
4.67	0.29	0.71	7.67	0.01	0.05	4.68	0.30	0.70	7.66	0.01	0.05
4.69	0.31	0.69	7.66	0.01	0.05	4.70	0.31	0.69	7.65	0.01	0.05
4.71	0.31	0.69	7.65	0.01	0.05	4.72	0.31	0.69	7.64	0.01	0.05
4.73	0.31	0.69	7.64	0.01	0.05	4.74	0.31	0.69	7.63	0.01	0.05
4.75	0.31	0.69	7.63	0.01	0.05	4.76	0.31	0.69	7.62	0.01	0.05
4.77	0.30	0.70	7.62	0.01	0.05	4.78	0.30	0.70	7.61	0.01	0.05
4.79	0.30	0.70	7.61	0.01	0.05	4.80	0.32	0.68	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.34	0.66	7.60	0.01	0.05	4.82	0.35	0.65	7.59	0.01	0.05
4.83	0.39	0.61	7.59	0.01	0.05	4.84	0.40	0.60	7.58	0.01	0.05
4.85	0.41	0.59	7.58	0.01	0.04	4.86	0.41	0.59	7.57	0.01	0.04
4.87	0.41	0.59	7.57	0.01	0.04	4.88	0.40	0.60	7.56	0.01	0.05
4.89	0.40	0.60	7.56	0.01	0.05	4.90	0.38	0.62	7.55	0.01	0.05
4.91	0.37	0.63	7.55	0.01	0.05	4.92	0.36	0.64	7.54	0.01	0.05
4.93	0.35	0.65	7.54	0.01	0.05	4.94	0.34	0.66	7.53	0.01	0.05
4.95	0.34	0.66	7.53	0.01	0.05	4.96	0.32	0.68	7.52	0.01	0.05
4.97	0.33	0.67	7.52	0.01	0.05	4.98	0.32	0.68	7.51	0.01	0.05
4.99	0.33	0.67	7.51	0.01	0.05	5.00	0.32	0.68	7.50	0.01	0.05
5.01	0.29	0.71	7.50	0.01	0.05	5.02	0.29	0.71	7.49	0.01	0.05
5.03	0.29	0.71	7.49	0.01	0.05	5.04	0.29	0.71	7.48	0.01	0.05
5.05	0.30	0.70	7.48	0.01	0.05	5.06	0.31	0.69	7.47	0.01	0.05
5.07	0.31	0.69	7.47	0.01	0.05	5.08	0.31	0.69	7.46	0.01	0.05
5.09	0.31	0.69	7.46	0.01	0.05	5.10	0.31	0.69	7.45	0.01	0.05
5.11	0.31	0.69	7.45	0.01	0.05	5.12	0.30	0.70	7.44	0.01	0.05
5.13	0.30	0.70	7.44	0.01	0.05	5.14	0.29	0.71	7.43	0.01	0.05
5.15	0.28	0.72	7.43	0.01	0.05	5.16	0.28	0.72	7.42	0.01	0.05
5.17	0.28	0.72	7.42	0.01	0.05	5.18	0.28	0.72	7.41	0.01	0.05
5.19	0.28	0.72	7.41	0.01	0.05	5.20	0.29	0.71	7.40	0.01	0.05
5.21	0.29	0.71	7.40	0.01	0.05	5.22	0.29	0.71	7.39	0.01	0.05
5.23	0.29	0.71	7.39	0.01	0.05	5.24	0.29	0.71	7.38	0.01	0.05
5.25	0.28	0.72	7.38	0.01	0.05	5.26	0.27	0.73	7.37	0.01	0.05
5.27	0.27	0.73	7.37	0.01	0.05	5.28	0.27	0.73	7.36	0.01	0.05
5.29	0.27	0.73	7.36	0.01	0.05	5.30	0.28	0.72	7.35	0.01	0.05
5.31	0.28	0.72	7.35	0.01	0.05	5.32	0.29	0.71	7.34	0.01	0.05
5.33	0.29	0.71	7.34	0.01	0.05	5.34	0.30	0.70	7.33	0.01	0.05
5.35	0.30	0.70	7.33	0.01	0.05	5.36	0.30	0.70	7.32	0.01	0.05
5.37	0.30	0.70	7.32	0.01	0.05	5.38	0.30	0.70	7.31	0.01	0.05
5.39	0.30	0.70	7.31	0.01	0.05	5.40	0.30	0.70	7.30	0.01	0.05
5.41	0.29	0.71	7.30	0.01	0.05	5.42	0.29	0.71	7.29	0.01	0.05
5.43	0.29	0.71	7.29	0.01	0.05	5.44	0.28	0.72	7.28	0.01	0.05
5.45	0.28	0.72	7.28	0.01	0.05	5.46	0.28	0.72	7.27	0.01	0.05
5.47	0.28	0.72	7.27	0.01	0.05	5.48	0.28	0.72	7.26	0.01	0.05
5.49	0.28	0.72	7.26	0.01	0.05	5.50	0.28	0.72	7.25	0.01	0.05
5.51	0.28	0.72	7.25	0.01	0.05	5.52	0.28	0.72	7.24	0.01	0.05
5.53	0.29	0.71	7.24	0.01	0.05	5.54	0.29	0.71	7.23	0.01	0.05
5.55	0.30	0.70	7.23	0.01	0.05	5.56	0.30	0.70	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.32	0.68	7.21	0.01	0.05	5.60	0.32	0.68	7.20	0.01	0.05
5.61	0.32	0.68	7.20	0.01	0.05	5.62	0.32	0.68	7.19	0.01	0.05
5.63	0.32	0.68	7.19	0.01	0.05	5.64	0.32	0.68	7.18	0.01	0.05
5.65	0.32	0.68	7.18	0.01	0.05	5.66	0.32	0.68	7.17	0.01	0.05
5.67	0.31	0.69	7.17	0.01	0.05	5.68	0.31	0.69	7.16	0.01	0.05
5.69	0.30	0.70	7.16	0.01	0.05	5.70	0.29	0.71	7.15	0.01	0.05
5.71	0.30	0.70	7.15	0.01	0.05	5.72	0.30	0.70	7.14	0.01	0.05
5.73	0.30	0.70	7.14	0.01	0.05	5.74	0.31	0.69	7.13	0.01	0.05
5.75	0.31	0.69	7.13	0.01	0.05	5.76	0.30	0.70	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.30	0.70	7.12	0.01	0.05	5.78	0.29	0.71	7.11	0.01	0.05
5.79	0.29	0.71	7.11	0.01	0.05	5.80	0.29	0.71	7.10	0.01	0.05
5.81	0.30	0.70	7.10	0.01	0.05	5.82	0.30	0.70	7.09	0.01	0.05
5.83	0.30	0.70	7.09	0.01	0.05	5.84	0.31	0.69	7.08	0.01	0.05
5.85	0.32	0.68	7.08	0.01	0.05	5.86	0.32	0.68	7.07	0.01	0.05
5.87	0.32	0.68	7.07	0.01	0.05	5.88	0.32	0.68	7.06	0.01	0.05
5.89	0.32	0.68	7.06	0.01	0.05	5.90	0.32	0.68	7.05	0.01	0.05
5.91	0.33	0.67	7.05	0.01	0.05	5.92	0.33	0.67	7.04	0.01	0.05
5.93	0.34	0.66	7.04	0.01	0.05	5.94	0.34	0.66	7.03	0.01	0.05
5.95	0.34	0.66	7.03	0.01	0.05	5.96	0.33	0.67	7.02	0.01	0.05
5.97	0.32	0.68	7.02	0.01	0.05	5.98	0.31	0.69	7.01	0.01	0.05
5.99	0.31	0.69	7.01	0.01	0.05	6.00	0.31	0.69	7.00	0.01	0.05
6.01	0.30	0.70	7.00	0.01	0.05	6.02	0.31	0.69	6.99	0.01	0.05
6.03	0.31	0.69	6.99	0.01	0.05	6.04	0.32	0.68	6.98	0.01	0.05
6.05	0.33	0.67	6.98	0.01	0.05	6.06	0.34	0.66	6.97	0.01	0.05
6.07	0.36	0.64	6.97	0.01	0.04	6.08	0.37	0.63	6.96	0.01	0.04
6.09	0.40	0.60	6.96	0.01	0.04	6.10	0.40	0.60	6.95	0.01	0.04
6.11	0.40	0.60	6.95	0.01	0.04	6.12	0.42	0.58	6.94	0.01	0.04
6.13	0.41	0.59	6.94	0.01	0.04	6.14	0.40	0.60	6.93	0.01	0.04
6.15	0.38	0.62	6.93	0.01	0.04	6.16	0.38	0.62	6.92	0.01	0.04
6.17	0.36	0.64	6.92	0.01	0.04	6.18	0.33	0.67	6.91	0.01	0.05
6.19	0.32	0.68	6.91	0.01	0.05	6.20	0.31	0.69	6.90	0.01	0.05
6.21	0.30	0.70	6.90	0.01	0.05	6.22	0.28	0.72	6.89	0.01	0.05
6.23	0.28	0.72	6.89	0.01	0.05	6.24	0.28	0.72	6.88	0.01	0.05
6.25	0.29	0.71	6.88	0.01	0.05	6.26	0.31	0.69	6.87	0.01	0.05
6.27	0.32	0.68	6.87	0.01	0.05	6.28	0.33	0.67	6.86	0.01	0.05
6.29	0.34	0.66	6.86	0.01	0.05	6.30	0.30	0.70	6.85	0.01	0.05
6.31	0.30	0.70	6.85	0.01	0.05	6.32	0.29	0.71	6.84	0.01	0.05
6.33	2.00	0.00	6.84	0.01	0.00	6.34	2.00	0.00	6.83	0.01	0.00
6.35	2.00	0.00	6.83	0.01	0.00	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	0.24	0.76	6.64	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.27	0.73	6.64	0.01	0.05	6.74	0.27	0.73	6.63	0.01	0.05
6.75	0.24	0.76	6.63	0.01	0.05	6.76	0.26	0.74	6.62	0.01	0.05
6.77	0.28	0.72	6.62	0.01	0.05	6.78	0.28	0.72	6.61	0.01	0.05
6.79	0.28	0.72	6.61	0.01	0.05	6.80	0.28	0.72	6.60	0.01	0.05
6.81	0.27	0.73	6.60	0.01	0.05	6.82	0.26	0.74	6.59	0.01	0.05
6.83	0.26	0.74	6.59	0.01	0.05	6.84	0.24	0.76	6.58	0.01	0.05
6.85	0.26	0.74	6.58	0.01	0.05	6.86	0.29	0.71	6.57	0.01	0.05
6.87	0.29	0.71	6.57	0.01	0.05	6.88	0.30	0.70	6.56	0.01	0.05
6.89	0.30	0.70	6.56	0.01	0.05	6.90	0.30	0.70	6.55	0.01	0.05
6.91	0.28	0.72	6.55	0.01	0.05	6.92	0.29	0.71	6.54	0.01	0.05
6.93	0.29	0.71	6.54	0.01	0.05	6.94	0.31	0.69	6.53	0.01	0.05
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	0.25	0.75	6.23	0.01	0.05	7.56	0.26	0.74	6.22	0.01	0.05
7.57	0.27	0.73	6.22	0.01	0.05	7.58	0.22	0.78	6.21	0.01	0.05
7.59	0.32	0.68	6.21	0.01	0.04	7.60	0.41	0.59	6.20	0.01	0.04
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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**Overall liquefaction potential: 19.06**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

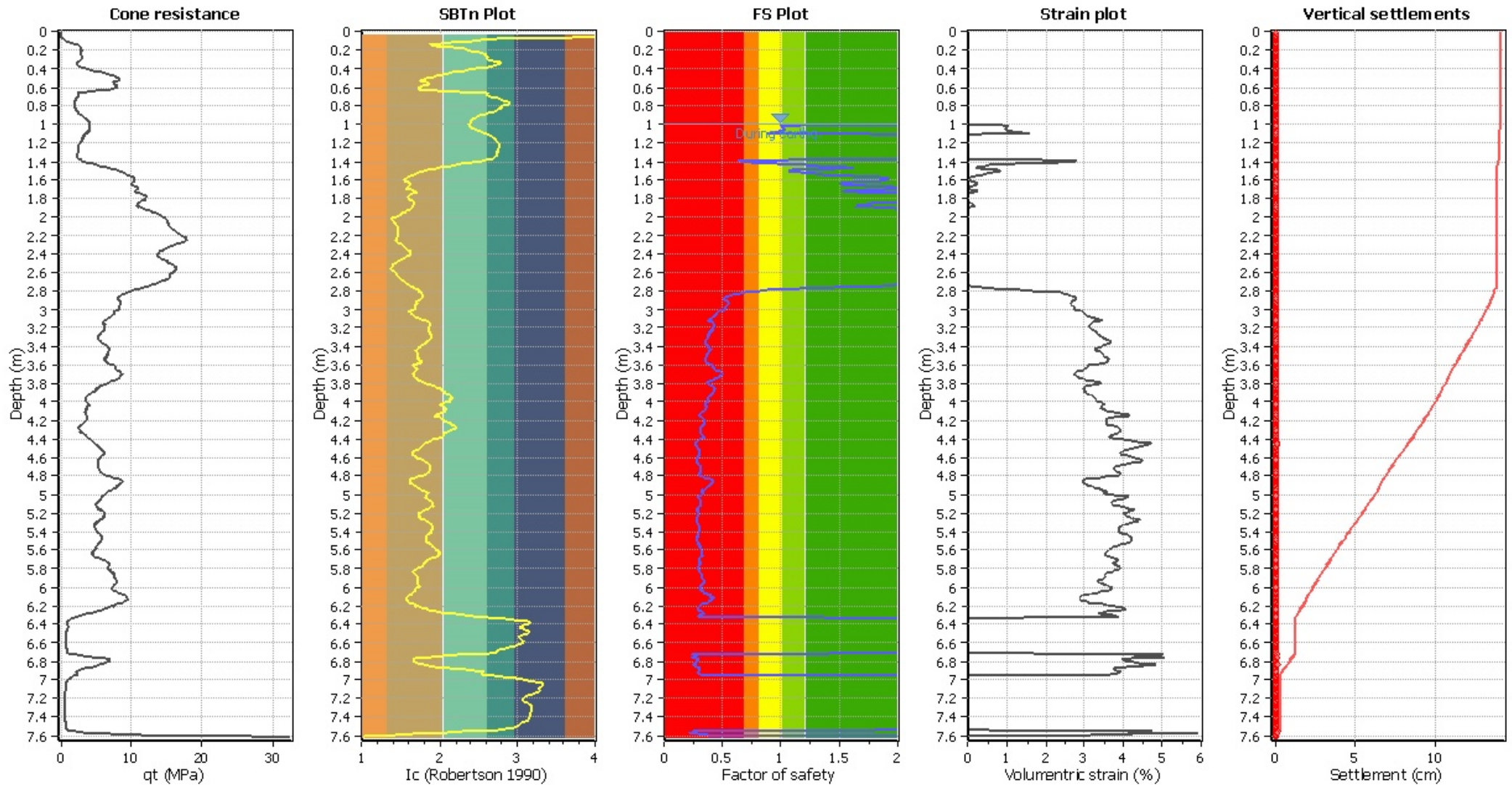
**Abbreviations**

FS: Calculated factor of safety for test point

 $F_L$ : 1 - FS $w_z$ : Function value of the extend of soil liquefaction according to depth $d_z$ : Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	132.28	2.00	0.00	1.00	0.00	1.01	132.30	1.00	1.04	1.00	0.01
1.02	132.45	1.00	1.05	1.00	0.01	1.03	133.28	1.01	1.01	1.00	0.01
1.04	133.86	1.02	0.98	1.00	0.01	1.05	134.21	1.02	0.97	1.00	0.01
1.06	134.69	1.02	0.96	1.00	0.01	1.07	133.54	1.00	1.05	1.00	0.01
1.08	132.81	0.98	1.11	1.00	0.01	1.09	129.34	0.91	1.43	1.00	0.01
1.10	127.98	0.88	1.61	1.00	0.02	1.11	58.39	2.00	0.00	1.00	0.00
1.12	55.70	2.00	0.00	1.00	0.00	1.13	54.70	2.00	0.00	1.00	0.00
1.14	52.85	2.00	0.00	1.00	0.00	1.15	52.18	2.00	0.00	1.00	0.00
1.16	51.17	2.00	0.00	1.00	0.00	1.17	49.83	2.00	0.00	1.00	0.00
1.18	48.99	2.00	0.00	1.00	0.00	1.19	47.82	2.00	0.00	1.00	0.00
1.20	47.15	2.00	0.00	1.00	0.00	1.21	45.13	2.00	0.00	1.00	0.00
1.22	44.13	2.00	0.00	1.00	0.00	1.23	43.45	2.00	0.00	1.00	0.00
1.24	42.62	2.00	0.00	1.00	0.00	1.25	42.45	2.00	0.00	1.00	0.00
1.26	42.62	2.00	0.00	1.00	0.00	1.27	42.28	2.00	0.00	1.00	0.00
1.28	42.11	2.00	0.00	1.00	0.00	1.29	41.78	2.00	0.00	1.00	0.00
1.30	41.61	2.00	0.00	1.00	0.00	1.31	40.77	2.00	0.00	1.00	0.00
1.32	40.43	2.00	0.00	1.00	0.00	1.33	40.10	2.00	0.00	1.00	0.00
1.34	39.76	2.00	0.00	1.00	0.00	1.35	39.76	2.00	0.00	1.00	0.00
1.36	40.94	2.00	0.00	1.00	0.00	1.37	42.11	2.00	0.00	1.00	0.00
1.38	43.79	2.00	0.00	1.00	0.00	1.39	114.05	0.63	2.80	1.00	0.03
1.40	116.82	0.65	2.73	1.00	0.03	1.41	120.41	0.69	2.65	1.00	0.03
1.42	131.18	0.83	1.81	1.00	0.02	1.43	134.98	0.90	1.37	1.00	0.01
1.44	147.50	1.20	0.58	1.00	0.01	1.45	150.83	1.31	0.44	1.00	0.00
1.46	152.22	1.36	0.39	1.00	0.00	1.47	157.92	1.61	0.19	1.00	0.00
1.48	152.71	1.37	0.38	1.00	0.00	1.49	144.96	1.11	0.72	1.00	0.01
1.50	143.32	1.06	0.82	1.00	0.01	1.51	143.39	1.06	0.82	1.00	0.01
1.52	146.35	1.14	0.67	1.00	0.01	1.53	150.90	1.29	0.47	1.00	0.00
1.54	153.20	1.37	0.38	1.00	0.00	1.55	156.94	1.53	0.25	1.00	0.00
1.56	159.30	1.64	0.17	1.00	0.00	1.57	161.39	1.76	0.11	1.00	0.00
1.58	163.95	1.91	0.04	1.00	0.00	1.59	164.24	1.93	0.03	1.00	0.00
1.60	164.06	1.91	0.04	1.00	0.00	1.61	163.28	1.85	0.06	1.00	0.00
1.62	163.10	1.84	0.07	1.00	0.00	1.63	159.34	1.62	0.19	1.00	0.00
1.64	157.01	1.50	0.27	1.00	0.00	1.65	158.03	1.54	0.24	1.00	0.00
1.66	159.53	1.62	0.19	1.00	0.00	1.67	163.04	1.81	0.08	1.00	0.00
1.68	164.98	1.94	0.03	1.00	0.00	1.69	170.64	2.00	0.00	1.00	0.00
1.70	168.02	2.00	0.00	1.00	0.00	1.71	165.05	1.93	0.03	1.00	0.00
1.72	158.27	1.53	0.25	1.00	0.00	1.73	161.41	1.69	0.14	1.00	0.00
1.74	168.02	2.00	0.00	1.00	0.00	1.75	172.03	2.00	0.00	1.00	0.00
1.76	177.08	2.00	0.00	1.00	0.00	1.77	178.75	2.00	0.00	1.00	0.00
1.78	180.30	2.00	0.00	1.00	0.00	1.79	179.89	2.00	0.00	1.00	0.00
1.80	178.80	2.00	0.00	1.00	0.00	1.81	176.10	2.00	0.00	1.00	0.00
1.82	173.85	2.00	0.00	1.00	0.00	1.83	169.04	2.00	0.00	1.00	0.00
1.84	166.66	1.99	0.00	1.00	0.00	1.85	163.92	1.80	0.09	1.00	0.00
1.86	162.94	1.74	0.12	1.00	0.00	1.87	162.32	1.70	0.14	1.00	0.00
1.88	161.58	1.66	0.17	1.00	0.00	1.89	161.43	1.64	0.17	1.00	0.00
1.90	163.97	1.79	0.09	1.00	0.00	1.91	169.28	2.00	0.00	1.00	0.00
1.92	172.34	2.00	0.00	1.00	0.00	1.93	179.59	2.00	0.00	1.00	0.00
1.94	182.03	2.00	0.00	1.00	0.00	1.95	185.68	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	187.31	2.00	0.00	1.00	0.00	1.97	191.91	2.00	0.00	1.00	0.00
1.98	197.25	2.00	0.00	1.00	0.00	1.99	196.97	2.00	0.00	1.00	0.00
2.00	196.70	2.00	0.00	1.00	0.00	2.01	201.37	2.00	0.00	1.00	0.00
2.02	204.49	2.00	0.00	1.00	0.00	2.03	205.12	2.00	0.00	1.00	0.00
2.04	206.07	2.00	0.00	1.00	0.00	2.05	205.73	2.00	0.00	1.00	0.00
2.06	206.35	2.00	0.00	1.00	0.00	2.07	206.54	2.00	0.00	1.00	0.00
2.08	207.49	2.00	0.00	1.00	0.00	2.09	208.11	2.00	0.00	1.00	0.00
2.10	207.65	2.00	0.00	1.00	0.00	2.11	207.52	2.00	0.00	1.00	0.00
2.12	208.25	2.00	0.00	1.00	0.00	2.13	210.15	2.00	0.00	1.00	0.00
2.14	211.30	2.00	0.00	1.00	0.00	2.15	214.34	2.00	0.00	1.00	0.00
2.16	215.89	2.00	0.00	1.00	0.00	2.17	219.74	2.00	0.00	1.00	0.00
2.18	221.17	2.00	0.00	1.00	0.00	2.19	223.32	2.00	0.00	1.00	0.00
2.20	224.64	2.00	0.00	1.00	0.00	2.21	225.55	2.00	0.00	1.00	0.00
2.22	227.96	2.00	0.00	1.00	0.00	2.23	229.19	2.00	0.00	1.00	0.00
2.24	231.89	2.00	0.00	1.00	0.00	2.25	232.28	2.00	0.00	1.00	0.00
2.26	231.00	2.00	0.00	1.00	0.00	2.27	228.26	2.00	0.00	1.00	0.00
2.28	221.73	2.00	0.00	1.00	0.00	2.29	217.54	2.00	0.00	1.00	0.00
2.30	211.63	2.00	0.00	1.00	0.00	2.31	209.80	2.00	0.00	1.00	0.00
2.32	206.37	2.00	0.00	1.00	0.00	2.33	203.14	2.00	0.00	1.00	0.00
2.34	200.54	2.00	0.00	1.00	0.00	2.35	197.94	2.00	0.00	1.00	0.00
2.36	193.15	2.00	0.00	1.00	0.00	2.37	190.20	2.00	0.00	1.00	0.00
2.38	189.20	2.00	0.00	1.00	0.00	2.39	188.09	2.00	0.00	1.00	0.00
2.40	186.54	2.00	0.00	1.00	0.00	2.41	184.33	2.00	0.00	1.00	0.00
2.42	183.66	2.00	0.00	1.00	0.00	2.43	185.29	2.00	0.00	1.00	0.00
2.44	187.80	2.00	0.00	1.00	0.00	2.45	193.12	2.00	0.00	1.00	0.00
2.46	194.94	2.00	0.00	1.00	0.00	2.47	197.52	2.00	0.00	1.00	0.00
2.48	198.15	2.00	0.00	1.00	0.00	2.49	200.61	2.00	0.00	1.00	0.00
2.50	202.31	2.00	0.00	1.00	0.00	2.51	204.64	2.00	0.00	1.00	0.00
2.52	207.50	2.00	0.00	1.00	0.00	2.53	209.39	2.00	0.00	1.00	0.00
2.54	212.01	2.00	0.00	1.00	0.00	2.55	212.74	2.00	0.00	1.00	0.00
2.56	212.52	2.00	0.00	1.00	0.00	2.57	211.87	2.00	0.00	1.00	0.00
2.58	210.28	2.00	0.00	1.00	0.00	2.59	208.80	2.00	0.00	1.00	0.00
2.60	205.93	2.00	0.00	1.00	0.00	2.61	203.37	2.00	0.00	1.00	0.00
2.62	202.83	2.00	0.00	1.00	0.00	2.63	202.29	2.00	0.00	1.00	0.00
2.64	201.85	2.00	0.00	1.00	0.00	2.65	201.20	2.00	0.00	1.00	0.00
2.66	200.34	2.00	0.00	1.00	0.00	2.67	197.77	2.00	0.00	1.00	0.00
2.68	195.83	2.00	0.00	1.00	0.00	2.69	191.28	2.00	0.00	1.00	0.00
2.70	188.38	2.00	0.00	1.00	0.00	2.71	182.22	2.00	0.00	1.00	0.00
2.72	179.61	2.00	0.00	1.00	0.00	2.73	174.36	2.00	0.00	1.00	0.00
2.74	169.18	1.96	0.02	1.00	0.00	2.75	166.52	1.77	0.10	1.00	0.00
2.76	163.41	1.58	0.21	1.00	0.00	2.77	154.88	1.20	0.56	1.00	0.01
2.78	146.69	0.96	1.03	1.00	0.01	2.79	143.26	0.88	1.32	1.00	0.01
2.80	140.03	0.81	1.66	1.00	0.02	2.81	134.81	0.72	2.34	1.00	0.02
2.82	132.14	0.68	2.39	1.00	0.02	2.83	127.00	0.62	2.50	1.00	0.02
2.84	124.73	0.59	2.55	1.00	0.03	2.85	120.66	0.55	2.64	1.00	0.03
2.86	119.14	0.54	2.68	1.00	0.03	2.87	116.34	0.52	2.74	1.00	0.03
2.88	115.46	0.51	2.77	1.00	0.03	2.89	116.28	0.52	2.75	1.00	0.03
2.90	117.77	0.53	2.71	1.00	0.03	2.91	120.35	0.55	2.65	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	119.42	0.54	2.67	1.00	0.03	2.93	119.93	0.54	2.66	1.00	0.03
2.94	120.69	0.55	2.64	1.00	0.03	2.95	120.24	0.55	2.65	1.00	0.03
2.96	119.55	0.54	2.67	1.00	0.03	2.97	117.77	0.52	2.71	1.00	0.03
2.98	116.96	0.52	2.73	1.00	0.03	2.99	116.88	0.52	2.73	1.00	0.03
3.00	116.80	0.51	2.73	1.00	0.03	3.01	110.27	0.47	2.90	1.00	0.03
3.02	109.34	0.46	2.93	1.00	0.03	3.03	108.65	0.46	2.95	1.00	0.03
3.04	107.97	0.45	2.97	1.00	0.03	3.05	107.53	0.45	2.98	1.00	0.03
3.06	105.85	0.44	3.03	1.00	0.03	3.07	104.92	0.43	3.06	1.00	0.03
3.08	101.43	0.41	3.17	1.00	0.03	3.09	99.68	0.41	3.22	1.00	0.03
3.10	97.57	0.40	3.29	1.00	0.03	3.11	93.25	0.38	3.45	1.00	0.03
3.12	94.27	0.38	3.41	1.00	0.03	3.13	96.18	0.39	3.34	1.00	0.03
3.14	99.57	0.40	3.23	1.00	0.03	3.15	101.57	0.41	3.16	1.00	0.03
3.16	102.58	0.42	3.13	1.00	0.03	3.17	102.97	0.42	3.12	1.00	0.03
3.18	102.93	0.42	3.12	1.00	0.03	3.19	102.42	0.42	3.14	1.00	0.03
3.20	101.99	0.41	3.15	1.00	0.03	3.21	101.16	0.41	3.18	1.00	0.03
3.22	101.00	0.41	3.18	1.00	0.03	3.23	99.57	0.40	3.23	1.00	0.03
3.24	98.98	0.40	3.25	1.00	0.03	3.25	96.99	0.39	3.31	1.00	0.03
3.26	96.45	0.39	3.33	1.00	0.03	3.27	96.35	0.39	3.34	1.00	0.03
3.28	94.73	0.38	3.39	1.00	0.03	3.29	94.82	0.38	3.39	1.00	0.03
3.30	93.77	0.37	3.43	1.00	0.03	3.31	92.96	0.37	3.46	1.00	0.03
3.32	90.60	0.36	3.55	1.00	0.04	3.33	89.20	0.35	3.60	1.00	0.04
3.34	87.53	0.35	3.67	1.00	0.04	3.35	87.64	0.35	3.67	1.00	0.04
3.36	88.21	0.35	3.64	1.00	0.04	3.37	88.67	0.35	3.63	1.00	0.04
3.38	91.28	0.36	3.52	1.00	0.04	3.39	92.52	0.36	3.48	1.00	0.03
3.40	93.55	0.37	3.44	1.00	0.03	3.41	95.08	0.38	3.38	1.00	0.03
3.42	96.33	0.38	3.34	1.00	0.03	3.43	99.36	0.39	3.23	1.00	0.03
3.44	98.23	0.39	3.27	1.00	0.03	3.45	96.85	0.38	3.32	1.00	0.03
3.46	94.02	0.37	3.42	1.00	0.03	3.47	93.59	0.37	3.44	1.00	0.03
3.48	93.03	0.36	3.46	1.00	0.03	3.49	92.84	0.36	3.46	1.00	0.03
3.50	92.66	0.36	3.47	1.00	0.03	3.51	91.36	0.36	3.52	1.00	0.04
3.52	90.19	0.35	3.57	1.00	0.04	3.53	89.39	0.35	3.60	1.00	0.04
3.54	89.33	0.35	3.60	1.00	0.04	3.55	89.76	0.35	3.58	1.00	0.04
3.56	88.71	0.35	3.62	1.00	0.04	3.57	91.24	0.35	3.52	1.00	0.04
3.58	92.65	0.36	3.47	1.00	0.03	3.59	95.27	0.37	3.37	1.00	0.03
3.60	100.98	0.40	3.18	1.00	0.03	3.61	104.22	0.41	3.08	1.00	0.03
3.62	104.27	0.41	3.08	1.00	0.03	3.63	104.92	0.42	3.06	1.00	0.03
3.64	106.04	0.42	3.02	1.00	0.03	3.65	108.00	0.44	2.97	1.00	0.03
3.66	110.06	0.45	2.91	1.00	0.03	3.67	114.12	0.47	2.80	1.00	0.03
3.68	115.46	0.48	2.77	1.00	0.03	3.69	116.67	0.49	2.74	1.00	0.03
3.70	116.59	0.49	2.74	1.00	0.03	3.71	116.17	0.49	2.75	1.00	0.03
3.72	114.69	0.48	2.79	1.00	0.03	3.73	113.67	0.47	2.81	1.00	0.03
3.74	111.01	0.45	2.88	1.00	0.03	3.75	109.17	0.44	2.93	1.00	0.03
3.76	107.08	0.43	2.99	1.00	0.03	3.77	101.71	0.40	3.16	1.00	0.03
3.78	98.62	0.38	3.26	1.00	0.03	3.79	93.91	0.36	3.42	1.00	0.03
3.80	95.94	0.37	3.35	1.00	0.03	3.81	99.90	0.39	3.22	1.00	0.03
3.82	101.39	0.39	3.17	1.00	0.03	3.83	104.96	0.41	3.06	1.00	0.03
3.84	106.97	0.42	3.00	1.00	0.03	3.85	106.50	0.42	3.01	1.00	0.03
3.86	108.24	0.43	2.96	1.00	0.03	3.87	106.94	0.42	3.00	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	107.31	0.42	2.99	1.00	0.03	3.89	107.23	0.42	2.99	1.00	0.03
3.90	105.41	0.41	3.04	1.00	0.03	3.91	105.21	0.41	3.05	1.00	0.03
3.92	102.20	0.40	3.14	1.00	0.03	3.93	101.41	0.39	3.17	1.00	0.03
3.94	100.46	0.39	3.20	1.00	0.03	3.95	98.89	0.38	3.25	1.00	0.03
3.96	98.29	0.38	3.27	1.00	0.03	3.97	97.58	0.37	3.29	1.00	0.03
3.98	97.45	0.37	3.30	1.00	0.03	3.99	97.09	0.37	3.31	1.00	0.03
4.00	94.28	0.36	3.41	1.00	0.03	4.01	93.44	0.35	3.44	1.00	0.03
4.02	91.02	0.34	3.53	1.00	0.04	4.03	92.64	0.35	3.47	1.00	0.03
4.04	93.53	0.35	3.44	1.00	0.03	4.05	94.03	0.36	3.42	1.00	0.03
4.06	94.43	0.36	3.41	1.00	0.03	4.07	93.11	0.35	3.45	1.00	0.03
4.08	92.74	0.35	3.47	1.00	0.03	4.09	91.04	0.34	3.53	1.00	0.04
4.10	89.86	0.34	3.58	1.00	0.04	4.11	86.93	0.33	3.70	1.00	0.04
4.12	83.25	0.31	3.86	1.00	0.04	4.13	78.46	0.30	4.08	1.00	0.04
4.14	77.58	0.30	4.13	1.00	0.04	4.15	77.65	0.30	4.13	1.00	0.04
4.16	81.64	0.31	3.93	1.00	0.04	4.17	86.88	0.33	3.70	1.00	0.04
4.18	90.39	0.34	3.56	1.00	0.04	4.19	89.89	0.34	3.58	1.00	0.04
4.20	89.47	0.33	3.59	1.00	0.04	4.21	90.38	0.34	3.56	1.00	0.04
4.22	89.63	0.33	3.59	1.00	0.04	4.23	89.81	0.34	3.58	1.00	0.04
4.24	89.42	0.33	3.60	1.00	0.04	4.25	86.44	0.32	3.72	1.00	0.04
4.26	85.52	0.32	3.76	1.00	0.04	4.27	83.38	0.31	3.85	1.00	0.04
4.28	83.18	0.31	3.86	1.00	0.04	4.29	82.15	0.31	3.91	1.00	0.04
4.30	82.22	0.31	3.90	1.00	0.04	4.31	81.26	0.31	3.95	1.00	0.04
4.32	83.02	0.31	3.87	1.00	0.04	4.33	82.71	0.31	3.88	1.00	0.04
4.34	83.84	0.31	3.83	1.00	0.04	4.35	86.56	0.32	3.71	1.00	0.04
4.36	87.55	0.32	3.67	1.00	0.04	4.37	89.04	0.33	3.61	1.00	0.04
4.38	89.01	0.33	3.61	1.00	0.04	4.39	86.36	0.32	3.72	1.00	0.04
4.40	84.59	0.31	3.80	1.00	0.04	4.41	80.32	0.30	3.99	1.00	0.04
4.42	76.20	0.29	4.20	1.00	0.04	4.43	72.61	0.28	4.40	1.00	0.04
4.44	67.73	0.27	4.69	1.00	0.05	4.45	67.56	0.27	4.70	1.00	0.05
4.46	68.15	0.27	4.66	1.00	0.05	4.47	69.40	0.27	4.59	1.00	0.05
4.48	72.67	0.28	4.39	1.00	0.04	4.49	73.83	0.28	4.33	1.00	0.04
4.50	75.00	0.28	4.26	1.00	0.04	4.51	77.13	0.29	4.15	1.00	0.04
4.52	78.17	0.29	4.10	1.00	0.04	4.53	80.64	0.30	3.98	1.00	0.04
4.54	81.31	0.30	3.95	1.00	0.04	4.55	82.11	0.30	3.91	1.00	0.04
4.56	82.06	0.30	3.91	1.00	0.04	4.57	81.18	0.30	3.95	1.00	0.04
4.58	78.02	0.29	4.11	1.00	0.04	4.59	76.29	0.29	4.20	1.00	0.04
4.60	74.68	0.28	4.28	1.00	0.04	4.61	72.34	0.28	4.41	1.00	0.04
4.62	71.63	0.27	4.45	1.00	0.04	4.63	71.54	0.27	4.46	1.00	0.04
4.64	71.54	0.27	4.46	1.00	0.04	4.65	72.60	0.28	4.40	1.00	0.04
4.66	75.08	0.28	4.26	1.00	0.04	4.67	78.11	0.29	4.10	1.00	0.04
4.68	81.66	0.30	3.93	1.00	0.04	4.69	83.96	0.31	3.83	1.00	0.04
4.70	85.14	0.31	3.77	1.00	0.04	4.71	85.26	0.31	3.77	1.00	0.04
4.72	85.54	0.31	3.76	1.00	0.04	4.73	85.46	0.31	3.76	1.00	0.04
4.74	84.82	0.31	3.79	1.00	0.04	4.75	84.80	0.31	3.79	1.00	0.04
4.76	84.02	0.31	3.82	1.00	0.04	4.77	81.95	0.30	3.92	1.00	0.04
4.78	82.43	0.30	3.89	1.00	0.04	4.79	82.65	0.30	3.88	1.00	0.04
4.80	89.10	0.32	3.61	1.00	0.04	4.81	92.54	0.34	3.48	1.00	0.03
4.82	96.34	0.35	3.34	1.00	0.03	4.83	104.51	0.39	3.07	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	107.41	0.40	2.98	1.00	0.03	4.85	109.16	0.41	2.93	1.00	0.03
4.86	108.87	0.41	2.94	1.00	0.03	4.87	108.59	0.41	2.95	1.00	0.03
4.88	107.39	0.40	2.99	1.00	0.03	4.89	106.20	0.40	3.02	1.00	0.03
4.90	103.40	0.38	3.10	1.00	0.03	4.91	101.15	0.37	3.18	1.00	0.03
4.92	99.74	0.36	3.22	1.00	0.03	4.93	96.40	0.35	3.34	1.00	0.03
4.94	94.47	0.34	3.40	1.00	0.03	4.95	92.75	0.34	3.47	1.00	0.03
4.96	89.48	0.32	3.59	1.00	0.04	4.97	90.61	0.33	3.55	1.00	0.04
4.98	90.04	0.32	3.57	1.00	0.04	4.99	92.49	0.33	3.48	1.00	0.03
5.00	89.31	0.32	3.60	1.00	0.04	5.01	80.10	0.29	4.00	1.00	0.04
5.02	77.45	0.29	4.14	1.00	0.04	5.03	78.89	0.29	4.06	1.00	0.04
5.04	80.47	0.29	3.99	1.00	0.04	5.05	81.68	0.30	3.93	1.00	0.04
5.06	84.42	0.31	3.81	1.00	0.04	5.07	85.40	0.31	3.76	1.00	0.04
5.08	87.37	0.31	3.68	1.00	0.04	5.09	87.14	0.31	3.69	1.00	0.04
5.10	87.41	0.31	3.68	1.00	0.04	5.11	86.23	0.31	3.73	1.00	0.04
5.12	84.48	0.30	3.80	1.00	0.04	5.13	82.41	0.30	3.90	1.00	0.04
5.14	79.10	0.29	4.05	1.00	0.04	5.15	77.74	0.28	4.12	1.00	0.04
5.16	74.60	0.28	4.29	1.00	0.04	5.17	75.41	0.28	4.24	1.00	0.04
5.18	76.08	0.28	4.21	1.00	0.04	5.19	77.19	0.28	4.15	1.00	0.04
5.20	79.82	0.29	4.02	1.00	0.04	5.21	80.36	0.29	3.99	1.00	0.04
5.22	79.73	0.29	4.02	1.00	0.04	5.23	79.22	0.29	4.05	1.00	0.04
5.24	78.59	0.29	4.08	1.00	0.04	5.25	76.10	0.28	4.21	1.00	0.04
5.26	74.39	0.27	4.30	1.00	0.04	5.27	71.63	0.27	4.45	1.00	0.04
5.28	72.28	0.27	4.41	1.00	0.04	5.29	74.11	0.27	4.31	1.00	0.04
5.30	75.51	0.28	4.24	1.00	0.04	5.31	77.75	0.28	4.12	1.00	0.04
5.32	79.44	0.29	4.04	1.00	0.04	5.33	80.75	0.29	3.97	1.00	0.04
5.34	82.34	0.30	3.90	1.00	0.04	5.35	82.87	0.30	3.87	1.00	0.04
5.36	83.16	0.30	3.86	1.00	0.04	5.37	82.88	0.30	3.87	1.00	0.04
5.38	83.21	0.30	3.86	1.00	0.04	5.39	82.87	0.30	3.87	1.00	0.04
5.40	82.69	0.30	3.88	1.00	0.04	5.41	82.06	0.29	3.91	1.00	0.04
5.42	80.29	0.29	4.00	1.00	0.04	5.43	79.74	0.29	4.02	1.00	0.04
5.44	77.44	0.28	4.14	1.00	0.04	5.45	77.10	0.28	4.15	1.00	0.04
5.46	76.16	0.28	4.20	1.00	0.04	5.47	75.97	0.28	4.21	1.00	0.04
5.48	75.80	0.28	4.22	1.00	0.04	5.49	76.17	0.28	4.20	1.00	0.04
5.50	75.87	0.28	4.22	1.00	0.04	5.51	77.20	0.28	4.15	1.00	0.04
5.52	77.88	0.28	4.11	1.00	0.04	5.53	79.95	0.29	4.01	1.00	0.04
5.54	81.69	0.29	3.93	1.00	0.04	5.55	83.00	0.30	3.87	1.00	0.04
5.56	84.63	0.30	3.80	1.00	0.04	5.57	86.40	0.31	3.72	1.00	0.04
5.58	87.06	0.31	3.69	1.00	0.04	5.59	89.03	0.32	3.61	1.00	0.04
5.60	89.33	0.32	3.60	1.00	0.04	5.61	90.33	0.32	3.56	1.00	0.04
5.62	91.04	0.32	3.53	1.00	0.04	5.63	90.95	0.32	3.54	1.00	0.04
5.64	91.14	0.32	3.53	1.00	0.04	5.65	91.35	0.32	3.52	1.00	0.04
5.66	90.54	0.32	3.55	1.00	0.04	5.67	88.12	0.31	3.65	1.00	0.04
5.68	88.42	0.31	3.64	1.00	0.04	5.69	85.08	0.30	3.78	1.00	0.04
5.70	82.82	0.29	3.88	1.00	0.04	5.71	84.27	0.30	3.81	1.00	0.04
5.72	83.53	0.30	3.85	1.00	0.04	5.73	85.84	0.30	3.74	1.00	0.04
5.74	86.30	0.31	3.72	1.00	0.04	5.75	86.32	0.31	3.72	1.00	0.04
5.76	85.71	0.30	3.75	1.00	0.04	5.77	83.99	0.30	3.82	1.00	0.04
5.78	81.96	0.29	3.92	1.00	0.04	5.79	81.79	0.29	3.92	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	82.09	0.29	3.91	1.00	0.04	5.81	83.97	0.30	3.83	1.00	0.04
5.82	85.16	0.30	3.77	1.00	0.04	5.83	86.24	0.30	3.73	1.00	0.04
5.84	88.89	0.31	3.62	1.00	0.04	5.85	89.74	0.32	3.58	1.00	0.04
5.86	90.59	0.32	3.55	1.00	0.04	5.87	90.98	0.32	3.53	1.00	0.04
5.88	91.38	0.32	3.52	1.00	0.04	5.89	90.77	0.32	3.54	1.00	0.04
5.90	91.39	0.32	3.52	1.00	0.04	5.91	93.24	0.33	3.45	1.00	0.03
5.92	94.19	0.33	3.41	1.00	0.03	5.93	95.38	0.34	3.37	1.00	0.03
5.94	95.55	0.34	3.36	1.00	0.03	5.95	95.28	0.34	3.37	1.00	0.03
5.96	93.54	0.33	3.44	1.00	0.03	5.97	92.15	0.32	3.49	1.00	0.03
5.98	89.43	0.31	3.60	1.00	0.04	5.99	89.38	0.31	3.60	1.00	0.04
6.00	89.34	0.31	3.60	1.00	0.04	6.01	85.94	0.30	3.74	1.00	0.04
6.02	87.35	0.31	3.68	1.00	0.04	6.03	88.97	0.31	3.61	1.00	0.04
6.04	92.70	0.32	3.47	1.00	0.03	6.05	94.86	0.33	3.39	1.00	0.03
6.06	97.03	0.34	3.31	1.00	0.03	6.07	101.02	0.36	3.18	1.00	0.03
6.08	102.92	0.37	3.12	1.00	0.03	6.09	109.01	0.40	2.94	1.00	0.03
6.10	109.61	0.40	2.92	1.00	0.03	6.11	109.55	0.40	2.92	1.00	0.03
6.12	112.21	0.42	2.85	1.00	0.03	6.13	110.32	0.41	2.90	1.00	0.03
6.14	109.61	0.40	2.92	1.00	0.03	6.15	106.08	0.38	3.02	1.00	0.03
6.16	105.37	0.38	3.04	1.00	0.03	6.17	102.14	0.36	3.14	1.00	0.03
6.18	94.00	0.33	3.42	1.00	0.03	6.19	90.31	0.32	3.56	1.00	0.04
6.20	88.83	0.31	3.62	1.00	0.04	6.21	84.79	0.30	3.79	1.00	0.04
6.22	79.75	0.28	4.02	1.00	0.04	6.23	79.51	0.28	4.03	1.00	0.04
6.24	78.93	0.28	4.06	1.00	0.04	6.25	83.77	0.29	3.83	1.00	0.04
6.26	90.05	0.31	3.57	1.00	0.04	6.27	91.56	0.32	3.51	1.00	0.04
6.28	95.25	0.33	3.38	1.00	0.03	6.29	95.88	0.34	3.35	1.00	0.03
6.30	86.42	0.30	3.72	1.00	0.04	6.31	84.86	0.30	3.79	1.00	0.04
6.32	82.60	0.29	3.89	1.00	0.04	6.33	19.59	2.00	0.00	1.00	0.00
6.34	17.45	2.00	0.00	1.00	0.00	6.35	14.97	2.00	0.00	1.00	0.00
6.36	11.65	2.00	0.00	1.00	0.00	6.37	10.82	2.00	0.00	1.00	0.00
6.38	10.34	2.00	0.00	1.00	0.00	6.39	10.21	2.00	0.00	1.00	0.00
6.40	10.80	2.00	0.00	1.00	0.00	6.41	11.50	2.00	0.00	1.00	0.00
6.42	11.73	2.00	0.00	1.00	0.00	6.43	11.72	2.00	0.00	1.00	0.00
6.44	11.01	2.00	0.00	1.00	0.00	6.45	10.29	2.00	0.00	1.00	0.00
6.46	9.34	2.00	0.00	1.00	0.00	6.47	8.86	2.00	0.00	1.00	0.00
6.48	8.50	2.00	0.00	1.00	0.00	6.49	8.26	2.00	0.00	1.00	0.00
6.50	8.02	2.00	0.00	1.00	0.00	6.51	7.90	2.00	0.00	1.00	0.00
6.52	8.13	2.00	0.00	1.00	0.00	6.53	8.24	2.00	0.00	1.00	0.00
6.54	8.12	2.00	0.00	1.00	0.00	6.55	7.64	2.00	0.00	1.00	0.00
6.56	7.29	2.00	0.00	1.00	0.00	6.57	7.16	2.00	0.00	1.00	0.00
6.58	6.81	2.00	0.00	1.00	0.00	6.59	6.68	2.00	0.00	1.00	0.00
6.60	6.56	2.00	0.00	1.00	0.00	6.61	6.44	2.00	0.00	1.00	0.00
6.62	6.44	2.00	0.00	1.00	0.00	6.63	6.44	2.00	0.00	1.00	0.00
6.64	6.67	2.00	0.00	1.00	0.00	6.65	7.02	2.00	0.00	1.00	0.00
6.66	7.50	2.00	0.00	1.00	0.00	6.67	8.91	2.00	0.00	1.00	0.00
6.68	9.38	2.00	0.00	1.00	0.00	6.69	9.72	2.00	0.00	1.00	0.00
6.70	9.84	2.00	0.00	1.00	0.00	6.71	9.60	2.00	0.00	1.00	0.00
6.72	62.73	0.24	5.03	1.00	0.05	6.73	75.24	0.27	4.25	1.00	0.04
6.74	75.25	0.27	4.25	1.00	0.04	6.75	62.36	0.24	5.06	1.00	0.05



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	72.21	0.26	4.42	1.00	0.04	6.77	77.90	0.28	4.11	1.00	0.04
6.78	81.26	0.28	3.95	1.00	0.04	6.79	80.67	0.28	3.98	1.00	0.04
6.80	79.54	0.28	4.03	1.00	0.04	6.81	75.88	0.27	4.22	1.00	0.04
6.82	73.53	0.26	4.34	1.00	0.04	6.83	70.85	0.26	4.50	1.00	0.04
6.84	65.25	0.24	4.85	1.00	0.05	6.85	71.57	0.26	4.46	1.00	0.04
6.86	83.15	0.29	3.86	1.00	0.04	6.87	84.48	0.29	3.80	1.00	0.04
6.88	86.34	0.30	3.72	1.00	0.04	6.89	85.13	0.30	3.77	1.00	0.04
6.90	85.31	0.30	3.77	1.00	0.04	6.91	81.22	0.28	3.95	1.00	0.04
6.92	82.03	0.29	3.91	1.00	0.04	6.93	83.94	0.29	3.83	1.00	0.04
6.94	88.60	0.31	3.63	1.00	0.04	6.95	25.23	2.00	0.00	1.00	0.00
6.96	21.01	2.00	0.00	1.00	0.00	6.97	15.76	2.00	0.00	1.00	0.00
6.98	14.15	2.00	0.00	1.00	0.00	6.99	14.14	2.00	0.00	1.00	0.00
7.00	14.13	2.00	0.00	1.00	0.00	7.01	10.11	2.00	0.00	1.00	0.00
7.02	9.42	2.00	0.00	1.00	0.00	7.03	8.38	2.00	0.00	1.00	0.00
7.04	8.03	2.00	0.00	1.00	0.00	7.05	7.79	2.00	0.00	1.00	0.00
7.06	7.79	2.00	0.00	1.00	0.00	7.07	7.78	2.00	0.00	1.00	0.00
7.08	7.78	2.00	0.00	1.00	0.00	7.09	7.66	2.00	0.00	1.00	0.00
7.10	7.31	2.00	0.00	1.00	0.00	7.11	6.96	2.00	0.00	1.00	0.00
7.12	6.61	2.00	0.00	1.00	0.00	7.13	6.38	2.00	0.00	1.00	0.00
7.14	6.26	2.00	0.00	1.00	0.00	7.15	6.14	2.00	0.00	1.00	0.00
7.16	6.02	2.00	0.00	1.00	0.00	7.17	5.91	2.00	0.00	1.00	0.00
7.18	5.90	2.00	0.00	1.00	0.00	7.19	5.90	2.00	0.00	1.00	0.00
7.20	5.90	2.00	0.00	1.00	0.00	7.21	5.90	2.00	0.00	1.00	0.00
7.22	5.90	2.00	0.00	1.00	0.00	7.23	5.89	2.00	0.00	1.00	0.00
7.24	5.89	2.00	0.00	1.00	0.00	7.25	5.89	2.00	0.00	1.00	0.00
7.26	5.77	2.00	0.00	1.00	0.00	7.27	5.77	2.00	0.00	1.00	0.00
7.28	5.77	2.00	0.00	1.00	0.00	7.29	5.76	2.00	0.00	1.00	0.00
7.30	5.76	2.00	0.00	1.00	0.00	7.31	5.76	2.00	0.00	1.00	0.00
7.32	5.76	2.00	0.00	1.00	0.00	7.33	5.75	2.00	0.00	1.00	0.00
7.34	5.87	2.00	0.00	1.00	0.00	7.35	5.86	2.00	0.00	1.00	0.00
7.36	5.86	2.00	0.00	1.00	0.00	7.37	5.97	2.00	0.00	1.00	0.00
7.38	5.97	2.00	0.00	1.00	0.00	7.39	5.97	2.00	0.00	1.00	0.00
7.40	5.97	2.00	0.00	1.00	0.00	7.41	6.08	2.00	0.00	1.00	0.00
7.42	6.07	2.00	0.00	1.00	0.00	7.43	6.07	2.00	0.00	1.00	0.00
7.44	6.30	2.00	0.00	1.00	0.00	7.45	6.52	2.00	0.00	1.00	0.00
7.46	6.86	2.00	0.00	1.00	0.00	7.47	7.20	2.00	0.00	1.00	0.00
7.48	7.31	2.00	0.00	1.00	0.00	7.49	7.42	2.00	0.00	1.00	0.00
7.50	7.87	2.00	0.00	1.00	0.00	7.51	7.98	2.00	0.00	1.00	0.00
7.52	8.20	2.00	0.00	1.00	0.00	7.53	8.65	2.00	0.00	1.00	0.00
7.54	10.23	2.00	0.00	1.00	0.00	7.55	67.26	0.25	4.72	1.00	0.05
7.56	70.92	0.26	4.49	1.00	0.04	7.57	78.24	0.27	4.10	1.00	0.04
7.58	51.95	0.22	5.94	1.00	0.06	7.59	92.77	0.32	3.47	1.00	0.03
7.60	112.53	0.41	2.84	1.00	0.03	7.61	254.00	2.00	0.00	1.00	0.00
7.62	254.00	2.00	0.00	1.00	0.00						

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
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**Total estimated settlement: 14.06****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

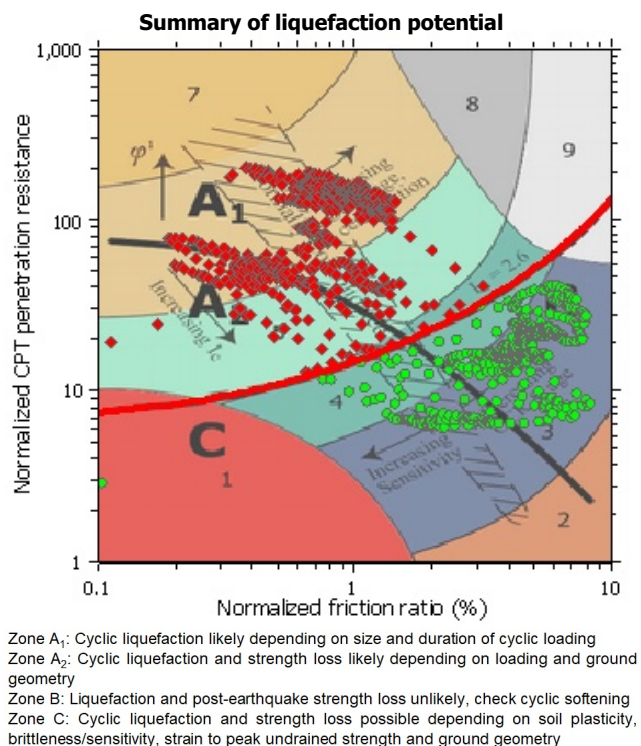
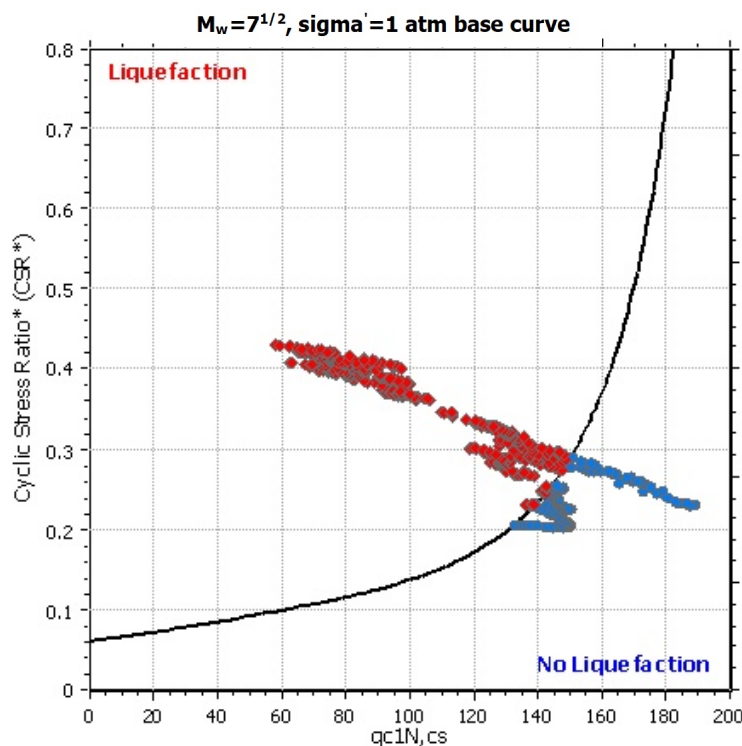
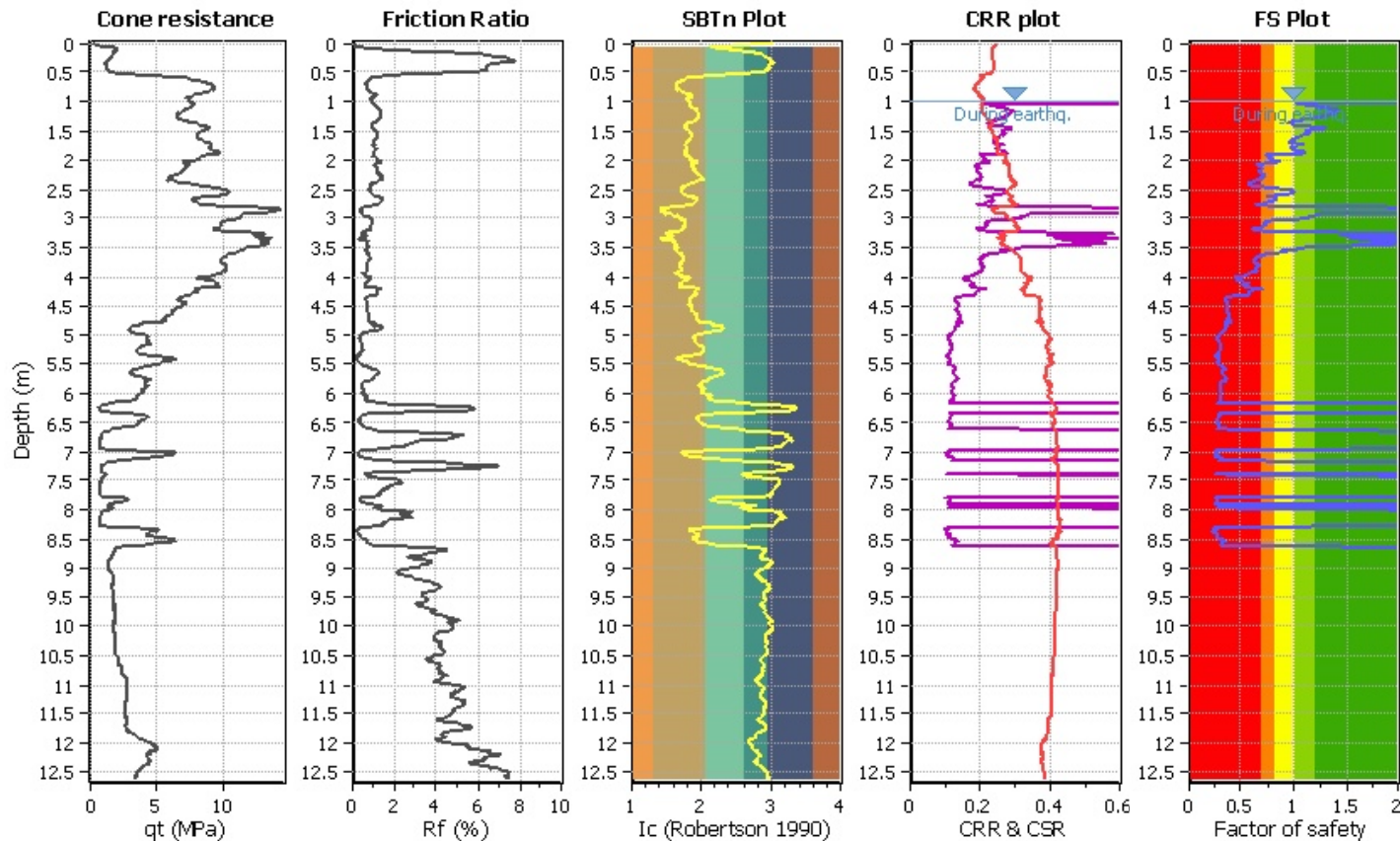
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

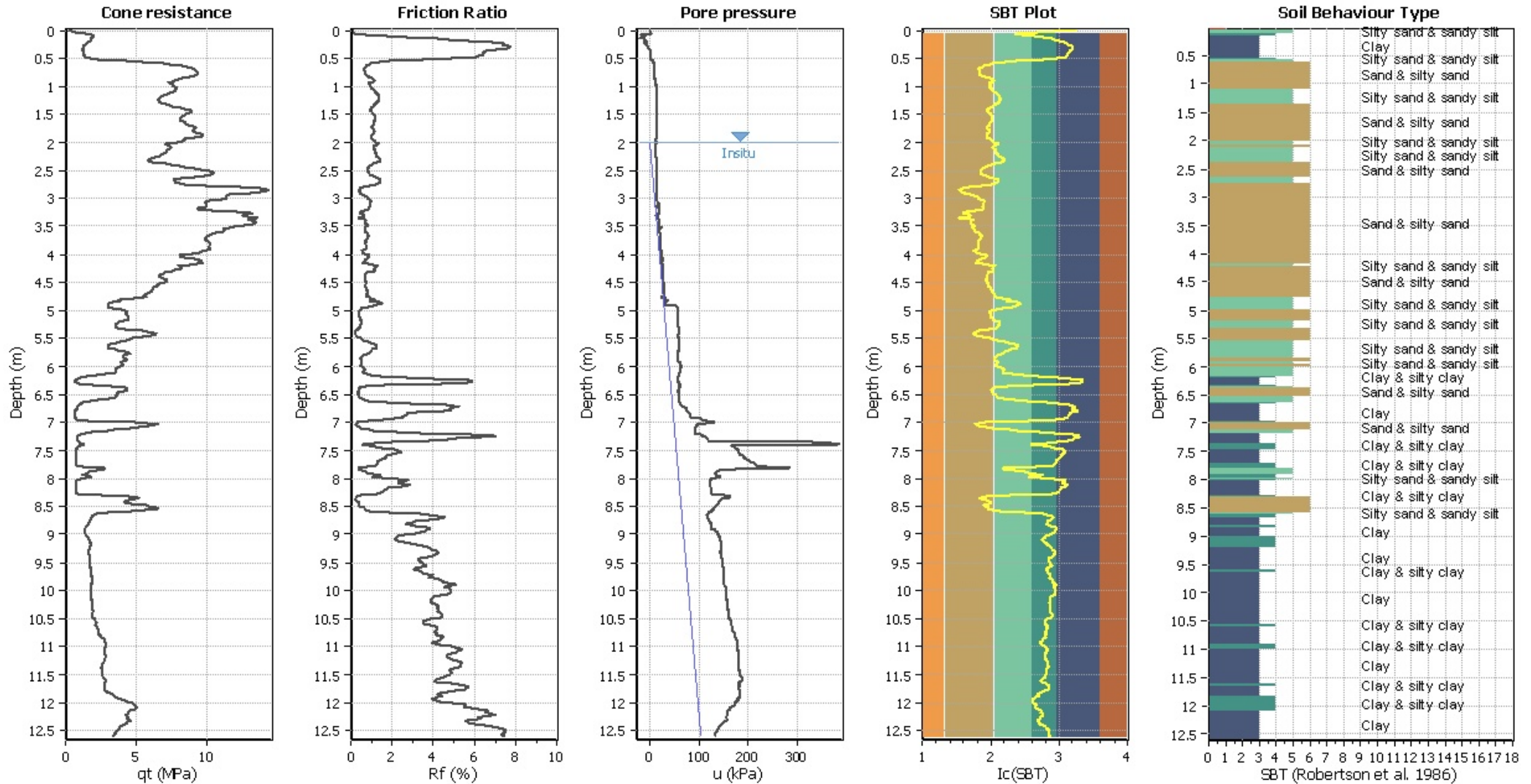
**CPT file : CPTU-08-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



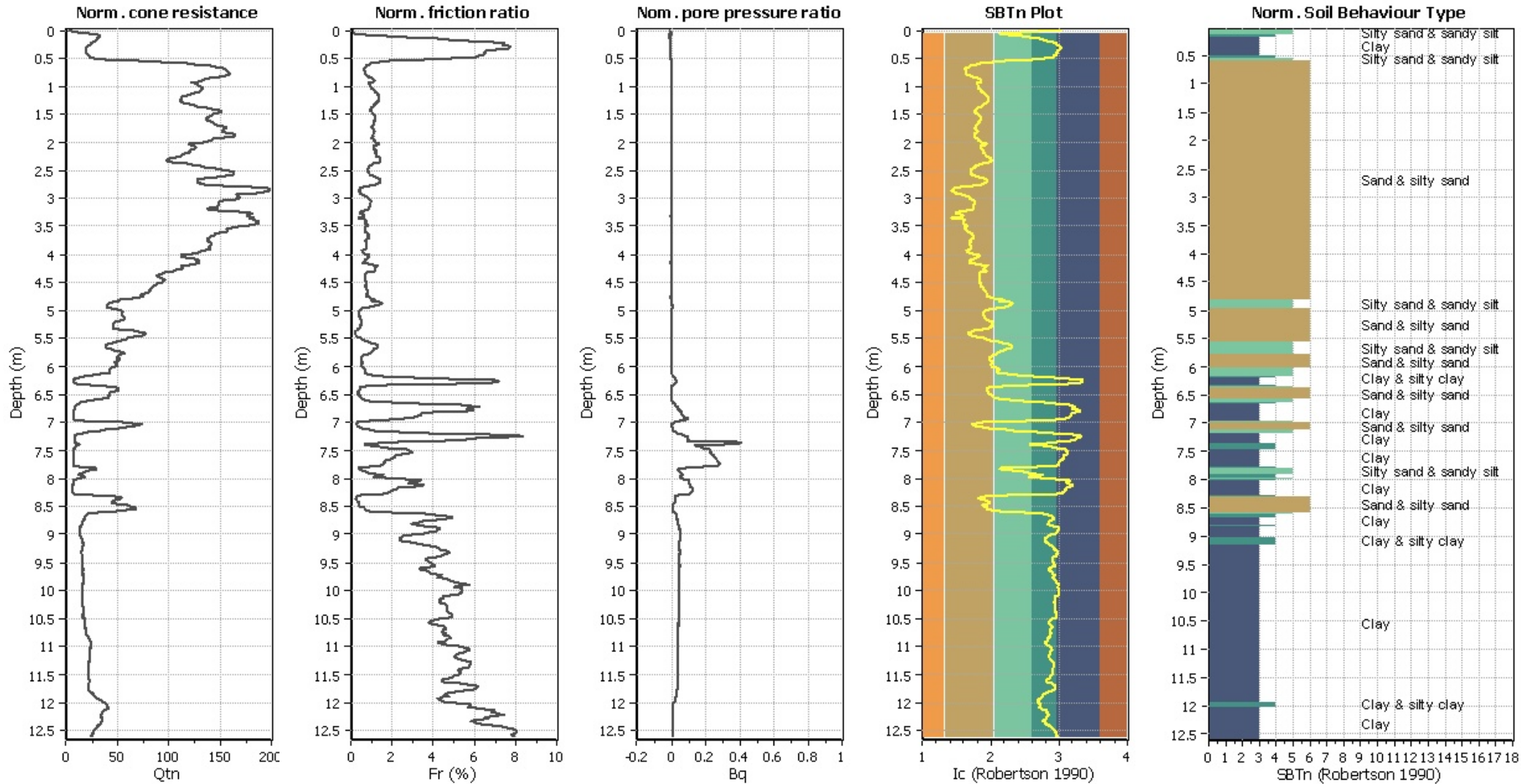
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



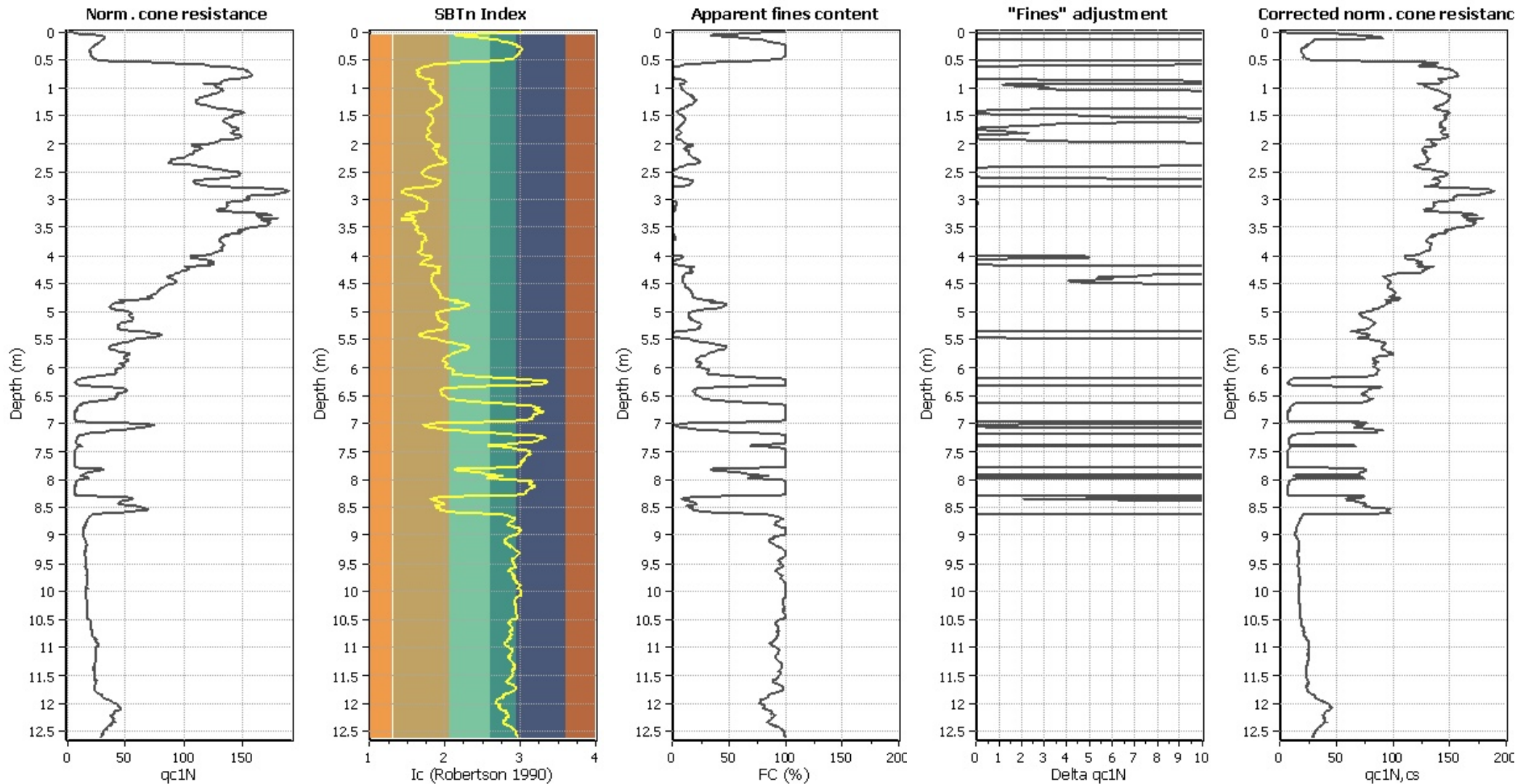
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

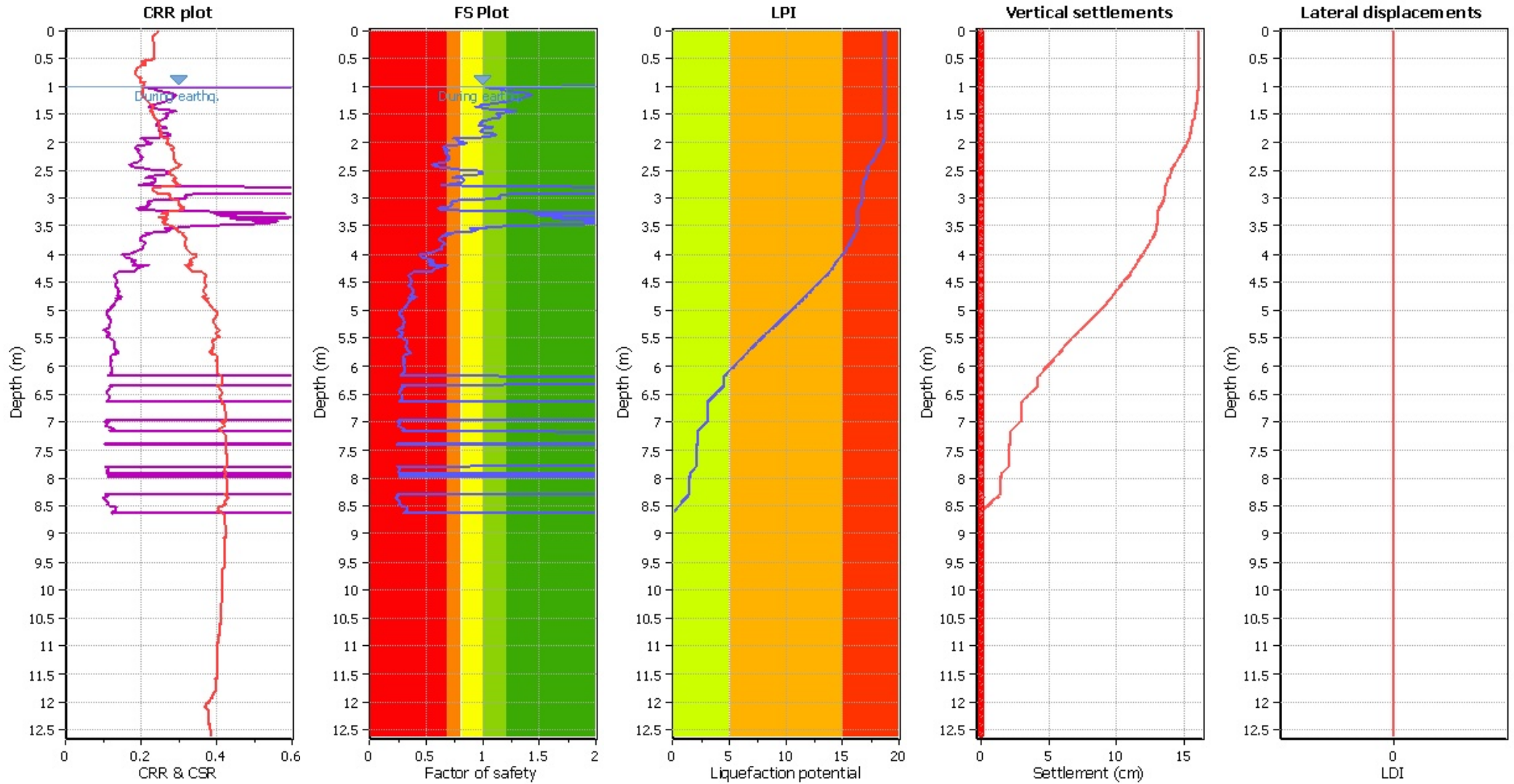
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

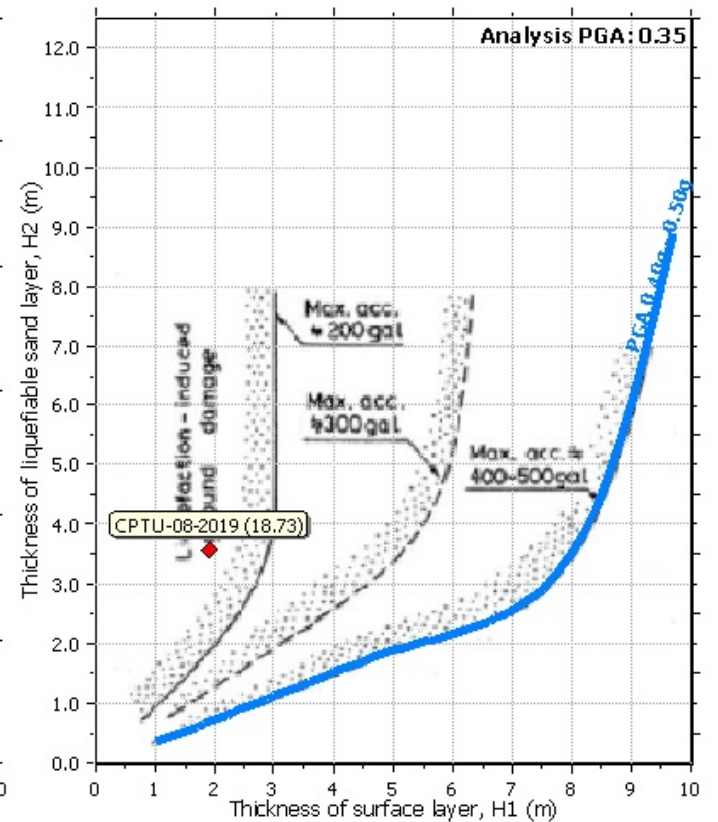
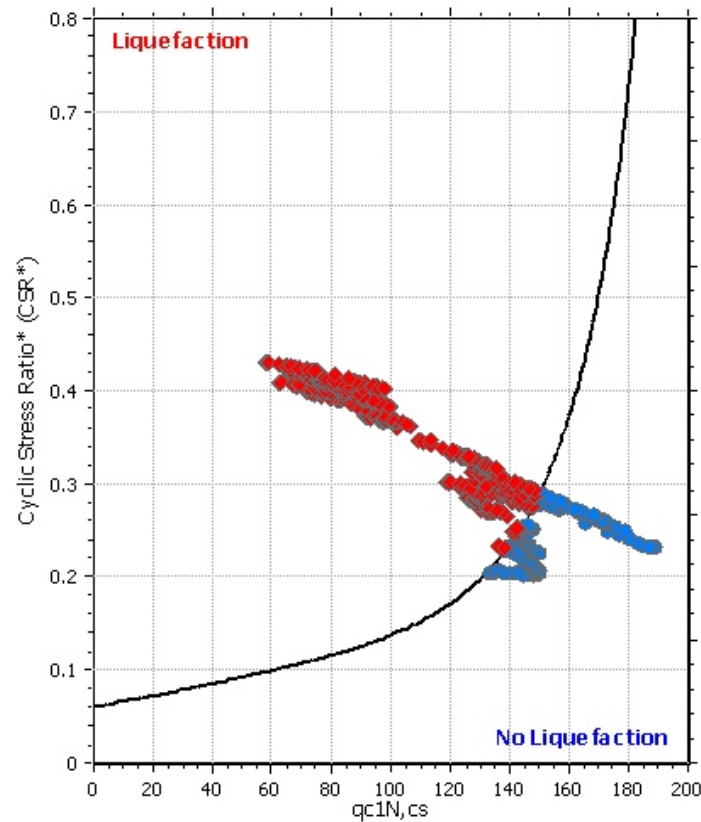
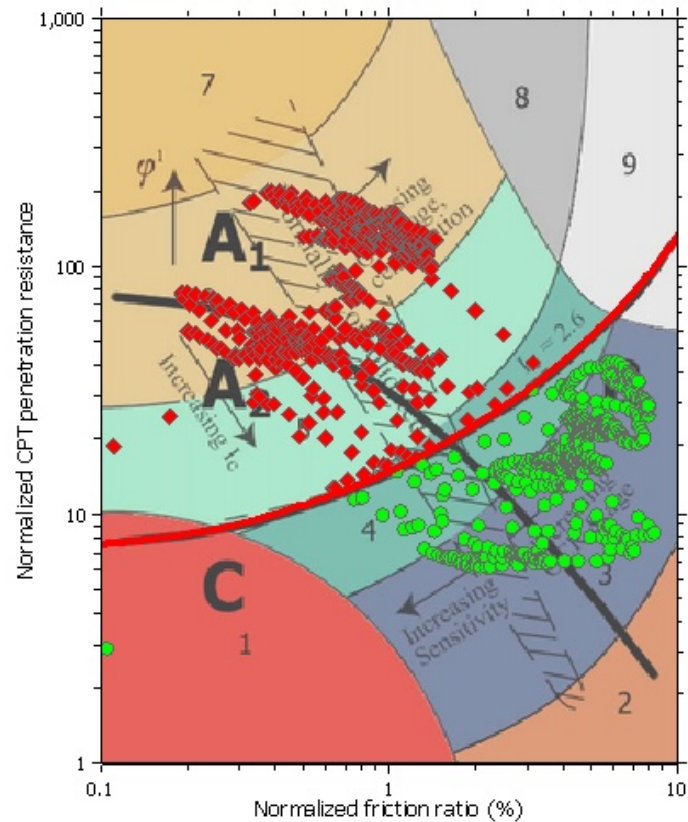
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

### Liquefaction analysis summary plo

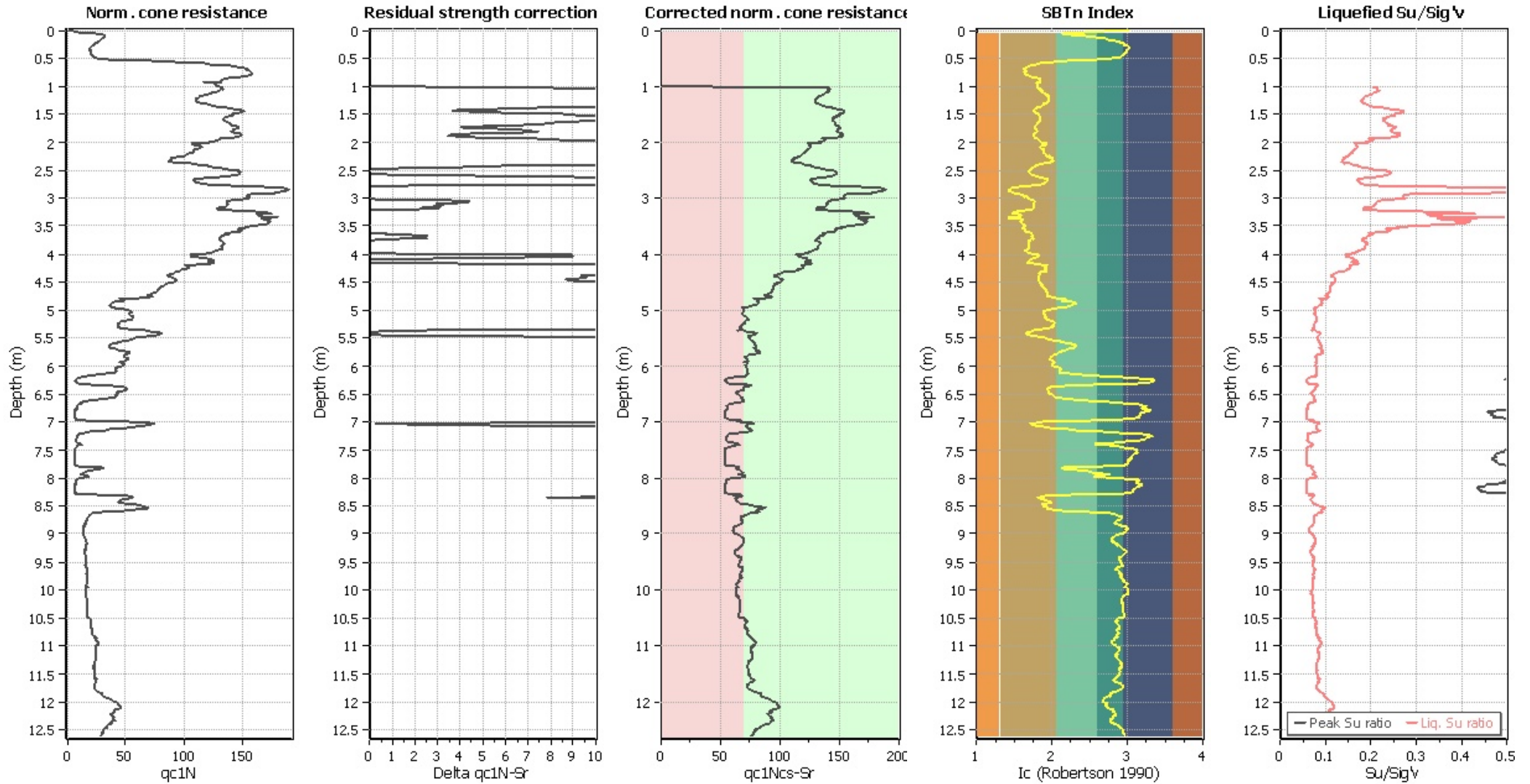


#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



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



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	1.02	0.00	9.49	0.01	0.00	1.02	1.05	0.00	9.49	0.01	0.00
1.03	1.06	0.00	9.49	0.01	0.00	1.04	1.08	0.00	9.48	0.01	0.00
1.05	1.11	0.00	9.48	0.01	0.00	1.06	1.16	0.00	9.47	0.01	0.00
1.07	1.21	0.00	9.47	0.01	0.00	1.08	1.24	0.00	9.46	0.01	0.00
1.09	1.29	0.00	9.46	0.01	0.00	1.10	1.34	0.00	9.45	0.01	0.00
1.11	1.34	0.00	9.45	0.01	0.00	1.12	1.38	0.00	9.44	0.01	0.00
1.13	1.42	0.00	9.44	0.01	0.00	1.14	1.40	0.00	9.43	0.01	0.00
1.15	1.42	0.00	9.43	0.01	0.00	1.16	1.44	0.00	9.42	0.01	0.00
1.17	1.40	0.00	9.41	0.01	0.00	1.18	1.41	0.00	9.41	0.01	0.00
1.19	1.39	0.00	9.41	0.01	0.00	1.20	1.36	0.00	9.40	0.01	0.00
1.21	1.36	0.00	9.40	0.01	0.00	1.22	1.34	0.00	9.39	0.01	0.00
1.23	1.32	0.00	9.39	0.01	0.00	1.24	1.29	0.00	9.38	0.01	0.00
1.25	1.26	0.00	9.38	0.01	0.00	1.26	1.24	0.00	9.37	0.01	0.00
1.27	1.19	0.00	9.37	0.01	0.00	1.28	1.19	0.00	9.36	0.01	0.00
1.29	1.15	0.00	9.36	0.01	0.00	1.30	1.13	0.00	9.35	0.01	0.00
1.31	1.08	0.00	9.35	0.01	0.00	1.32	1.08	0.00	9.34	0.01	0.00
1.33	1.03	0.00	9.34	0.01	0.00	1.34	0.98	0.02	9.33	0.01	0.00
1.35	0.99	0.01	9.32	0.01	0.00	1.36	0.94	0.06	9.32	0.01	0.01
1.37	0.98	0.02	9.32	0.01	0.00	1.38	0.98	0.02	9.31	0.01	0.00
1.39	1.00	0.00	9.31	0.01	0.00	1.40	1.10	0.00	9.30	0.01	0.00
1.41	1.14	0.00	9.30	0.01	0.00	1.42	1.19	0.00	9.29	0.01	0.00
1.43	1.27	0.00	9.29	0.01	0.00	1.44	1.30	0.00	9.28	0.01	0.00
1.45	1.28	0.00	9.28	0.01	0.00	1.46	1.24	0.00	9.27	0.01	0.00
1.47	1.20	0.00	9.27	0.01	0.00	1.48	1.17	0.00	9.26	0.01	0.00
1.49	1.12	0.00	9.26	0.01	0.00	1.50	1.14	0.00	9.25	0.01	0.00
1.51	1.15	0.00	9.24	0.01	0.00	1.52	1.13	0.00	9.24	0.01	0.00
1.53	1.15	0.00	9.24	0.01	0.00	1.54	1.16	0.00	9.23	0.01	0.00
1.55	1.14	0.00	9.23	0.01	0.00	1.56	1.14	0.00	9.22	0.01	0.00
1.57	1.11	0.00	9.22	0.01	0.00	1.58	1.09	0.00	9.21	0.01	0.00
1.59	1.06	0.00	9.21	0.01	0.00	1.60	1.05	0.00	9.20	0.01	0.00
1.61	1.02	0.00	9.20	0.01	0.00	1.62	1.01	0.00	9.19	0.01	0.00
1.63	0.99	0.01	9.19	0.01	0.00	1.64	1.00	0.00	9.18	0.01	0.00
1.65	0.98	0.02	9.18	0.01	0.00	1.66	0.99	0.01	9.17	0.01	0.00
1.67	0.97	0.03	9.16	0.01	0.00	1.68	0.97	0.03	9.16	0.01	0.00
1.69	0.96	0.04	9.16	0.01	0.00	1.70	1.00	0.00	9.15	0.01	0.00
1.71	1.01	0.00	9.15	0.01	0.00	1.72	1.04	0.00	9.14	0.01	0.00
1.73	1.09	0.00	9.14	0.01	0.00	1.74	1.08	0.00	9.13	0.01	0.00
1.75	1.04	0.00	9.13	0.01	0.00	1.76	1.01	0.00	9.12	0.01	0.00
1.77	0.99	0.01	9.12	0.01	0.00	1.78	0.99	0.01	9.11	0.01	0.00
1.79	0.97	0.03	9.11	0.01	0.00	1.80	0.98	0.02	9.10	0.01	0.00
1.81	0.97	0.03	9.10	0.01	0.00	1.82	1.01	0.00	9.09	0.01	0.00
1.83	1.02	0.00	9.09	0.01	0.00	1.84	1.08	0.00	9.08	0.01	0.00
1.85	1.10	0.00	9.07	0.01	0.00	1.86	1.11	0.00	9.07	0.01	0.00
1.87	1.12	0.00	9.07	0.01	0.00	1.88	1.10	0.00	9.06	0.01	0.00
1.89	1.07	0.00	9.06	0.01	0.00	1.90	1.06	0.00	9.05	0.01	0.00
1.91	1.05	0.00	9.05	0.01	0.00	1.92	0.73	0.27	9.04	0.01	0.02

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	0.76	0.24	9.04	0.01	0.02	1.94	0.76	0.24	9.03	0.01	0.02
1.95	0.77	0.23	9.03	0.01	0.02	1.96	0.78	0.22	9.02	0.01	0.02
1.97	0.79	0.21	9.02	0.01	0.02	1.98	0.80	0.20	9.01	0.01	0.02
1.99	0.78	0.22	9.01	0.01	0.02	2.00	0.86	0.14	9.00	0.01	0.01
2.01	0.79	0.21	8.99	0.01	0.02	2.02	0.83	0.17	8.99	0.01	0.02
2.03	0.84	0.16	8.99	0.01	0.01	2.04	0.80	0.20	8.98	0.01	0.02
2.05	0.74	0.26	8.98	0.01	0.02	2.06	0.69	0.31	8.97	0.01	0.03
2.07	0.67	0.33	8.97	0.01	0.03	2.08	0.65	0.35	8.96	0.01	0.03
2.09	0.66	0.34	8.96	0.01	0.03	2.10	0.66	0.34	8.95	0.01	0.03
2.11	0.67	0.33	8.95	0.01	0.03	2.12	0.68	0.32	8.94	0.01	0.03
2.13	0.69	0.31	8.94	0.01	0.03	2.14	0.70	0.30	8.93	0.01	0.03
2.15	0.69	0.31	8.93	0.01	0.03	2.16	0.67	0.33	8.92	0.01	0.03
2.17	0.67	0.33	8.91	0.01	0.03	2.18	0.68	0.32	8.91	0.01	0.03
2.19	0.67	0.33	8.91	0.01	0.03	2.20	0.68	0.32	8.90	0.01	0.03
2.21	0.69	0.31	8.90	0.01	0.03	2.22	0.69	0.31	8.89	0.01	0.03
2.23	0.69	0.31	8.89	0.01	0.03	2.24	0.71	0.29	8.88	0.01	0.03
2.25	0.70	0.30	8.88	0.01	0.03	2.26	0.71	0.29	8.87	0.01	0.03
2.27	0.71	0.29	8.87	0.01	0.03	2.28	0.70	0.30	8.86	0.01	0.03
2.29	0.70	0.30	8.86	0.01	0.03	2.30	0.70	0.30	8.85	0.01	0.03
2.31	0.69	0.31	8.85	0.01	0.03	2.32	0.68	0.32	8.84	0.01	0.03
2.33	0.68	0.32	8.84	0.01	0.03	2.34	0.66	0.34	8.83	0.01	0.03
2.35	0.67	0.33	8.82	0.01	0.03	2.36	0.65	0.35	8.82	0.01	0.03
2.37	0.61	0.39	8.82	0.01	0.03	2.38	0.60	0.40	8.81	0.01	0.04
2.39	0.56	0.44	8.81	0.01	0.04	2.40	0.57	0.43	8.80	0.01	0.04
2.41	0.57	0.43	8.80	0.01	0.04	2.42	0.57	0.43	8.79	0.01	0.04
2.43	0.60	0.40	8.79	0.01	0.04	2.44	0.62	0.38	8.78	0.01	0.03
2.45	0.64	0.36	8.78	0.01	0.03	2.46	0.70	0.30	8.77	0.01	0.03
2.47	0.73	0.27	8.77	0.01	0.02	2.48	0.77	0.23	8.76	0.01	0.02
2.49	0.85	0.15	8.76	0.01	0.01	2.50	0.89	0.11	8.75	0.01	0.01
2.51	0.95	0.05	8.74	0.01	0.00	2.52	0.96	0.04	8.74	0.01	0.00
2.53	0.98	0.02	8.74	0.01	0.00	2.54	1.00	0.00	8.73	0.01	0.00
2.55	1.00	0.00	8.73	0.01	0.00	2.56	0.99	0.01	8.72	0.01	0.00
2.57	0.94	0.06	8.72	0.01	0.01	2.58	0.91	0.09	8.71	0.01	0.01
2.59	0.87	0.13	8.71	0.01	0.01	2.60	0.78	0.22	8.70	0.01	0.02
2.61	0.77	0.23	8.70	0.01	0.02	2.62	0.73	0.27	8.69	0.01	0.02
2.63	0.78	0.22	8.69	0.01	0.02	2.64	0.80	0.20	8.68	0.01	0.02
2.65	0.83	0.17	8.68	0.01	0.01	2.66	0.82	0.18	8.67	0.01	0.02
2.67	0.84	0.16	8.66	0.01	0.01	2.68	0.83	0.17	8.66	0.01	0.01
2.69	0.83	0.17	8.66	0.01	0.01	2.70	0.81	0.19	8.65	0.01	0.02
2.71	0.80	0.20	8.65	0.01	0.02	2.72	0.78	0.22	8.64	0.01	0.02
2.73	0.76	0.24	8.64	0.01	0.02	2.74	0.70	0.30	8.63	0.01	0.03
2.75	0.69	0.31	8.63	0.01	0.03	2.76	0.63	0.37	8.62	0.01	0.03
2.77	0.77	0.23	8.62	0.01	0.02	2.78	0.88	0.12	8.61	0.01	0.01
2.79	1.06	0.00	8.61	0.01	0.00	2.80	1.71	0.00	8.60	0.01	0.00
2.81	2.00	0.00	8.60	0.01	0.00	2.82	2.00	0.00	8.59	0.01	0.00
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	2.00	0.00	8.57	0.01	0.00	2.86	2.00	0.00	8.57	0.01	0.00
2.87	2.00	0.00	8.57	0.01	0.00	2.88	2.00	0.00	8.56	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.55	0.01	0.00	2.92	1.27	0.00	8.54	0.01	0.00
2.93	1.24	0.00	8.54	0.01	0.00	2.94	1.19	0.00	8.53	0.01	0.00
2.95	1.15	0.00	8.53	0.01	0.00	2.96	1.14	0.00	8.52	0.01	0.00
2.97	1.14	0.00	8.52	0.01	0.00	2.98	1.15	0.00	8.51	0.01	0.00
2.99	1.16	0.00	8.51	0.01	0.00	3.00	1.15	0.00	8.50	0.01	0.00
3.01	0.97	0.03	8.49	0.01	0.00	3.02	0.90	0.10	8.49	0.01	0.01
3.03	0.80	0.20	8.49	0.01	0.02	3.04	0.77	0.23	8.48	0.01	0.02
3.05	0.74	0.26	8.48	0.01	0.02	3.06	0.73	0.27	8.47	0.01	0.02
3.07	0.72	0.28	8.47	0.01	0.02	3.08	0.72	0.28	8.46	0.01	0.02
3.09	0.72	0.28	8.46	0.01	0.02	3.10	0.74	0.26	8.45	0.01	0.02
3.11	0.73	0.27	8.45	0.01	0.02	3.12	0.72	0.28	8.44	0.01	0.02
3.13	0.72	0.28	8.44	0.01	0.02	3.14	0.70	0.30	8.43	0.01	0.03
3.15	0.71	0.29	8.43	0.01	0.02	3.16	0.63	0.37	8.42	0.01	0.03
3.17	0.62	0.38	8.41	0.01	0.03	3.18	0.61	0.39	8.41	0.01	0.03
3.19	0.62	0.38	8.41	0.01	0.03	3.20	0.64	0.36	8.40	0.01	0.03
3.21	0.75	0.25	8.40	0.01	0.02	3.22	0.84	0.16	8.39	0.01	0.01
3.23	0.97	0.03	8.39	0.01	0.00	3.24	1.36	0.00	8.38	0.01	0.00
3.25	1.54	0.00	8.38	0.01	0.00	3.26	1.99	0.00	8.37	0.01	0.00
3.27	2.00	0.00	8.37	0.01	0.00	3.28	1.92	0.00	8.36	0.01	0.00
3.29	1.46	0.00	8.36	0.01	0.00	3.30	1.51	0.00	8.35	0.01	0.00
3.31	1.54	0.00	8.35	0.01	0.00	3.32	1.78	0.00	8.34	0.01	0.00
3.33	2.00	0.00	8.34	0.01	0.00	3.34	2.00	0.00	8.33	0.01	0.00
3.35	1.88	0.00	8.32	0.01	0.00	3.36	2.00	0.00	8.32	0.01	0.00
3.37	1.62	0.00	8.32	0.01	0.00	3.38	1.79	0.00	8.31	0.01	0.00
3.39	1.84	0.00	8.31	0.01	0.00	3.40	2.00	0.00	8.30	0.01	0.00
3.41	2.00	0.00	8.30	0.01	0.00	3.42	2.00	0.00	8.29	0.01	0.00
3.43	2.00	0.00	8.29	0.01	0.00	3.44	2.00	0.00	8.28	0.01	0.00
3.45	1.87	0.00	8.28	0.01	0.00	3.46	1.80	0.00	8.27	0.01	0.00
3.47	1.56	0.00	8.27	0.01	0.00	3.48	1.47	0.00	8.26	0.01	0.00
3.49	1.27	0.00	8.26	0.01	0.00	3.50	1.21	0.00	8.25	0.01	0.00
3.51	1.11	0.00	8.24	0.01	0.00	3.52	1.02	0.00	8.24	0.01	0.00
3.53	1.03	0.00	8.24	0.01	0.00	3.54	0.89	0.11	8.23	0.01	0.01
3.55	0.91	0.09	8.23	0.01	0.01	3.56	0.90	0.10	8.22	0.01	0.01
3.57	0.94	0.06	8.22	0.01	0.00	3.58	0.91	0.09	8.21	0.01	0.01
3.59	0.84	0.16	8.21	0.01	0.01	3.60	0.80	0.20	8.20	0.01	0.02
3.61	0.74	0.26	8.20	0.01	0.02	3.62	0.68	0.32	8.19	0.01	0.03
3.63	0.70	0.30	8.19	0.01	0.02	3.64	0.72	0.28	8.18	0.01	0.02
3.65	0.67	0.33	8.18	0.01	0.03	3.66	0.67	0.33	8.17	0.01	0.03
3.67	0.65	0.35	8.16	0.01	0.03	3.68	0.64	0.36	8.16	0.01	0.03
3.69	0.64	0.36	8.16	0.01	0.03	3.70	0.63	0.37	8.15	0.01	0.03
3.71	0.62	0.38	8.15	0.01	0.03	3.72	0.62	0.38	8.14	0.01	0.03
3.73	0.62	0.38	8.14	0.01	0.03	3.74	0.62	0.38	8.13	0.01	0.03
3.75	0.63	0.37	8.13	0.01	0.03	3.76	0.63	0.37	8.12	0.01	0.03
3.77	0.64	0.36	8.12	0.01	0.03	3.78	0.65	0.35	8.11	0.01	0.03
3.79	0.66	0.34	8.11	0.01	0.03	3.80	0.67	0.33	8.10	0.01	0.03
3.81	0.67	0.33	8.10	0.01	0.03	3.82	0.66	0.34	8.09	0.01	0.03
3.83	0.65	0.35	8.09	0.01	0.03	3.84	0.64	0.36	8.08	0.01	0.03

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.64	0.36	8.07	0.01	0.03	3.86	0.64	0.36	8.07	0.01	0.03
3.87	0.64	0.36	8.07	0.01	0.03	3.88	0.64	0.36	8.06	0.01	0.03
3.89	0.64	0.36	8.06	0.01	0.03	3.90	0.64	0.36	8.05	0.01	0.03
3.91	0.64	0.36	8.05	0.01	0.03	3.92	0.58	0.42	8.04	0.01	0.03
3.93	0.59	0.41	8.04	0.01	0.03	3.94	0.58	0.42	8.03	0.01	0.03
3.95	0.57	0.43	8.03	0.01	0.03	3.96	0.55	0.45	8.02	0.01	0.04
3.97	0.54	0.46	8.02	0.01	0.04	3.98	0.52	0.48	8.01	0.01	0.04
3.99	0.52	0.48	8.01	0.01	0.04	4.00	0.46	0.54	8.00	0.01	0.04
4.01	0.44	0.56	8.00	0.01	0.04	4.02	0.44	0.56	7.99	0.01	0.04
4.03	0.44	0.56	7.99	0.01	0.04	4.04	0.45	0.55	7.98	0.01	0.04
4.05	0.46	0.54	7.98	0.01	0.04	4.06	0.46	0.54	7.97	0.01	0.04
4.07	0.49	0.51	7.97	0.01	0.04	4.08	0.51	0.49	7.96	0.01	0.04
4.09	0.53	0.47	7.96	0.01	0.04	4.10	0.55	0.45	7.95	0.01	0.04
4.11	0.56	0.44	7.95	0.01	0.03	4.12	0.54	0.46	7.94	0.01	0.04
4.13	0.52	0.48	7.94	0.01	0.04	4.14	0.52	0.48	7.93	0.01	0.04
4.15	0.55	0.45	7.93	0.01	0.04	4.16	0.56	0.44	7.92	0.01	0.03
4.17	0.54	0.46	7.92	0.01	0.04	4.18	0.53	0.47	7.91	0.01	0.04
4.19	0.64	0.36	7.91	0.01	0.03	4.20	0.69	0.31	7.90	0.01	0.02
4.21	0.63	0.37	7.90	0.01	0.03	4.22	0.61	0.39	7.89	0.01	0.03
4.23	0.60	0.40	7.89	0.01	0.03	4.24	0.59	0.41	7.88	0.01	0.03
4.25	0.59	0.41	7.88	0.01	0.03	4.26	0.57	0.43	7.87	0.01	0.03
4.27	0.57	0.43	7.87	0.01	0.03	4.28	0.56	0.44	7.86	0.01	0.03
4.29	0.56	0.44	7.86	0.01	0.03	4.30	0.57	0.43	7.85	0.01	0.03
4.31	0.52	0.48	7.85	0.01	0.04	4.32	0.45	0.55	7.84	0.01	0.04
4.33	0.39	0.61	7.84	0.01	0.05	4.34	0.37	0.63	7.83	0.01	0.05
4.35	0.36	0.64	7.83	0.01	0.05	4.36	0.35	0.65	7.82	0.01	0.05
4.37	0.34	0.66	7.82	0.01	0.05	4.38	0.34	0.66	7.81	0.01	0.05
4.39	0.34	0.66	7.81	0.01	0.05	4.40	0.35	0.65	7.80	0.01	0.05
4.41	0.35	0.65	7.80	0.01	0.05	4.42	0.36	0.64	7.79	0.01	0.05
4.43	0.36	0.64	7.79	0.01	0.05	4.44	0.36	0.64	7.78	0.01	0.05
4.45	0.36	0.64	7.78	0.01	0.05	4.46	0.36	0.64	7.77	0.01	0.05
4.47	0.36	0.64	7.77	0.01	0.05	4.48	0.37	0.63	7.76	0.01	0.05
4.49	0.37	0.63	7.76	0.01	0.05	4.50	0.36	0.64	7.75	0.01	0.05
4.51	0.36	0.64	7.75	0.01	0.05	4.52	0.36	0.64	7.74	0.01	0.05
4.53	0.36	0.64	7.74	0.01	0.05	4.54	0.35	0.65	7.73	0.01	0.05
4.55	0.35	0.65	7.73	0.01	0.05	4.56	0.35	0.65	7.72	0.01	0.05
4.57	0.35	0.65	7.72	0.01	0.05	4.58	0.36	0.64	7.71	0.01	0.05
4.59	0.36	0.64	7.71	0.01	0.05	4.60	0.37	0.63	7.70	0.01	0.05
4.61	0.37	0.63	7.70	0.01	0.05	4.62	0.37	0.63	7.69	0.01	0.05
4.63	0.38	0.62	7.69	0.01	0.05	4.64	0.38	0.62	7.68	0.01	0.05
4.65	0.38	0.62	7.68	0.01	0.05	4.66	0.38	0.62	7.67	0.01	0.05
4.67	0.38	0.62	7.67	0.01	0.05	4.68	0.38	0.62	7.66	0.01	0.05
4.69	0.38	0.62	7.66	0.01	0.05	4.70	0.38	0.62	7.65	0.01	0.05
4.71	0.37	0.63	7.65	0.01	0.05	4.72	0.37	0.63	7.64	0.01	0.05
4.73	0.36	0.64	7.64	0.01	0.05	4.74	0.36	0.64	7.63	0.01	0.05
4.75	0.37	0.63	7.63	0.01	0.05	4.76	0.39	0.61	7.62	0.01	0.05
4.77	0.40	0.60	7.62	0.01	0.05	4.78	0.40	0.60	7.61	0.01	0.05
4.79	0.34	0.66	7.61	0.01	0.05	4.80	0.36	0.64	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.36	0.64	7.60	0.01	0.05	4.82	0.36	0.64	7.59	0.01	0.05
4.83	0.36	0.64	7.59	0.01	0.05	4.84	0.36	0.64	7.58	0.01	0.05
4.85	0.35	0.65	7.58	0.01	0.05	4.86	0.35	0.65	7.57	0.01	0.05
4.87	0.34	0.66	7.57	0.01	0.05	4.88	0.34	0.66	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.33	0.67	7.55	0.01	0.05	4.92	0.32	0.68	7.54	0.01	0.05
4.93	0.32	0.68	7.54	0.01	0.05	4.94	0.31	0.69	7.53	0.01	0.05
4.95	0.30	0.70	7.53	0.01	0.05	4.96	0.30	0.70	7.52	0.01	0.05
4.97	0.31	0.69	7.52	0.01	0.05	4.98	0.30	0.70	7.51	0.01	0.05
4.99	0.30	0.70	7.51	0.01	0.05	5.00	0.29	0.71	7.50	0.01	0.05
5.01	0.28	0.72	7.50	0.01	0.05	5.02	0.27	0.73	7.49	0.01	0.05
5.03	0.27	0.73	7.49	0.01	0.05	5.04	0.27	0.73	7.48	0.01	0.05
5.05	0.27	0.73	7.48	0.01	0.05	5.06	0.27	0.73	7.47	0.01	0.05
5.07	0.27	0.73	7.47	0.01	0.05	5.08	0.27	0.73	7.46	0.01	0.05
5.09	0.28	0.72	7.46	0.01	0.05	5.10	0.28	0.72	7.45	0.01	0.05
5.11	0.28	0.72	7.45	0.01	0.05	5.12	0.29	0.71	7.44	0.01	0.05
5.13	0.29	0.71	7.44	0.01	0.05	5.14	0.29	0.71	7.43	0.01	0.05
5.15	0.30	0.70	7.43	0.01	0.05	5.16	0.30	0.70	7.42	0.01	0.05
5.17	0.30	0.70	7.42	0.01	0.05	5.18	0.30	0.70	7.41	0.01	0.05
5.19	0.30	0.70	7.41	0.01	0.05	5.20	0.31	0.69	7.40	0.01	0.05
5.21	0.30	0.70	7.40	0.01	0.05	5.22	0.30	0.70	7.39	0.01	0.05
5.23	0.30	0.70	7.39	0.01	0.05	5.24	0.30	0.70	7.38	0.01	0.05
5.25	0.30	0.70	7.38	0.01	0.05	5.26	0.29	0.71	7.37	0.01	0.05
5.27	0.29	0.71	7.37	0.01	0.05	5.28	0.29	0.71	7.36	0.01	0.05
5.29	0.29	0.71	7.36	0.01	0.05	5.30	0.29	0.71	7.35	0.01	0.05
5.31	0.28	0.72	7.35	0.01	0.05	5.32	0.28	0.72	7.34	0.01	0.05
5.33	0.27	0.73	7.34	0.01	0.05	5.34	0.26	0.74	7.33	0.01	0.05
5.35	0.25	0.75	7.33	0.01	0.06	5.36	0.25	0.75	7.32	0.01	0.05
5.37	0.26	0.74	7.32	0.01	0.05	5.38	0.27	0.73	7.31	0.01	0.05
5.39	0.28	0.72	7.31	0.01	0.05	5.40	0.29	0.71	7.30	0.01	0.05
5.41	0.29	0.71	7.30	0.01	0.05	5.42	0.29	0.71	7.29	0.01	0.05
5.43	0.29	0.71	7.29	0.01	0.05	5.44	0.28	0.72	7.28	0.01	0.05
5.45	0.28	0.72	7.28	0.01	0.05	5.46	0.27	0.73	7.27	0.01	0.05
5.47	0.26	0.74	7.27	0.01	0.05	5.48	0.26	0.74	7.26	0.01	0.05
5.49	0.27	0.73	7.26	0.01	0.05	5.50	0.28	0.72	7.25	0.01	0.05
5.51	0.30	0.70	7.25	0.01	0.05	5.52	0.31	0.69	7.24	0.01	0.05
5.53	0.32	0.68	7.24	0.01	0.05	5.54	0.32	0.68	7.23	0.01	0.05
5.55	0.33	0.67	7.23	0.01	0.05	5.56	0.33	0.67	7.22	0.01	0.05
5.57	0.33	0.67	7.22	0.01	0.05	5.58	0.33	0.67	7.21	0.01	0.05
5.59	0.33	0.67	7.21	0.01	0.05	5.60	0.33	0.67	7.20	0.01	0.05
5.61	0.32	0.68	7.20	0.01	0.05	5.62	0.32	0.68	7.19	0.01	0.05
5.63	0.32	0.68	7.19	0.01	0.05	5.64	0.32	0.68	7.18	0.01	0.05
5.65	0.32	0.68	7.18	0.01	0.05	5.66	0.32	0.68	7.17	0.01	0.05
5.67	0.32	0.68	7.17	0.01	0.05	5.68	0.33	0.67	7.16	0.01	0.05
5.69	0.33	0.67	7.16	0.01	0.05	5.70	0.34	0.66	7.15	0.01	0.05
5.71	0.34	0.66	7.15	0.01	0.05	5.72	0.35	0.65	7.14	0.01	0.05
5.73	0.35	0.65	7.14	0.01	0.05	5.74	0.35	0.65	7.13	0.01	0.05
5.75	0.36	0.64	7.13	0.01	0.05	5.76	0.36	0.64	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.36	0.64	7.12	0.01	0.05	5.78	0.34	0.66	7.11	0.01	0.05
5.79	0.33	0.67	7.11	0.01	0.05	5.80	0.32	0.68	7.10	0.01	0.05
5.81	0.31	0.69	7.10	0.01	0.05	5.82	0.30	0.70	7.09	0.01	0.05
5.83	0.30	0.70	7.09	0.01	0.05	5.84	0.29	0.71	7.08	0.01	0.05
5.85	0.29	0.71	7.08	0.01	0.05	5.86	0.30	0.70	7.07	0.01	0.05
5.87	0.30	0.70	7.07	0.01	0.05	5.88	0.30	0.70	7.06	0.01	0.05
5.89	0.30	0.70	7.06	0.01	0.05	5.90	0.30	0.70	7.05	0.01	0.05
5.91	0.31	0.69	7.05	0.01	0.05	5.92	0.29	0.71	7.04	0.01	0.05
5.93	0.30	0.70	7.04	0.01	0.05	5.94	0.30	0.70	7.03	0.01	0.05
5.95	0.30	0.70	7.03	0.01	0.05	5.96	0.30	0.70	7.02	0.01	0.05
5.97	0.30	0.70	7.02	0.01	0.05	5.98	0.29	0.71	7.01	0.01	0.05
5.99	0.30	0.70	7.01	0.01	0.05	6.00	0.30	0.70	7.00	0.01	0.05
6.01	0.30	0.70	7.00	0.01	0.05	6.02	0.31	0.69	6.99	0.01	0.05
6.03	0.31	0.69	6.99	0.01	0.05	6.04	0.31	0.69	6.98	0.01	0.05
6.05	0.31	0.69	6.98	0.01	0.05	6.06	0.31	0.69	6.97	0.01	0.05
6.07	0.31	0.69	6.97	0.01	0.05	6.08	0.31	0.69	6.96	0.01	0.05
6.09	0.31	0.69	6.96	0.01	0.05	6.10	0.30	0.70	6.95	0.01	0.05
6.11	0.30	0.70	6.95	0.01	0.05	6.12	0.30	0.70	6.94	0.01	0.05
6.13	0.30	0.70	6.94	0.01	0.05	6.14	0.29	0.71	6.93	0.01	0.05
6.15	0.27	0.73	6.93	0.01	0.05	6.16	0.27	0.73	6.92	0.01	0.05
6.17	0.27	0.73	6.92	0.01	0.05	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	2.00	0.00	6.87	0.01	0.00	6.28	2.00	0.00	6.86	0.01	0.00
6.29	2.00	0.00	6.86	0.01	0.00	6.30	2.00	0.00	6.85	0.01	0.00
6.31	2.00	0.00	6.85	0.01	0.00	6.32	2.00	0.00	6.84	0.01	0.00
6.33	2.00	0.00	6.84	0.01	0.00	6.34	0.28	0.72	6.83	0.01	0.05
6.35	0.31	0.69	6.83	0.01	0.05	6.36	0.30	0.70	6.82	0.01	0.05
6.37	0.29	0.71	6.82	0.01	0.05	6.38	0.29	0.71	6.81	0.01	0.05
6.39	0.28	0.72	6.81	0.01	0.05	6.40	0.28	0.72	6.80	0.01	0.05
6.41	0.28	0.72	6.80	0.01	0.05	6.42	0.27	0.73	6.79	0.01	0.05
6.43	0.27	0.73	6.79	0.01	0.05	6.44	0.27	0.73	6.78	0.01	0.05
6.45	0.27	0.73	6.78	0.01	0.05	6.46	0.27	0.73	6.77	0.01	0.05
6.47	0.26	0.74	6.77	0.01	0.05	6.48	0.26	0.74	6.76	0.01	0.05
6.49	0.27	0.73	6.76	0.01	0.05	6.50	0.27	0.73	6.75	0.01	0.05
6.51	0.27	0.73	6.75	0.01	0.05	6.52	0.28	0.72	6.74	0.01	0.05
6.53	0.28	0.72	6.74	0.01	0.05	6.54	0.28	0.72	6.73	0.01	0.05
6.55	0.29	0.71	6.73	0.01	0.05	6.56	0.29	0.71	6.72	0.01	0.05
6.57	0.28	0.72	6.72	0.01	0.05	6.58	0.28	0.72	6.71	0.01	0.05
6.59	0.28	0.72	6.71	0.01	0.05	6.60	0.28	0.72	6.70	0.01	0.05
6.61	0.27	0.73	6.70	0.01	0.05	6.62	0.26	0.74	6.69	0.01	0.05
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	0.25	0.75	6.52	0.01	0.05	6.98	0.27	0.73	6.51	0.01	0.05
6.99	0.27	0.73	6.51	0.01	0.05	7.00	0.25	0.75	6.50	0.01	0.05
7.01	0.27	0.73	6.50	0.01	0.05	7.02	0.27	0.73	6.49	0.01	0.05
7.03	0.26	0.74	6.49	0.01	0.05	7.04	0.26	0.74	6.48	0.01	0.05
7.05	0.26	0.74	6.48	0.01	0.05	7.06	0.25	0.75	6.47	0.01	0.05
7.07	0.25	0.75	6.47	0.01	0.05	7.08	0.26	0.74	6.46	0.01	0.05
7.09	0.28	0.72	6.46	0.01	0.05	7.10	0.29	0.71	6.45	0.01	0.05
7.11	0.30	0.70	6.45	0.01	0.05	7.12	0.31	0.69	6.44	0.01	0.04
7.13	0.30	0.70	6.44	0.01	0.05	7.14	0.30	0.70	6.43	0.01	0.05
7.15	0.29	0.71	6.43	0.01	0.05	7.16	0.28	0.72	6.42	0.01	0.05
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	0.25	0.75	6.31	0.01	0.05	7.40	0.25	0.75	6.30	0.01	0.05
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	0.24	0.76	6.11	0.01	0.05	7.80	0.26	0.74	6.10	0.01	0.05
7.81	0.27	0.73	6.10	0.01	0.04	7.82	0.27	0.73	6.09	0.01	0.04
7.83	0.27	0.73	6.09	0.01	0.04	7.84	0.27	0.73	6.08	0.01	0.04
7.85	0.27	0.73	6.08	0.01	0.04	7.86	0.26	0.74	6.07	0.01	0.04
7.87	0.26	0.74	6.07	0.01	0.04	7.88	0.26	0.74	6.06	0.01	0.05
7.89	0.25	0.75	6.06	0.01	0.05	7.90	0.26	0.74	6.05	0.01	0.05
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	0.26	0.74	6.02	0.01	0.04
7.97	0.26	0.74	6.02	0.01	0.04	7.98	0.26	0.74	6.01	0.01	0.04
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	0.25	0.75	5.86	0.01	0.04	8.30	0.26	0.74	5.85	0.01	0.04
8.31	0.26	0.74	5.85	0.01	0.04	8.32	0.26	0.74	5.84	0.01	0.04
8.33	0.23	0.77	5.84	0.01	0.04	8.34	0.23	0.77	5.83	0.01	0.04
8.35	0.23	0.77	5.83	0.01	0.04	8.36	0.23	0.77	5.82	0.01	0.04
8.37	0.24	0.76	5.82	0.01	0.04	8.38	0.24	0.76	5.81	0.01	0.04
8.39	0.25	0.75	5.81	0.01	0.04	8.40	0.25	0.75	5.80	0.01	0.04
8.41	0.26	0.74	5.80	0.01	0.04	8.42	0.26	0.74	5.79	0.01	0.04
8.43	0.27	0.73	5.79	0.01	0.04	8.44	0.27	0.73	5.78	0.01	0.04
8.45	0.26	0.74	5.78	0.01	0.04	8.46	0.27	0.73	5.77	0.01	0.04
8.47	0.26	0.74	5.77	0.01	0.04	8.48	0.26	0.74	5.76	0.01	0.04
8.49	0.28	0.72	5.76	0.01	0.04	8.50	0.29	0.71	5.75	0.01	0.04
8.51	0.31	0.69	5.75	0.01	0.04	8.52	0.32	0.68	5.74	0.01	0.04
8.53	0.33	0.67	5.74	0.01	0.04	8.54	0.32	0.68	5.73	0.01	0.04
8.55	0.33	0.67	5.72	0.01	0.04	8.56	0.32	0.68	5.72	0.01	0.04
8.57	0.33	0.67	5.72	0.01	0.04	8.58	0.33	0.67	5.71	0.01	0.04
8.59	0.34	0.66	5.71	0.01	0.04	8.60	0.30	0.70	5.70	0.01	0.04
8.61	0.30	0.70	5.70	0.01	0.04	8.62	0.29	0.71	5.69	0.01	0.04
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

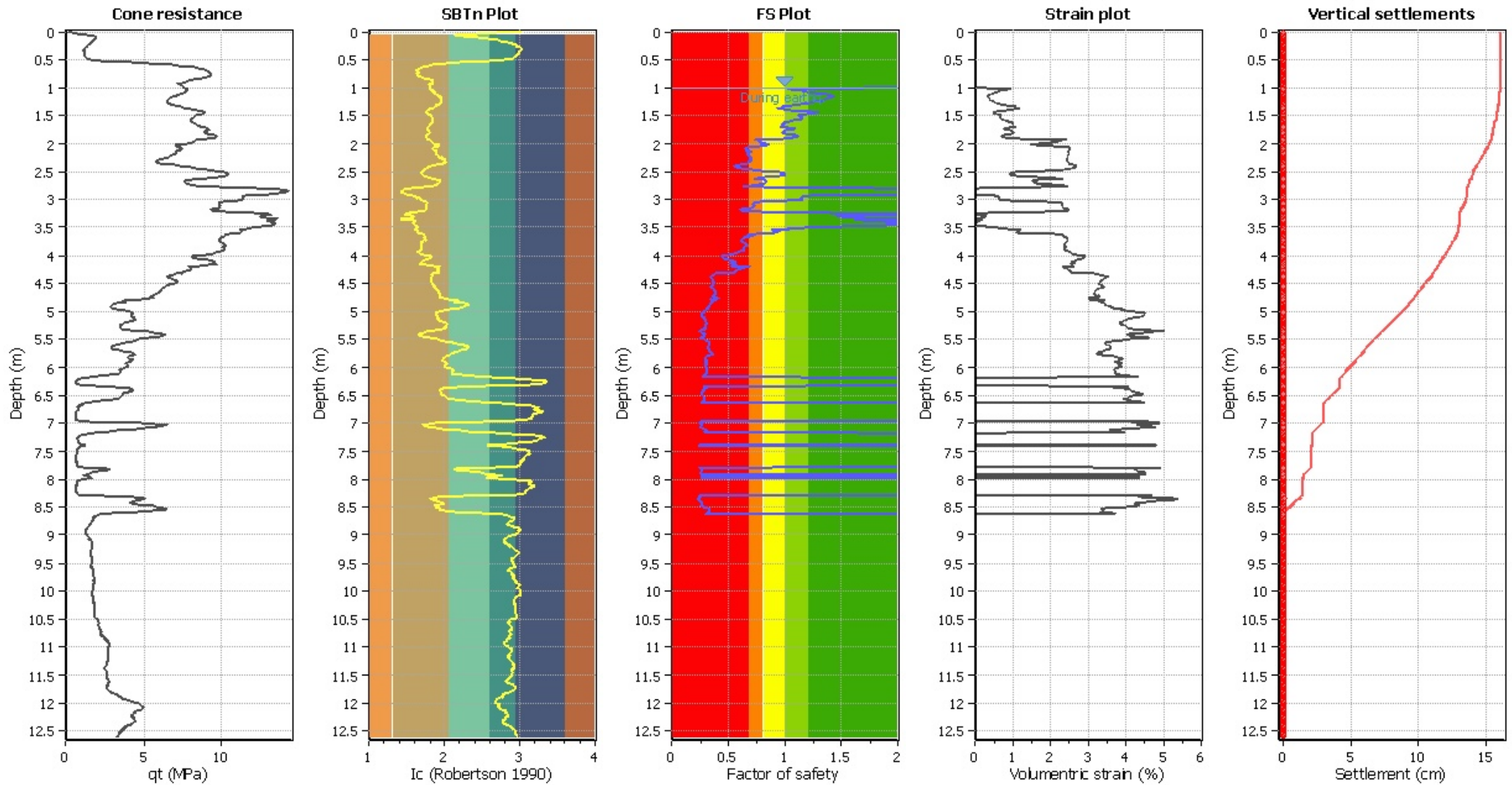
:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
<b>Overall liquefaction potential: 18.73</b>											

LPI = 0.00 - Liquefaction risk very low  
 LPI between 0.00 and 5.00 - Liquefaction risk low  
 LPI between 5.00 and 15.00 - Liquefaction risk high  
 LPI > 15.00 - Liquefaction risk very high

#### Abbreviations

FS: Calculated factor of safety for test point  
 F<sub>L</sub>: 1 - FS  
 w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
 d<sub>z</sub>: Layer thickness (m)  
 LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	131.58	2.00	0.00	1.00	0.00	1.01	133.30	1.02	0.98	1.00	0.01
1.02	134.78	1.05	0.90	1.00	0.01	1.03	135.48	1.06	0.87	1.00	0.01
1.04	136.85	1.08	0.81	1.00	0.01	1.05	138.27	1.11	0.74	1.00	0.01
1.06	140.16	1.16	0.66	1.00	0.01	1.07	142.34	1.21	0.58	1.00	0.01
1.08	143.36	1.24	0.54	1.00	0.01	1.09	145.20	1.29	0.47	1.00	0.00
1.10	146.92	1.34	0.42	1.00	0.00	1.11	147.21	1.34	0.41	1.00	0.00
1.12	148.38	1.38	0.38	1.00	0.00	1.13	149.50	1.42	0.34	1.00	0.00
1.14	149.23	1.40	0.36	1.00	0.00	1.15	150.02	1.42	0.34	1.00	0.00
1.16	150.49	1.44	0.32	1.00	0.00	1.17	149.70	1.40	0.36	1.00	0.00
1.18	150.04	1.41	0.35	1.00	0.00	1.19	149.74	1.39	0.37	1.00	0.00
1.20	149.23	1.36	0.39	1.00	0.00	1.21	149.25	1.36	0.39	1.00	0.00
1.22	148.73	1.34	0.42	1.00	0.00	1.23	148.34	1.32	0.44	1.00	0.00
1.24	147.62	1.29	0.47	1.00	0.00	1.25	146.80	1.26	0.51	1.00	0.01
1.26	146.45	1.24	0.53	1.00	0.01	1.27	145.14	1.19	0.59	1.00	0.01
1.28	144.98	1.19	0.60	1.00	0.01	1.29	144.00	1.15	0.66	1.00	0.01
1.30	143.17	1.13	0.70	1.00	0.01	1.31	141.54	1.08	0.80	1.00	0.01
1.32	141.67	1.08	0.80	1.00	0.01	1.33	139.74	1.03	0.92	1.00	0.01
1.34	137.58	0.98	1.07	1.00	0.01	1.35	138.25	0.99	1.03	1.00	0.01
1.36	136.17	0.94	1.20	1.00	0.01	1.37	138.20	0.98	1.05	1.00	0.01
1.38	138.46	0.98	1.04	1.00	0.01	1.39	139.55	1.00	0.97	1.00	0.01
1.40	143.38	1.10	0.76	1.00	0.01	1.41	145.02	1.14	0.68	1.00	0.01
1.42	146.83	1.19	0.60	1.00	0.01	1.43	149.50	1.27	0.49	1.00	0.00
1.44	150.34	1.30	0.46	1.00	0.00	1.45	150.02	1.28	0.47	1.00	0.00
1.46	148.95	1.24	0.52	1.00	0.01	1.47	147.73	1.20	0.58	1.00	0.01
1.48	146.96	1.17	0.62	1.00	0.01	1.49	145.35	1.12	0.70	1.00	0.01
1.50	146.06	1.14	0.67	1.00	0.01	1.51	146.64	1.15	0.65	1.00	0.01
1.52	146.11	1.13	0.68	1.00	0.01	1.53	146.64	1.15	0.66	1.00	0.01
1.54	147.02	1.16	0.64	1.00	0.01	1.55	146.49	1.14	0.67	1.00	0.01
1.56	146.62	1.14	0.67	1.00	0.01	1.57	145.84	1.11	0.72	1.00	0.01
1.58	145.24	1.09	0.75	1.00	0.01	1.59	144.18	1.06	0.82	1.00	0.01
1.60	143.77	1.05	0.85	1.00	0.01	1.61	142.88	1.02	0.91	1.00	0.01
1.62	142.44	1.01	0.94	1.00	0.01	1.63	141.65	0.99	1.00	1.00	0.01
1.64	142.05	1.00	0.98	1.00	0.01	1.65	141.28	0.98	1.03	1.00	0.01
1.66	141.85	0.99	1.00	1.00	0.01	1.67	141.21	0.97	1.05	1.00	0.01
1.68	141.34	0.97	1.05	1.00	0.01	1.69	141.11	0.96	1.07	1.00	0.01
1.70	142.58	1.00	0.97	1.00	0.01	1.71	143.29	1.01	0.93	1.00	0.01
1.72	144.56	1.04	0.86	1.00	0.01	1.73	146.44	1.09	0.75	1.00	0.01
1.74	146.16	1.08	0.77	1.00	0.01	1.75	144.61	1.04	0.87	1.00	0.01
1.76	143.79	1.01	0.92	1.00	0.01	1.77	143.15	0.99	0.97	1.00	0.01
1.78	142.84	0.99	1.00	1.00	0.01	1.79	142.43	0.97	1.03	1.00	0.01
1.80	142.64	0.98	1.02	1.00	0.01	1.81	142.55	0.97	1.03	1.00	0.01
1.82	144.08	1.01	0.93	1.00	0.01	1.83	144.78	1.02	0.89	1.00	0.01
1.84	147.04	1.08	0.76	1.00	0.01	1.85	147.64	1.10	0.73	1.00	0.01
1.86	148.20	1.11	0.71	1.00	0.01	1.87	148.41	1.12	0.70	1.00	0.01
1.88	147.91	1.10	0.73	1.00	0.01	1.89	146.81	1.07	0.79	1.00	0.01
1.90	146.56	1.06	0.81	1.00	0.01	1.91	146.35	1.05	0.83	1.00	0.01
1.92	130.04	0.73	2.43	1.00	0.02	1.93	132.53	0.76	2.31	1.00	0.02
1.94	132.61	0.76	2.30	1.00	0.02	1.95	133.31	0.77	2.18	1.00	0.02

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	133.60	0.78	2.13	1.00	0.02	1.97	134.76	0.79	1.95	1.00	0.02
1.98	135.11	0.80	1.90	1.00	0.02	1.99	134.35	0.78	2.03	1.00	0.02
2.00	138.64	0.86	1.47	1.00	0.01	2.01	134.85	0.79	1.97	1.00	0.02
2.02	136.97	0.83	1.68	1.00	0.02	2.03	137.59	0.84	1.61	1.00	0.02
2.04	135.36	0.80	1.92	1.00	0.02	2.05	132.11	0.74	2.39	1.00	0.02
2.06	128.78	0.69	2.46	1.00	0.02	2.07	127.05	0.67	2.50	1.00	0.02
2.08	125.24	0.65	2.54	1.00	0.03	2.09	126.02	0.66	2.52	1.00	0.03
2.10	126.05	0.66	2.52	1.00	0.03	2.11	127.38	0.67	2.49	1.00	0.02
2.12	128.39	0.68	2.47	1.00	0.02	2.13	129.26	0.69	2.45	1.00	0.02
2.14	130.09	0.70	2.43	1.00	0.02	2.15	129.09	0.69	2.45	1.00	0.02
2.16	127.93	0.67	2.48	1.00	0.02	2.17	127.32	0.67	2.49	1.00	0.02
2.18	128.28	0.68	2.47	1.00	0.02	2.19	128.03	0.67	2.48	1.00	0.02
2.20	128.78	0.68	2.46	1.00	0.02	2.21	129.25	0.69	2.45	1.00	0.02
2.22	129.26	0.69	2.45	1.00	0.02	2.23	129.90	0.69	2.44	1.00	0.02
2.24	131.04	0.71	2.41	1.00	0.02	2.25	130.34	0.70	2.43	1.00	0.02
2.26	131.05	0.71	2.41	1.00	0.02	2.27	131.42	0.71	2.41	1.00	0.02
2.28	130.61	0.70	2.42	1.00	0.02	2.29	130.86	0.70	2.42	1.00	0.02
2.30	130.55	0.70	2.42	1.00	0.02	2.31	130.41	0.69	2.43	1.00	0.02
2.32	129.71	0.68	2.44	1.00	0.02	2.33	129.49	0.68	2.45	1.00	0.02
2.34	128.38	0.66	2.47	1.00	0.02	2.35	128.74	0.67	2.46	1.00	0.02
2.36	127.27	0.65	2.49	1.00	0.02	2.37	123.63	0.61	2.57	1.00	0.03
2.38	122.94	0.60	2.59	1.00	0.03	2.39	118.55	0.56	2.69	1.00	0.03
2.40	120.08	0.57	2.65	1.00	0.03	2.41	119.69	0.57	2.66	1.00	0.03
2.42	120.32	0.57	2.65	1.00	0.03	2.43	123.18	0.60	2.58	1.00	0.03
2.44	125.08	0.62	2.54	1.00	0.03	2.45	127.15	0.64	2.49	1.00	0.02
2.46	131.75	0.70	2.40	1.00	0.02	2.47	134.16	0.73	2.35	1.00	0.02
2.48	136.55	0.77	2.04	1.00	0.02	2.49	140.93	0.85	1.47	1.00	0.01
2.50	142.81	0.89	1.29	1.00	0.01	2.51	145.51	0.95	1.07	1.00	0.01
2.52	146.22	0.96	1.02	1.00	0.01	2.53	146.80	0.98	0.98	1.00	0.01
2.54	147.62	1.00	0.93	1.00	0.01	2.55	147.75	1.00	0.92	1.00	0.01
2.56	147.41	0.99	0.95	1.00	0.01	2.57	145.33	0.94	1.10	1.00	0.01
2.58	143.95	0.91	1.21	1.00	0.01	2.59	142.33	0.87	1.36	1.00	0.01
2.60	137.90	0.78	1.89	1.00	0.02	2.61	137.30	0.77	1.99	1.00	0.02
2.62	134.63	0.73	2.34	1.00	0.02	2.63	137.59	0.78	1.95	1.00	0.02
2.64	139.04	0.80	1.75	1.00	0.02	2.65	140.74	0.83	1.54	1.00	0.02
2.66	139.93	0.82	1.64	1.00	0.02	2.67	141.01	0.84	1.52	1.00	0.02
2.68	140.90	0.83	1.53	1.00	0.02	2.69	140.70	0.83	1.56	1.00	0.02
2.70	139.94	0.81	1.65	1.00	0.02	2.71	139.28	0.80	1.74	1.00	0.02
2.72	138.08	0.78	1.92	1.00	0.02	2.73	136.82	0.76	2.13	1.00	0.02
2.74	133.16	0.70	2.37	1.00	0.02	2.75	132.23	0.69	2.39	1.00	0.02
2.76	128.08	0.63	2.47	1.00	0.02	2.77	137.42	0.77	2.04	1.00	0.02
2.78	143.59	0.88	1.29	1.00	0.01	2.79	150.60	1.06	0.79	1.00	0.01
2.80	165.69	1.71	0.14	1.00	0.00	2.81	173.32	2.00	0.00	1.00	0.00
2.82	184.64	2.00	0.00	1.00	0.00	2.83	187.77	2.00	0.00	1.00	0.00
2.84	189.17	2.00	0.00	1.00	0.00	2.85	188.21	2.00	0.00	1.00	0.00
2.86	187.03	2.00	0.00	1.00	0.00	2.87	182.94	2.00	0.00	1.00	0.00
2.88	180.35	2.00	0.00	1.00	0.00	2.89	177.42	2.00	0.00	1.00	0.00
2.90	177.32	2.00	0.00	1.00	0.00	2.91	177.22	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	157.22	1.27	0.47	1.00	0.00	2.93	156.45	1.24	0.51	1.00	0.01
2.94	155.12	1.19	0.57	1.00	0.01	2.95	153.89	1.15	0.63	1.00	0.01
2.96	153.79	1.14	0.64	1.00	0.01	2.97	153.80	1.14	0.64	1.00	0.01
2.98	154.04	1.15	0.63	1.00	0.01	2.99	154.27	1.16	0.62	1.00	0.01
3.00	154.06	1.15	0.63	1.00	0.01	3.01	148.08	0.97	0.98	1.00	0.01
3.02	145.02	0.90	1.22	1.00	0.01	3.03	139.99	0.80	1.76	1.00	0.02
3.04	138.41	0.77	1.99	1.00	0.02	3.05	136.95	0.74	2.25	1.00	0.02
3.06	135.94	0.73	2.32	1.00	0.02	3.07	135.60	0.72	2.32	1.00	0.02
3.08	135.61	0.72	2.32	1.00	0.02	3.09	135.96	0.72	2.32	1.00	0.02
3.10	136.78	0.74	2.30	1.00	0.02	3.11	136.22	0.73	2.31	1.00	0.02
3.12	135.78	0.72	2.32	1.00	0.02	3.13	135.69	0.72	2.32	1.00	0.02
3.14	134.67	0.70	2.34	1.00	0.02	3.15	134.92	0.71	2.34	1.00	0.02
3.16	129.50	0.63	2.44	1.00	0.02	3.17	128.24	0.62	2.47	1.00	0.02
3.18	127.45	0.61	2.49	1.00	0.02	3.19	128.76	0.62	2.46	1.00	0.02
3.20	130.53	0.64	2.42	1.00	0.02	3.21	137.93	0.75	2.13	1.00	0.02
3.22	142.98	0.84	1.45	1.00	0.01	3.23	148.65	0.97	0.98	1.00	0.01
3.24	159.94	1.36	0.38	1.00	0.00	3.25	163.59	1.54	0.24	1.00	0.00
3.26	170.61	1.99	0.00	1.00	0.00	3.27	174.10	2.00	0.00	1.00	0.00
3.28	169.77	1.92	0.03	1.00	0.00	3.29	162.11	1.46	0.30	1.00	0.00
3.30	163.11	1.51	0.26	1.00	0.00	3.31	163.78	1.54	0.24	1.00	0.00
3.32	167.85	1.78	0.10	1.00	0.00	3.33	175.89	2.00	0.00	1.00	0.00
3.34	179.25	2.00	0.00	1.00	0.00	3.35	169.21	1.88	0.05	1.00	0.00
3.36	172.26	2.00	0.00	1.00	0.00	3.37	165.30	1.62	0.19	1.00	0.00
3.38	168.04	1.79	0.09	1.00	0.00	3.39	168.81	1.84	0.07	1.00	0.00
3.40	171.00	2.00	0.00	1.00	0.00	3.41	172.20	2.00	0.00	1.00	0.00
3.42	173.18	2.00	0.00	1.00	0.00	3.43	172.21	2.00	0.00	1.00	0.00
3.44	171.47	2.00	0.00	1.00	0.00	3.45	169.31	1.87	0.05	1.00	0.00
3.46	168.23	1.80	0.09	1.00	0.00	3.47	164.43	1.56	0.22	1.00	0.00
3.48	162.58	1.47	0.29	1.00	0.00	3.49	158.31	1.27	0.47	1.00	0.00
3.50	156.79	1.21	0.54	1.00	0.01	3.51	153.82	1.11	0.69	1.00	0.01
3.52	150.96	1.02	0.86	1.00	0.01	3.53	151.31	1.03	0.84	1.00	0.01
3.54	145.76	0.89	1.24	1.00	0.01	3.55	146.79	0.91	1.15	1.00	0.01
3.56	146.36	0.90	1.19	1.00	0.01	3.57	148.06	0.94	1.06	1.00	0.01
3.58	146.63	0.91	1.17	1.00	0.01	3.59	143.52	0.84	1.46	1.00	0.01
3.60	141.53	0.80	1.69	1.00	0.02	3.61	137.95	0.74	2.25	1.00	0.02
3.62	134.36	0.68	2.35	1.00	0.02	3.63	135.40	0.70	2.33	1.00	0.02
3.64	136.78	0.72	2.30	1.00	0.02	3.65	133.76	0.67	2.36	1.00	0.02
3.66	134.01	0.67	2.35	1.00	0.02	3.67	132.22	0.65	2.39	1.00	0.02
3.68	131.45	0.64	2.41	1.00	0.02	3.69	131.14	0.64	2.41	1.00	0.02
3.70	130.37	0.63	2.43	1.00	0.02	3.71	129.83	0.62	2.44	1.00	0.02
3.72	129.86	0.62	2.44	1.00	0.02	3.73	129.55	0.62	2.44	1.00	0.02
3.74	129.81	0.62	2.44	1.00	0.02	3.75	130.41	0.63	2.43	1.00	0.02
3.76	131.01	0.63	2.41	1.00	0.02	3.77	131.83	0.64	2.40	1.00	0.02
3.78	132.76	0.65	2.38	1.00	0.02	3.79	133.02	0.66	2.37	1.00	0.02
3.80	133.84	0.67	2.36	1.00	0.02	3.81	133.86	0.67	2.36	1.00	0.02
3.82	133.44	0.66	2.37	1.00	0.02	3.83	132.80	0.65	2.38	1.00	0.02
3.84	131.92	0.64	2.40	1.00	0.02	3.85	131.50	0.64	2.40	1.00	0.02
3.86	131.76	0.64	2.40	1.00	0.02	3.87	131.79	0.64	2.40	1.00	0.02

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	132.05	0.64	2.39	1.00	0.02	3.89	132.19	0.64	2.39	1.00	0.02
3.90	132.11	0.64	2.39	1.00	0.02	3.91	132.03	0.64	2.39	1.00	0.02
3.92	127.09	0.58	2.50	1.00	0.02	3.93	127.58	0.59	2.49	1.00	0.02
3.94	127.16	0.58	2.49	1.00	0.02	3.95	125.37	0.57	2.53	1.00	0.03
3.96	123.81	0.55	2.57	1.00	0.03	3.97	122.59	0.54	2.59	1.00	0.03
3.98	120.80	0.52	2.64	1.00	0.03	3.99	120.38	0.52	2.65	1.00	0.03
4.00	113.28	0.46	2.82	1.00	0.03	4.01	110.06	0.44	2.91	1.00	0.03
4.02	109.71	0.44	2.92	1.00	0.03	4.03	110.73	0.44	2.89	1.00	0.03
4.04	110.89	0.45	2.89	1.00	0.03	4.05	113.27	0.46	2.82	1.00	0.03
4.06	113.23	0.46	2.82	1.00	0.03	4.07	117.38	0.49	2.72	1.00	0.03
4.08	119.91	0.51	2.66	1.00	0.03	4.09	122.23	0.53	2.60	1.00	0.03
4.10	124.20	0.55	2.56	1.00	0.03	4.11	125.14	0.56	2.54	1.00	0.03
4.12	122.57	0.54	2.60	1.00	0.03	4.13	120.45	0.52	2.64	1.00	0.03
4.14	121.40	0.52	2.62	1.00	0.03	4.15	124.61	0.55	2.55	1.00	0.03
4.16	125.44	0.56	2.53	1.00	0.03	4.17	123.33	0.54	2.58	1.00	0.03
4.18	122.15	0.53	2.60	1.00	0.03	4.19	132.07	0.64	2.39	1.00	0.02
4.20	135.88	0.69	2.32	1.00	0.02	4.21	131.51	0.63	2.40	1.00	0.02
4.22	130.15	0.61	2.43	1.00	0.02	4.23	129.32	0.60	2.45	1.00	0.02
4.24	128.28	0.59	2.47	1.00	0.02	4.25	127.94	0.59	2.48	1.00	0.02
4.26	126.09	0.57	2.52	1.00	0.03	4.27	126.67	0.57	2.50	1.00	0.03
4.28	125.67	0.56	2.53	1.00	0.03	4.29	125.86	0.56	2.52	1.00	0.03
4.30	126.14	0.57	2.52	1.00	0.03	4.31	120.92	0.52	2.63	1.00	0.03
4.32	113.11	0.45	2.83	1.00	0.03	4.33	102.17	0.39	3.14	1.00	0.03
4.34	97.32	0.37	3.30	1.00	0.03	4.35	95.99	0.36	3.35	1.00	0.03
4.36	93.36	0.35	3.44	1.00	0.03	4.37	91.86	0.34	3.50	1.00	0.04
4.38	91.19	0.34	3.53	1.00	0.04	4.39	91.74	0.34	3.51	1.00	0.04
4.40	92.59	0.35	3.47	1.00	0.03	4.41	93.59	0.35	3.44	1.00	0.03
4.42	95.29	0.36	3.37	1.00	0.03	4.43	95.43	0.36	3.37	1.00	0.03
4.44	96.58	0.36	3.33	1.00	0.03	4.45	96.56	0.36	3.33	1.00	0.03
4.46	97.30	0.36	3.30	1.00	0.03	4.47	97.40	0.36	3.30	1.00	0.03
4.48	97.67	0.37	3.29	1.00	0.03	4.49	97.79	0.37	3.29	1.00	0.03
4.50	96.93	0.36	3.32	1.00	0.03	4.51	96.76	0.36	3.32	1.00	0.03
4.52	96.67	0.36	3.33	1.00	0.03	4.53	95.37	0.36	3.37	1.00	0.03
4.54	95.09	0.35	3.38	1.00	0.03	4.55	94.44	0.35	3.40	1.00	0.03
4.56	94.25	0.35	3.41	1.00	0.03	4.57	94.32	0.35	3.41	1.00	0.03
4.58	95.79	0.36	3.36	1.00	0.03	4.59	96.78	0.36	3.32	1.00	0.03
4.60	98.47	0.37	3.26	1.00	0.03	4.61	99.59	0.37	3.23	1.00	0.03
4.62	100.17	0.37	3.21	1.00	0.03	4.63	100.87	0.38	3.18	1.00	0.03
4.64	101.15	0.38	3.18	1.00	0.03	4.65	101.70	0.38	3.16	1.00	0.03
4.66	102.23	0.38	3.14	1.00	0.03	4.67	101.62	0.38	3.16	1.00	0.03
4.68	101.56	0.38	3.16	1.00	0.03	4.69	101.50	0.38	3.16	1.00	0.03
4.70	101.01	0.38	3.18	1.00	0.03	4.71	100.16	0.37	3.21	1.00	0.03
4.72	100.02	0.37	3.21	1.00	0.03	4.73	96.78	0.36	3.32	1.00	0.03
4.74	97.53	0.36	3.30	1.00	0.03	4.75	99.99	0.37	3.21	1.00	0.03
4.76	104.19	0.39	3.08	1.00	0.03	4.77	106.40	0.40	3.01	1.00	0.03
4.78	105.58	0.40	3.04	1.00	0.03	4.79	93.22	0.34	3.45	1.00	0.03
4.80	97.59	0.36	3.29	1.00	0.03	4.81	97.47	0.36	3.30	1.00	0.03
4.82	97.79	0.36	3.29	1.00	0.03	4.83	97.04	0.36	3.31	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	97.00	0.36	3.31	1.00	0.03	4.85	93.99	0.35	3.42	1.00	0.03
4.86	94.34	0.35	3.41	1.00	0.03	4.87	93.91	0.34	3.42	1.00	0.03
4.88	92.42	0.34	3.48	1.00	0.03	4.89	91.88	0.34	3.50	1.00	0.03
4.90	91.80	0.34	3.50	1.00	0.04	4.91	91.11	0.33	3.53	1.00	0.04
4.92	88.77	0.32	3.62	1.00	0.04	4.93	86.79	0.32	3.70	1.00	0.04
4.94	85.57	0.31	3.76	1.00	0.04	4.95	82.49	0.30	3.89	1.00	0.04
4.96	82.00	0.30	3.91	1.00	0.04	4.97	83.29	0.31	3.86	1.00	0.04
4.98	81.85	0.30	3.92	1.00	0.04	4.99	80.18	0.30	4.00	1.00	0.04
5.00	76.63	0.29	4.18	1.00	0.04	5.01	74.40	0.28	4.30	1.00	0.04
5.02	71.65	0.27	4.45	1.00	0.04	5.03	71.02	0.27	4.49	1.00	0.04
5.04	71.13	0.27	4.48	1.00	0.04	5.05	71.06	0.27	4.49	1.00	0.04
5.06	71.56	0.27	4.46	1.00	0.04	5.07	71.33	0.27	4.47	1.00	0.04
5.08	71.88	0.27	4.44	1.00	0.04	5.09	72.91	0.28	4.38	1.00	0.04
5.10	74.21	0.28	4.31	1.00	0.04	5.11	75.57	0.28	4.23	1.00	0.04
5.12	76.89	0.29	4.16	1.00	0.04	5.13	78.49	0.29	4.08	1.00	0.04
5.14	79.44	0.29	4.04	1.00	0.04	5.15	80.32	0.30	3.99	1.00	0.04
5.16	81.01	0.30	3.96	1.00	0.04	5.17	82.01	0.30	3.91	1.00	0.04
5.18	81.89	0.30	3.92	1.00	0.04	5.19	83.03	0.30	3.87	1.00	0.04
5.20	84.05	0.31	3.82	1.00	0.04	5.21	83.48	0.30	3.85	1.00	0.04
5.22	83.85	0.30	3.83	1.00	0.04	5.23	82.97	0.30	3.87	1.00	0.04
5.24	82.11	0.30	3.91	1.00	0.04	5.25	81.22	0.30	3.95	1.00	0.04
5.26	80.41	0.29	3.99	1.00	0.04	5.27	79.97	0.29	4.01	1.00	0.04
5.28	79.75	0.29	4.02	1.00	0.04	5.29	79.07	0.29	4.05	1.00	0.04
5.30	78.61	0.29	4.08	1.00	0.04	5.31	77.34	0.28	4.14	1.00	0.04
5.32	74.79	0.28	4.28	1.00	0.04	5.33	72.97	0.27	4.38	1.00	0.04
5.34	68.66	0.26	4.63	1.00	0.05	5.35	62.54	0.25	5.04	1.00	0.05
5.36	63.18	0.25	5.00	1.00	0.05	5.37	67.23	0.26	4.72	1.00	0.05
5.38	72.42	0.27	4.41	1.00	0.04	5.39	76.19	0.28	4.20	1.00	0.04
5.40	79.94	0.29	4.01	1.00	0.04	5.41	80.12	0.29	4.00	1.00	0.04
5.42	80.08	0.29	4.00	1.00	0.04	5.43	78.10	0.29	4.10	1.00	0.04
5.44	76.45	0.28	4.19	1.00	0.04	5.45	74.34	0.28	4.30	1.00	0.04
5.46	70.15	0.27	4.54	1.00	0.05	5.47	68.69	0.26	4.63	1.00	0.05
5.48	69.17	0.26	4.60	1.00	0.05	5.49	73.55	0.27	4.34	1.00	0.04
5.50	77.63	0.28	4.13	1.00	0.04	5.51	82.95	0.30	3.87	1.00	0.04
5.52	86.15	0.31	3.73	1.00	0.04	5.53	89.73	0.32	3.58	1.00	0.04
5.54	90.61	0.32	3.55	1.00	0.04	5.55	92.53	0.33	3.48	1.00	0.03
5.56	93.58	0.33	3.44	1.00	0.03	5.57	92.44	0.33	3.48	1.00	0.03
5.58	92.61	0.33	3.47	1.00	0.03	5.59	92.20	0.33	3.49	1.00	0.03
5.60	92.08	0.33	3.49	1.00	0.03	5.61	90.67	0.32	3.55	1.00	0.04
5.62	90.56	0.32	3.55	1.00	0.04	5.63	90.28	0.32	3.56	1.00	0.04
5.64	89.90	0.32	3.58	1.00	0.04	5.65	90.05	0.32	3.57	1.00	0.04
5.66	90.14	0.32	3.57	1.00	0.04	5.67	90.57	0.32	3.55	1.00	0.04
5.68	92.75	0.33	3.47	1.00	0.03	5.69	93.37	0.33	3.44	1.00	0.03
5.70	94.04	0.34	3.42	1.00	0.03	5.71	94.71	0.34	3.39	1.00	0.03
5.72	97.20	0.35	3.31	1.00	0.03	5.73	97.84	0.35	3.29	1.00	0.03
5.74	98.37	0.35	3.27	1.00	0.03	5.75	100.00	0.36	3.21	1.00	0.03
5.76	99.50	0.36	3.23	1.00	0.03	5.77	99.05	0.36	3.24	1.00	0.03
5.78	96.17	0.34	3.34	1.00	0.03	5.79	93.88	0.33	3.43	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	90.47	0.32	3.55	1.00	0.04	5.81	87.18	0.31	3.69	1.00	0.04
5.82	84.10	0.30	3.82	1.00	0.04	5.83	82.45	0.30	3.89	1.00	0.04
5.84	82.09	0.29	3.91	1.00	0.04	5.85	81.96	0.29	3.92	1.00	0.04
5.86	83.64	0.30	3.84	1.00	0.04	5.87	83.93	0.30	3.83	1.00	0.04
5.88	85.26	0.30	3.77	1.00	0.04	5.89	84.16	0.30	3.82	1.00	0.04
5.90	85.37	0.30	3.76	1.00	0.04	5.91	86.70	0.31	3.71	1.00	0.04
5.92	82.21	0.29	3.90	1.00	0.04	5.93	84.17	0.30	3.82	1.00	0.04
5.94	85.23	0.30	3.77	1.00	0.04	5.95	85.14	0.30	3.77	1.00	0.04
5.96	84.18	0.30	3.82	1.00	0.04	5.97	83.00	0.30	3.87	1.00	0.04
5.98	82.20	0.29	3.91	1.00	0.04	5.99	82.89	0.30	3.87	1.00	0.04
6.00	85.23	0.30	3.77	1.00	0.04	6.01	85.05	0.30	3.78	1.00	0.04
6.02	86.72	0.31	3.71	1.00	0.04	6.03	86.44	0.31	3.72	1.00	0.04
6.04	86.89	0.31	3.70	1.00	0.04	6.05	86.80	0.31	3.70	1.00	0.04
6.06	86.72	0.31	3.71	1.00	0.04	6.07	86.63	0.31	3.71	1.00	0.04
6.08	86.49	0.31	3.72	1.00	0.04	6.09	86.22	0.31	3.73	1.00	0.04
6.10	85.86	0.30	3.74	1.00	0.04	6.11	85.97	0.30	3.74	1.00	0.04
6.12	84.82	0.30	3.79	1.00	0.04	6.13	83.06	0.30	3.87	1.00	0.04
6.14	81.59	0.29	3.93	1.00	0.04	6.15	75.82	0.27	4.22	1.00	0.04
6.16	74.83	0.27	4.27	1.00	0.04	6.17	73.72	0.27	4.33	1.00	0.04
6.18	16.65	2.00	0.00	1.00	0.00	6.19	13.33	2.00	0.00	1.00	0.00
6.20	12.01	2.00	0.00	1.00	0.00	6.21	10.34	2.00	0.00	1.00	0.00
6.22	9.27	2.00	0.00	1.00	0.00	6.23	7.59	2.00	0.00	1.00	0.00
6.24	7.35	2.00	0.00	1.00	0.00	6.25	7.11	2.00	0.00	1.00	0.00
6.26	6.99	2.00	0.00	1.00	0.00	6.27	7.58	2.00	0.00	1.00	0.00
6.28	7.93	2.00	0.00	1.00	0.00	6.29	8.28	2.00	0.00	1.00	0.00
6.30	8.51	2.00	0.00	1.00	0.00	6.31	9.93	2.00	0.00	1.00	0.00
6.32	12.99	2.00	0.00	1.00	0.00	6.33	17.67	2.00	0.00	1.00	0.00
6.34	78.76	0.28	4.07	1.00	0.04	6.35	89.40	0.31	3.60	1.00	0.04
6.36	85.64	0.30	3.75	1.00	0.04	6.37	82.86	0.29	3.88	1.00	0.04
6.38	81.96	0.29	3.92	1.00	0.04	6.39	79.62	0.28	4.03	1.00	0.04
6.40	78.13	0.28	4.10	1.00	0.04	6.41	77.30	0.28	4.14	1.00	0.04
6.42	76.16	0.27	4.20	1.00	0.04	6.43	75.65	0.27	4.23	1.00	0.04
6.44	75.40	0.27	4.24	1.00	0.04	6.45	74.71	0.27	4.28	1.00	0.04
6.46	72.60	0.27	4.40	1.00	0.04	6.47	71.87	0.26	4.44	1.00	0.04
6.48	71.51	0.26	4.46	1.00	0.04	6.49	72.87	0.27	4.38	1.00	0.04
6.50	74.30	0.27	4.30	1.00	0.04	6.51	76.21	0.27	4.20	1.00	0.04
6.52	77.71	0.28	4.12	1.00	0.04	6.53	78.80	0.28	4.07	1.00	0.04
6.54	79.62	0.28	4.03	1.00	0.04	6.55	80.42	0.29	3.99	1.00	0.04
6.56	81.45	0.29	3.94	1.00	0.04	6.57	79.93	0.28	4.01	1.00	0.04
6.58	79.97	0.28	4.01	1.00	0.04	6.59	78.55	0.28	4.08	1.00	0.04
6.60	77.05	0.28	4.16	1.00	0.04	6.61	75.15	0.27	4.26	1.00	0.04
6.62	71.07	0.26	4.49	1.00	0.04	6.63	15.12	2.00	0.00	1.00	0.00
6.64	14.06	2.00	0.00	1.00	0.00	6.65	12.66	2.00	0.00	1.00	0.00
6.66	11.95	2.00	0.00	1.00	0.00	6.67	11.25	2.00	0.00	1.00	0.00
6.68	10.55	2.00	0.00	1.00	0.00	6.69	9.85	2.00	0.00	1.00	0.00
6.70	8.91	2.00	0.00	1.00	0.00	6.71	8.44	2.00	0.00	1.00	0.00
6.72	8.56	2.00	0.00	1.00	0.00	6.73	8.90	2.00	0.00	1.00	0.00
6.74	9.12	2.00	0.00	1.00	0.00	6.75	9.24	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	8.54	2.00	0.00	1.00	0.00	6.77	8.18	2.00	0.00	1.00	0.00
6.78	7.37	2.00	0.00	1.00	0.00	6.79	7.02	2.00	0.00	1.00	0.00
6.80	6.78	2.00	0.00	1.00	0.00	6.81	6.78	2.00	0.00	1.00	0.00
6.82	6.77	2.00	0.00	1.00	0.00	6.83	6.77	2.00	0.00	1.00	0.00
6.84	6.88	2.00	0.00	1.00	0.00	6.85	6.88	2.00	0.00	1.00	0.00
6.86	6.88	2.00	0.00	1.00	0.00	6.87	6.87	2.00	0.00	1.00	0.00
6.88	6.99	2.00	0.00	1.00	0.00	6.89	6.98	2.00	0.00	1.00	0.00
6.90	6.98	2.00	0.00	1.00	0.00	6.91	6.98	2.00	0.00	1.00	0.00
6.92	6.74	2.00	0.00	1.00	0.00	6.93	7.43	2.00	0.00	1.00	0.00
6.94	7.54	2.00	0.00	1.00	0.00	6.95	7.65	2.00	0.00	1.00	0.00
6.96	8.00	2.00	0.00	1.00	0.00	6.97	68.74	0.25	4.63	1.00	0.05
6.98	75.26	0.27	4.25	1.00	0.04	6.99	77.32	0.27	4.14	1.00	0.04
7.00	64.90	0.25	4.88	1.00	0.05	7.01	74.33	0.27	4.30	1.00	0.04
7.02	74.93	0.27	4.27	1.00	0.04	7.03	73.38	0.26	4.35	1.00	0.04
7.04	71.60	0.26	4.45	1.00	0.04	7.05	69.51	0.26	4.58	1.00	0.05
7.06	65.67	0.25	4.82	1.00	0.05	7.07	67.22	0.25	4.72	1.00	0.05
7.08	70.39	0.26	4.53	1.00	0.05	7.09	77.76	0.28	4.12	1.00	0.04
7.10	81.68	0.29	3.93	1.00	0.04	7.11	86.80	0.30	3.70	1.00	0.04
7.12	90.67	0.31	3.55	1.00	0.04	7.13	86.35	0.30	3.72	1.00	0.04
7.14	85.96	0.30	3.74	1.00	0.04	7.15	83.05	0.29	3.87	1.00	0.04
7.16	80.91	0.28	3.97	1.00	0.04	7.17	17.73	2.00	0.00	1.00	0.00
7.18	15.92	2.00	0.00	1.00	0.00	7.19	14.45	2.00	0.00	1.00	0.00
7.20	13.09	2.00	0.00	1.00	0.00	7.21	10.49	2.00	0.00	1.00	0.00
7.22	9.69	2.00	0.00	1.00	0.00	7.23	8.90	2.00	0.00	1.00	0.00
7.24	8.55	2.00	0.00	1.00	0.00	7.25	8.32	2.00	0.00	1.00	0.00
7.26	8.32	2.00	0.00	1.00	0.00	7.27	8.31	2.00	0.00	1.00	0.00
7.28	8.31	2.00	0.00	1.00	0.00	7.29	8.30	2.00	0.00	1.00	0.00
7.30	8.30	2.00	0.00	1.00	0.00	7.31	8.30	2.00	0.00	1.00	0.00
7.32	8.29	2.00	0.00	1.00	0.00	7.33	7.95	2.00	0.00	1.00	0.00
7.34	8.06	2.00	0.00	1.00	0.00	7.35	8.05	2.00	0.00	1.00	0.00
7.36	8.17	2.00	0.00	1.00	0.00	7.37	8.62	2.00	0.00	1.00	0.00
7.38	10.87	2.00	0.00	1.00	0.00	7.39	65.68	0.25	4.82	1.00	0.05
7.40	66.54	0.25	4.77	1.00	0.05	7.41	10.97	2.00	0.00	1.00	0.00
7.42	9.05	2.00	0.00	1.00	0.00	7.43	8.82	2.00	0.00	1.00	0.00
7.44	8.48	2.00	0.00	1.00	0.00	7.45	7.91	2.00	0.00	1.00	0.00
7.46	7.23	2.00	0.00	1.00	0.00	7.47	7.12	2.00	0.00	1.00	0.00
7.48	7.00	2.00	0.00	1.00	0.00	7.49	7.00	2.00	0.00	1.00	0.00
7.50	7.00	2.00	0.00	1.00	0.00	7.51	6.99	2.00	0.00	1.00	0.00
7.52	6.99	2.00	0.00	1.00	0.00	7.53	6.99	2.00	0.00	1.00	0.00
7.54	6.98	2.00	0.00	1.00	0.00	7.55	6.87	2.00	0.00	1.00	0.00
7.56	6.86	2.00	0.00	1.00	0.00	7.57	6.75	2.00	0.00	1.00	0.00
7.58	6.75	2.00	0.00	1.00	0.00	7.59	6.74	2.00	0.00	1.00	0.00
7.60	6.74	2.00	0.00	1.00	0.00	7.61	6.74	2.00	0.00	1.00	0.00
7.62	6.74	2.00	0.00	1.00	0.00	7.63	6.62	2.00	0.00	1.00	0.00
7.64	6.62	2.00	0.00	1.00	0.00	7.65	6.62	2.00	0.00	1.00	0.00
7.66	6.61	2.00	0.00	1.00	0.00	7.67	6.61	2.00	0.00	1.00	0.00
7.68	6.61	2.00	0.00	1.00	0.00	7.69	6.72	2.00	0.00	1.00	0.00
7.70	6.71	2.00	0.00	1.00	0.00	7.71	6.71	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	6.71	2.00	0.00	1.00	0.00	7.73	6.71	2.00	0.00	1.00	0.00
7.74	6.70	2.00	0.00	1.00	0.00	7.75	6.81	2.00	0.00	1.00	0.00
7.76	6.92	2.00	0.00	1.00	0.00	7.77	7.03	2.00	0.00	1.00	0.00
7.78	7.58	2.00	0.00	1.00	0.00	7.79	64.18	0.24	4.93	1.00	0.05
7.80	73.21	0.26	4.36	1.00	0.04	7.81	74.88	0.27	4.27	1.00	0.04
7.82	76.03	0.27	4.21	1.00	0.04	7.83	74.86	0.27	4.27	1.00	0.04
7.84	75.01	0.27	4.26	1.00	0.04	7.85	74.58	0.27	4.29	1.00	0.04
7.86	73.86	0.26	4.33	1.00	0.04	7.87	73.25	0.26	4.36	1.00	0.04
7.88	70.97	0.26	4.49	1.00	0.04	7.89	70.23	0.25	4.54	1.00	0.05
7.90	70.71	0.26	4.51	1.00	0.05	7.91	15.67	2.00	0.00	1.00	0.00
7.92	13.03	2.00	0.00	1.00	0.00	7.93	11.82	2.00	0.00	1.00	0.00
7.94	11.27	2.00	0.00	1.00	0.00	7.95	14.87	2.00	0.00	1.00	0.00
7.96	72.80	0.26	4.38	1.00	0.04	7.97	74.31	0.26	4.30	1.00	0.04
7.98	73.12	0.26	4.37	1.00	0.04	7.99	14.63	2.00	0.00	1.00	0.00
8.00	13.31	2.00	0.00	1.00	0.00	8.01	10.24	2.00	0.00	1.00	0.00
8.02	8.92	2.00	0.00	1.00	0.00	8.03	7.71	2.00	0.00	1.00	0.00
8.04	7.49	2.00	0.00	1.00	0.00	8.05	7.38	2.00	0.00	1.00	0.00
8.06	7.37	2.00	0.00	1.00	0.00	8.07	7.59	2.00	0.00	1.00	0.00
8.08	7.48	2.00	0.00	1.00	0.00	8.09	7.36	2.00	0.00	1.00	0.00
8.10	7.25	2.00	0.00	1.00	0.00	8.11	7.03	2.00	0.00	1.00	0.00
8.12	6.92	2.00	0.00	1.00	0.00	8.13	6.92	2.00	0.00	1.00	0.00
8.14	6.91	2.00	0.00	1.00	0.00	8.15	6.91	2.00	0.00	1.00	0.00
8.16	6.80	2.00	0.00	1.00	0.00	8.17	6.69	2.00	0.00	1.00	0.00
8.18	6.68	2.00	0.00	1.00	0.00	8.19	6.79	2.00	0.00	1.00	0.00
8.20	6.79	2.00	0.00	1.00	0.00	8.21	6.78	2.00	0.00	1.00	0.00
8.22	6.78	2.00	0.00	1.00	0.00	8.23	6.78	2.00	0.00	1.00	0.00
8.24	6.88	2.00	0.00	1.00	0.00	8.25	6.88	2.00	0.00	1.00	0.00
8.26	6.99	2.00	0.00	1.00	0.00	8.27	7.09	2.00	0.00	1.00	0.00
8.28	7.64	2.00	0.00	1.00	0.00	8.29	67.90	0.25	4.68	1.00	0.05
8.30	74.31	0.26	4.30	1.00	0.04	8.31	72.61	0.26	4.40	1.00	0.04
8.32	73.28	0.26	4.36	1.00	0.04	8.33	59.29	0.23	5.29	1.00	0.05
8.34	58.00	0.23	5.39	1.00	0.05	8.35	58.39	0.23	5.36	1.00	0.05
8.36	59.32	0.23	5.29	1.00	0.05	8.37	62.59	0.24	5.04	1.00	0.05
8.38	65.28	0.24	4.85	1.00	0.05	8.39	66.43	0.25	4.77	1.00	0.05
8.40	69.36	0.25	4.59	1.00	0.05	8.41	71.49	0.26	4.46	1.00	0.04
8.42	73.78	0.26	4.33	1.00	0.04	8.43	75.26	0.27	4.25	1.00	0.04
8.44	76.16	0.27	4.20	1.00	0.04	8.45	74.30	0.26	4.30	1.00	0.04
8.46	75.10	0.27	4.26	1.00	0.04	8.47	72.54	0.26	4.40	1.00	0.04
8.48	74.20	0.26	4.31	1.00	0.04	8.49	81.22	0.28	3.95	1.00	0.04
8.50	85.81	0.29	3.74	1.00	0.04	8.51	91.06	0.31	3.53	1.00	0.04
8.52	94.00	0.32	3.42	1.00	0.03	8.53	97.23	0.33	3.31	1.00	0.03
8.54	94.41	0.32	3.41	1.00	0.03	8.55	95.33	0.33	3.37	1.00	0.03
8.56	93.82	0.32	3.43	1.00	0.03	8.57	95.99	0.33	3.35	1.00	0.03
8.58	96.01	0.33	3.35	1.00	0.03	8.59	97.73	0.34	3.29	1.00	0.03
8.60	89.20	0.30	3.60	1.00	0.04	8.61	88.13	0.30	3.65	1.00	0.04
8.62	85.74	0.29	3.75	1.00	0.04	8.63	24.78	2.00	0.00	1.00	0.00
8.64	20.97	2.00	0.00	1.00	0.00	8.65	19.80	2.00	0.00	1.00	0.00
8.66	19.36	2.00	0.00	1.00	0.00	8.67	18.93	2.00	0.00	1.00	0.00



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	18.92	2.00	0.00	1.00	0.00	8.69	18.38	2.00	0.00	1.00	0.00
8.70	18.16	2.00	0.00	1.00	0.00	8.71	17.94	2.00	0.00	1.00	0.00
8.72	18.14	2.00	0.00	1.00	0.00	8.73	17.61	2.00	0.00	1.00	0.00
8.74	17.39	2.00	0.00	1.00	0.00	8.75	16.96	2.00	0.00	1.00	0.00
8.76	17.27	2.00	0.00	1.00	0.00	8.77	16.74	2.00	0.00	1.00	0.00
8.78	16.20	2.00	0.00	1.00	0.00	8.79	16.19	2.00	0.00	1.00	0.00
8.80	15.98	2.00	0.00	1.00	0.00	8.81	15.76	2.00	0.00	1.00	0.00
8.82	15.44	2.00	0.00	1.00	0.00	8.83	15.11	2.00	0.00	1.00	0.00
8.84	14.79	2.00	0.00	1.00	0.00	8.85	14.68	2.00	0.00	1.00	0.00
8.86	14.25	2.00	0.00	1.00	0.00	8.87	13.82	2.00	0.00	1.00	0.00
8.88	13.61	2.00	0.00	1.00	0.00	8.89	13.50	2.00	0.00	1.00	0.00
8.90	13.49	2.00	0.00	1.00	0.00	8.91	13.48	2.00	0.00	1.00	0.00
8.92	13.48	2.00	0.00	1.00	0.00	8.93	13.57	2.00	0.00	1.00	0.00
8.94	13.36	2.00	0.00	1.00	0.00	8.95	13.35	2.00	0.00	1.00	0.00
8.96	13.45	2.00	0.00	1.00	0.00	8.97	13.34	2.00	0.00	1.00	0.00
8.98	13.44	2.00	0.00	1.00	0.00	8.99	13.54	2.00	0.00	1.00	0.00
9.00	13.53	2.00	0.00	1.00	0.00	9.01	14.05	2.00	0.00	1.00	0.00
9.02	14.25	2.00	0.00	1.00	0.00	9.03	14.35	2.00	0.00	1.00	0.00
9.04	14.55	2.00	0.00	1.00	0.00	9.05	14.86	2.00	0.00	1.00	0.00
9.06	14.95	2.00	0.00	1.00	0.00	9.07	15.26	2.00	0.00	1.00	0.00
9.08	15.67	2.00	0.00	1.00	0.00	9.09	16.08	2.00	0.00	1.00	0.00
9.10	16.17	2.00	0.00	1.00	0.00	9.11	16.16	2.00	0.00	1.00	0.00
9.12	16.67	2.00	0.00	1.00	0.00	9.13	16.67	2.00	0.00	1.00	0.00
9.14	16.66	2.00	0.00	1.00	0.00	9.15	16.75	2.00	0.00	1.00	0.00
9.16	16.85	2.00	0.00	1.00	0.00	9.17	16.94	2.00	0.00	1.00	0.00
9.18	16.94	2.00	0.00	1.00	0.00	9.19	16.82	2.00	0.00	1.00	0.00
9.20	16.71	2.00	0.00	1.00	0.00	9.21	16.81	2.00	0.00	1.00	0.00
9.22	16.80	2.00	0.00	1.00	0.00	9.23	16.48	2.00	0.00	1.00	0.00
9.24	16.47	2.00	0.00	1.00	0.00	9.25	16.46	2.00	0.00	1.00	0.00
9.26	16.35	2.00	0.00	1.00	0.00	9.27	16.04	2.00	0.00	1.00	0.00
9.28	15.82	2.00	0.00	1.00	0.00	9.29	15.61	2.00	0.00	1.00	0.00
9.30	15.40	2.00	0.00	1.00	0.00	9.31	15.08	2.00	0.00	1.00	0.00
9.32	15.17	2.00	0.00	1.00	0.00	9.33	15.27	2.00	0.00	1.00	0.00
9.34	15.47	2.00	0.00	1.00	0.00	9.35	15.67	2.00	0.00	1.00	0.00
9.36	15.66	2.00	0.00	1.00	0.00	9.37	15.96	2.00	0.00	1.00	0.00
9.38	16.16	2.00	0.00	1.00	0.00	9.39	16.05	2.00	0.00	1.00	0.00
9.40	16.04	2.00	0.00	1.00	0.00	9.41	16.34	2.00	0.00	1.00	0.00
9.42	16.53	2.00	0.00	1.00	0.00	9.43	16.53	2.00	0.00	1.00	0.00
9.44	16.42	2.00	0.00	1.00	0.00	9.45	16.31	2.00	0.00	1.00	0.00
9.46	16.30	2.00	0.00	1.00	0.00	9.47	16.29	2.00	0.00	1.00	0.00
9.48	16.08	2.00	0.00	1.00	0.00	9.49	16.07	2.00	0.00	1.00	0.00
9.50	16.17	2.00	0.00	1.00	0.00	9.51	16.16	2.00	0.00	1.00	0.00
9.52	16.05	2.00	0.00	1.00	0.00	9.53	15.84	2.00	0.00	1.00	0.00
9.54	15.73	2.00	0.00	1.00	0.00	9.55	15.62	2.00	0.00	1.00	0.00
9.56	15.71	2.00	0.00	1.00	0.00	9.57	15.91	2.00	0.00	1.00	0.00
9.58	16.21	2.00	0.00	1.00	0.00	9.59	16.61	2.00	0.00	1.00	0.00
9.60	16.90	2.00	0.00	1.00	0.00	9.61	16.90	2.00	0.00	1.00	0.00
9.62	17.09	2.00	0.00	1.00	0.00	9.63	17.18	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	17.18	2.00	0.00	1.00	0.00	9.65	17.07	2.00	0.00	1.00	0.00
9.66	17.06	2.00	0.00	1.00	0.00	9.67	16.95	2.00	0.00	1.00	0.00
9.68	17.04	2.00	0.00	1.00	0.00	9.69	17.04	2.00	0.00	1.00	0.00
9.70	17.13	2.00	0.00	1.00	0.00	9.71	16.92	2.00	0.00	1.00	0.00
9.72	16.91	2.00	0.00	1.00	0.00	9.73	16.90	2.00	0.00	1.00	0.00
9.74	16.99	2.00	0.00	1.00	0.00	9.75	17.69	2.00	0.00	1.00	0.00
9.76	17.79	2.00	0.00	1.00	0.00	9.77	17.78	2.00	0.00	1.00	0.00
9.78	17.67	2.00	0.00	1.00	0.00	9.79	17.76	2.00	0.00	1.00	0.00
9.80	17.55	2.00	0.00	1.00	0.00	9.81	17.44	2.00	0.00	1.00	0.00
9.82	17.43	2.00	0.00	1.00	0.00	9.83	17.62	2.00	0.00	1.00	0.00
9.84	17.72	2.00	0.00	1.00	0.00	9.85	17.71	2.00	0.00	1.00	0.00
9.86	17.70	2.00	0.00	1.00	0.00	9.87	17.39	2.00	0.00	1.00	0.00
9.88	16.98	2.00	0.00	1.00	0.00	9.89	16.87	2.00	0.00	1.00	0.00
9.90	16.86	2.00	0.00	1.00	0.00	9.91	16.86	2.00	0.00	1.00	0.00
9.92	16.85	2.00	0.00	1.00	0.00	9.93	16.94	2.00	0.00	1.00	0.00
9.94	17.03	2.00	0.00	1.00	0.00	9.95	17.02	2.00	0.00	1.00	0.00
9.96	16.82	2.00	0.00	1.00	0.00	9.97	16.71	2.00	0.00	1.00	0.00
9.98	16.60	2.00	0.00	1.00	0.00	9.99	16.49	2.00	0.00	1.00	0.00
10.00	16.48	2.00	0.00	1.00	0.00	10.01	16.28	2.00	0.00	1.00	0.00
10.02	16.17	2.00	0.00	1.00	0.00	10.03	16.16	2.00	0.00	1.00	0.00
10.04	16.25	2.00	0.00	1.00	0.00	10.05	16.35	2.00	0.00	1.00	0.00
10.06	16.24	2.00	0.00	1.00	0.00	10.07	16.23	2.00	0.00	1.00	0.00
10.08	16.42	2.00	0.00	1.00	0.00	10.09	16.51	2.00	0.00	1.00	0.00
10.10	16.71	2.00	0.00	1.00	0.00	10.11	16.90	2.00	0.00	1.00	0.00
10.12	16.79	2.00	0.00	1.00	0.00	10.13	16.78	2.00	0.00	1.00	0.00
10.14	16.87	2.00	0.00	1.00	0.00	10.15	16.96	2.00	0.00	1.00	0.00
10.16	17.06	2.00	0.00	1.00	0.00	10.17	17.05	2.00	0.00	1.00	0.00
10.18	17.04	2.00	0.00	1.00	0.00	10.19	17.03	2.00	0.00	1.00	0.00
10.20	17.22	2.00	0.00	1.00	0.00	10.21	17.21	2.00	0.00	1.00	0.00
10.22	17.31	2.00	0.00	1.00	0.00	10.23	17.40	2.00	0.00	1.00	0.00
10.24	17.39	2.00	0.00	1.00	0.00	10.25	17.38	2.00	0.00	1.00	0.00
10.26	17.47	2.00	0.00	1.00	0.00	10.27	17.46	2.00	0.00	1.00	0.00
10.28	17.45	2.00	0.00	1.00	0.00	10.29	17.55	2.00	0.00	1.00	0.00
10.30	17.64	2.00	0.00	1.00	0.00	10.31	17.63	2.00	0.00	1.00	0.00
10.32	17.62	2.00	0.00	1.00	0.00	10.33	17.81	2.00	0.00	1.00	0.00
10.34	17.80	2.00	0.00	1.00	0.00	10.35	17.89	2.00	0.00	1.00	0.00
10.36	17.88	2.00	0.00	1.00	0.00	10.37	17.87	2.00	0.00	1.00	0.00
10.38	17.96	2.00	0.00	1.00	0.00	10.39	17.86	2.00	0.00	1.00	0.00
10.40	17.65	2.00	0.00	1.00	0.00	10.41	17.55	2.00	0.00	1.00	0.00
10.42	17.54	2.00	0.00	1.00	0.00	10.43	17.53	2.00	0.00	1.00	0.00
10.44	17.43	2.00	0.00	1.00	0.00	10.45	17.42	2.00	0.00	1.00	0.00
10.46	17.51	2.00	0.00	1.00	0.00	10.47	17.50	2.00	0.00	1.00	0.00
10.48	17.49	2.00	0.00	1.00	0.00	10.49	18.07	2.00	0.00	1.00	0.00
10.50	18.55	2.00	0.00	1.00	0.00	10.51	19.03	2.00	0.00	1.00	0.00
10.52	19.61	2.00	0.00	1.00	0.00	10.53	19.70	2.00	0.00	1.00	0.00
10.54	19.49	2.00	0.00	1.00	0.00	10.55	19.58	2.00	0.00	1.00	0.00
10.56	19.67	2.00	0.00	1.00	0.00	10.57	19.76	2.00	0.00	1.00	0.00
10.58	19.75	2.00	0.00	1.00	0.00	10.59	19.64	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	19.54	2.00	0.00	1.00	0.00	10.61	19.53	2.00	0.00	1.00	0.00
10.62	19.62	2.00	0.00	1.00	0.00	10.63	19.80	2.00	0.00	1.00	0.00
10.64	19.89	2.00	0.00	1.00	0.00	10.65	20.08	2.00	0.00	1.00	0.00
10.66	20.46	2.00	0.00	1.00	0.00	10.67	20.45	2.00	0.00	1.00	0.00
10.68	20.44	2.00	0.00	1.00	0.00	10.69	20.91	2.00	0.00	1.00	0.00
10.70	21.00	2.00	0.00	1.00	0.00	10.71	21.09	2.00	0.00	1.00	0.00
10.72	21.37	2.00	0.00	1.00	0.00	10.73	21.36	2.00	0.00	1.00	0.00
10.74	21.25	2.00	0.00	1.00	0.00	10.75	20.95	2.00	0.00	1.00	0.00
10.76	20.75	2.00	0.00	1.00	0.00	10.77	20.74	2.00	0.00	1.00	0.00
10.78	21.41	2.00	0.00	1.00	0.00	10.79	21.69	2.00	0.00	1.00	0.00
10.80	22.16	2.00	0.00	1.00	0.00	10.81	22.35	2.00	0.00	1.00	0.00
10.82	22.72	2.00	0.00	1.00	0.00	10.83	23.20	2.00	0.00	1.00	0.00
10.84	23.28	2.00	0.00	1.00	0.00	10.85	23.66	2.00	0.00	1.00	0.00
10.86	24.32	2.00	0.00	1.00	0.00	10.87	24.41	2.00	0.00	1.00	0.00
10.88	24.59	2.00	0.00	1.00	0.00	10.89	25.16	2.00	0.00	1.00	0.00
10.90	25.14	2.00	0.00	1.00	0.00	10.91	25.13	2.00	0.00	1.00	0.00
10.92	25.70	2.00	0.00	1.00	0.00	10.93	25.98	2.00	0.00	1.00	0.00
10.94	26.06	2.00	0.00	1.00	0.00	10.95	25.95	2.00	0.00	1.00	0.00
10.96	25.85	2.00	0.00	1.00	0.00	10.97	25.93	2.00	0.00	1.00	0.00
10.98	25.73	2.00	0.00	1.00	0.00	10.99	25.62	2.00	0.00	1.00	0.00
11.00	25.51	2.00	0.00	1.00	0.00	11.01	25.31	2.00	0.00	1.00	0.00
11.02	25.30	2.00	0.00	1.00	0.00	11.03	25.19	2.00	0.00	1.00	0.00
11.04	24.99	2.00	0.00	1.00	0.00	11.05	25.07	2.00	0.00	1.00	0.00
11.06	25.06	2.00	0.00	1.00	0.00	11.07	25.05	2.00	0.00	1.00	0.00
11.08	25.04	2.00	0.00	1.00	0.00	11.09	25.22	2.00	0.00	1.00	0.00
11.10	24.92	2.00	0.00	1.00	0.00	11.11	24.81	2.00	0.00	1.00	0.00
11.12	24.99	2.00	0.00	1.00	0.00	11.13	24.98	2.00	0.00	1.00	0.00
11.14	24.97	2.00	0.00	1.00	0.00	11.15	25.43	2.00	0.00	1.00	0.00
11.16	25.23	2.00	0.00	1.00	0.00	11.17	25.13	2.00	0.00	1.00	0.00
11.18	25.11	2.00	0.00	1.00	0.00	11.19	25.29	2.00	0.00	1.00	0.00
11.20	25.19	2.00	0.00	1.00	0.00	11.21	25.08	2.00	0.00	1.00	0.00
11.22	25.07	2.00	0.00	1.00	0.00	11.23	24.77	2.00	0.00	1.00	0.00
11.24	24.67	2.00	0.00	1.00	0.00	11.25	24.66	2.00	0.00	1.00	0.00
11.26	24.65	2.00	0.00	1.00	0.00	11.27	24.26	2.00	0.00	1.00	0.00
11.28	24.06	2.00	0.00	1.00	0.00	11.29	23.85	2.00	0.00	1.00	0.00
11.30	23.75	2.00	0.00	1.00	0.00	11.31	23.74	2.00	0.00	1.00	0.00
11.32	23.92	2.00	0.00	1.00	0.00	11.33	23.72	2.00	0.00	1.00	0.00
11.34	23.42	2.00	0.00	1.00	0.00	11.35	23.13	2.00	0.00	1.00	0.00
11.36	23.02	2.00	0.00	1.00	0.00	11.37	22.82	2.00	0.00	1.00	0.00
11.38	22.81	2.00	0.00	1.00	0.00	11.39	22.80	2.00	0.00	1.00	0.00
11.40	23.08	2.00	0.00	1.00	0.00	11.41	23.25	2.00	0.00	1.00	0.00
11.42	23.24	2.00	0.00	1.00	0.00	11.43	23.33	2.00	0.00	1.00	0.00
11.44	23.32	2.00	0.00	1.00	0.00	11.45	23.31	2.00	0.00	1.00	0.00
11.46	23.20	2.00	0.00	1.00	0.00	11.47	23.29	2.00	0.00	1.00	0.00
11.48	23.28	2.00	0.00	1.00	0.00	11.49	23.17	2.00	0.00	1.00	0.00
11.50	23.26	2.00	0.00	1.00	0.00	11.51	23.34	2.00	0.00	1.00	0.00
11.52	23.52	2.00	0.00	1.00	0.00	11.53	23.51	2.00	0.00	1.00	0.00
11.54	23.59	2.00	0.00	1.00	0.00	11.55	23.77	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	24.04	2.00	0.00	1.00	0.00	11.57	24.12	2.00	0.00	1.00	0.00
11.58	24.11	2.00	0.00	1.00	0.00	11.59	24.38	2.00	0.00	1.00	0.00
11.60	24.75	2.00	0.00	1.00	0.00	11.61	25.21	2.00	0.00	1.00	0.00
11.62	25.20	2.00	0.00	1.00	0.00	11.63	25.09	2.00	0.00	1.00	0.00
11.64	24.89	2.00	0.00	1.00	0.00	11.65	24.51	2.00	0.00	1.00	0.00
11.66	24.31	2.00	0.00	1.00	0.00	11.67	24.12	2.00	0.00	1.00	0.00
11.68	23.83	2.00	0.00	1.00	0.00	11.69	23.91	2.00	0.00	1.00	0.00
11.70	23.62	2.00	0.00	1.00	0.00	11.71	23.52	2.00	0.00	1.00	0.00
11.72	23.50	2.00	0.00	1.00	0.00	11.73	23.68	2.00	0.00	1.00	0.00
11.74	23.86	2.00	0.00	1.00	0.00	11.75	23.75	2.00	0.00	1.00	0.00
11.76	23.84	2.00	0.00	1.00	0.00	11.77	24.01	2.00	0.00	1.00	0.00
11.78	24.00	2.00	0.00	1.00	0.00	11.79	24.83	2.00	0.00	1.00	0.00
11.80	25.47	2.00	0.00	1.00	0.00	11.81	26.30	2.00	0.00	1.00	0.00
11.82	26.84	2.00	0.00	1.00	0.00	11.83	27.48	2.00	0.00	1.00	0.00
11.84	28.59	2.00	0.00	1.00	0.00	11.85	29.13	2.00	0.00	1.00	0.00
11.86	30.15	2.00	0.00	1.00	0.00	11.87	30.23	2.00	0.00	1.00	0.00
11.88	30.50	2.00	0.00	1.00	0.00	11.89	30.95	2.00	0.00	1.00	0.00
11.90	30.94	2.00	0.00	1.00	0.00	11.91	30.92	2.00	0.00	1.00	0.00
11.92	33.89	2.00	0.00	1.00	0.00	11.93	34.53	2.00	0.00	1.00	0.00
11.94	35.72	2.00	0.00	1.00	0.00	11.95	36.27	2.00	0.00	1.00	0.00
11.96	37.47	2.00	0.00	1.00	0.00	11.97	38.20	2.00	0.00	1.00	0.00
11.98	39.12	2.00	0.00	1.00	0.00	11.99	40.60	2.00	0.00	1.00	0.00
12.00	41.33	2.00	0.00	1.00	0.00	12.01	42.62	2.00	0.00	1.00	0.00
12.02	42.98	2.00	0.00	1.00	0.00	12.03	43.15	2.00	0.00	1.00	0.00
12.04	43.42	2.00	0.00	1.00	0.00	12.05	43.49	2.00	0.00	1.00	0.00
12.06	44.50	2.00	0.00	1.00	0.00	12.07	45.33	2.00	0.00	1.00	0.00
12.08	45.59	2.00	0.00	1.00	0.00	12.09	45.57	2.00	0.00	1.00	0.00
12.10	45.37	2.00	0.00	1.00	0.00	12.11	44.79	2.00	0.00	1.00	0.00
12.12	43.09	2.00	0.00	1.00	0.00	12.13	41.96	2.00	0.00	1.00	0.00
12.14	41.01	2.00	0.00	1.00	0.00	12.15	39.87	2.00	0.00	1.00	0.00
12.16	39.39	2.00	0.00	1.00	0.00	12.17	39.84	2.00	0.00	1.00	0.00
12.18	40.29	2.00	0.00	1.00	0.00	12.19	40.08	2.00	0.00	1.00	0.00
12.20	38.40	2.00	0.00	1.00	0.00	12.21	37.92	2.00	0.00	1.00	0.00
12.22	37.81	2.00	0.00	1.00	0.00	12.23	37.88	2.00	0.00	1.00	0.00
12.24	38.33	2.00	0.00	1.00	0.00	12.25	38.68	2.00	0.00	1.00	0.00
12.26	39.68	2.00	0.00	1.00	0.00	12.27	39.76	2.00	0.00	1.00	0.00
12.28	39.28	2.00	0.00	1.00	0.00	12.29	39.17	2.00	0.00	1.00	0.00
12.30	39.15	2.00	0.00	1.00	0.00	12.31	39.97	2.00	0.00	1.00	0.00
12.32	40.32	2.00	0.00	1.00	0.00	12.33	40.49	2.00	0.00	1.00	0.00
12.34	39.73	2.00	0.00	1.00	0.00	12.35	38.79	2.00	0.00	1.00	0.00
12.36	37.95	2.00	0.00	1.00	0.00	12.37	37.84	2.00	0.00	1.00	0.00
12.38	37.64	2.00	0.00	1.00	0.00	12.39	35.97	2.00	0.00	1.00	0.00
12.40	35.59	2.00	0.00	1.00	0.00	12.41	35.30	2.00	0.00	1.00	0.00
12.42	34.82	2.00	0.00	1.00	0.00	12.43	34.44	2.00	0.00	1.00	0.00
12.44	33.51	2.00	0.00	1.00	0.00	12.45	33.32	2.00	0.00	1.00	0.00
12.46	33.21	2.00	0.00	1.00	0.00	12.47	32.92	2.00	0.00	1.00	0.00
12.48	32.64	2.00	0.00	1.00	0.00	12.49	31.62	2.00	0.00	1.00	0.00
12.50	31.33	2.00	0.00	1.00	0.00	12.51	31.23	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
12.52	30.85	2.00	0.00	1.00	0.00	12.53	30.74	2.00	0.00	1.00	0.00
12.54	30.55	2.00	0.00	1.00	0.00	12.55	30.17	2.00	0.00	1.00	0.00
12.56	30.07	2.00	0.00	1.00	0.00	12.57	29.96	2.00	0.00	1.00	0.00
12.58	29.59	2.00	0.00	1.00	0.00	12.59	29.21	2.00	0.00	1.00	0.00
12.60	28.47	2.00	0.00	1.00	0.00						

**Total estimated settlement: 16.09**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

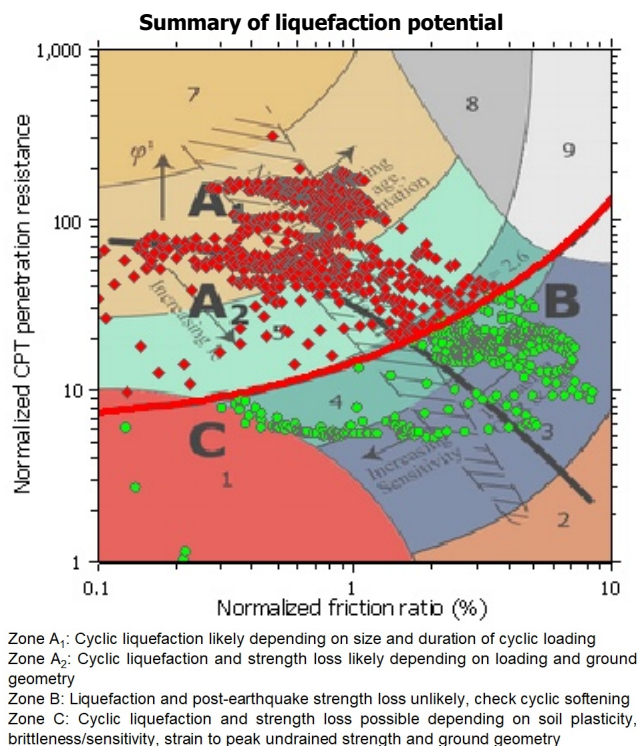
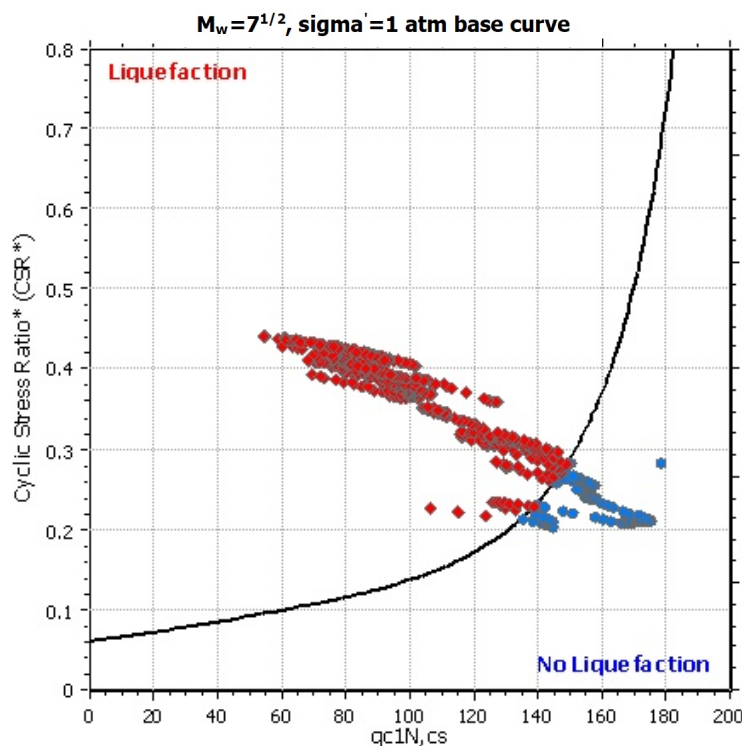
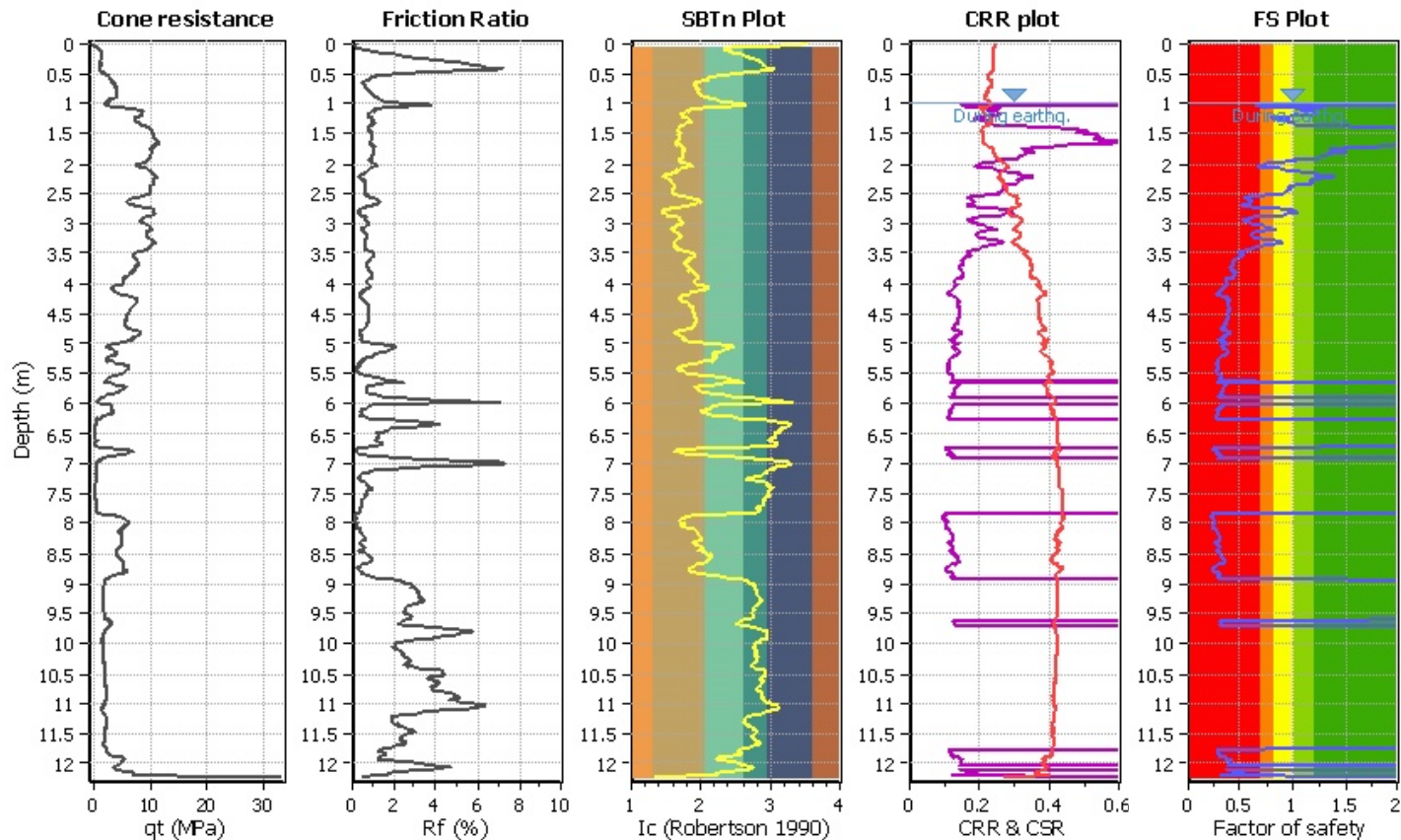
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

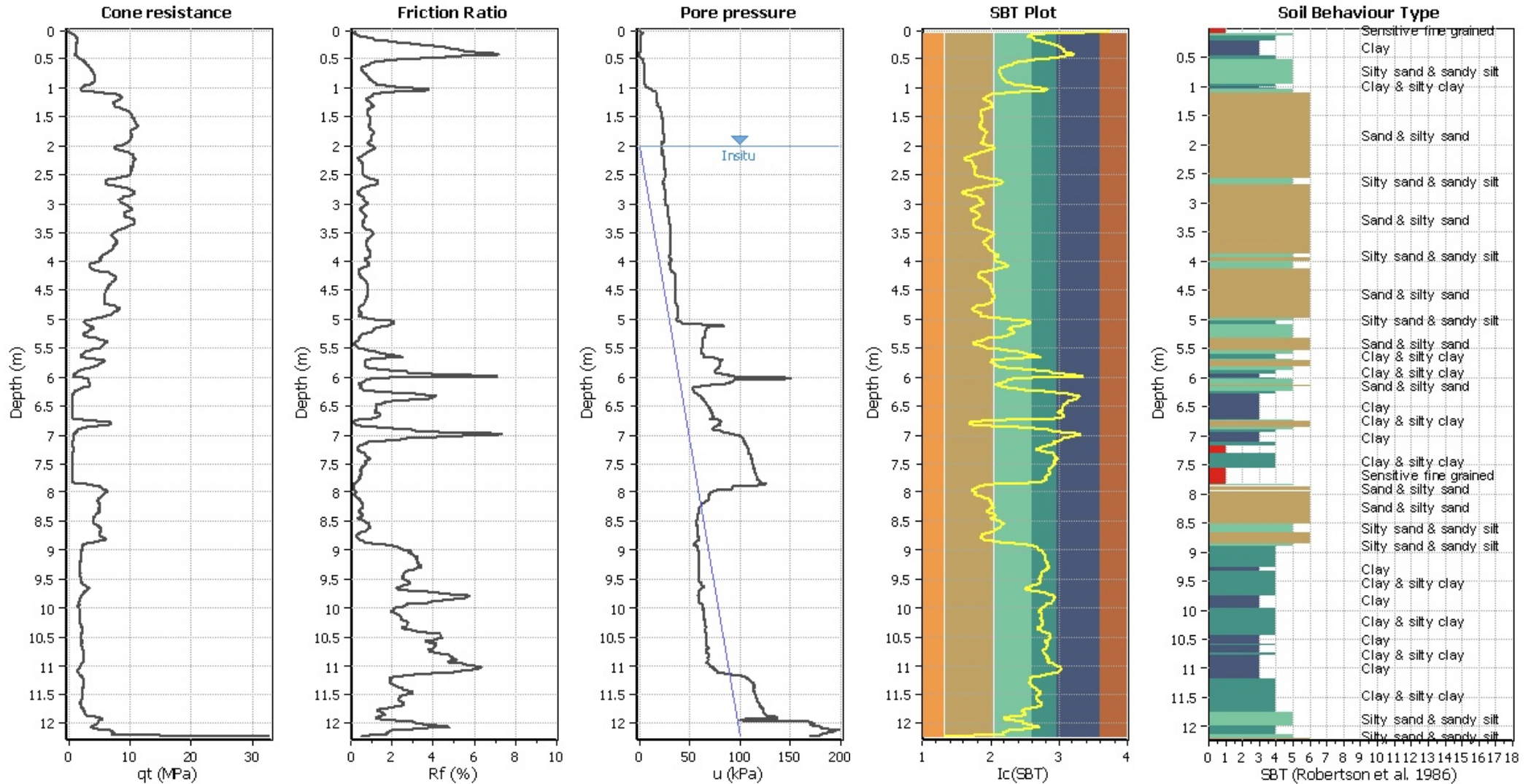
**CPT file : CPTU-09-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



### CPT basic interpretation plo



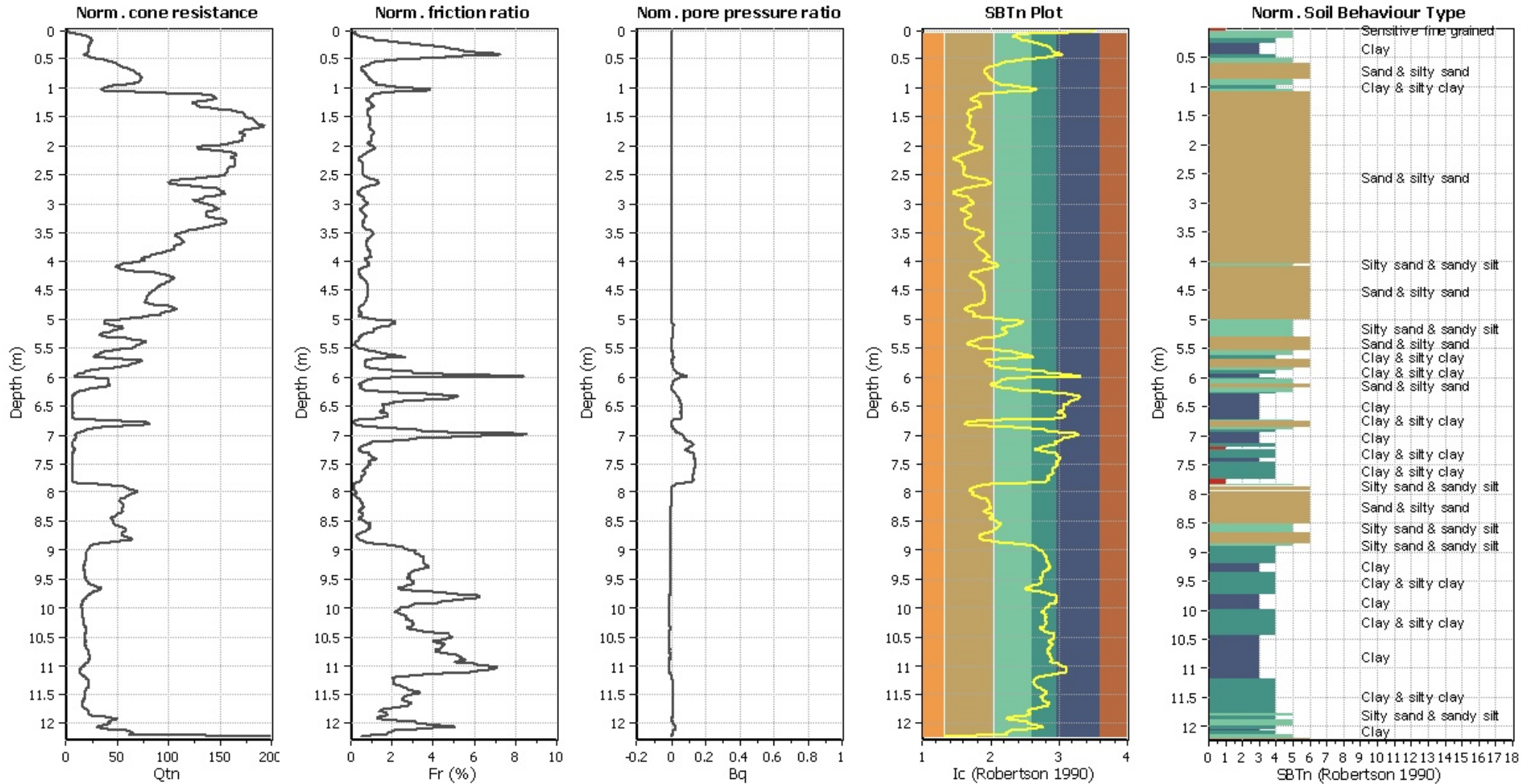
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



#### Input parameters and analysis data

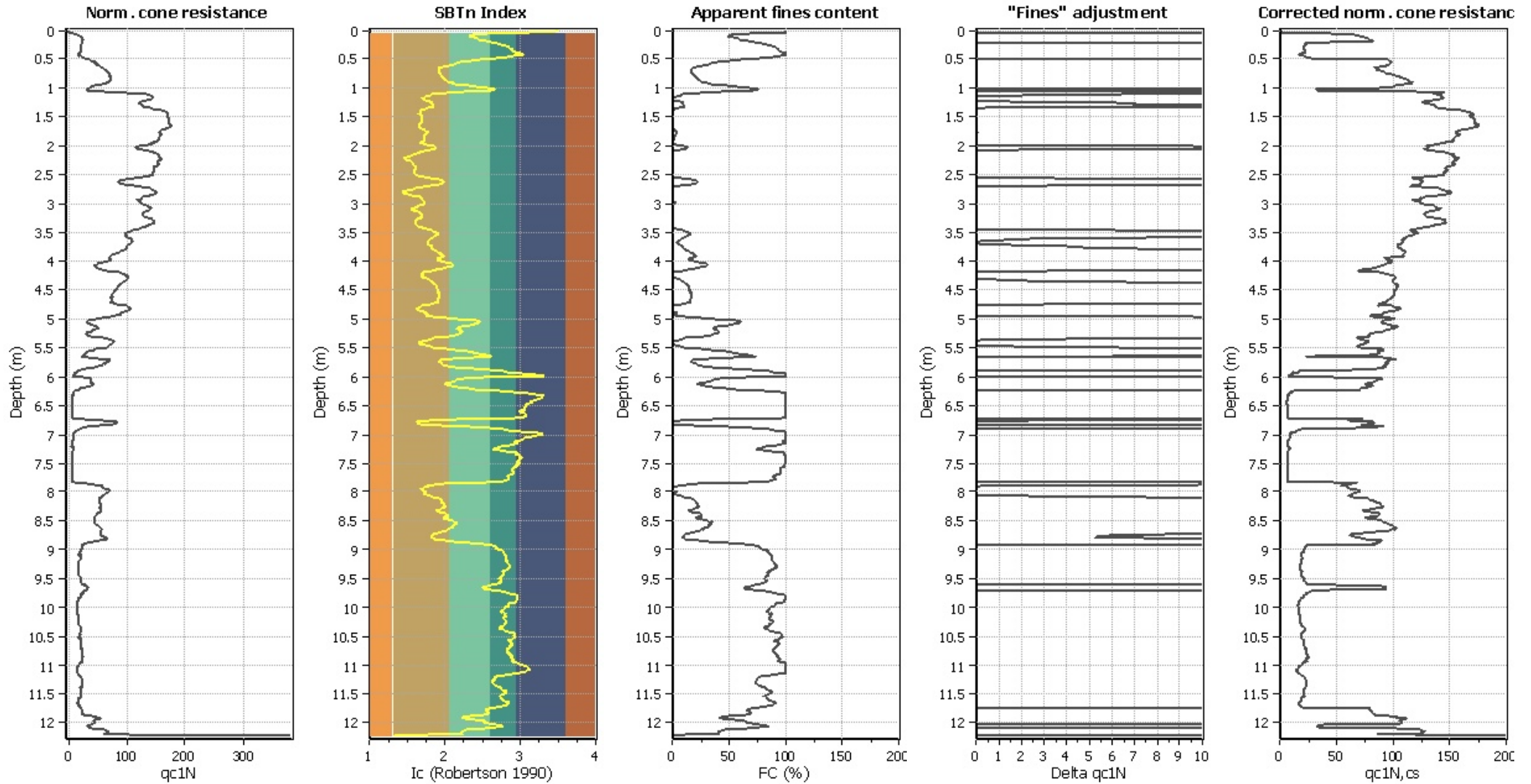
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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



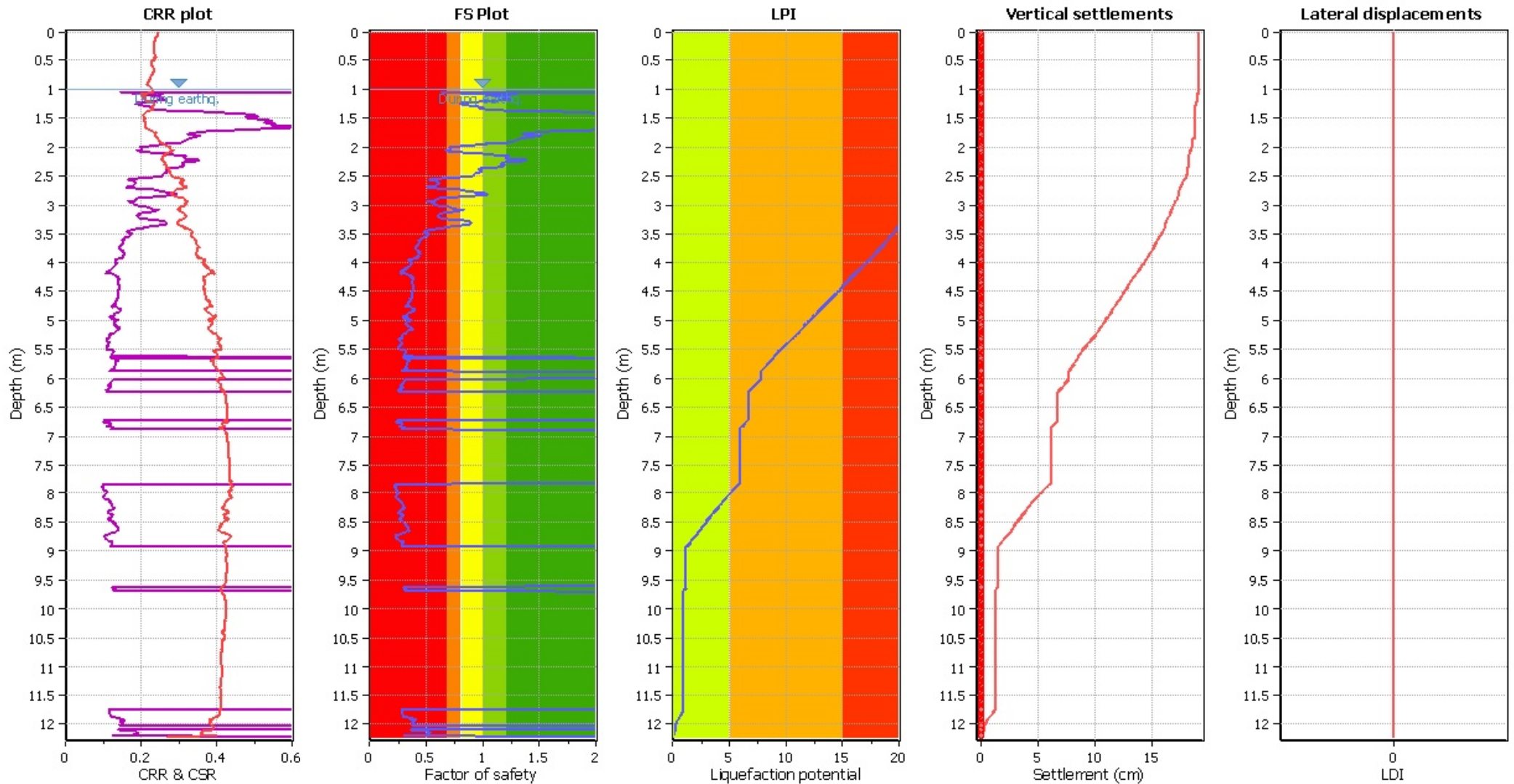
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

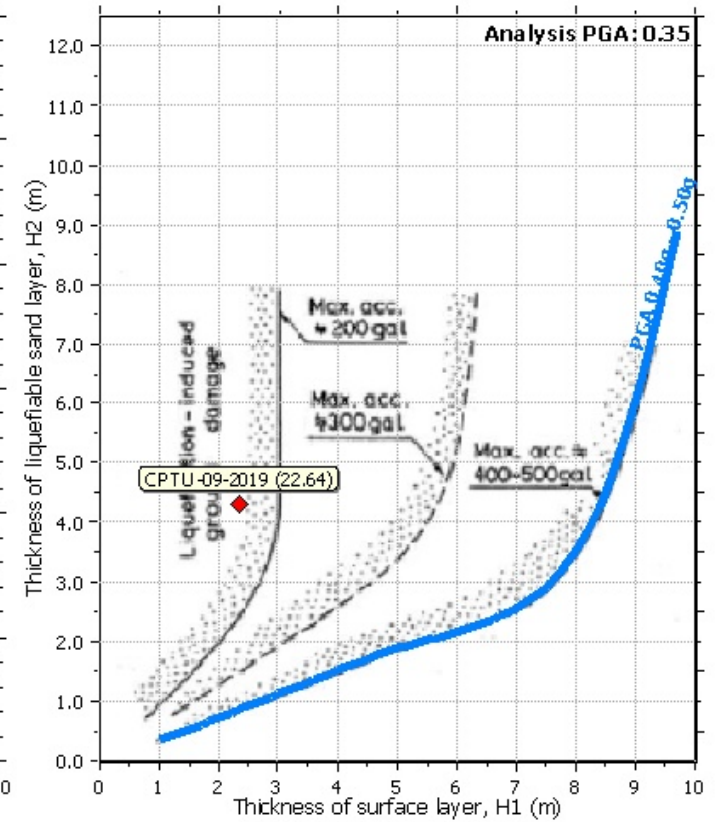
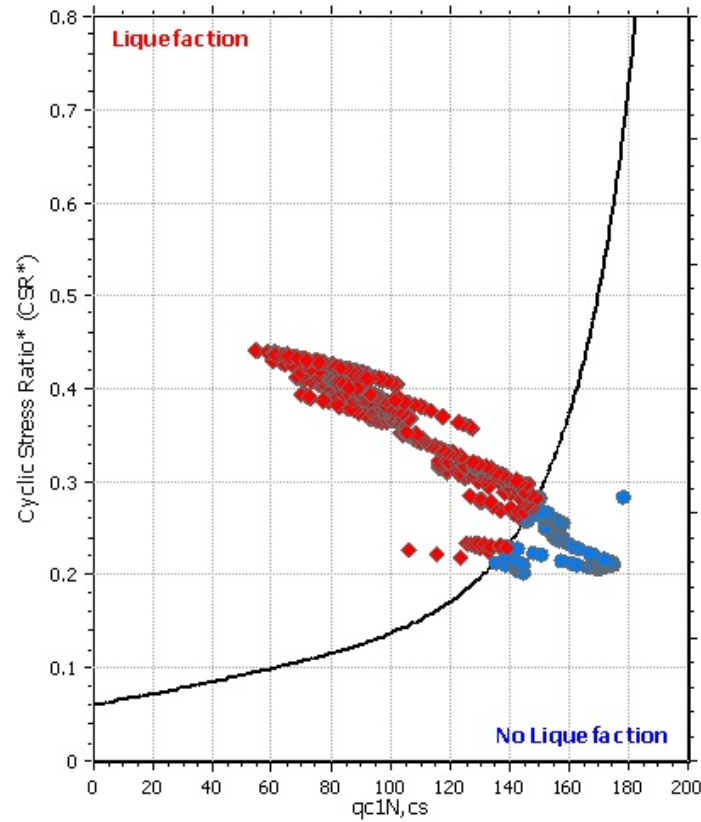
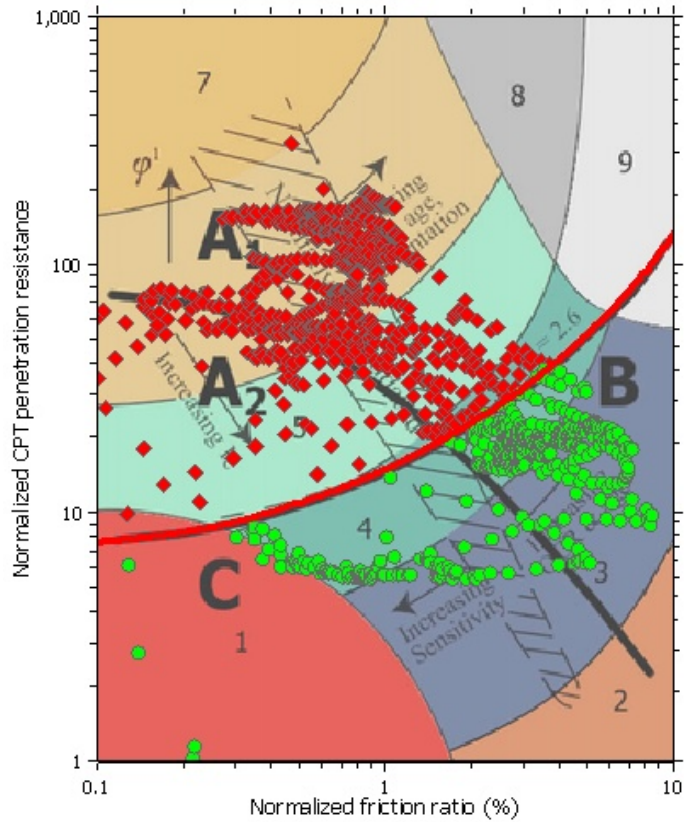
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

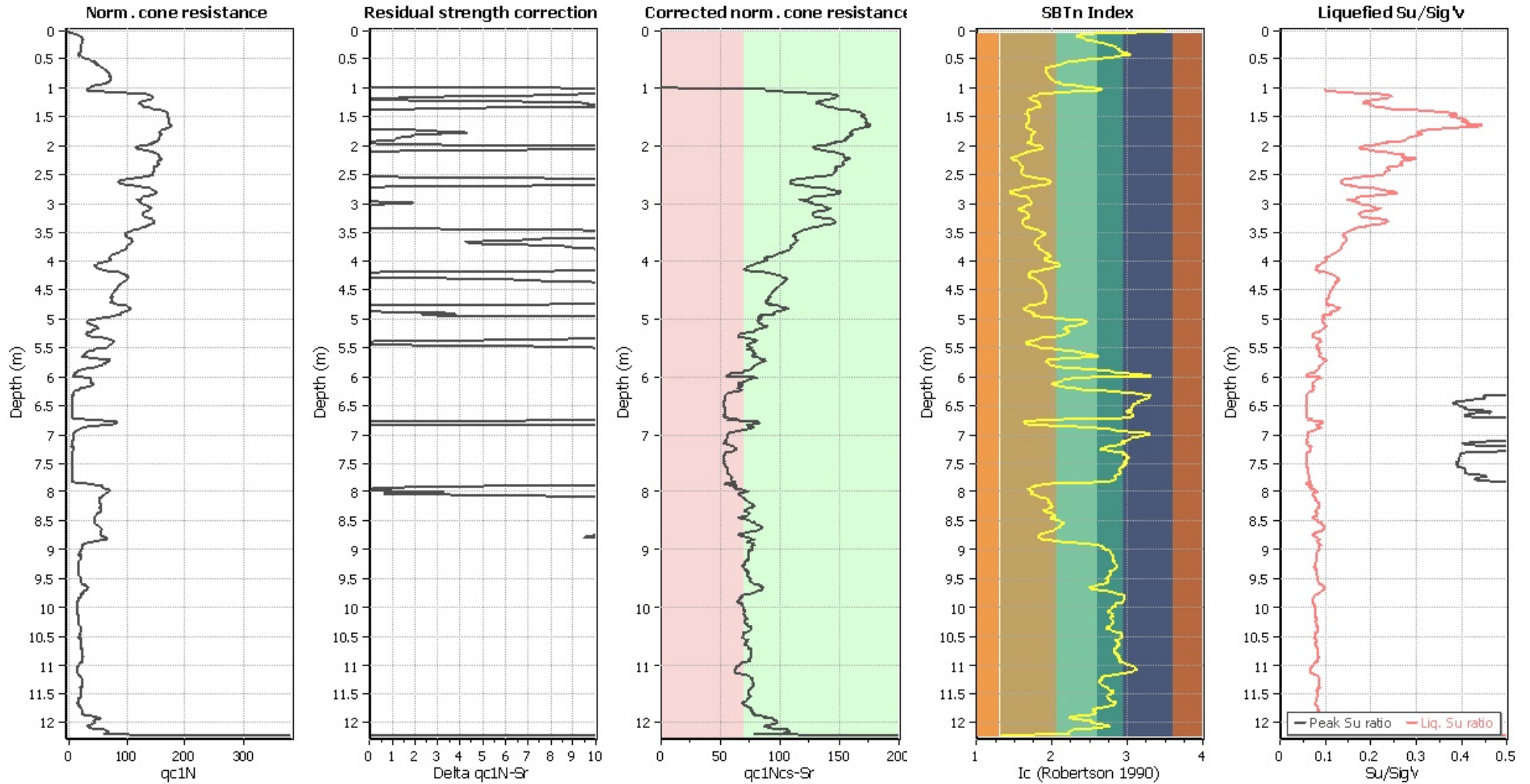
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	0.65	0.35	9.48	0.01	0.03
1.05	0.73	0.27	9.48	0.01	0.03	1.06	0.83	0.17	9.47	0.01	0.02
1.07	1.29	0.00	9.47	0.01	0.00	1.08	1.22	0.00	9.46	0.01	0.00
1.09	1.03	0.00	9.46	0.01	0.00	1.10	1.17	0.00	9.45	0.01	0.00
1.11	1.09	0.00	9.45	0.01	0.00	1.12	1.18	0.00	9.44	0.01	0.00
1.13	1.17	0.00	9.44	0.01	0.00	1.14	1.19	0.00	9.43	0.01	0.00
1.15	1.21	0.00	9.43	0.01	0.00	1.16	1.24	0.00	9.42	0.01	0.00
1.17	1.24	0.00	9.41	0.01	0.00	1.18	1.18	0.00	9.41	0.01	0.00
1.19	1.12	0.00	9.41	0.01	0.00	1.20	1.06	0.00	9.40	0.01	0.00
1.21	0.92	0.08	9.40	0.01	0.01	1.22	0.87	0.13	9.39	0.01	0.01
1.23	0.83	0.17	9.39	0.01	0.02	1.24	0.79	0.21	9.38	0.01	0.02
1.25	0.81	0.19	9.38	0.01	0.02	1.26	0.82	0.18	9.37	0.01	0.02
1.27	0.84	0.16	9.37	0.01	0.01	1.28	0.87	0.13	9.36	0.01	0.01
1.29	0.91	0.09	9.36	0.01	0.01	1.30	0.97	0.03	9.35	0.01	0.00
1.31	1.01	0.00	9.35	0.01	0.00	1.32	0.96	0.04	9.34	0.01	0.00
1.33	0.99	0.01	9.34	0.01	0.00	1.34	1.03	0.00	9.33	0.01	0.00
1.35	1.09	0.00	9.32	0.01	0.00	1.36	1.24	0.00	9.32	0.01	0.00
1.37	1.35	0.00	9.32	0.01	0.00	1.38	1.64	0.00	9.31	0.01	0.00
1.39	1.80	0.00	9.31	0.01	0.00	1.40	1.93	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	1.81	0.00	9.15	0.01	0.00	1.72	1.70	0.00	9.14	0.01	0.00
1.73	1.60	0.00	9.14	0.01	0.00	1.74	1.45	0.00	9.13	0.01	0.00
1.75	1.39	0.00	9.13	0.01	0.00	1.76	1.35	0.00	9.12	0.01	0.00
1.77	1.37	0.00	9.12	0.01	0.00	1.78	1.39	0.00	9.11	0.01	0.00
1.79	1.48	0.00	9.11	0.01	0.00	1.80	1.51	0.00	9.10	0.01	0.00
1.81	1.48	0.00	9.10	0.01	0.00	1.82	1.45	0.00	9.09	0.01	0.00
1.83	1.40	0.00	9.09	0.01	0.00	1.84	1.36	0.00	9.08	0.01	0.00
1.85	1.34	0.00	9.07	0.01	0.00	1.86	1.33	0.00	9.07	0.01	0.00
1.87	1.31	0.00	9.07	0.01	0.00	1.88	1.29	0.00	9.06	0.01	0.00
1.89	1.27	0.00	9.06	0.01	0.00	1.90	1.25	0.00	9.05	0.01	0.00
1.91	1.24	0.00	9.05	0.01	0.00	1.92	1.22	0.00	9.04	0.01	0.00

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.03	0.00	9.04	0.01	0.00	1.94	1.04	0.00	9.03	0.01	0.00
1.95	1.01	0.00	9.03	0.01	0.00	1.96	0.95	0.05	9.02	0.01	0.00
1.97	0.91	0.09	9.02	0.01	0.01	1.98	0.82	0.18	9.01	0.01	0.02
1.99	0.77	0.23	9.01	0.01	0.02	2.00	0.71	0.29	9.00	0.01	0.03
2.01	0.71	0.29	8.99	0.01	0.03	2.02	0.72	0.28	8.99	0.01	0.03
2.03	0.72	0.28	8.99	0.01	0.03	2.04	0.72	0.28	8.98	0.01	0.03
2.05	0.70	0.30	8.98	0.01	0.03	2.06	0.67	0.33	8.97	0.01	0.03
2.07	0.70	0.30	8.97	0.01	0.03	2.08	0.75	0.25	8.96	0.01	0.02
2.09	0.87	0.13	8.96	0.01	0.01	2.10	0.93	0.07	8.95	0.01	0.01
2.11	0.97	0.03	8.95	0.01	0.00	2.12	1.04	0.00	8.94	0.01	0.00
2.13	1.08	0.00	8.94	0.01	0.00	2.14	1.15	0.00	8.93	0.01	0.00
2.15	1.20	0.00	8.93	0.01	0.00	2.16	1.24	0.00	8.92	0.01	0.00
2.17	1.22	0.00	8.91	0.01	0.00	2.18	1.20	0.00	8.91	0.01	0.00
2.19	1.21	0.00	8.91	0.01	0.00	2.20	1.25	0.00	8.90	0.01	0.00
2.21	1.37	0.00	8.90	0.01	0.00	2.22	1.39	0.00	8.89	0.01	0.00
2.23	1.37	0.00	8.89	0.01	0.00	2.24	1.32	0.00	8.88	0.01	0.00
2.25	1.28	0.00	8.88	0.01	0.00	2.26	1.21	0.00	8.87	0.01	0.00
2.27	1.18	0.00	8.87	0.01	0.00	2.28	1.17	0.00	8.86	0.01	0.00
2.29	1.16	0.00	8.86	0.01	0.00	2.30	1.18	0.00	8.85	0.01	0.00
2.31	1.19	0.00	8.85	0.01	0.00	2.32	1.18	0.00	8.84	0.01	0.00
2.33	1.16	0.00	8.84	0.01	0.00	2.34	1.12	0.00	8.83	0.01	0.00
2.35	1.03	0.00	8.82	0.01	0.00	2.36	1.00	0.00	8.82	0.01	0.00
2.37	0.97	0.03	8.82	0.01	0.00	2.38	0.96	0.04	8.81	0.01	0.00
2.39	0.97	0.03	8.81	0.01	0.00	2.40	0.98	0.02	8.80	0.01	0.00
2.41	0.98	0.02	8.80	0.01	0.00	2.42	0.99	0.01	8.79	0.01	0.00
2.43	0.97	0.03	8.79	0.01	0.00	2.44	0.96	0.04	8.78	0.01	0.00
2.45	0.95	0.05	8.78	0.01	0.00	2.46	0.93	0.07	8.77	0.01	0.01
2.47	0.93	0.07	8.77	0.01	0.01	2.48	0.92	0.08	8.76	0.01	0.01
2.49	0.91	0.09	8.76	0.01	0.01	2.50	0.89	0.11	8.75	0.01	0.01
2.51	0.82	0.18	8.74	0.01	0.02	2.52	0.79	0.21	8.74	0.01	0.02
2.53	0.71	0.29	8.74	0.01	0.03	2.54	0.65	0.35	8.73	0.01	0.03
2.55	0.60	0.40	8.73	0.01	0.03	2.56	0.52	0.48	8.72	0.01	0.04
2.57	0.54	0.46	8.72	0.01	0.04	2.58	0.54	0.46	8.71	0.01	0.04
2.59	0.58	0.42	8.71	0.01	0.04	2.60	0.60	0.40	8.70	0.01	0.03
2.61	0.60	0.40	8.70	0.01	0.03	2.62	0.61	0.39	8.69	0.01	0.03
2.63	0.61	0.39	8.69	0.01	0.03	2.64	0.61	0.39	8.68	0.01	0.03
2.65	0.59	0.41	8.68	0.01	0.04	2.66	0.59	0.41	8.67	0.01	0.04
2.67	0.57	0.43	8.66	0.01	0.04	2.68	0.52	0.48	8.66	0.01	0.04
2.69	0.51	0.49	8.66	0.01	0.04	2.70	0.51	0.49	8.65	0.01	0.04
2.71	0.58	0.42	8.65	0.01	0.04	2.72	0.62	0.38	8.64	0.01	0.03
2.73	0.67	0.33	8.64	0.01	0.03	2.74	0.79	0.21	8.63	0.01	0.02
2.75	0.84	0.16	8.63	0.01	0.01	2.76	0.90	0.10	8.62	0.01	0.01
2.77	0.92	0.08	8.62	0.01	0.01	2.78	0.99	0.01	8.61	0.01	0.00
2.79	1.02	0.00	8.61	0.01	0.00	2.80	1.03	0.00	8.60	0.01	0.00
2.81	1.04	0.00	8.60	0.01	0.00	2.82	1.04	0.00	8.59	0.01	0.00
2.83	1.02	0.00	8.59	0.01	0.00	2.84	0.95	0.05	8.58	0.01	0.00
2.85	0.90	0.10	8.57	0.01	0.01	2.86	0.79	0.21	8.57	0.01	0.02
2.87	0.73	0.27	8.57	0.01	0.02	2.88	0.65	0.35	8.56	0.01	0.03

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.61	0.39	8.56	0.01	0.03	2.90	0.58	0.42	8.55	0.01	0.04
2.91	0.58	0.42	8.55	0.01	0.04	2.92	0.58	0.42	8.54	0.01	0.04
2.93	0.51	0.49	8.54	0.01	0.04	2.94	0.52	0.48	8.53	0.01	0.04
2.95	0.53	0.47	8.53	0.01	0.04	2.96	0.55	0.45	8.52	0.01	0.04
2.97	0.56	0.44	8.52	0.01	0.04	2.98	0.57	0.43	8.51	0.01	0.04
2.99	0.58	0.42	8.51	0.01	0.04	3.00	0.58	0.42	8.50	0.01	0.04
3.01	0.60	0.40	8.49	0.01	0.03	3.02	0.64	0.36	8.49	0.01	0.03
3.03	0.66	0.34	8.49	0.01	0.03	3.04	0.71	0.29	8.48	0.01	0.02
3.05	0.73	0.27	8.48	0.01	0.02	3.06	0.76	0.24	8.47	0.01	0.02
3.07	0.77	0.23	8.47	0.01	0.02	3.08	0.82	0.18	8.46	0.01	0.02
3.09	0.83	0.17	8.46	0.01	0.01	3.10	0.78	0.22	8.45	0.01	0.02
3.11	0.76	0.24	8.45	0.01	0.02	3.12	0.71	0.29	8.44	0.01	0.02
3.13	0.67	0.33	8.44	0.01	0.03	3.14	0.65	0.35	8.43	0.01	0.03
3.15	0.62	0.38	8.43	0.01	0.03	3.16	0.61	0.39	8.42	0.01	0.03
3.17	0.60	0.40	8.41	0.01	0.03	3.18	0.60	0.40	8.41	0.01	0.03
3.19	0.60	0.40	8.41	0.01	0.03	3.20	0.60	0.40	8.40	0.01	0.03
3.21	0.60	0.40	8.40	0.01	0.03	3.22	0.62	0.38	8.39	0.01	0.03
3.23	0.64	0.36	8.39	0.01	0.03	3.24	0.67	0.33	8.38	0.01	0.03
3.25	0.72	0.28	8.38	0.01	0.02	3.26	0.76	0.24	8.37	0.01	0.02
3.27	0.82	0.18	8.37	0.01	0.02	3.28	0.84	0.16	8.36	0.01	0.01
3.29	0.88	0.12	8.36	0.01	0.01	3.30	0.89	0.11	8.35	0.01	0.01
3.31	0.89	0.11	8.35	0.01	0.01	3.32	0.90	0.10	8.34	0.01	0.01
3.33	0.89	0.11	8.34	0.01	0.01	3.34	0.84	0.16	8.33	0.01	0.01
3.35	0.81	0.19	8.32	0.01	0.02	3.36	0.75	0.25	8.32	0.01	0.02
3.37	0.73	0.27	8.32	0.01	0.02	3.38	0.70	0.30	8.31	0.01	0.02
3.39	0.66	0.34	8.31	0.01	0.03	3.40	0.64	0.36	8.30	0.01	0.03
3.41	0.61	0.39	8.30	0.01	0.03	3.42	0.59	0.41	8.29	0.01	0.03
3.43	0.55	0.45	8.29	0.01	0.04	3.44	0.53	0.47	8.28	0.01	0.04
3.45	0.49	0.51	8.28	0.01	0.04	3.46	0.48	0.52	8.27	0.01	0.04
3.47	0.49	0.51	8.27	0.01	0.04	3.48	0.49	0.51	8.26	0.01	0.04
3.49	0.52	0.48	8.26	0.01	0.04	3.50	0.52	0.48	8.25	0.01	0.04
3.51	0.53	0.47	8.24	0.01	0.04	3.52	0.52	0.48	8.24	0.01	0.04
3.53	0.51	0.49	8.24	0.01	0.04	3.54	0.50	0.50	8.23	0.01	0.04
3.55	0.49	0.51	8.23	0.01	0.04	3.56	0.48	0.52	8.22	0.01	0.04
3.57	0.47	0.53	8.22	0.01	0.04	3.58	0.46	0.54	8.21	0.01	0.04
3.59	0.45	0.55	8.21	0.01	0.04	3.60	0.44	0.56	8.20	0.01	0.05
3.61	0.44	0.56	8.20	0.01	0.05	3.62	0.43	0.57	8.19	0.01	0.05
3.63	0.43	0.57	8.19	0.01	0.05	3.64	0.44	0.56	8.18	0.01	0.05
3.65	0.44	0.56	8.18	0.01	0.05	3.66	0.44	0.56	8.17	0.01	0.05
3.67	0.44	0.56	8.16	0.01	0.05	3.68	0.43	0.57	8.16	0.01	0.05
3.69	0.42	0.58	8.16	0.01	0.05	3.70	0.42	0.58	8.15	0.01	0.05
3.71	0.41	0.59	8.15	0.01	0.05	3.72	0.41	0.59	8.14	0.01	0.05
3.73	0.40	0.60	8.14	0.01	0.05	3.74	0.41	0.59	8.13	0.01	0.05
3.75	0.41	0.59	8.13	0.01	0.05	3.76	0.41	0.59	8.12	0.01	0.05
3.77	0.42	0.58	8.12	0.01	0.05	3.78	0.42	0.58	8.11	0.01	0.05
3.79	0.43	0.57	8.11	0.01	0.05	3.80	0.43	0.57	8.10	0.01	0.05
3.81	0.44	0.56	8.10	0.01	0.05	3.82	0.44	0.56	8.09	0.01	0.04
3.83	0.44	0.56	8.09	0.01	0.05	3.84	0.45	0.55	8.08	0.01	0.04



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.44	0.56	8.07	0.01	0.05	3.86	0.44	0.56	8.07	0.01	0.05
3.87	0.44	0.56	8.07	0.01	0.05	3.88	0.43	0.57	8.06	0.01	0.05
3.89	0.43	0.57	8.06	0.01	0.05	3.90	0.42	0.58	8.05	0.01	0.05
3.91	0.43	0.57	8.05	0.01	0.05	3.92	0.41	0.59	8.04	0.01	0.05
3.93	0.37	0.63	8.04	0.01	0.05	3.94	0.35	0.65	8.03	0.01	0.05
3.95	0.35	0.65	8.03	0.01	0.05	3.96	0.35	0.65	8.02	0.01	0.05
3.97	0.35	0.65	8.02	0.01	0.05	3.98	0.36	0.64	8.01	0.01	0.05
3.99	0.36	0.64	8.01	0.01	0.05	4.00	0.37	0.63	8.00	0.01	0.05
4.01	0.36	0.64	8.00	0.01	0.05	4.02	0.37	0.63	7.99	0.01	0.05
4.03	0.36	0.64	7.99	0.01	0.05	4.04	0.36	0.64	7.98	0.01	0.05
4.05	0.36	0.64	7.98	0.01	0.05	4.06	0.35	0.65	7.97	0.01	0.05
4.07	0.34	0.66	7.97	0.01	0.05	4.08	0.33	0.67	7.96	0.01	0.05
4.09	0.33	0.67	7.96	0.01	0.05	4.10	0.32	0.68	7.95	0.01	0.05
4.11	0.32	0.68	7.95	0.01	0.05	4.12	0.31	0.69	7.94	0.01	0.05
4.13	0.30	0.70	7.94	0.01	0.06	4.14	0.29	0.71	7.93	0.01	0.06
4.15	0.28	0.72	7.93	0.01	0.06	4.16	0.28	0.72	7.92	0.01	0.06
4.17	0.27	0.73	7.92	0.01	0.06	4.18	0.28	0.72	7.91	0.01	0.06
4.19	0.31	0.69	7.91	0.01	0.05	4.20	0.32	0.68	7.90	0.01	0.05
4.21	0.35	0.65	7.90	0.01	0.05	4.22	0.35	0.65	7.89	0.01	0.05
4.23	0.36	0.64	7.89	0.01	0.05	4.24	0.37	0.63	7.88	0.01	0.05
4.25	0.37	0.63	7.88	0.01	0.05	4.26	0.38	0.62	7.87	0.01	0.05
4.27	0.38	0.62	7.87	0.01	0.05	4.28	0.39	0.61	7.86	0.01	0.05
4.29	0.39	0.61	7.86	0.01	0.05	4.30	0.38	0.62	7.85	0.01	0.05
4.31	0.38	0.62	7.85	0.01	0.05	4.32	0.37	0.63	7.84	0.01	0.05
4.33	0.37	0.63	7.84	0.01	0.05	4.34	0.37	0.63	7.83	0.01	0.05
4.35	0.37	0.63	7.83	0.01	0.05	4.36	0.37	0.63	7.82	0.01	0.05
4.37	0.37	0.63	7.82	0.01	0.05	4.38	0.38	0.62	7.81	0.01	0.05
4.39	0.38	0.62	7.81	0.01	0.05	4.40	0.39	0.61	7.80	0.01	0.05
4.41	0.39	0.61	7.80	0.01	0.05	4.42	0.39	0.61	7.79	0.01	0.05
4.43	0.39	0.61	7.79	0.01	0.05	4.44	0.39	0.61	7.78	0.01	0.05
4.45	0.39	0.61	7.78	0.01	0.05	4.46	0.39	0.61	7.77	0.01	0.05
4.47	0.38	0.62	7.77	0.01	0.05	4.48	0.38	0.62	7.76	0.01	0.05
4.49	0.38	0.62	7.76	0.01	0.05	4.50	0.38	0.62	7.75	0.01	0.05
4.51	0.38	0.62	7.75	0.01	0.05	4.52	0.38	0.62	7.74	0.01	0.05
4.53	0.38	0.62	7.74	0.01	0.05	4.54	0.38	0.62	7.73	0.01	0.05
4.55	0.38	0.62	7.73	0.01	0.05	4.56	0.38	0.62	7.72	0.01	0.05
4.57	0.37	0.63	7.72	0.01	0.05	4.58	0.37	0.63	7.71	0.01	0.05
4.59	0.37	0.63	7.71	0.01	0.05	4.60	0.37	0.63	7.70	0.01	0.05
4.61	0.37	0.63	7.70	0.01	0.05	4.62	0.37	0.63	7.69	0.01	0.05
4.63	0.36	0.64	7.69	0.01	0.05	4.64	0.36	0.64	7.68	0.01	0.05
4.65	0.36	0.64	7.68	0.01	0.05	4.66	0.35	0.65	7.67	0.01	0.05
4.67	0.35	0.65	7.67	0.01	0.05	4.68	0.35	0.65	7.66	0.01	0.05
4.69	0.35	0.65	7.66	0.01	0.05	4.70	0.34	0.66	7.65	0.01	0.05
4.71	0.34	0.66	7.65	0.01	0.05	4.72	0.33	0.67	7.64	0.01	0.05
4.73	0.33	0.67	7.64	0.01	0.05	4.74	0.32	0.68	7.63	0.01	0.05
4.75	0.32	0.68	7.63	0.01	0.05	4.76	0.32	0.68	7.62	0.01	0.05
4.77	0.35	0.65	7.62	0.01	0.05	4.78	0.36	0.64	7.61	0.01	0.05
4.79	0.37	0.63	7.61	0.01	0.05	4.80	0.39	0.61	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.40	0.60	7.60	0.01	0.05	4.82	0.40	0.60	7.59	0.01	0.05
4.83	0.40	0.60	7.59	0.01	0.05	4.84	0.39	0.61	7.58	0.01	0.05
4.85	0.38	0.62	7.58	0.01	0.05	4.86	0.36	0.64	7.57	0.01	0.05
4.87	0.36	0.64	7.57	0.01	0.05	4.88	0.35	0.65	7.56	0.01	0.05
4.89	0.34	0.66	7.56	0.01	0.05	4.90	0.33	0.67	7.55	0.01	0.05
4.91	0.33	0.67	7.55	0.01	0.05	4.92	0.33	0.67	7.54	0.01	0.05
4.93	0.30	0.70	7.54	0.01	0.05	4.94	0.29	0.71	7.53	0.01	0.05
4.95	0.29	0.71	7.53	0.01	0.05	4.96	0.30	0.70	7.52	0.01	0.05
4.97	0.34	0.66	7.52	0.01	0.05	4.98	0.35	0.65	7.51	0.01	0.05
4.99	0.36	0.64	7.51	0.01	0.05	5.00	0.37	0.63	7.50	0.01	0.05
5.01	0.34	0.66	7.50	0.01	0.05	5.02	0.33	0.67	7.49	0.01	0.05
5.03	0.33	0.67	7.49	0.01	0.05	5.04	0.32	0.68	7.48	0.01	0.05
5.05	0.32	0.68	7.48	0.01	0.05	5.06	0.32	0.68	7.47	0.01	0.05
5.07	0.33	0.67	7.47	0.01	0.05	5.08	0.34	0.66	7.46	0.01	0.05
5.09	0.34	0.66	7.46	0.01	0.05	5.10	0.35	0.65	7.45	0.01	0.05
5.11	0.36	0.64	7.45	0.01	0.05	5.12	0.38	0.62	7.44	0.01	0.05
5.13	0.38	0.62	7.44	0.01	0.05	5.14	0.38	0.62	7.43	0.01	0.05
5.15	0.37	0.63	7.43	0.01	0.05	5.16	0.37	0.63	7.42	0.01	0.05
5.17	0.36	0.64	7.42	0.01	0.05	5.18	0.35	0.65	7.41	0.01	0.05
5.19	0.34	0.66	7.41	0.01	0.05	5.20	0.33	0.67	7.40	0.01	0.05
5.21	0.33	0.67	7.40	0.01	0.05	5.22	0.31	0.69	7.39	0.01	0.05
5.23	0.30	0.70	7.39	0.01	0.05	5.24	0.30	0.70	7.38	0.01	0.05
5.25	0.29	0.71	7.38	0.01	0.05	5.26	0.28	0.72	7.37	0.01	0.05
5.27	0.28	0.72	7.37	0.01	0.05	5.28	0.28	0.72	7.36	0.01	0.05
5.29	0.28	0.72	7.36	0.01	0.05	5.30	0.29	0.71	7.35	0.01	0.05
5.31	0.28	0.72	7.35	0.01	0.05	5.32	0.28	0.72	7.34	0.01	0.05
5.33	0.26	0.74	7.34	0.01	0.05	5.34	0.26	0.74	7.33	0.01	0.05
5.35	0.27	0.73	7.33	0.01	0.05	5.36	0.28	0.72	7.32	0.01	0.05
5.37	0.28	0.72	7.32	0.01	0.05	5.38	0.28	0.72	7.31	0.01	0.05
5.39	0.28	0.72	7.31	0.01	0.05	5.40	0.28	0.72	7.30	0.01	0.05
5.41	0.28	0.72	7.30	0.01	0.05	5.42	0.28	0.72	7.29	0.01	0.05
5.43	0.27	0.73	7.29	0.01	0.05	5.44	0.27	0.73	7.28	0.01	0.05
5.45	0.27	0.73	7.28	0.01	0.05	5.46	0.26	0.74	7.27	0.01	0.05
5.47	0.26	0.74	7.27	0.01	0.05	5.48	0.26	0.74	7.26	0.01	0.05
5.49	0.27	0.73	7.26	0.01	0.05	5.50	0.28	0.72	7.25	0.01	0.05
5.51	0.31	0.69	7.25	0.01	0.05	5.52	0.30	0.70	7.24	0.01	0.05
5.53	0.32	0.68	7.24	0.01	0.05	5.54	0.32	0.68	7.23	0.01	0.05
5.55	0.32	0.68	7.23	0.01	0.05	5.56	0.32	0.68	7.22	0.01	0.05
5.57	0.31	0.69	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.31	0.69	7.21	0.01	0.05	5.60	0.30	0.70	7.20	0.01	0.05
5.61	0.31	0.69	7.20	0.01	0.05	5.62	0.30	0.70	7.19	0.01	0.05
5.63	0.29	0.71	7.19	0.01	0.05	5.64	2.00	0.00	7.18	0.01	0.00
5.65	2.00	0.00	7.18	0.01	0.00	5.66	0.29	0.71	7.17	0.01	0.05
5.67	0.33	0.67	7.17	0.01	0.05	5.68	0.35	0.65	7.16	0.01	0.05
5.69	0.35	0.65	7.16	0.01	0.05	5.70	0.36	0.64	7.15	0.01	0.05
5.71	0.34	0.66	7.15	0.01	0.05	5.72	0.34	0.66	7.14	0.01	0.05
5.73	0.34	0.66	7.14	0.01	0.05	5.74	0.33	0.67	7.13	0.01	0.05
5.75	0.33	0.67	7.13	0.01	0.05	5.76	0.33	0.67	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.33	0.67	7.12	0.01	0.05	5.78	0.33	0.67	7.11	0.01	0.05
5.79	0.32	0.68	7.11	0.01	0.05	5.80	0.32	0.68	7.10	0.01	0.05
5.81	0.33	0.67	7.10	0.01	0.05	5.82	0.32	0.68	7.09	0.01	0.05
5.83	0.33	0.67	7.09	0.01	0.05	5.84	0.31	0.69	7.08	0.01	0.05
5.85	0.31	0.69	7.08	0.01	0.05	5.86	0.30	0.70	7.07	0.01	0.05
5.87	0.29	0.71	7.07	0.01	0.05	5.88	0.28	0.72	7.06	0.01	0.05
5.89	2.00	0.00	7.06	0.01	0.00	5.90	2.00	0.00	7.05	0.01	0.00
5.91	2.00	0.00	7.05	0.01	0.00	5.92	2.00	0.00	7.04	0.01	0.00
5.93	2.00	0.00	7.04	0.01	0.00	5.94	2.00	0.00	7.03	0.01	0.00
5.95	2.00	0.00	7.03	0.01	0.00	5.96	2.00	0.00	7.02	0.01	0.00
5.97	2.00	0.00	7.02	0.01	0.00	5.98	2.00	0.00	7.01	0.01	0.00
5.99	2.00	0.00	7.01	0.01	0.00	6.00	2.00	0.00	7.00	0.01	0.00
6.01	2.00	0.00	7.00	0.01	0.00	6.02	0.32	0.68	6.99	0.01	0.05
6.03	0.31	0.69	6.99	0.01	0.05	6.04	0.31	0.69	6.98	0.01	0.05
6.05	0.31	0.69	6.98	0.01	0.05	6.06	0.30	0.70	6.97	0.01	0.05
6.07	0.30	0.70	6.97	0.01	0.05	6.08	0.29	0.71	6.96	0.01	0.05
6.09	0.29	0.71	6.96	0.01	0.05	6.10	0.28	0.72	6.95	0.01	0.05
6.11	0.28	0.72	6.95	0.01	0.05	6.12	0.27	0.73	6.94	0.01	0.05
6.13	0.27	0.73	6.94	0.01	0.05	6.14	0.28	0.72	6.93	0.01	0.05
6.15	0.28	0.72	6.93	0.01	0.05	6.16	0.29	0.71	6.92	0.01	0.05
6.17	0.28	0.72	6.92	0.01	0.05	6.18	0.28	0.72	6.91	0.01	0.05
6.19	0.27	0.73	6.91	0.01	0.05	6.20	0.27	0.73	6.90	0.01	0.05
6.21	0.26	0.74	6.90	0.01	0.05	6.22	0.26	0.74	6.89	0.01	0.05
6.23	0.26	0.74	6.89	0.01	0.05	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	2.00	0.00	6.87	0.01	0.00	6.28	2.00	0.00	6.86	0.01	0.00
6.29	2.00	0.00	6.86	0.01	0.00	6.30	2.00	0.00	6.85	0.01	0.00
6.31	2.00	0.00	6.85	0.01	0.00	6.32	2.00	0.00	6.84	0.01	0.00
6.33	2.00	0.00	6.84	0.01	0.00	6.34	2.00	0.00	6.83	0.01	0.00
6.35	2.00	0.00	6.83	0.01	0.00	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.24	0.76	6.64	0.01	0.05	6.74	0.26	0.74	6.63	0.01	0.05
6.75	0.24	0.76	6.63	0.01	0.05	6.76	0.23	0.77	6.62	0.01	0.05
6.77	0.25	0.75	6.62	0.01	0.05	6.78	0.26	0.74	6.61	0.01	0.05
6.79	0.28	0.72	6.61	0.01	0.05	6.80	0.29	0.71	6.60	0.01	0.05
6.81	0.28	0.72	6.60	0.01	0.05	6.82	0.27	0.73	6.59	0.01	0.05
6.83	0.26	0.74	6.59	0.01	0.05	6.84	0.26	0.74	6.58	0.01	0.05
6.85	0.30	0.70	6.58	0.01	0.05	6.86	0.31	0.69	6.57	0.01	0.05
6.87	0.30	0.70	6.57	0.01	0.05	6.88	0.29	0.71	6.56	0.01	0.05
6.89	0.29	0.71	6.56	0.01	0.05	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	0.23	0.77	6.09	0.01	0.05	7.84	0.23	0.77	6.08	0.01	0.05
7.85	0.24	0.76	6.08	0.01	0.05	7.86	0.23	0.77	6.07	0.01	0.05
7.87	0.22	0.78	6.07	0.01	0.05	7.88	0.22	0.78	6.06	0.01	0.05
7.89	0.22	0.78	6.06	0.01	0.05	7.90	0.23	0.77	6.05	0.01	0.05
7.91	0.22	0.78	6.05	0.01	0.05	7.92	0.22	0.78	6.04	0.01	0.05
7.93	0.23	0.77	6.04	0.01	0.05	7.94	0.24	0.76	6.03	0.01	0.05
7.95	0.24	0.76	6.03	0.01	0.05	7.96	0.24	0.76	6.02	0.01	0.05
7.97	0.25	0.75	6.02	0.01	0.05	7.98	0.25	0.75	6.01	0.01	0.05
7.99	0.25	0.75	6.01	0.01	0.05	8.00	0.25	0.75	6.00	0.01	0.05
8.01	0.24	0.76	6.00	0.01	0.05	8.02	0.24	0.76	5.99	0.01	0.05
8.03	0.24	0.76	5.99	0.01	0.05	8.04	0.23	0.77	5.98	0.01	0.05
8.05	0.23	0.77	5.98	0.01	0.05	8.06	0.23	0.77	5.97	0.01	0.05
8.07	0.23	0.77	5.97	0.01	0.05	8.08	0.24	0.76	5.96	0.01	0.05
8.09	0.25	0.75	5.96	0.01	0.04	8.10	0.26	0.74	5.95	0.01	0.04
8.11	0.27	0.73	5.95	0.01	0.04	8.12	0.27	0.73	5.94	0.01	0.04
8.13	0.27	0.73	5.94	0.01	0.04	8.14	0.27	0.73	5.93	0.01	0.04
8.15	0.28	0.72	5.93	0.01	0.04	8.16	0.28	0.72	5.92	0.01	0.04
8.17	0.28	0.72	5.92	0.01	0.04	8.18	0.29	0.71	5.91	0.01	0.04
8.19	0.29	0.71	5.91	0.01	0.04	8.20	0.30	0.70	5.90	0.01	0.04
8.21	0.30	0.70	5.90	0.01	0.04	8.22	0.30	0.70	5.89	0.01	0.04
8.23	0.30	0.70	5.89	0.01	0.04	8.24	0.30	0.70	5.88	0.01	0.04
8.25	0.31	0.69	5.88	0.01	0.04	8.26	0.30	0.70	5.87	0.01	0.04
8.27	0.30	0.70	5.87	0.01	0.04	8.28	0.29	0.71	5.86	0.01	0.04
8.29	0.28	0.72	5.86	0.01	0.04	8.30	0.27	0.73	5.85	0.01	0.04
8.31	0.27	0.73	5.85	0.01	0.04	8.32	0.26	0.74	5.84	0.01	0.04
8.33	0.25	0.75	5.84	0.01	0.04	8.34	0.26	0.74	5.83	0.01	0.04
8.35	0.27	0.73	5.83	0.01	0.04	8.36	0.28	0.72	5.82	0.01	0.04
8.37	0.29	0.71	5.82	0.01	0.04	8.38	0.29	0.71	5.81	0.01	0.04
8.39	0.29	0.71	5.81	0.01	0.04	8.40	0.29	0.71	5.80	0.01	0.04
8.41	0.29	0.71	5.80	0.01	0.04	8.42	0.28	0.72	5.79	0.01	0.04
8.43	0.27	0.73	5.79	0.01	0.04	8.44	0.26	0.74	5.78	0.01	0.04
8.45	0.26	0.74	5.78	0.01	0.04	8.46	0.27	0.73	5.77	0.01	0.04
8.47	0.28	0.72	5.77	0.01	0.04	8.48	0.29	0.71	5.76	0.01	0.04
8.49	0.29	0.71	5.76	0.01	0.04	8.50	0.30	0.70	5.75	0.01	0.04
8.51	0.30	0.70	5.75	0.01	0.04	8.52	0.31	0.69	5.74	0.01	0.04
8.53	0.31	0.69	5.74	0.01	0.04	8.54	0.32	0.68	5.73	0.01	0.04
8.55	0.32	0.68	5.72	0.01	0.04	8.56	0.33	0.67	5.72	0.01	0.04
8.57	0.33	0.67	5.72	0.01	0.04	8.58	0.33	0.67	5.71	0.01	0.04
8.59	0.34	0.66	5.71	0.01	0.04	8.60	0.34	0.66	5.70	0.01	0.04
8.61	0.35	0.65	5.70	0.01	0.04	8.62	0.35	0.65	5.69	0.01	0.04
8.63	0.34	0.66	5.68	0.01	0.04	8.64	0.34	0.66	5.68	0.01	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	0.33	0.67	5.68	0.01	0.04	8.66	0.32	0.68	5.67	0.01	0.04
8.67	0.31	0.69	5.67	0.01	0.04	8.68	0.30	0.70	5.66	0.01	0.04
8.69	0.28	0.72	5.66	0.01	0.04	8.70	0.27	0.73	5.65	0.01	0.04
8.71	0.25	0.75	5.64	0.01	0.04	8.72	0.24	0.76	5.64	0.01	0.04
8.73	0.24	0.76	5.64	0.01	0.04	8.74	0.23	0.77	5.63	0.01	0.04
8.75	0.23	0.77	5.63	0.01	0.04	8.76	0.23	0.77	5.62	0.01	0.04
8.77	0.24	0.76	5.62	0.01	0.04	8.78	0.24	0.76	5.61	0.01	0.04
8.79	0.25	0.75	5.61	0.01	0.04	8.80	0.25	0.75	5.60	0.01	0.04
8.81	0.26	0.74	5.60	0.01	0.04	8.82	0.28	0.72	5.59	0.01	0.04
8.83	0.30	0.70	5.59	0.01	0.04	8.84	0.29	0.71	5.58	0.01	0.04
8.85	0.30	0.70	5.58	0.01	0.04	8.86	0.30	0.70	5.57	0.01	0.04
8.87	0.29	0.71	5.57	0.01	0.04	8.88	0.29	0.71	5.56	0.01	0.04
8.89	0.29	0.71	5.56	0.01	0.04	8.90	0.28	0.72	5.55	0.01	0.04
8.91	0.28	0.72	5.55	0.01	0.04	8.92	0.28	0.72	5.54	0.01	0.04
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	0.30	0.70	5.19	0.01	0.04
9.63	0.30	0.70	5.18	0.01	0.04	9.64	0.31	0.69	5.18	0.01	0.04
9.65	0.31	0.69	5.18	0.01	0.04	9.66	0.32	0.68	5.17	0.01	0.04
9.67	0.31	0.69	5.17	0.01	0.04	9.68	0.31	0.69	5.16	0.01	0.04
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	0.28	0.72	4.13	0.01	0.03	11.76	0.28	0.72	4.12	0.01	0.03
11.77	0.28	0.72	4.12	0.01	0.03	11.78	0.28	0.72	4.11	0.01	0.03
11.79	0.29	0.71	4.11	0.01	0.03	11.80	0.29	0.71	4.10	0.01	0.03
11.81	0.29	0.71	4.10	0.01	0.03	11.82	0.29	0.71	4.09	0.01	0.03
11.83	0.29	0.71	4.09	0.01	0.03	11.84	0.29	0.71	4.08	0.01	0.03
11.85	0.29	0.71	4.08	0.01	0.03	11.86	0.30	0.70	4.07	0.01	0.03
11.87	0.31	0.69	4.07	0.01	0.03	11.88	0.31	0.69	4.06	0.01	0.03
11.89	0.36	0.64	4.06	0.01	0.03	11.90	0.37	0.63	4.05	0.01	0.03
11.91	0.37	0.63	4.05	0.01	0.03	11.92	0.36	0.64	4.04	0.01	0.03
11.93	0.41	0.59	4.04	0.01	0.02	11.94	0.40	0.60	4.03	0.01	0.02
11.95	0.38	0.62	4.03	0.01	0.02	11.96	0.38	0.62	4.02	0.01	0.03
11.97	0.37	0.63	4.02	0.01	0.03	11.98	0.39	0.61	4.01	0.01	0.02
11.99	0.39	0.61	4.01	0.01	0.02	12.00	0.39	0.61	4.00	0.01	0.02
12.01	0.37	0.63	4.00	0.01	0.03	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	0.36	0.64	3.95	0.01	0.03
12.11	0.42	0.58	3.95	0.01	0.02	12.12	0.45	0.55	3.94	0.01	0.02
12.13	0.51	0.49	3.94	0.01	0.02	12.14	0.52	0.48	3.93	0.01	0.02
12.15	0.53	0.47	3.93	0.01	0.02	12.16	0.53	0.47	3.92	0.01	0.02
12.17	0.52	0.48	3.92	0.01	0.02	12.18	0.50	0.50	3.91	0.01	0.02
12.19	0.49	0.51	3.91	0.01	0.02	12.20	0.30	0.70	3.90	0.01	0.03
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00

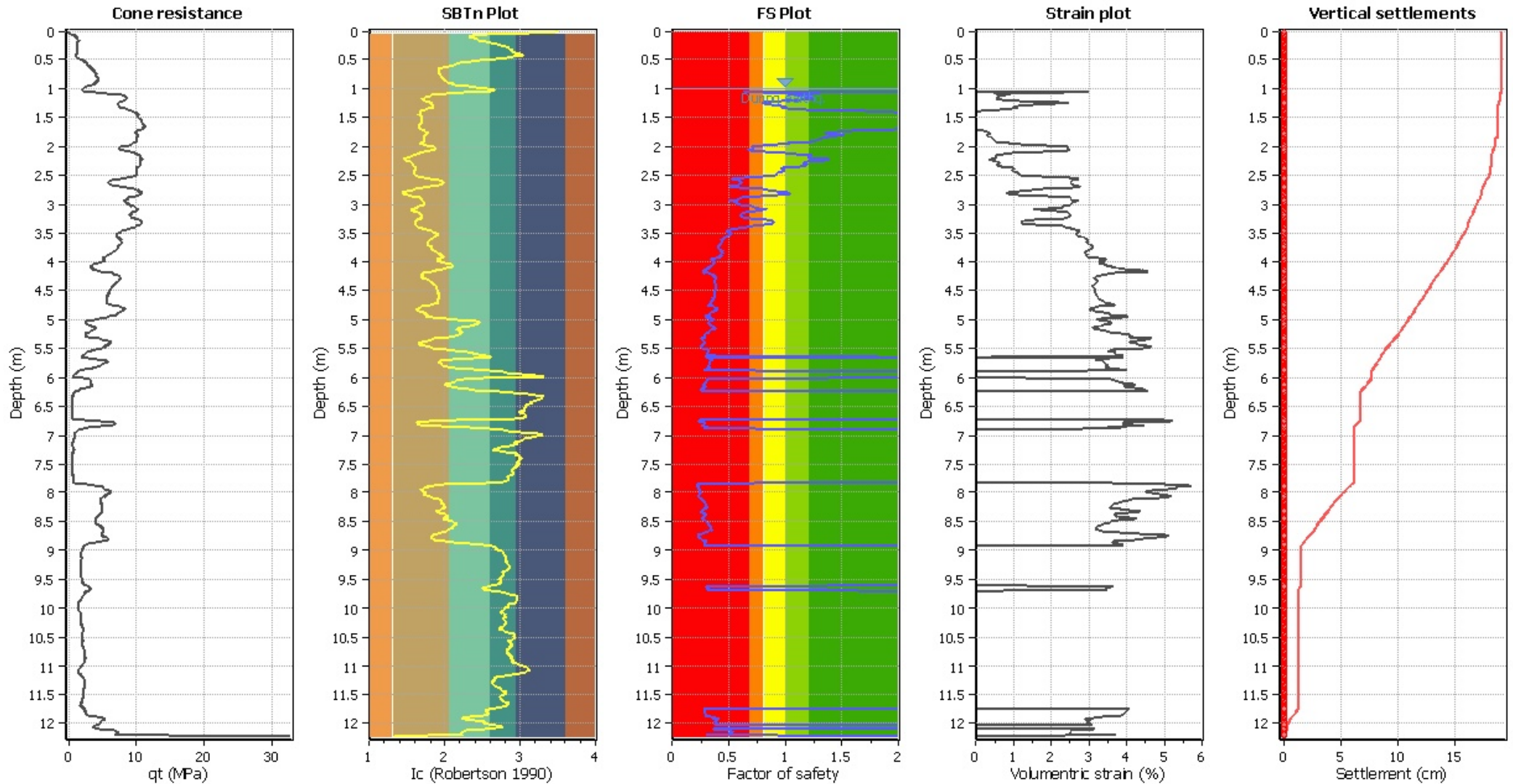
**Overall liquefaction potential: 22.64**

LPI = 0.00 - Liquefaction risk very low  
LPI between 0.00 and 5.00 - Liquefaction risk low  
LPI between 5.00 and 15.00 - Liquefaction risk high  
LPI > 15.00 - Liquefaction risk very high

**Abbreviations**

FS: Calculated factor of safety for test point  
F<sub>L</sub>: 1 - FS  
w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
d<sub>z</sub>: Layer thickness (m)  
LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	97.85	2.00	0.00	1.00	0.00	1.01	33.56	2.00	0.00	1.00	0.00
1.02	32.21	2.00	0.00	1.00	0.00	1.03	33.89	2.00	0.00	1.00	0.00
1.04	106.33	0.65	3.02	1.00	0.03	1.05	115.28	0.73	2.77	1.00	0.03
1.06	123.71	0.83	2.16	1.00	0.02	1.07	144.97	1.29	0.47	1.00	0.00
1.08	142.89	1.22	0.56	1.00	0.01	1.09	135.76	1.03	0.93	1.00	0.01
1.10	141.55	1.17	0.64	1.00	0.01	1.11	138.67	1.09	0.79	1.00	0.01
1.12	142.39	1.18	0.62	1.00	0.01	1.13	142.22	1.17	0.63	1.00	0.01
1.14	142.92	1.19	0.61	1.00	0.01	1.15	143.79	1.21	0.58	1.00	0.01
1.16	145.13	1.24	0.53	1.00	0.01	1.17	145.29	1.24	0.53	1.00	0.01
1.18	143.62	1.18	0.61	1.00	0.01	1.19	141.60	1.12	0.71	1.00	0.01
1.20	139.09	1.06	0.86	1.00	0.01	1.21	133.05	0.92	1.30	1.00	0.01
1.22	130.22	0.87	1.61	1.00	0.02	1.23	128.19	0.83	1.92	1.00	0.02
1.24	125.55	0.79	2.47	1.00	0.02	1.25	127.18	0.81	2.15	1.00	0.02
1.26	127.88	0.82	2.05	1.00	0.02	1.27	129.44	0.84	1.82	1.00	0.02
1.28	131.52	0.87	1.57	1.00	0.02	1.29	133.69	0.91	1.36	1.00	0.01
1.30	136.89	0.97	1.10	1.00	0.01	1.31	138.89	1.01	0.97	1.00	0.01
1.32	137.05	0.96	1.11	1.00	0.01	1.33	138.61	0.99	1.01	1.00	0.01
1.34	140.19	1.03	0.91	1.00	0.01	1.35	142.78	1.09	0.77	1.00	0.01
1.36	148.15	1.24	0.52	1.00	0.01	1.37	151.17	1.35	0.41	1.00	0.00
1.38	157.88	1.64	0.18	1.00	0.00	1.39	160.90	1.80	0.09	1.00	0.00
1.40	163.08	1.93	0.03	1.00	0.00	1.41	166.27	2.00	0.00	1.00	0.00
1.42	167.16	2.00	0.00	1.00	0.00	1.43	168.14	2.00	0.00	1.00	0.00
1.44	169.63	2.00	0.00	1.00	0.00	1.45	170.08	2.00	0.00	1.00	0.00
1.46	170.16	2.00	0.00	1.00	0.00	1.47	169.21	2.00	0.00	1.00	0.00
1.48	168.39	2.00	0.00	1.00	0.00	1.49	168.47	2.00	0.00	1.00	0.00
1.50	169.30	2.00	0.00	1.00	0.00	1.51	170.58	2.00	0.00	1.00	0.00
1.52	171.53	2.00	0.00	1.00	0.00	1.53	171.78	2.00	0.00	1.00	0.00
1.54	172.26	2.00	0.00	1.00	0.00	1.55	171.92	2.00	0.00	1.00	0.00
1.56	171.47	2.00	0.00	1.00	0.00	1.57	171.49	2.00	0.00	1.00	0.00
1.58	171.39	2.00	0.00	1.00	0.00	1.59	172.11	2.00	0.00	1.00	0.00
1.60	172.84	2.00	0.00	1.00	0.00	1.61	172.28	2.00	0.00	1.00	0.00
1.62	174.28	2.00	0.00	1.00	0.00	1.63	175.12	2.00	0.00	1.00	0.00
1.64	175.38	2.00	0.00	1.00	0.00	1.65	175.17	2.00	0.00	1.00	0.00
1.66	174.51	2.00	0.00	1.00	0.00	1.67	173.27	2.00	0.00	1.00	0.00
1.68	171.68	2.00	0.00	1.00	0.00	1.69	168.57	2.00	0.00	1.00	0.00
1.70	166.97	2.00	0.00	1.00	0.00	1.71	163.60	1.81	0.08	1.00	0.00
1.72	161.76	1.70	0.14	1.00	0.00	1.73	160.04	1.60	0.20	1.00	0.00
1.74	156.87	1.45	0.31	1.00	0.00	1.75	155.76	1.39	0.36	1.00	0.00
1.76	154.76	1.35	0.40	1.00	0.00	1.77	155.19	1.37	0.38	1.00	0.00
1.78	155.94	1.39	0.36	1.00	0.00	1.79	158.03	1.48	0.28	1.00	0.00
1.80	158.69	1.51	0.26	1.00	0.00	1.81	158.05	1.48	0.29	1.00	0.00
1.82	157.41	1.45	0.31	1.00	0.00	1.83	156.41	1.40	0.35	1.00	0.00
1.84	155.54	1.36	0.39	1.00	0.00	1.85	155.02	1.34	0.41	1.00	0.00
1.86	154.99	1.33	0.41	1.00	0.00	1.87	154.47	1.31	0.44	1.00	0.00
1.88	154.08	1.29	0.46	1.00	0.00	1.89	153.45	1.27	0.48	1.00	0.00
1.90	152.95	1.25	0.51	1.00	0.01	1.91	152.68	1.24	0.52	1.00	0.01
1.92	152.41	1.22	0.54	1.00	0.01	1.93	145.94	1.03	0.88	1.00	0.01
1.94	146.40	1.04	0.86	1.00	0.01	1.95	145.55	1.01	0.91	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	142.89	0.95	1.10	1.00	0.01	1.97	141.44	0.91	1.22	1.00	0.01
1.98	136.82	0.82	1.71	1.00	0.02	1.99	134.11	0.77	2.14	1.00	0.02
2.00	130.31	0.71	2.43	1.00	0.02	2.01	130.00	0.71	2.43	1.00	0.02
2.02	130.53	0.72	2.42	1.00	0.02	2.03	130.99	0.72	2.41	1.00	0.02
2.04	130.68	0.72	2.42	1.00	0.02	2.05	129.44	0.70	2.45	1.00	0.02
2.06	127.00	0.67	2.50	1.00	0.02	2.07	130.14	0.70	2.43	1.00	0.02
2.08	133.47	0.75	2.36	1.00	0.02	2.09	140.28	0.87	1.39	1.00	0.01
2.10	142.93	0.93	1.16	1.00	0.01	2.11	144.84	0.97	1.02	1.00	0.01
2.12	147.70	1.04	0.84	1.00	0.01	2.13	149.00	1.08	0.77	1.00	0.01
2.14	151.47	1.15	0.64	1.00	0.01	2.15	152.88	1.20	0.57	1.00	0.01
2.16	154.06	1.24	0.52	1.00	0.01	2.17	153.60	1.22	0.54	1.00	0.01
2.18	153.14	1.20	0.57	1.00	0.01	2.19	153.50	1.21	0.55	1.00	0.01
2.20	154.57	1.25	0.51	1.00	0.01	2.21	157.59	1.37	0.38	1.00	0.00
2.22	158.18	1.39	0.36	1.00	0.00	2.23	157.73	1.37	0.38	1.00	0.00
2.24	156.58	1.32	0.43	1.00	0.00	2.25	155.55	1.28	0.47	1.00	0.00
2.26	153.70	1.21	0.56	1.00	0.01	2.27	153.01	1.18	0.59	1.00	0.01
2.28	152.67	1.17	0.61	1.00	0.01	2.29	152.56	1.16	0.62	1.00	0.01
2.30	153.04	1.18	0.60	1.00	0.01	2.31	153.39	1.19	0.58	1.00	0.01
2.32	153.28	1.18	0.59	1.00	0.01	2.33	152.71	1.16	0.62	1.00	0.01
2.34	151.32	1.12	0.69	1.00	0.01	2.35	148.53	1.03	0.85	1.00	0.01
2.36	147.37	1.00	0.93	1.00	0.01	2.37	146.09	0.97	1.02	1.00	0.01
2.38	145.98	0.96	1.03	1.00	0.01	2.39	146.35	0.97	1.00	1.00	0.01
2.40	146.83	0.98	0.97	1.00	0.01	2.41	146.95	0.98	0.97	1.00	0.01
2.42	147.08	0.99	0.96	1.00	0.01	2.43	146.63	0.97	1.00	1.00	0.01
2.44	146.05	0.96	1.04	1.00	0.01	2.45	145.95	0.95	1.05	1.00	0.01
2.46	145.14	0.93	1.11	1.00	0.01	2.47	144.92	0.93	1.13	1.00	0.01
2.48	144.58	0.92	1.16	1.00	0.01	2.49	144.25	0.91	1.19	1.00	0.01
2.50	143.32	0.89	1.28	1.00	0.01	2.51	140.15	0.82	1.60	1.00	0.02
2.52	138.28	0.79	1.86	1.00	0.02	2.53	133.17	0.71	2.37	1.00	0.02
2.54	129.22	0.65	2.45	1.00	0.02	2.55	124.64	0.60	2.55	1.00	0.03
2.56	116.29	0.52	2.75	1.00	0.03	2.57	119.07	0.54	2.68	1.00	0.03
2.58	119.10	0.54	2.68	1.00	0.03	2.59	122.93	0.58	2.59	1.00	0.03
2.60	125.07	0.60	2.54	1.00	0.03	2.61	124.83	0.60	2.54	1.00	0.03
2.62	126.05	0.61	2.52	1.00	0.03	2.63	126.05	0.61	2.52	1.00	0.03
2.64	125.93	0.61	2.52	1.00	0.03	2.65	124.41	0.59	2.55	1.00	0.03
2.66	124.36	0.59	2.55	1.00	0.03	2.67	122.03	0.57	2.61	1.00	0.03
2.68	116.83	0.52	2.73	1.00	0.03	2.69	116.12	0.51	2.75	1.00	0.03
2.70	115.94	0.51	2.75	1.00	0.03	2.71	123.45	0.58	2.58	1.00	0.03
2.72	127.57	0.62	2.49	1.00	0.02	2.73	131.78	0.67	2.40	1.00	0.02
2.74	139.36	0.79	1.80	1.00	0.02	2.75	142.19	0.84	1.46	1.00	0.01
2.76	144.88	0.90	1.21	1.00	0.01	2.77	145.83	0.92	1.14	1.00	0.01
2.78	148.74	0.99	0.93	1.00	0.01	2.79	149.57	1.02	0.88	1.00	0.01
2.80	150.16	1.03	0.84	1.00	0.01	2.81	150.64	1.04	0.82	1.00	0.01
2.82	150.44	1.04	0.83	1.00	0.01	2.83	149.89	1.02	0.87	1.00	0.01
2.84	147.15	0.95	1.05	1.00	0.01	2.85	145.10	0.90	1.22	1.00	0.01
2.86	139.78	0.79	1.79	1.00	0.02	2.87	136.53	0.73	2.31	1.00	0.02
2.88	130.55	0.65	2.42	1.00	0.02	2.89	127.61	0.61	2.48	1.00	0.02
2.90	125.01	0.58	2.54	1.00	0.03	2.91	124.92	0.58	2.54	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	124.83	0.58	2.54	1.00	0.03	2.93	116.33	0.51	2.74	1.00	0.03
2.94	118.57	0.52	2.69	1.00	0.03	2.95	119.70	0.53	2.66	1.00	0.03
2.96	122.19	0.55	2.60	1.00	0.03	2.97	123.18	0.56	2.58	1.00	0.03
2.98	124.28	0.57	2.56	1.00	0.03	2.99	124.67	0.58	2.55	1.00	0.03
3.00	124.93	0.58	2.54	1.00	0.03	3.01	127.34	0.60	2.49	1.00	0.02
3.02	130.43	0.64	2.43	1.00	0.02	3.03	132.22	0.66	2.39	1.00	0.02
3.04	135.52	0.71	2.33	1.00	0.02	3.05	136.94	0.73	2.30	1.00	0.02
3.06	138.59	0.76	2.05	1.00	0.02	3.07	139.54	0.77	1.90	1.00	0.02
3.08	141.99	0.82	1.58	1.00	0.02	3.09	142.81	0.83	1.49	1.00	0.01
3.10	140.08	0.78	1.83	1.00	0.02	3.11	138.71	0.76	2.05	1.00	0.02
3.12	135.84	0.71	2.32	1.00	0.02	3.13	133.19	0.67	2.37	1.00	0.02
3.14	131.47	0.65	2.40	1.00	0.02	3.15	129.27	0.62	2.45	1.00	0.02
3.16	128.36	0.61	2.47	1.00	0.02	3.17	127.92	0.60	2.48	1.00	0.02
3.18	127.59	0.60	2.48	1.00	0.02	3.19	127.50	0.60	2.49	1.00	0.02
3.20	127.65	0.60	2.48	1.00	0.02	3.21	127.91	0.60	2.48	1.00	0.02
3.22	129.70	0.62	2.44	1.00	0.02	3.23	131.36	0.64	2.41	1.00	0.02
3.24	133.13	0.67	2.37	1.00	0.02	3.25	136.97	0.72	2.30	1.00	0.02
3.26	139.18	0.76	2.02	1.00	0.02	3.27	142.52	0.82	1.57	1.00	0.02
3.28	143.57	0.84	1.45	1.00	0.01	3.29	145.64	0.88	1.26	1.00	0.01
3.30	146.00	0.89	1.23	1.00	0.01	3.31	145.90	0.89	1.24	1.00	0.01
3.32	146.38	0.90	1.20	1.00	0.01	3.33	145.94	0.89	1.24	1.00	0.01
3.34	143.92	0.84	1.43	1.00	0.01	3.35	142.24	0.81	1.62	1.00	0.02
3.36	139.18	0.75	2.05	1.00	0.02	3.37	137.49	0.73	2.29	1.00	0.02
3.38	135.90	0.70	2.32	1.00	0.02	3.39	133.28	0.66	2.37	1.00	0.02
3.40	131.92	0.64	2.40	1.00	0.02	3.41	129.29	0.61	2.45	1.00	0.02
3.42	127.46	0.59	2.49	1.00	0.02	3.43	123.40	0.55	2.58	1.00	0.03
3.44	121.23	0.53	2.63	1.00	0.03	3.45	116.61	0.49	2.74	1.00	0.03
3.46	115.46	0.48	2.77	1.00	0.03	3.47	116.56	0.49	2.74	1.00	0.03
3.48	116.91	0.49	2.73	1.00	0.03	3.49	120.10	0.52	2.65	1.00	0.03
3.50	120.35	0.52	2.65	1.00	0.03	3.51	121.30	0.53	2.62	1.00	0.03
3.52	120.78	0.52	2.64	1.00	0.03	3.53	119.66	0.51	2.66	1.00	0.03
3.54	118.36	0.50	2.69	1.00	0.03	3.55	116.94	0.49	2.73	1.00	0.03
3.56	114.93	0.48	2.78	1.00	0.03	3.57	113.94	0.47	2.81	1.00	0.03
3.58	112.05	0.46	2.86	1.00	0.03	3.59	111.39	0.45	2.87	1.00	0.03
3.60	110.26	0.44	2.90	1.00	0.03	3.61	108.79	0.44	2.95	1.00	0.03
3.62	108.54	0.43	2.95	1.00	0.03	3.63	107.86	0.43	2.97	1.00	0.03
3.64	108.92	0.44	2.94	1.00	0.03	3.65	109.33	0.44	2.93	1.00	0.03
3.66	109.45	0.44	2.93	1.00	0.03	3.67	109.12	0.44	2.94	1.00	0.03
3.68	107.51	0.43	2.98	1.00	0.03	3.69	106.75	0.42	3.00	1.00	0.03
3.70	105.94	0.42	3.03	1.00	0.03	3.71	104.52	0.41	3.07	1.00	0.03
3.72	104.39	0.41	3.07	1.00	0.03	3.73	103.50	0.40	3.10	1.00	0.03
3.74	104.06	0.41	3.08	1.00	0.03	3.75	104.38	0.41	3.07	1.00	0.03
3.76	105.05	0.41	3.05	1.00	0.03	3.77	105.83	0.42	3.03	1.00	0.03
3.78	106.20	0.42	3.02	1.00	0.03	3.79	107.82	0.43	2.97	1.00	0.03
3.80	108.20	0.43	2.96	1.00	0.03	3.81	109.83	0.44	2.92	1.00	0.03
3.82	110.89	0.44	2.89	1.00	0.03	3.83	110.53	0.44	2.90	1.00	0.03
3.84	111.47	0.45	2.87	1.00	0.03	3.85	110.44	0.44	2.90	1.00	0.03
3.86	110.25	0.44	2.90	1.00	0.03	3.87	110.37	0.44	2.90	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	108.50	0.43	2.95	1.00	0.03	3.89	109.34	0.43	2.93	1.00	0.03
3.90	107.72	0.42	2.98	1.00	0.03	3.91	108.50	0.43	2.95	1.00	0.03
3.92	105.62	0.41	3.04	1.00	0.03	3.93	96.79	0.37	3.32	1.00	0.03
3.94	92.93	0.35	3.46	1.00	0.03	3.95	93.24	0.35	3.45	1.00	0.03
3.96	93.39	0.35	3.44	1.00	0.03	3.97	94.05	0.35	3.42	1.00	0.03
3.98	94.73	0.36	3.39	1.00	0.03	3.99	95.47	0.36	3.37	1.00	0.03
4.00	98.54	0.37	3.26	1.00	0.03	4.01	96.45	0.36	3.33	1.00	0.03
4.02	98.56	0.37	3.26	1.00	0.03	4.03	96.08	0.36	3.35	1.00	0.03
4.04	96.02	0.36	3.35	1.00	0.03	4.05	95.39	0.36	3.37	1.00	0.03
4.06	92.54	0.35	3.48	1.00	0.03	4.07	91.17	0.34	3.53	1.00	0.04
4.08	88.95	0.33	3.61	1.00	0.04	4.09	87.68	0.33	3.67	1.00	0.04
4.10	85.92	0.32	3.74	1.00	0.04	4.11	85.16	0.32	3.77	1.00	0.04
4.12	82.38	0.31	3.90	1.00	0.04	4.13	79.35	0.30	4.04	1.00	0.04
4.14	77.08	0.29	4.15	1.00	0.04	4.15	72.83	0.28	4.38	1.00	0.04
4.16	71.76	0.28	4.44	1.00	0.04	4.17	69.59	0.27	4.57	1.00	0.05
4.18	72.15	0.28	4.42	1.00	0.04	4.19	81.83	0.31	3.92	1.00	0.04
4.20	86.64	0.32	3.71	1.00	0.04	4.21	93.08	0.35	3.45	1.00	0.03
4.22	95.17	0.35	3.38	1.00	0.03	4.23	97.64	0.36	3.29	1.00	0.03
4.24	98.74	0.37	3.26	1.00	0.03	4.25	100.06	0.37	3.21	1.00	0.03
4.26	100.69	0.38	3.19	1.00	0.03	4.27	101.67	0.38	3.16	1.00	0.03
4.28	102.75	0.39	3.12	1.00	0.03	4.29	102.46	0.39	3.13	1.00	0.03
4.30	101.47	0.38	3.17	1.00	0.03	4.31	100.92	0.38	3.18	1.00	0.03
4.32	99.65	0.37	3.22	1.00	0.03	4.33	99.94	0.37	3.21	1.00	0.03
4.34	100.27	0.37	3.20	1.00	0.03	4.35	99.56	0.37	3.23	1.00	0.03
4.36	100.25	0.37	3.20	1.00	0.03	4.37	100.13	0.37	3.21	1.00	0.03
4.38	101.70	0.38	3.16	1.00	0.03	4.39	102.14	0.38	3.14	1.00	0.03
4.40	103.33	0.39	3.11	1.00	0.03	4.41	103.86	0.39	3.09	1.00	0.03
4.42	103.94	0.39	3.09	1.00	0.03	4.43	103.96	0.39	3.09	1.00	0.03
4.44	103.54	0.39	3.10	1.00	0.03	4.45	103.14	0.39	3.11	1.00	0.03
4.46	102.98	0.39	3.12	1.00	0.03	4.47	102.07	0.38	3.15	1.00	0.03
4.48	101.92	0.38	3.15	1.00	0.03	4.49	101.50	0.38	3.16	1.00	0.03
4.50	101.41	0.38	3.17	1.00	0.03	4.51	101.63	0.38	3.16	1.00	0.03
4.52	101.30	0.38	3.17	1.00	0.03	4.53	101.51	0.38	3.16	1.00	0.03
4.54	101.14	0.38	3.18	1.00	0.03	4.55	101.22	0.38	3.17	1.00	0.03
4.56	101.20	0.38	3.17	1.00	0.03	4.57	100.88	0.37	3.18	1.00	0.03
4.58	100.67	0.37	3.19	1.00	0.03	4.59	100.60	0.37	3.19	1.00	0.03
4.60	100.04	0.37	3.21	1.00	0.03	4.61	99.78	0.37	3.22	1.00	0.03
4.62	99.27	0.37	3.24	1.00	0.03	4.63	98.76	0.36	3.25	1.00	0.03
4.64	98.31	0.36	3.27	1.00	0.03	4.65	97.53	0.36	3.30	1.00	0.03
4.66	96.67	0.35	3.33	1.00	0.03	4.67	96.00	0.35	3.35	1.00	0.03
4.68	95.10	0.35	3.38	1.00	0.03	4.69	94.86	0.35	3.39	1.00	0.03
4.70	94.05	0.34	3.42	1.00	0.03	4.71	93.79	0.34	3.43	1.00	0.03
4.72	91.81	0.33	3.50	1.00	0.04	4.73	91.09	0.33	3.53	1.00	0.04
4.74	87.06	0.32	3.69	1.00	0.04	4.75	87.17	0.32	3.69	1.00	0.04
4.76	87.47	0.32	3.67	1.00	0.04	4.77	95.35	0.35	3.37	1.00	0.03
4.78	98.83	0.36	3.25	1.00	0.03	4.79	101.72	0.37	3.16	1.00	0.03
4.80	105.48	0.39	3.04	1.00	0.03	4.81	106.33	0.40	3.02	1.00	0.03
4.82	106.84	0.40	3.00	1.00	0.03	4.83	106.33	0.40	3.02	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	104.21	0.39	3.08	1.00	0.03	4.85	102.61	0.38	3.13	1.00	0.03
4.86	99.50	0.36	3.23	1.00	0.03	4.87	97.86	0.36	3.28	1.00	0.03
4.88	96.32	0.35	3.34	1.00	0.03	4.89	92.87	0.34	3.46	1.00	0.03
4.90	90.84	0.33	3.54	1.00	0.04	4.91	90.79	0.33	3.54	1.00	0.04
4.92	90.73	0.33	3.54	1.00	0.04	4.93	81.67	0.30	3.93	1.00	0.04
4.94	79.62	0.29	4.03	1.00	0.04	4.95	80.26	0.29	4.00	1.00	0.04
4.96	83.97	0.30	3.83	1.00	0.04	4.97	94.31	0.34	3.41	1.00	0.03
4.98	95.66	0.35	3.36	1.00	0.03	4.99	98.81	0.36	3.25	1.00	0.03
5.00	101.23	0.37	3.17	1.00	0.03	5.01	95.05	0.34	3.38	1.00	0.03
5.02	92.43	0.33	3.48	1.00	0.03	5.03	91.80	0.33	3.50	1.00	0.04
5.04	89.93	0.32	3.58	1.00	0.04	5.05	89.91	0.32	3.58	1.00	0.04
5.06	89.85	0.32	3.58	1.00	0.04	5.07	92.63	0.33	3.47	1.00	0.03
5.08	93.67	0.34	3.43	1.00	0.03	5.09	94.48	0.34	3.40	1.00	0.03
5.10	96.99	0.35	3.31	1.00	0.03	5.11	98.75	0.36	3.25	1.00	0.03
5.12	103.17	0.38	3.11	1.00	0.03	5.13	103.38	0.38	3.11	1.00	0.03
5.14	104.01	0.38	3.09	1.00	0.03	5.15	102.82	0.37	3.12	1.00	0.03
5.16	101.00	0.37	3.18	1.00	0.03	5.17	99.13	0.36	3.24	1.00	0.03
5.18	97.94	0.35	3.28	1.00	0.03	5.19	94.46	0.34	3.40	1.00	0.03
5.20	93.01	0.33	3.46	1.00	0.03	5.21	91.33	0.33	3.52	1.00	0.04
5.22	87.00	0.31	3.69	1.00	0.04	5.23	84.93	0.30	3.78	1.00	0.04
5.24	82.82	0.30	3.88	1.00	0.04	5.25	79.79	0.29	4.02	1.00	0.04
5.26	78.14	0.28	4.10	1.00	0.04	5.27	77.79	0.28	4.12	1.00	0.04
5.28	77.83	0.28	4.12	1.00	0.04	5.29	77.34	0.28	4.14	1.00	0.04
5.30	79.13	0.29	4.05	1.00	0.04	5.31	75.86	0.28	4.22	1.00	0.04
5.32	76.83	0.28	4.17	1.00	0.04	5.33	68.58	0.26	4.64	1.00	0.05
5.34	70.60	0.26	4.51	1.00	0.05	5.35	71.28	0.27	4.47	1.00	0.04
5.36	75.49	0.28	4.24	1.00	0.04	5.37	76.88	0.28	4.16	1.00	0.04
5.38	78.69	0.28	4.07	1.00	0.04	5.39	78.76	0.28	4.07	1.00	0.04
5.40	78.61	0.28	4.08	1.00	0.04	5.41	76.71	0.28	4.17	1.00	0.04
5.42	75.86	0.28	4.22	1.00	0.04	5.43	74.07	0.27	4.31	1.00	0.04
5.44	73.34	0.27	4.36	1.00	0.04	5.45	71.55	0.27	4.46	1.00	0.04
5.46	70.57	0.26	4.51	1.00	0.05	5.47	68.33	0.26	4.65	1.00	0.05
5.48	68.31	0.26	4.65	1.00	0.05	5.49	71.97	0.27	4.43	1.00	0.04
5.50	76.88	0.28	4.16	1.00	0.04	5.51	88.39	0.31	3.64	1.00	0.04
5.52	86.02	0.30	3.74	1.00	0.04	5.53	91.24	0.32	3.52	1.00	0.04
5.54	91.52	0.32	3.51	1.00	0.04	5.55	89.46	0.32	3.59	1.00	0.04
5.56	89.84	0.32	3.58	1.00	0.04	5.57	86.41	0.31	3.72	1.00	0.04
5.58	86.97	0.31	3.70	1.00	0.04	5.59	86.71	0.31	3.71	1.00	0.04
5.60	85.95	0.30	3.74	1.00	0.04	5.61	87.09	0.31	3.69	1.00	0.04
5.62	84.18	0.30	3.82	1.00	0.04	5.63	82.16	0.29	3.91	1.00	0.04
5.64	24.27	2.00	0.00	1.00	0.00	5.65	22.68	2.00	0.00	1.00	0.00
5.66	81.69	0.29	3.93	1.00	0.04	5.67	93.94	0.33	3.42	1.00	0.03
5.68	97.57	0.35	3.29	1.00	0.03	5.69	98.70	0.35	3.26	1.00	0.03
5.70	101.95	0.36	3.15	1.00	0.03	5.71	96.89	0.34	3.32	1.00	0.03
5.72	96.19	0.34	3.34	1.00	0.03	5.73	95.25	0.34	3.38	1.00	0.03
5.74	93.79	0.33	3.43	1.00	0.03	5.75	94.01	0.33	3.42	1.00	0.03
5.76	94.33	0.33	3.41	1.00	0.03	5.77	93.50	0.33	3.44	1.00	0.03
5.78	94.28	0.33	3.41	1.00	0.03	5.79	92.36	0.32	3.48	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	91.73	0.32	3.51	1.00	0.04	5.81	92.57	0.33	3.47	1.00	0.03
5.82	91.16	0.32	3.53	1.00	0.04	5.83	93.53	0.33	3.44	1.00	0.03
5.84	89.32	0.31	3.60	1.00	0.04	5.85	87.83	0.31	3.66	1.00	0.04
5.86	86.56	0.30	3.71	1.00	0.04	5.87	81.42	0.29	3.94	1.00	0.04
5.88	79.86	0.28	4.02	1.00	0.04	5.89	18.39	2.00	0.00	1.00	0.00
5.90	16.55	2.00	0.00	1.00	0.00	5.91	16.54	2.00	0.00	1.00	0.00
5.92	16.52	2.00	0.00	1.00	0.00	5.93	11.90	2.00	0.00	1.00	0.00
5.94	10.91	2.00	0.00	1.00	0.00	5.95	10.05	2.00	0.00	1.00	0.00
5.96	10.41	2.00	0.00	1.00	0.00	5.97	9.92	2.00	0.00	1.00	0.00
5.98	7.83	2.00	0.00	1.00	0.00	5.99	7.58	2.00	0.00	1.00	0.00
6.00	9.90	2.00	0.00	1.00	0.00	6.01	23.03	2.00	0.00	1.00	0.00
6.02	90.17	0.32	3.57	1.00	0.04	6.03	89.57	0.31	3.59	1.00	0.04
6.04	89.29	0.31	3.60	1.00	0.04	6.05	88.23	0.31	3.64	1.00	0.04
6.06	86.74	0.30	3.71	1.00	0.04	6.07	85.09	0.30	3.78	1.00	0.04
6.08	83.92	0.29	3.83	1.00	0.04	6.09	81.89	0.29	3.92	1.00	0.04
6.10	80.06	0.28	4.01	1.00	0.04	6.11	77.60	0.28	4.13	1.00	0.04
6.12	76.24	0.27	4.20	1.00	0.04	6.13	75.49	0.27	4.24	1.00	0.04
6.14	77.56	0.28	4.13	1.00	0.04	6.15	79.57	0.28	4.03	1.00	0.04
6.16	82.15	0.29	3.91	1.00	0.04	6.17	79.85	0.28	4.02	1.00	0.04
6.18	78.09	0.28	4.10	1.00	0.04	6.19	76.27	0.27	4.20	1.00	0.04
6.20	76.30	0.27	4.19	1.00	0.04	6.21	71.87	0.26	4.44	1.00	0.04
6.22	70.81	0.26	4.50	1.00	0.05	6.23	69.83	0.26	4.56	1.00	0.05
6.24	12.81	2.00	0.00	1.00	0.00	6.25	11.59	2.00	0.00	1.00	0.00
6.26	10.73	2.00	0.00	1.00	0.00	6.27	9.63	2.00	0.00	1.00	0.00
6.28	9.27	2.00	0.00	1.00	0.00	6.29	8.90	2.00	0.00	1.00	0.00
6.30	7.93	2.00	0.00	1.00	0.00	6.31	7.69	2.00	0.00	1.00	0.00
6.32	7.20	2.00	0.00	1.00	0.00	6.33	6.59	2.00	0.00	1.00	0.00
6.34	6.47	2.00	0.00	1.00	0.00	6.35	6.46	2.00	0.00	1.00	0.00
6.36	6.58	2.00	0.00	1.00	0.00	6.37	6.58	2.00	0.00	1.00	0.00
6.38	6.45	2.00	0.00	1.00	0.00	6.39	6.45	2.00	0.00	1.00	0.00
6.40	6.09	2.00	0.00	1.00	0.00	6.41	6.08	2.00	0.00	1.00	0.00
6.42	5.96	2.00	0.00	1.00	0.00	6.43	5.96	2.00	0.00	1.00	0.00
6.44	5.71	2.00	0.00	1.00	0.00	6.45	5.71	2.00	0.00	1.00	0.00
6.46	5.71	2.00	0.00	1.00	0.00	6.47	5.71	2.00	0.00	1.00	0.00
6.48	5.82	2.00	0.00	1.00	0.00	6.49	5.82	2.00	0.00	1.00	0.00
6.50	5.82	2.00	0.00	1.00	0.00	6.51	5.94	2.00	0.00	1.00	0.00
6.52	5.93	2.00	0.00	1.00	0.00	6.53	6.05	2.00	0.00	1.00	0.00
6.54	6.05	2.00	0.00	1.00	0.00	6.55	6.05	2.00	0.00	1.00	0.00
6.56	6.04	2.00	0.00	1.00	0.00	6.57	6.16	2.00	0.00	1.00	0.00
6.58	6.28	2.00	0.00	1.00	0.00	6.59	6.51	2.00	0.00	1.00	0.00
6.60	6.75	2.00	0.00	1.00	0.00	6.61	6.75	2.00	0.00	1.00	0.00
6.62	6.75	2.00	0.00	1.00	0.00	6.63	6.62	2.00	0.00	1.00	0.00
6.64	6.14	2.00	0.00	1.00	0.00	6.65	6.14	2.00	0.00	1.00	0.00
6.66	6.02	2.00	0.00	1.00	0.00	6.67	6.02	2.00	0.00	1.00	0.00
6.68	6.13	2.00	0.00	1.00	0.00	6.69	6.13	2.00	0.00	1.00	0.00
6.70	6.25	2.00	0.00	1.00	0.00	6.71	6.48	2.00	0.00	1.00	0.00
6.72	7.55	2.00	0.00	1.00	0.00	6.73	62.88	0.24	5.02	1.00	0.05
6.74	73.06	0.26	4.37	1.00	0.04	6.75	64.70	0.24	4.89	1.00	0.05



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	60.11	0.23	5.23	1.00	0.05	6.77	66.18	0.25	4.79	1.00	0.05
6.78	73.73	0.26	4.33	1.00	0.04	6.79	81.98	0.28	3.92	1.00	0.04
6.80	82.93	0.29	3.87	1.00	0.04	6.81	79.81	0.28	4.02	1.00	0.04
6.82	75.91	0.27	4.22	1.00	0.04	6.83	71.46	0.26	4.46	1.00	0.04
6.84	72.98	0.26	4.38	1.00	0.04	6.85	86.58	0.30	3.71	1.00	0.04
6.86	91.55	0.31	3.51	1.00	0.04	6.87	86.69	0.30	3.71	1.00	0.04
6.88	85.70	0.29	3.75	1.00	0.04	6.89	83.59	0.29	3.84	1.00	0.04
6.90	19.70	2.00	0.00	1.00	0.00	6.91	19.67	2.00	0.00	1.00	0.00
6.92	19.65	2.00	0.00	1.00	0.00	6.93	15.27	2.00	0.00	1.00	0.00
6.94	14.44	2.00	0.00	1.00	0.00	6.95	13.62	2.00	0.00	1.00	0.00
6.96	11.76	2.00	0.00	1.00	0.00	6.97	10.82	2.00	0.00	1.00	0.00
6.98	10.12	2.00	0.00	1.00	0.00	6.99	9.42	2.00	0.00	1.00	0.00
7.00	9.29	2.00	0.00	1.00	0.00	7.01	9.06	2.00	0.00	1.00	0.00
7.02	9.05	2.00	0.00	1.00	0.00	7.03	9.16	2.00	0.00	1.00	0.00
7.04	9.27	2.00	0.00	1.00	0.00	7.05	9.27	2.00	0.00	1.00	0.00
7.06	9.15	2.00	0.00	1.00	0.00	7.07	8.91	2.00	0.00	1.00	0.00
7.08	8.21	2.00	0.00	1.00	0.00	7.09	7.86	2.00	0.00	1.00	0.00
7.10	7.51	2.00	0.00	1.00	0.00	7.11	6.92	2.00	0.00	1.00	0.00
7.12	6.80	2.00	0.00	1.00	0.00	7.13	6.68	2.00	0.00	1.00	0.00
7.14	6.22	2.00	0.00	1.00	0.00	7.15	5.98	2.00	0.00	1.00	0.00
7.16	5.98	2.00	0.00	1.00	0.00	7.17	5.98	2.00	0.00	1.00	0.00
7.18	6.09	2.00	0.00	1.00	0.00	7.19	6.21	2.00	0.00	1.00	0.00
7.20	6.56	2.00	0.00	1.00	0.00	7.21	7.02	2.00	0.00	1.00	0.00
7.22	7.37	2.00	0.00	1.00	0.00	7.23	7.83	2.00	0.00	1.00	0.00
7.24	8.76	2.00	0.00	1.00	0.00	7.25	9.11	2.00	0.00	1.00	0.00
7.26	9.10	2.00	0.00	1.00	0.00	7.27	8.17	2.00	0.00	1.00	0.00
7.28	7.59	2.00	0.00	1.00	0.00	7.29	7.24	2.00	0.00	1.00	0.00
7.30	6.65	2.00	0.00	1.00	0.00	7.31	6.30	2.00	0.00	1.00	0.00
7.32	6.06	2.00	0.00	1.00	0.00	7.33	5.95	2.00	0.00	1.00	0.00
7.34	5.94	2.00	0.00	1.00	0.00	7.35	5.94	2.00	0.00	1.00	0.00
7.36	5.94	2.00	0.00	1.00	0.00	7.37	5.94	2.00	0.00	1.00	0.00
7.38	5.94	2.00	0.00	1.00	0.00	7.39	5.93	2.00	0.00	1.00	0.00
7.40	5.93	2.00	0.00	1.00	0.00	7.41	5.93	2.00	0.00	1.00	0.00
7.42	5.93	2.00	0.00	1.00	0.00	7.43	5.92	2.00	0.00	1.00	0.00
7.44	5.92	2.00	0.00	1.00	0.00	7.45	5.92	2.00	0.00	1.00	0.00
7.46	5.92	2.00	0.00	1.00	0.00	7.47	5.92	2.00	0.00	1.00	0.00
7.48	5.91	2.00	0.00	1.00	0.00	7.49	5.80	2.00	0.00	1.00	0.00
7.50	5.80	2.00	0.00	1.00	0.00	7.51	5.91	2.00	0.00	1.00	0.00
7.52	5.91	2.00	0.00	1.00	0.00	7.53	5.90	2.00	0.00	1.00	0.00
7.54	5.90	2.00	0.00	1.00	0.00	7.55	5.90	2.00	0.00	1.00	0.00
7.56	5.90	2.00	0.00	1.00	0.00	7.57	6.01	2.00	0.00	1.00	0.00
7.58	6.01	2.00	0.00	1.00	0.00	7.59	6.12	2.00	0.00	1.00	0.00
7.60	6.12	2.00	0.00	1.00	0.00	7.61	6.12	2.00	0.00	1.00	0.00
7.62	6.12	2.00	0.00	1.00	0.00	7.63	6.12	2.00	0.00	1.00	0.00
7.64	6.12	2.00	0.00	1.00	0.00	7.65	6.11	2.00	0.00	1.00	0.00
7.66	6.11	2.00	0.00	1.00	0.00	7.67	6.11	2.00	0.00	1.00	0.00
7.68	6.22	2.00	0.00	1.00	0.00	7.69	6.33	2.00	0.00	1.00	0.00
7.70	6.45	2.00	0.00	1.00	0.00	7.71	6.56	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	6.79	2.00	0.00	1.00	0.00	7.73	6.79	2.00	0.00	1.00	0.00
7.74	6.67	2.00	0.00	1.00	0.00	7.75	6.67	2.00	0.00	1.00	0.00
7.76	6.44	2.00	0.00	1.00	0.00	7.77	6.43	2.00	0.00	1.00	0.00
7.78	6.43	2.00	0.00	1.00	0.00	7.79	6.43	2.00	0.00	1.00	0.00
7.80	6.43	2.00	0.00	1.00	0.00	7.81	6.54	2.00	0.00	1.00	0.00
7.82	7.69	2.00	0.00	1.00	0.00	7.83	63.11	0.23	5.00	1.00	0.05
7.84	62.54	0.23	5.04	1.00	0.05	7.85	67.75	0.24	4.69	1.00	0.05
7.86	60.63	0.23	5.19	1.00	0.05	7.87	54.78	0.22	5.67	1.00	0.06
7.88	55.12	0.22	5.64	1.00	0.06	7.89	54.10	0.22	5.73	1.00	0.06
7.90	58.88	0.23	5.32	1.00	0.05	7.91	58.69	0.22	5.34	1.00	0.05
7.92	58.64	0.22	5.34	1.00	0.05	7.93	61.89	0.23	5.09	1.00	0.05
7.94	65.67	0.24	4.82	1.00	0.05	7.95	67.27	0.24	4.72	1.00	0.05
7.96	68.54	0.24	4.64	1.00	0.05	7.97	70.78	0.25	4.50	1.00	0.05
7.98	70.96	0.25	4.49	1.00	0.04	7.99	70.50	0.25	4.52	1.00	0.05
8.00	69.49	0.25	4.58	1.00	0.05	8.01	66.54	0.24	4.77	1.00	0.05
8.02	65.75	0.24	4.82	1.00	0.05	8.03	63.99	0.24	4.94	1.00	0.05
8.04	63.09	0.23	5.00	1.00	0.05	8.05	62.20	0.23	5.07	1.00	0.05
8.06	60.71	0.23	5.18	1.00	0.05	8.07	60.99	0.23	5.16	1.00	0.05
8.08	65.29	0.24	4.85	1.00	0.05	8.09	69.76	0.25	4.56	1.00	0.05
8.10	75.21	0.26	4.25	1.00	0.04	8.11	77.57	0.27	4.13	1.00	0.04
8.12	78.84	0.27	4.07	1.00	0.04	8.13	79.77	0.27	4.02	1.00	0.04
8.14	80.84	0.27	3.97	1.00	0.04	8.15	82.30	0.28	3.90	1.00	0.04
8.16	83.43	0.28	3.85	1.00	0.04	8.17	84.21	0.28	3.81	1.00	0.04
8.18	85.83	0.29	3.74	1.00	0.04	8.19	86.76	0.29	3.70	1.00	0.04
8.20	88.25	0.30	3.64	1.00	0.04	8.21	88.73	0.30	3.62	1.00	0.04
8.22	89.00	0.30	3.61	1.00	0.04	8.23	89.82	0.30	3.58	1.00	0.04
8.24	90.59	0.30	3.55	1.00	0.04	8.25	91.25	0.31	3.52	1.00	0.04
8.26	90.54	0.30	3.55	1.00	0.04	8.27	88.55	0.30	3.63	1.00	0.04
8.28	85.67	0.29	3.75	1.00	0.04	8.29	83.22	0.28	3.86	1.00	0.04
8.30	80.46	0.27	3.99	1.00	0.04	8.31	77.19	0.27	4.15	1.00	0.04
8.32	74.41	0.26	4.30	1.00	0.04	8.33	72.76	0.25	4.39	1.00	0.04
8.34	75.40	0.26	4.24	1.00	0.04	8.35	78.88	0.27	4.06	1.00	0.04
8.36	83.00	0.28	3.87	1.00	0.04	8.37	86.31	0.29	3.72	1.00	0.04
8.38	86.65	0.29	3.71	1.00	0.04	8.39	87.45	0.29	3.68	1.00	0.04
8.40	86.92	0.29	3.70	1.00	0.04	8.41	85.49	0.29	3.76	1.00	0.04
8.42	83.83	0.28	3.83	1.00	0.04	8.43	80.50	0.27	3.99	1.00	0.04
8.44	76.85	0.26	4.17	1.00	0.04	8.45	75.17	0.26	4.25	1.00	0.04
8.46	77.87	0.27	4.11	1.00	0.04	8.47	81.31	0.28	3.95	1.00	0.04
8.48	84.64	0.29	3.80	1.00	0.04	8.49	87.25	0.29	3.68	1.00	0.04
8.50	89.55	0.30	3.59	1.00	0.04	8.51	91.04	0.30	3.53	1.00	0.04
8.52	92.51	0.31	3.48	1.00	0.03	8.53	93.95	0.31	3.42	1.00	0.03
8.54	94.78	0.32	3.39	1.00	0.03	8.55	95.25	0.32	3.38	1.00	0.03
8.56	97.19	0.33	3.31	1.00	0.03	8.57	97.61	0.33	3.29	1.00	0.03
8.58	98.56	0.33	3.26	1.00	0.03	8.59	100.15	0.34	3.21	1.00	0.03
8.60	100.60	0.34	3.19	1.00	0.03	8.61	101.90	0.35	3.15	1.00	0.03
8.62	102.12	0.35	3.14	1.00	0.03	8.63	101.51	0.34	3.16	1.00	0.03
8.64	100.87	0.34	3.18	1.00	0.03	8.65	98.85	0.33	3.25	1.00	0.03
8.66	96.04	0.32	3.35	1.00	0.03	8.67	91.98	0.31	3.50	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	88.40	0.30	3.64	1.00	0.04	8.69	83.16	0.28	3.86	1.00	0.04
8.70	77.29	0.27	4.14	1.00	0.04	8.71	71.59	0.25	4.45	1.00	0.04
8.72	67.73	0.24	4.69	1.00	0.05	8.73	64.16	0.24	4.93	1.00	0.05
8.74	61.82	0.23	5.10	1.00	0.05	8.75	61.39	0.23	5.13	1.00	0.05
8.76	63.61	0.23	4.97	1.00	0.05	8.77	64.29	0.24	4.92	1.00	0.05
8.78	65.62	0.24	4.83	1.00	0.05	8.79	68.76	0.25	4.62	1.00	0.05
8.80	71.94	0.25	4.43	1.00	0.04	8.81	76.10	0.26	4.21	1.00	0.04
8.82	81.14	0.28	3.95	1.00	0.04	8.83	88.42	0.30	3.64	1.00	0.04
8.84	86.86	0.29	3.70	1.00	0.04	8.85	89.18	0.30	3.61	1.00	0.04
8.86	88.79	0.30	3.62	1.00	0.04	8.87	85.19	0.29	3.77	1.00	0.04
8.88	85.16	0.29	3.77	1.00	0.04	8.89	86.06	0.29	3.73	1.00	0.04
8.90	81.94	0.28	3.92	1.00	0.04	8.91	83.11	0.28	3.86	1.00	0.04
8.92	83.39	0.28	3.85	1.00	0.04	8.93	23.21	2.00	0.00	1.00	0.00
8.94	22.87	2.00	0.00	1.00	0.00	8.95	22.11	2.00	0.00	1.00	0.00
8.96	22.10	2.00	0.00	1.00	0.00	8.97	22.30	2.00	0.00	1.00	0.00
8.98	22.40	2.00	0.00	1.00	0.00	8.99	22.17	2.00	0.00	1.00	0.00
9.00	21.74	2.00	0.00	1.00	0.00	9.01	21.09	2.00	0.00	1.00	0.00
9.02	20.55	2.00	0.00	1.00	0.00	9.03	20.01	2.00	0.00	1.00	0.00
9.04	19.89	2.00	0.00	1.00	0.00	9.05	19.67	2.00	0.00	1.00	0.00
9.06	19.55	2.00	0.00	1.00	0.00	9.07	19.65	2.00	0.00	1.00	0.00
9.08	19.53	2.00	0.00	1.00	0.00	9.09	19.52	2.00	0.00	1.00	0.00
9.10	19.72	2.00	0.00	1.00	0.00	9.11	19.82	2.00	0.00	1.00	0.00
9.12	19.81	2.00	0.00	1.00	0.00	9.13	19.80	2.00	0.00	1.00	0.00
9.14	19.90	2.00	0.00	1.00	0.00	9.15	19.89	2.00	0.00	1.00	0.00
9.16	19.77	2.00	0.00	1.00	0.00	9.17	19.66	2.00	0.00	1.00	0.00
9.18	19.65	2.00	0.00	1.00	0.00	9.19	19.21	2.00	0.00	1.00	0.00
9.20	19.10	2.00	0.00	1.00	0.00	9.21	18.77	2.00	0.00	1.00	0.00
9.22	18.66	2.00	0.00	1.00	0.00	9.23	18.65	2.00	0.00	1.00	0.00
9.24	18.22	2.00	0.00	1.00	0.00	9.25	18.11	2.00	0.00	1.00	0.00
9.26	18.10	2.00	0.00	1.00	0.00	9.27	17.88	2.00	0.00	1.00	0.00
9.28	17.55	2.00	0.00	1.00	0.00	9.29	17.44	2.00	0.00	1.00	0.00
9.30	17.43	2.00	0.00	1.00	0.00	9.31	17.53	2.00	0.00	1.00	0.00
9.32	17.52	2.00	0.00	1.00	0.00	9.33	17.83	2.00	0.00	1.00	0.00
9.34	17.92	2.00	0.00	1.00	0.00	9.35	18.12	2.00	0.00	1.00	0.00
9.36	18.53	2.00	0.00	1.00	0.00	9.37	18.63	2.00	0.00	1.00	0.00
9.38	19.14	2.00	0.00	1.00	0.00	9.39	19.34	2.00	0.00	1.00	0.00
9.40	19.33	2.00	0.00	1.00	0.00	9.41	18.91	2.00	0.00	1.00	0.00
9.42	19.00	2.00	0.00	1.00	0.00	9.43	18.89	2.00	0.00	1.00	0.00
9.44	18.78	2.00	0.00	1.00	0.00	9.45	18.87	2.00	0.00	1.00	0.00
9.46	19.49	2.00	0.00	1.00	0.00	9.47	19.79	2.00	0.00	1.00	0.00
9.48	20.09	2.00	0.00	1.00	0.00	9.49	20.81	2.00	0.00	1.00	0.00
9.50	21.01	2.00	0.00	1.00	0.00	9.51	21.21	2.00	0.00	1.00	0.00
9.52	20.99	2.00	0.00	1.00	0.00	9.53	20.87	2.00	0.00	1.00	0.00
9.54	21.17	2.00	0.00	1.00	0.00	9.55	21.79	2.00	0.00	1.00	0.00
9.56	21.78	2.00	0.00	1.00	0.00	9.57	22.49	2.00	0.00	1.00	0.00
9.58	23.31	2.00	0.00	1.00	0.00	9.59	24.12	2.00	0.00	1.00	0.00
9.60	26.17	2.00	0.00	1.00	0.00	9.61	27.50	2.00	0.00	1.00	0.00
9.62	88.25	0.30	3.64	1.00	0.04	9.63	90.13	0.30	3.57	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	91.27	0.31	3.52	1.00	0.04	9.65	92.51	0.31	3.48	1.00	0.03
9.66	93.58	0.32	3.44	1.00	0.03	9.67	93.00	0.31	3.46	1.00	0.03
9.68	92.12	0.31	3.49	1.00	0.03	9.69	31.09	2.00	0.00	1.00	0.00
9.70	28.10	2.00	0.00	1.00	0.00	9.71	27.77	2.00	0.00	1.00	0.00
9.72	26.94	2.00	0.00	1.00	0.00	9.73	25.90	2.00	0.00	1.00	0.00
9.74	25.58	2.00	0.00	1.00	0.00	9.75	24.95	2.00	0.00	1.00	0.00
9.76	23.70	2.00	0.00	1.00	0.00	9.77	23.38	2.00	0.00	1.00	0.00
9.78	22.45	2.00	0.00	1.00	0.00	9.79	21.62	2.00	0.00	1.00	0.00
9.80	20.89	2.00	0.00	1.00	0.00	9.81	20.47	2.00	0.00	1.00	0.00
9.82	20.46	2.00	0.00	1.00	0.00	9.83	20.25	2.00	0.00	1.00	0.00
9.84	19.11	2.00	0.00	1.00	0.00	9.85	18.39	2.00	0.00	1.00	0.00
9.86	17.87	2.00	0.00	1.00	0.00	9.87	17.65	2.00	0.00	1.00	0.00
9.88	17.24	2.00	0.00	1.00	0.00	9.89	16.51	2.00	0.00	1.00	0.00
9.90	16.10	2.00	0.00	1.00	0.00	9.91	16.09	2.00	0.00	1.00	0.00
9.92	16.08	2.00	0.00	1.00	0.00	9.93	16.79	2.00	0.00	1.00	0.00
9.94	16.58	2.00	0.00	1.00	0.00	9.95	16.16	2.00	0.00	1.00	0.00
9.96	15.85	2.00	0.00	1.00	0.00	9.97	15.84	2.00	0.00	1.00	0.00
9.98	15.73	2.00	0.00	1.00	0.00	9.99	15.93	2.00	0.00	1.00	0.00
10.00	16.13	2.00	0.00	1.00	0.00	10.01	16.33	2.00	0.00	1.00	0.00
10.02	16.22	2.00	0.00	1.00	0.00	10.03	16.11	2.00	0.00	1.00	0.00
10.04	16.20	2.00	0.00	1.00	0.00	10.05	16.50	2.00	0.00	1.00	0.00
10.06	16.70	2.00	0.00	1.00	0.00	10.07	16.79	2.00	0.00	1.00	0.00
10.08	16.89	2.00	0.00	1.00	0.00	10.09	16.88	2.00	0.00	1.00	0.00
10.10	16.57	2.00	0.00	1.00	0.00	10.11	16.66	2.00	0.00	1.00	0.00
10.12	16.85	2.00	0.00	1.00	0.00	10.13	17.35	2.00	0.00	1.00	0.00
10.14	17.24	2.00	0.00	1.00	0.00	10.15	17.34	2.00	0.00	1.00	0.00
10.16	17.43	2.00	0.00	1.00	0.00	10.17	17.52	2.00	0.00	1.00	0.00
10.18	18.02	2.00	0.00	1.00	0.00	10.19	18.22	2.00	0.00	1.00	0.00
10.20	18.31	2.00	0.00	1.00	0.00	10.21	18.10	2.00	0.00	1.00	0.00
10.22	18.09	2.00	0.00	1.00	0.00	10.23	17.98	2.00	0.00	1.00	0.00
10.24	17.97	2.00	0.00	1.00	0.00	10.25	17.96	2.00	0.00	1.00	0.00
10.26	18.06	2.00	0.00	1.00	0.00	10.27	18.35	2.00	0.00	1.00	0.00
10.28	18.75	2.00	0.00	1.00	0.00	10.29	18.94	2.00	0.00	1.00	0.00
10.30	19.13	2.00	0.00	1.00	0.00	10.31	19.52	2.00	0.00	1.00	0.00
10.32	19.62	2.00	0.00	1.00	0.00	10.33	20.71	2.00	0.00	1.00	0.00
10.34	21.10	2.00	0.00	1.00	0.00	10.35	21.49	2.00	0.00	1.00	0.00
10.36	21.68	2.00	0.00	1.00	0.00	10.37	21.67	2.00	0.00	1.00	0.00
10.38	21.66	2.00	0.00	1.00	0.00	10.39	21.65	2.00	0.00	1.00	0.00
10.40	21.64	2.00	0.00	1.00	0.00	10.41	21.13	2.00	0.00	1.00	0.00
10.42	20.72	2.00	0.00	1.00	0.00	10.43	20.01	2.00	0.00	1.00	0.00
10.44	19.70	2.00	0.00	1.00	0.00	10.45	19.50	2.00	0.00	1.00	0.00
10.46	19.39	2.00	0.00	1.00	0.00	10.47	19.58	2.00	0.00	1.00	0.00
10.48	19.57	2.00	0.00	1.00	0.00	10.49	19.56	2.00	0.00	1.00	0.00
10.50	19.55	2.00	0.00	1.00	0.00	10.51	19.54	2.00	0.00	1.00	0.00
10.52	19.33	2.00	0.00	1.00	0.00	10.53	19.32	2.00	0.00	1.00	0.00
10.54	19.61	2.00	0.00	1.00	0.00	10.55	20.00	2.00	0.00	1.00	0.00
10.56	20.49	2.00	0.00	1.00	0.00	10.57	20.98	2.00	0.00	1.00	0.00
10.58	20.47	2.00	0.00	1.00	0.00	10.59	20.76	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	20.45	2.00	0.00	1.00	0.00	10.61	20.24	2.00	0.00	1.00	0.00
10.62	20.03	2.00	0.00	1.00	0.00	10.63	20.03	2.00	0.00	1.00	0.00
10.64	20.02	2.00	0.00	1.00	0.00	10.65	20.11	2.00	0.00	1.00	0.00
10.66	20.20	2.00	0.00	1.00	0.00	10.67	20.68	2.00	0.00	1.00	0.00
10.68	21.36	2.00	0.00	1.00	0.00	10.69	21.35	2.00	0.00	1.00	0.00
10.70	21.74	2.00	0.00	1.00	0.00	10.71	22.02	2.00	0.00	1.00	0.00
10.72	22.80	2.00	0.00	1.00	0.00	10.73	22.60	2.00	0.00	1.00	0.00
10.74	22.59	2.00	0.00	1.00	0.00	10.75	22.67	2.00	0.00	1.00	0.00
10.76	22.86	2.00	0.00	1.00	0.00	10.77	23.24	2.00	0.00	1.00	0.00
10.78	23.53	2.00	0.00	1.00	0.00	10.79	23.52	2.00	0.00	1.00	0.00
10.80	23.51	2.00	0.00	1.00	0.00	10.81	23.69	2.00	0.00	1.00	0.00
10.82	23.88	2.00	0.00	1.00	0.00	10.83	24.06	2.00	0.00	1.00	0.00
10.84	24.15	2.00	0.00	1.00	0.00	10.85	24.53	2.00	0.00	1.00	0.00
10.86	25.01	2.00	0.00	1.00	0.00	10.87	24.61	2.00	0.00	1.00	0.00
10.88	23.52	2.00	0.00	1.00	0.00	10.89	23.80	2.00	0.00	1.00	0.00
10.90	23.40	2.00	0.00	1.00	0.00	10.91	23.39	2.00	0.00	1.00	0.00
10.92	23.37	2.00	0.00	1.00	0.00	10.93	24.24	2.00	0.00	1.00	0.00
10.94	22.08	2.00	0.00	1.00	0.00	10.95	22.07	2.00	0.00	1.00	0.00
10.96	21.08	2.00	0.00	1.00	0.00	10.97	20.39	2.00	0.00	1.00	0.00
10.98	19.50	2.00	0.00	1.00	0.00	10.99	19.10	2.00	0.00	1.00	0.00
11.00	18.31	2.00	0.00	1.00	0.00	11.01	17.62	2.00	0.00	1.00	0.00
11.02	16.74	2.00	0.00	1.00	0.00	11.03	16.44	2.00	0.00	1.00	0.00
11.04	16.14	2.00	0.00	1.00	0.00	11.05	15.84	2.00	0.00	1.00	0.00
11.06	15.34	2.00	0.00	1.00	0.00	11.07	15.04	2.00	0.00	1.00	0.00
11.08	14.84	2.00	0.00	1.00	0.00	11.09	14.64	2.00	0.00	1.00	0.00
11.10	14.63	2.00	0.00	1.00	0.00	11.11	14.72	2.00	0.00	1.00	0.00
11.12	14.91	2.00	0.00	1.00	0.00	11.13	15.39	2.00	0.00	1.00	0.00
11.14	15.77	2.00	0.00	1.00	0.00	11.15	16.25	2.00	0.00	1.00	0.00
11.16	17.40	2.00	0.00	1.00	0.00	11.17	18.17	2.00	0.00	1.00	0.00
11.18	19.52	2.00	0.00	1.00	0.00	11.19	19.99	2.00	0.00	1.00	0.00
11.20	20.47	2.00	0.00	1.00	0.00	11.21	21.43	2.00	0.00	1.00	0.00
11.22	21.71	2.00	0.00	1.00	0.00	11.23	22.09	2.00	0.00	1.00	0.00
11.24	22.08	2.00	0.00	1.00	0.00	11.25	22.26	2.00	0.00	1.00	0.00
11.26	22.64	2.00	0.00	1.00	0.00	11.27	22.53	2.00	0.00	1.00	0.00
11.28	23.01	2.00	0.00	1.00	0.00	11.29	23.19	2.00	0.00	1.00	0.00
11.30	23.47	2.00	0.00	1.00	0.00	11.31	23.66	2.00	0.00	1.00	0.00
11.32	23.26	2.00	0.00	1.00	0.00	11.33	23.15	2.00	0.00	1.00	0.00
11.34	23.34	2.00	0.00	1.00	0.00	11.35	23.62	2.00	0.00	1.00	0.00
11.36	23.61	2.00	0.00	1.00	0.00	11.37	23.02	2.00	0.00	1.00	0.00
11.38	22.43	2.00	0.00	1.00	0.00	11.39	22.04	2.00	0.00	1.00	0.00
11.40	21.36	2.00	0.00	1.00	0.00	11.41	21.25	2.00	0.00	1.00	0.00
11.42	21.15	2.00	0.00	1.00	0.00	11.43	21.05	2.00	0.00	1.00	0.00
11.44	20.46	2.00	0.00	1.00	0.00	11.45	20.26	2.00	0.00	1.00	0.00
11.46	20.16	2.00	0.00	1.00	0.00	11.47	20.44	2.00	0.00	1.00	0.00
11.48	20.62	2.00	0.00	1.00	0.00	11.49	20.23	2.00	0.00	1.00	0.00
11.50	20.03	2.00	0.00	1.00	0.00	11.51	20.11	2.00	0.00	1.00	0.00
11.52	20.49	2.00	0.00	1.00	0.00	11.53	20.48	2.00	0.00	1.00	0.00
11.54	21.33	2.00	0.00	1.00	0.00	11.55	21.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	19.59	2.00	0.00	1.00	0.00	11.57	19.20	2.00	0.00	1.00	0.00
11.58	19.20	2.00	0.00	1.00	0.00	11.59	19.00	2.00	0.00	1.00	0.00
11.60	18.89	2.00	0.00	1.00	0.00	11.61	18.60	2.00	0.00	1.00	0.00
11.62	18.69	2.00	0.00	1.00	0.00	11.63	17.44	2.00	0.00	1.00	0.00
11.64	17.06	2.00	0.00	1.00	0.00	11.65	16.86	2.00	0.00	1.00	0.00
11.66	16.85	2.00	0.00	1.00	0.00	11.67	17.04	2.00	0.00	1.00	0.00
11.68	17.22	2.00	0.00	1.00	0.00	11.69	17.50	2.00	0.00	1.00	0.00
11.70	17.96	2.00	0.00	1.00	0.00	11.71	18.34	2.00	0.00	1.00	0.00
11.72	19.56	2.00	0.00	1.00	0.00	11.73	20.22	2.00	0.00	1.00	0.00
11.74	21.44	2.00	0.00	1.00	0.00	11.75	78.97	0.28	4.06	1.00	0.04
11.76	79.48	0.28	4.03	1.00	0.04	11.77	79.33	0.28	4.04	1.00	0.04
11.78	79.99	0.28	4.01	1.00	0.04	11.79	80.28	0.29	4.00	1.00	0.04
11.80	80.84	0.29	3.97	1.00	0.04	11.81	81.17	0.29	3.95	1.00	0.04
11.82	81.30	0.29	3.95	1.00	0.04	11.83	81.61	0.29	3.93	1.00	0.04
11.84	81.87	0.29	3.92	1.00	0.04	11.85	83.02	0.29	3.87	1.00	0.04
11.86	83.92	0.30	3.83	1.00	0.04	11.87	88.86	0.31	3.62	1.00	0.04
11.88	88.67	0.31	3.63	1.00	0.04	11.89	101.12	0.36	3.18	1.00	0.03
11.90	103.60	0.37	3.10	1.00	0.03	11.91	103.17	0.37	3.11	1.00	0.03
11.92	102.61	0.36	3.13	1.00	0.03	11.93	111.21	0.41	2.88	1.00	0.03
11.94	110.38	0.40	2.90	1.00	0.03	11.95	106.11	0.38	3.02	1.00	0.03
11.96	105.43	0.38	3.04	1.00	0.03	11.97	105.10	0.37	3.05	1.00	0.03
11.98	107.93	0.39	2.97	1.00	0.03	11.99	108.25	0.39	2.96	1.00	0.03
12.00	108.31	0.39	2.96	1.00	0.03	12.01	104.54	0.37	3.07	1.00	0.03
12.02	40.76	2.00	0.00	1.00	0.00	12.03	39.51	2.00	0.00	1.00	0.00
12.04	37.41	2.00	0.00	1.00	0.00	12.05	33.62	2.00	0.00	1.00	0.00
12.06	32.85	2.00	0.00	1.00	0.00	12.07	33.02	2.00	0.00	1.00	0.00
12.08	33.94	2.00	0.00	1.00	0.00	12.09	37.04	2.00	0.00	1.00	0.00
12.10	101.57	0.36	3.16	1.00	0.03	12.11	113.36	0.42	2.82	1.00	0.03
12.12	117.29	0.45	2.72	1.00	0.03	12.13	124.99	0.51	2.54	1.00	0.03
12.14	126.18	0.52	2.51	1.00	0.03	12.15	127.75	0.53	2.48	1.00	0.02
12.16	127.52	0.53	2.49	1.00	0.02	12.17	126.80	0.52	2.50	1.00	0.03
12.18	124.28	0.50	2.56	1.00	0.03	12.19	122.85	0.49	2.59	1.00	0.03
12.20	86.05	0.30	3.73	1.00	0.04	12.21	178.85	2.00	0.00	1.00	0.00
12.22	254.00	2.00	0.00	1.00	0.00						

**Total estimated settlement: 19.03**

**Abbreviations**

- Q<sub>tn,cs</sub>: Equivalent clean sand normalized cone resistance
- FS: Factor of safety against liquefaction
- e<sub>v</sub> (%): Post-liquefaction volumetric strain
- DF: e<sub>v</sub> depth weighting factor
- Settlement: Calculated settlement

**LIQUEFACTION ANALYSIS REPORT**

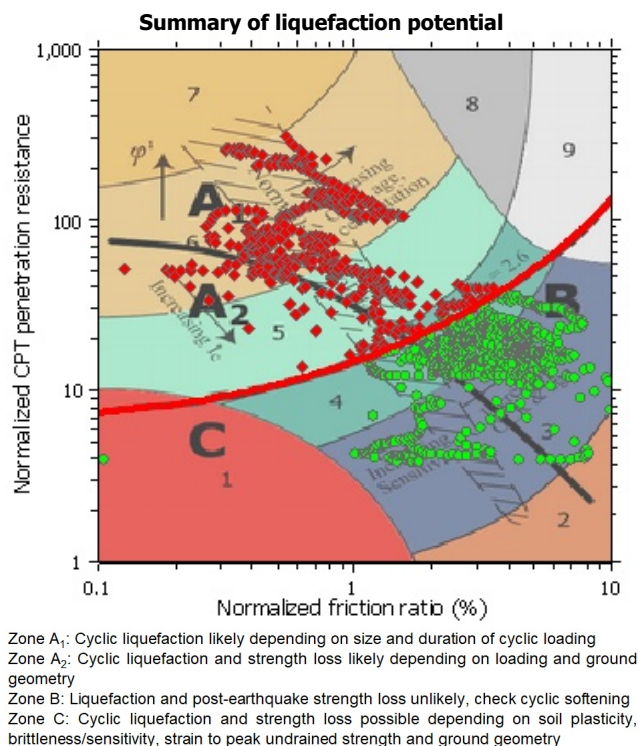
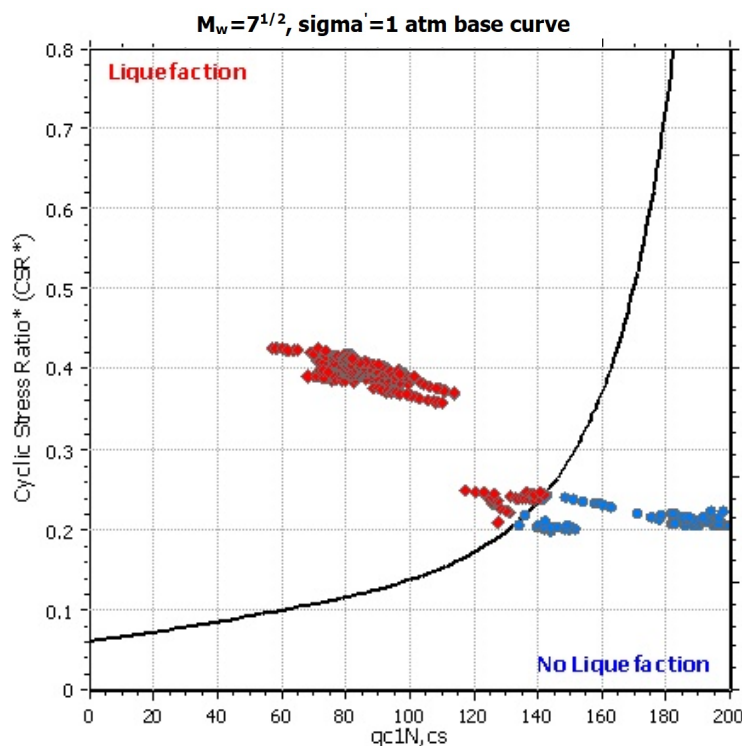
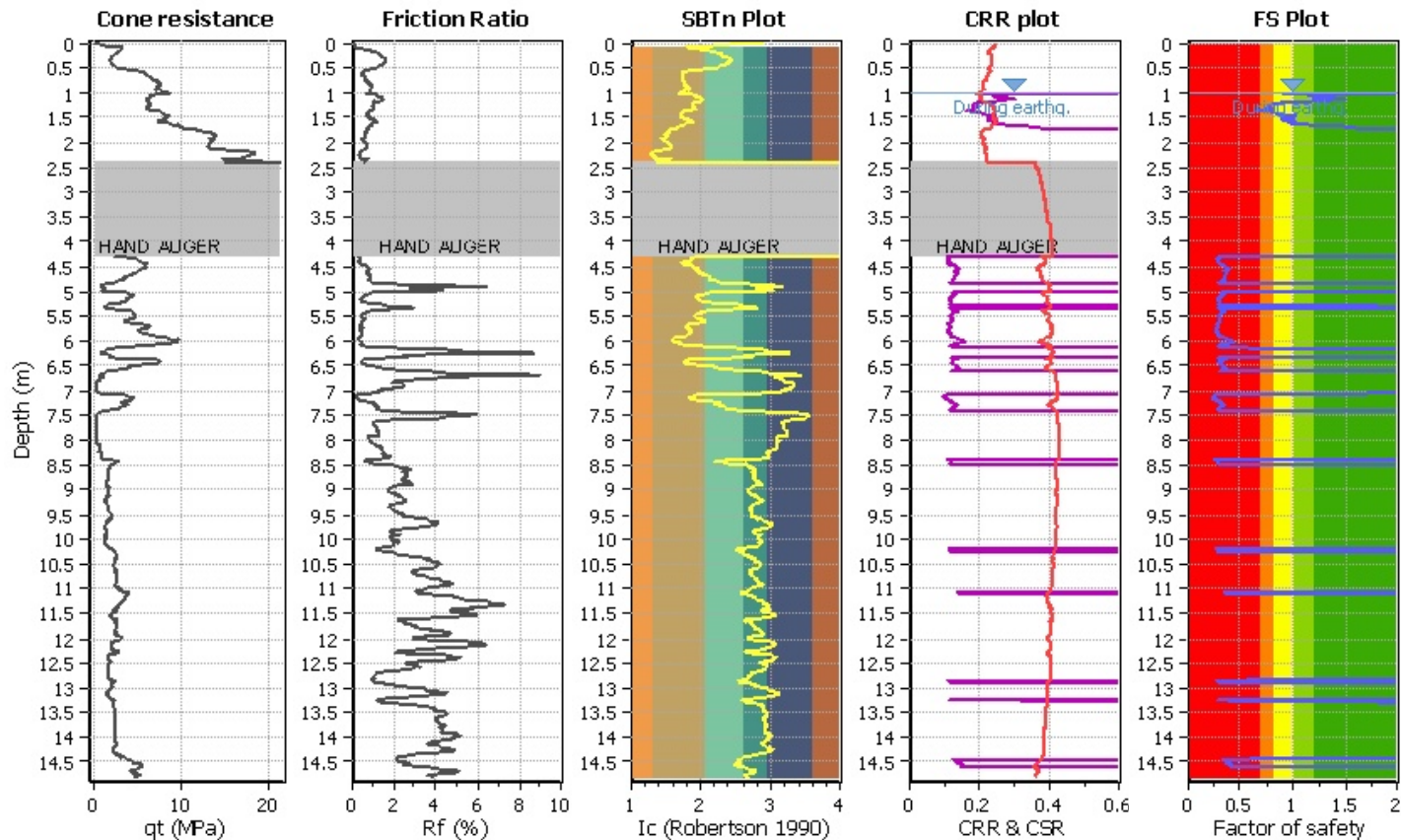
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

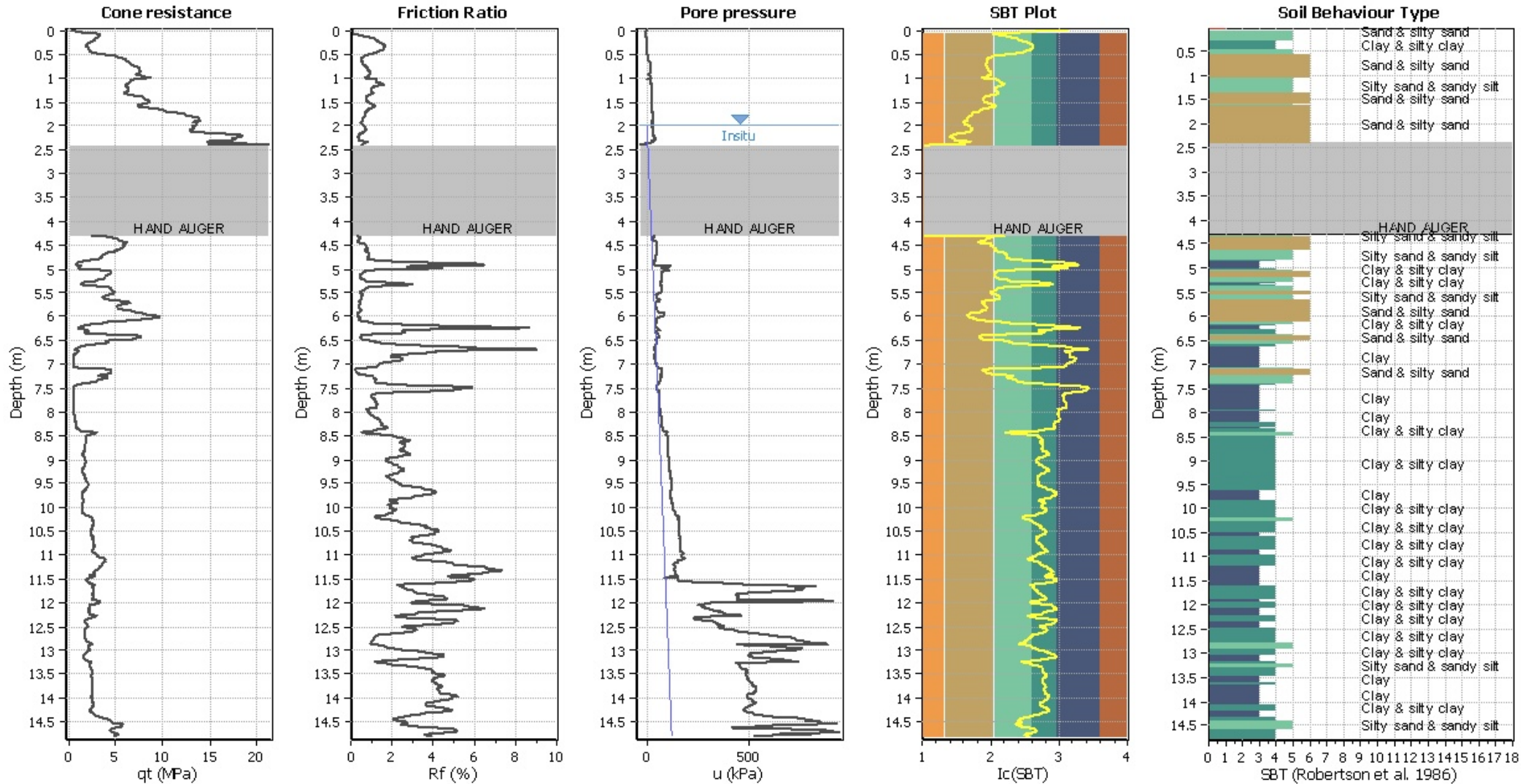
**CPT file : CPTU-10-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



#### Input parameters and analysis data

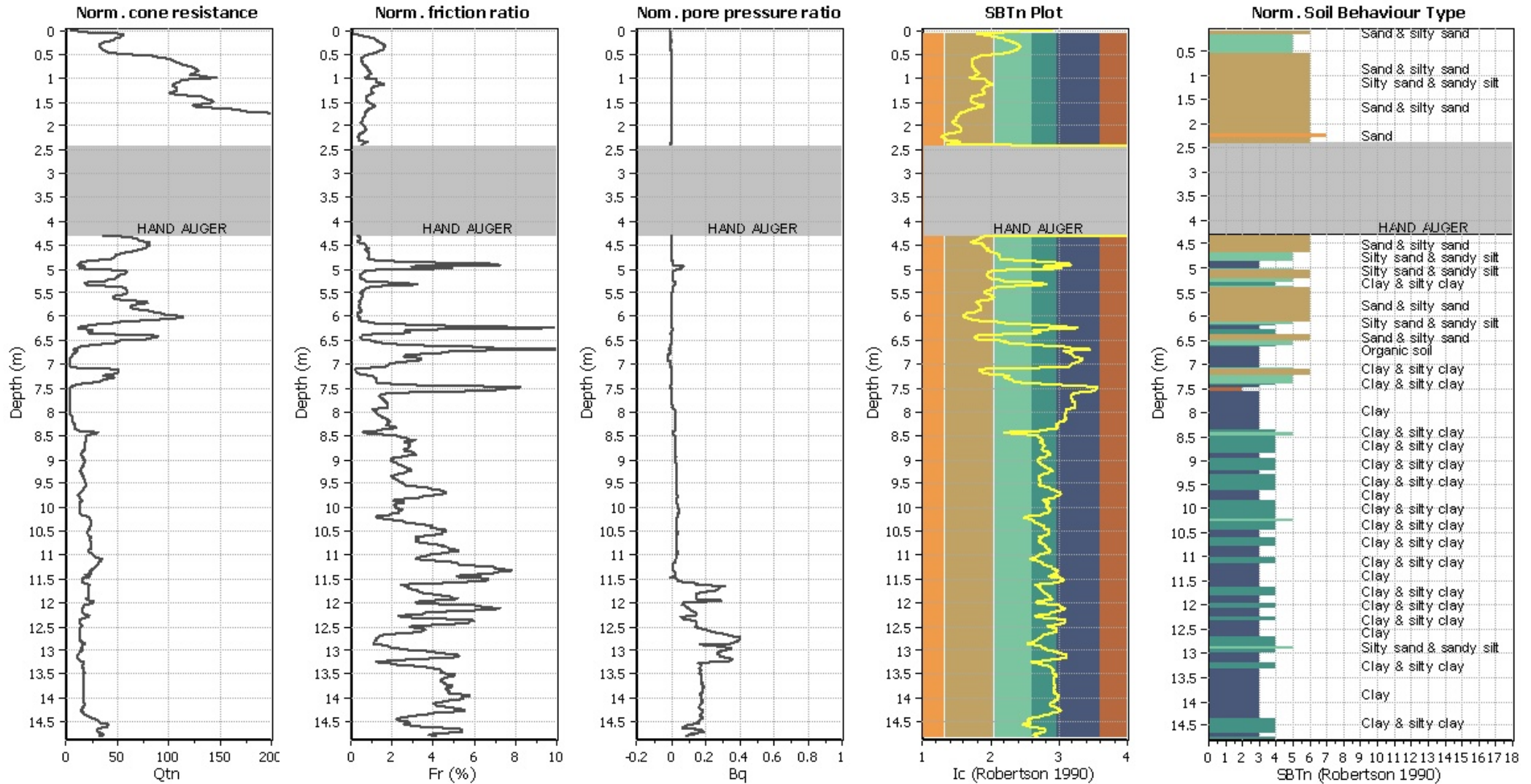
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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



### CPT basic interpretation plots (normaliz)



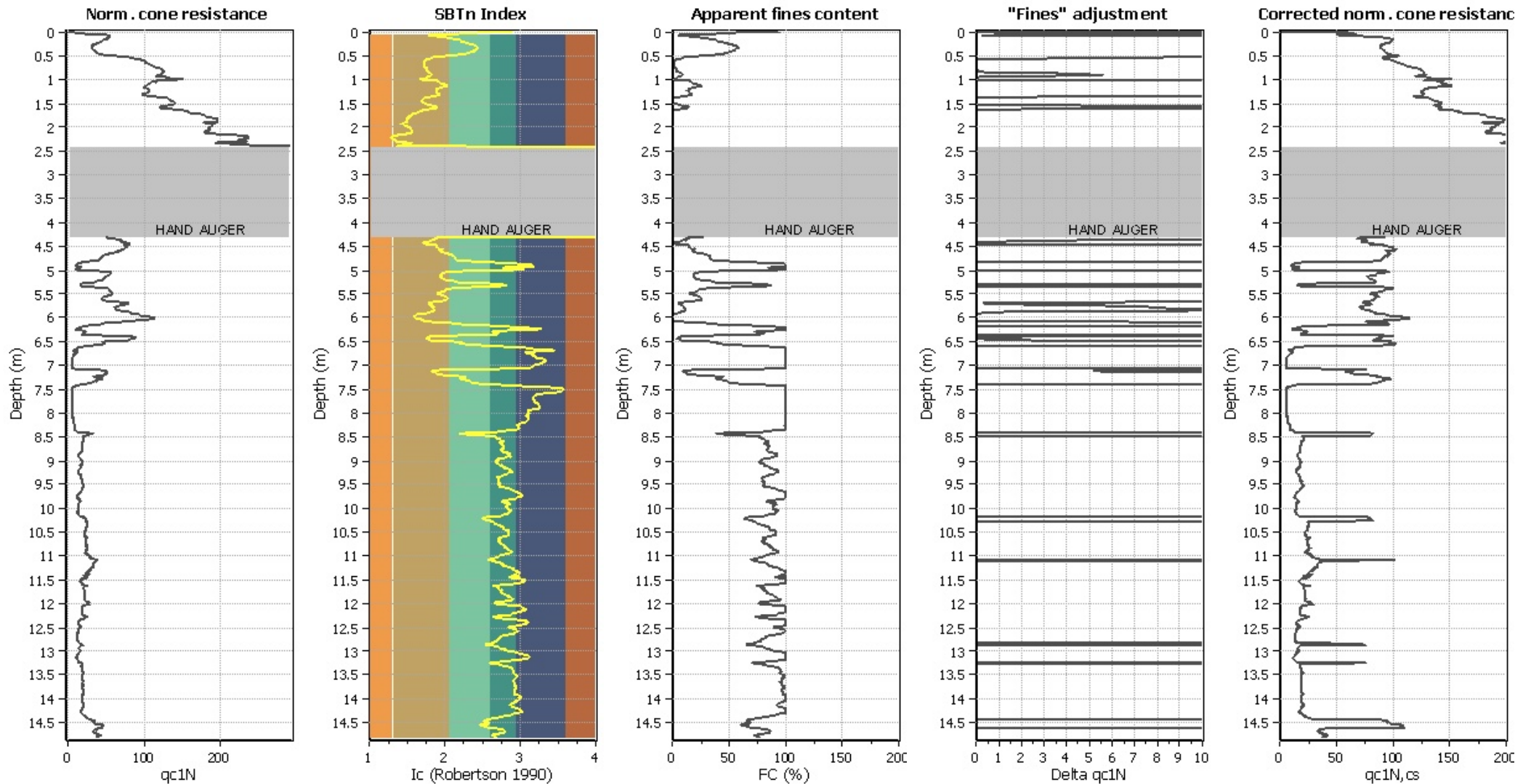
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

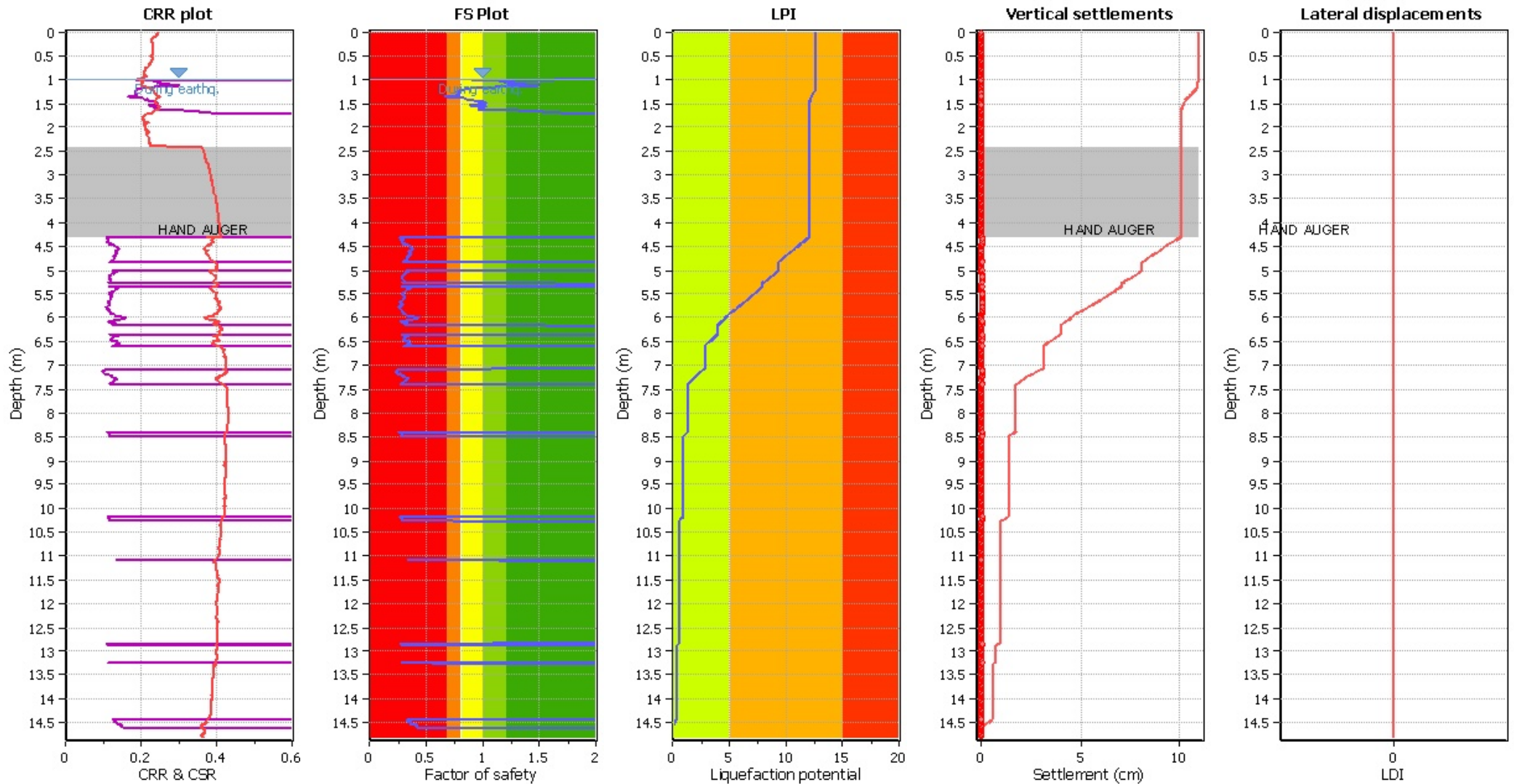
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_0$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

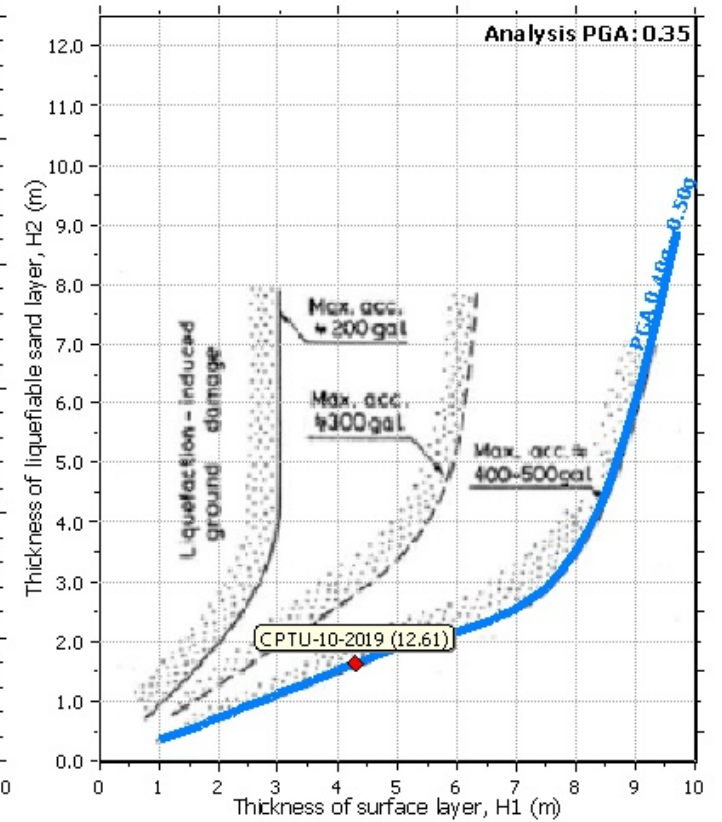
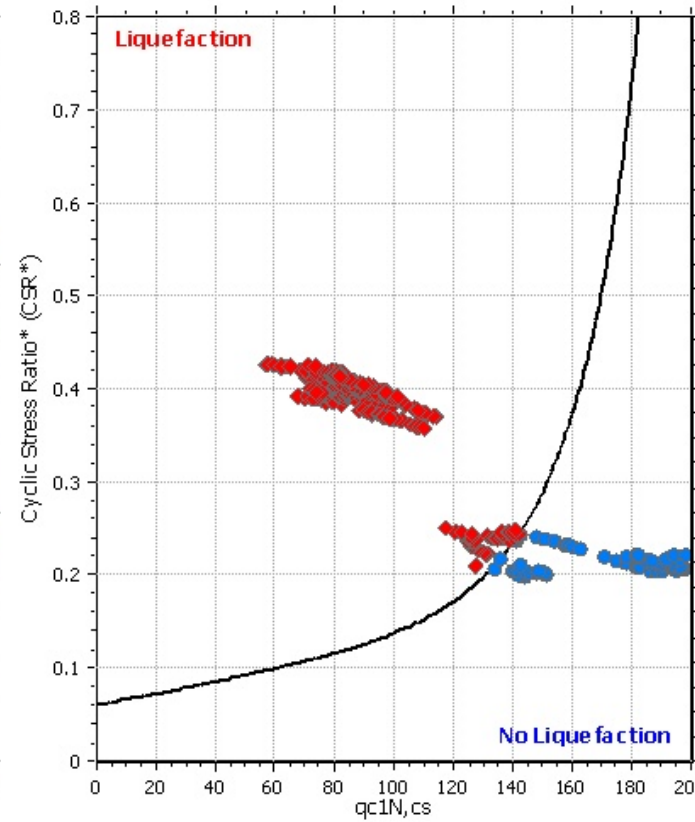
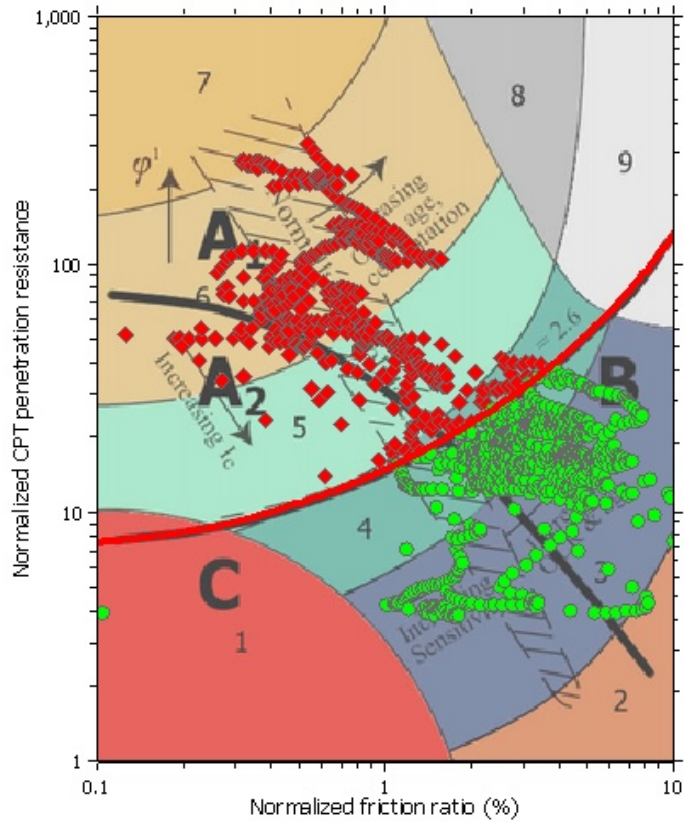
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

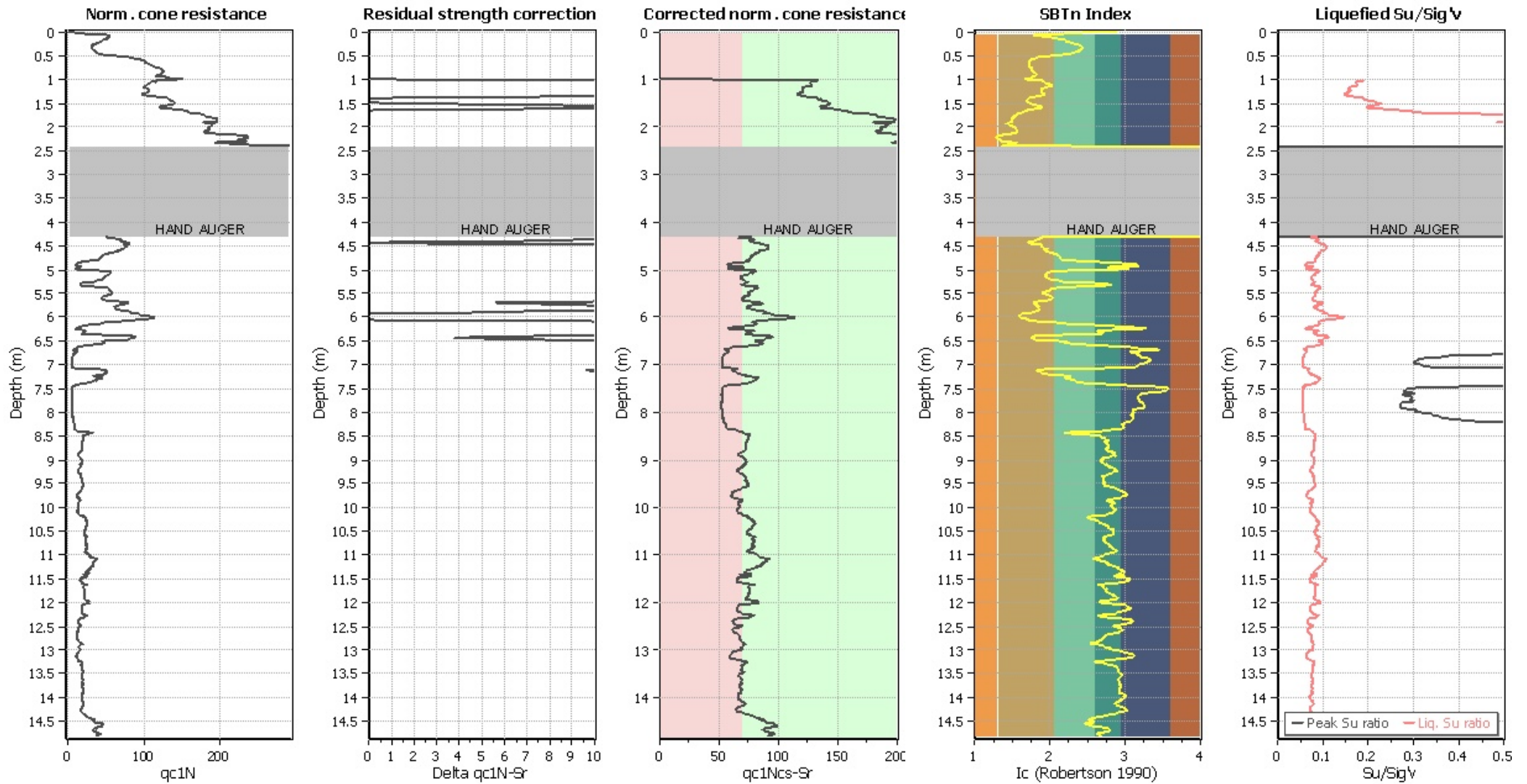
### Liquefaction analysis summary plo



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	0.91	0.09	9.49	0.01	0.01	1.02	1.04	0.00	9.49	0.01	0.00
1.03	1.30	0.00	9.49	0.01	0.00	1.04	1.23	0.00	9.48	0.01	0.00
1.05	1.16	0.00	9.48	0.01	0.00	1.06	1.17	0.00	9.47	0.01	0.00
1.07	1.21	0.00	9.47	0.01	0.00	1.08	1.27	0.00	9.46	0.01	0.00
1.09	1.32	0.00	9.46	0.01	0.00	1.10	1.39	0.00	9.45	0.01	0.00
1.11	1.44	0.00	9.45	0.01	0.00	1.12	1.50	0.00	9.44	0.01	0.00
1.13	1.47	0.00	9.44	0.01	0.00	1.14	1.39	0.00	9.43	0.01	0.00
1.15	1.18	0.00	9.43	0.01	0.00	1.16	1.01	0.00	9.42	0.01	0.00
1.17	0.91	0.09	9.41	0.01	0.01	1.18	0.90	0.10	9.41	0.01	0.01
1.19	0.88	0.12	9.41	0.01	0.01	1.20	0.85	0.15	9.40	0.01	0.01
1.21	0.83	0.17	9.40	0.01	0.02	1.22	0.81	0.19	9.39	0.01	0.02
1.23	0.80	0.20	9.39	0.01	0.02	1.24	0.79	0.21	9.38	0.01	0.02
1.25	0.79	0.21	9.38	0.01	0.02	1.26	0.78	0.22	9.37	0.01	0.02
1.27	0.78	0.22	9.37	0.01	0.02	1.28	0.79	0.21	9.36	0.01	0.02
1.29	0.79	0.21	9.36	0.01	0.02	1.30	0.80	0.20	9.35	0.01	0.02
1.31	0.80	0.20	9.35	0.01	0.02	1.32	0.78	0.22	9.34	0.01	0.02
1.33	0.77	0.23	9.34	0.01	0.02	1.34	0.73	0.27	9.33	0.01	0.03
1.35	0.70	0.30	9.32	0.01	0.03	1.36	0.67	0.33	9.32	0.01	0.03
1.37	0.73	0.27	9.32	0.01	0.03	1.38	0.77	0.23	9.31	0.01	0.02
1.39	0.84	0.16	9.31	0.01	0.01	1.40	0.87	0.13	9.30	0.01	0.01
1.41	0.88	0.12	9.30	0.01	0.01	1.42	0.89	0.11	9.29	0.01	0.01
1.43	0.92	0.08	9.29	0.01	0.01	1.44	0.94	0.06	9.28	0.01	0.01
1.45	0.97	0.03	9.28	0.01	0.00	1.46	1.02	0.00	9.27	0.01	0.00
1.47	1.02	0.00	9.27	0.01	0.00	1.48	1.02	0.00	9.26	0.01	0.00
1.49	1.02	0.00	9.26	0.01	0.00	1.50	1.01	0.00	9.25	0.01	0.00
1.51	0.98	0.02	9.24	0.01	0.00	1.52	0.91	0.09	9.24	0.01	0.01
1.53	0.89	0.11	9.24	0.01	0.01	1.54	0.89	0.11	9.23	0.01	0.01
1.55	0.93	0.07	9.23	0.01	0.01	1.56	0.93	0.07	9.22	0.01	0.01
1.57	1.00	0.00	9.22	0.01	0.00	1.58	1.02	0.00	9.21	0.01	0.00
1.59	0.98	0.02	9.21	0.01	0.00	1.60	1.00	0.00	9.20	0.01	0.00
1.61	0.96	0.04	9.20	0.01	0.00	1.62	0.96	0.04	9.19	0.01	0.00
1.63	1.17	0.00	9.19	0.01	0.00	1.64	1.25	0.00	9.18	0.01	0.00
1.65	1.36	0.00	9.18	0.01	0.00	1.66	1.53	0.00	9.17	0.01	0.00
1.67	1.53	0.00	9.16	0.01	0.00	1.68	1.53	0.00	9.16	0.01	0.00
1.69	1.57	0.00	9.16	0.01	0.00	1.70	1.64	0.00	9.15	0.01	0.00
1.71	1.78	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	0.00	0.00	0.00	2.42	2.00	0.00	0.00	0.00	0.00
2.43	2.00	0.00	0.00	0.00	0.00	2.44	2.00	0.00	0.00	0.00	0.00
2.45	2.00	0.00	0.00	0.00	0.00	2.46	2.00	0.00	0.00	0.00	0.00
2.47	2.00	0.00	0.00	0.00	0.00	2.48	2.00	0.00	0.00	0.00	0.00
2.49	2.00	0.00	0.00	0.00	0.00	2.50	2.00	0.00	0.00	0.00	0.00
2.51	2.00	0.00	0.00	0.00	0.00	2.52	2.00	0.00	0.00	0.00	0.00
2.53	2.00	0.00	0.00	0.00	0.00	2.54	2.00	0.00	0.00	0.00	0.00
2.55	2.00	0.00	0.00	0.00	0.00	2.56	2.00	0.00	0.00	0.00	0.00
2.57	2.00	0.00	0.00	0.00	0.00	2.58	2.00	0.00	0.00	0.00	0.00
2.59	2.00	0.00	0.00	0.00	0.00	2.60	2.00	0.00	0.00	0.00	0.00
2.61	2.00	0.00	0.00	0.00	0.00	2.62	2.00	0.00	0.00	0.00	0.00
2.63	2.00	0.00	0.00	0.00	0.00	2.64	2.00	0.00	0.00	0.00	0.00
2.65	2.00	0.00	0.00	0.00	0.00	2.66	2.00	0.00	0.00	0.00	0.00
2.67	2.00	0.00	0.00	0.00	0.00	2.68	2.00	0.00	0.00	0.00	0.00
2.69	2.00	0.00	0.00	0.00	0.00	2.70	2.00	0.00	0.00	0.00	0.00
2.71	2.00	0.00	0.00	0.00	0.00	2.72	2.00	0.00	0.00	0.00	0.00
2.73	2.00	0.00	0.00	0.00	0.00	2.74	2.00	0.00	0.00	0.00	0.00
2.75	2.00	0.00	0.00	0.00	0.00	2.76	2.00	0.00	0.00	0.00	0.00
2.77	2.00	0.00	0.00	0.00	0.00	2.78	2.00	0.00	0.00	0.00	0.00
2.79	2.00	0.00	0.00	0.00	0.00	2.80	2.00	0.00	0.00	0.00	0.00
2.81	2.00	0.00	0.00	0.00	0.00	2.82	2.00	0.00	0.00	0.00	0.00
2.83	2.00	0.00	0.00	0.00	0.00	2.84	2.00	0.00	0.00	0.00	0.00
2.85	2.00	0.00	0.00	0.00	0.00	2.86	2.00	0.00	0.00	0.00	0.00
2.87	2.00	0.00	0.00	0.00	0.00	2.88	2.00	0.00	0.00	0.00	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	0.00	0.00	0.00	2.90	2.00	0.00	0.00	0.00	0.00
2.91	2.00	0.00	0.00	0.00	0.00	2.92	2.00	0.00	0.00	0.00	0.00
2.93	2.00	0.00	0.00	0.00	0.00	2.94	2.00	0.00	0.00	0.00	0.00
2.95	2.00	0.00	0.00	0.00	0.00	2.96	2.00	0.00	0.00	0.00	0.00
2.97	2.00	0.00	0.00	0.00	0.00	2.98	2.00	0.00	0.00	0.00	0.00
2.99	2.00	0.00	0.00	0.00	0.00	3.00	2.00	0.00	0.00	0.00	0.00
3.01	2.00	0.00	0.00	0.00	0.00	3.02	2.00	0.00	0.00	0.00	0.00
3.03	2.00	0.00	0.00	0.00	0.00	3.04	2.00	0.00	0.00	0.00	0.00
3.05	2.00	0.00	0.00	0.00	0.00	3.06	2.00	0.00	0.00	0.00	0.00
3.07	2.00	0.00	0.00	0.00	0.00	3.08	2.00	0.00	0.00	0.00	0.00
3.09	2.00	0.00	0.00	0.00	0.00	3.10	2.00	0.00	0.00	0.00	0.00
3.11	2.00	0.00	0.00	0.00	0.00	3.12	2.00	0.00	0.00	0.00	0.00
3.13	2.00	0.00	0.00	0.00	0.00	3.14	2.00	0.00	0.00	0.00	0.00
3.15	2.00	0.00	0.00	0.00	0.00	3.16	2.00	0.00	0.00	0.00	0.00
3.17	2.00	0.00	0.00	0.00	0.00	3.18	2.00	0.00	0.00	0.00	0.00
3.19	2.00	0.00	0.00	0.00	0.00	3.20	2.00	0.00	0.00	0.00	0.00
3.21	2.00	0.00	0.00	0.00	0.00	3.22	2.00	0.00	0.00	0.00	0.00
3.23	2.00	0.00	0.00	0.00	0.00	3.24	2.00	0.00	0.00	0.00	0.00
3.25	2.00	0.00	0.00	0.00	0.00	3.26	2.00	0.00	0.00	0.00	0.00
3.27	2.00	0.00	0.00	0.00	0.00	3.28	2.00	0.00	0.00	0.00	0.00
3.29	2.00	0.00	0.00	0.00	0.00	3.30	2.00	0.00	0.00	0.00	0.00
3.31	2.00	0.00	0.00	0.00	0.00	3.32	2.00	0.00	0.00	0.00	0.00
3.33	2.00	0.00	0.00	0.00	0.00	3.34	2.00	0.00	0.00	0.00	0.00
3.35	2.00	0.00	0.00	0.00	0.00	3.36	2.00	0.00	0.00	0.00	0.00
3.37	2.00	0.00	0.00	0.00	0.00	3.38	2.00	0.00	0.00	0.00	0.00
3.39	2.00	0.00	0.00	0.00	0.00	3.40	2.00	0.00	0.00	0.00	0.00
3.41	2.00	0.00	0.00	0.00	0.00	3.42	2.00	0.00	0.00	0.00	0.00
3.43	2.00	0.00	0.00	0.00	0.00	3.44	2.00	0.00	0.00	0.00	0.00
3.45	2.00	0.00	0.00	0.00	0.00	3.46	2.00	0.00	0.00	0.00	0.00
3.47	2.00	0.00	0.00	0.00	0.00	3.48	2.00	0.00	0.00	0.00	0.00
3.49	2.00	0.00	0.00	0.00	0.00	3.50	2.00	0.00	0.00	0.00	0.00
3.51	2.00	0.00	0.00	0.00	0.00	3.52	2.00	0.00	0.00	0.00	0.00
3.53	2.00	0.00	0.00	0.00	0.00	3.54	2.00	0.00	0.00	0.00	0.00
3.55	2.00	0.00	0.00	0.00	0.00	3.56	2.00	0.00	0.00	0.00	0.00
3.57	2.00	0.00	0.00	0.00	0.00	3.58	2.00	0.00	0.00	0.00	0.00
3.59	2.00	0.00	0.00	0.00	0.00	3.60	2.00	0.00	0.00	0.00	0.00
3.61	2.00	0.00	0.00	0.00	0.00	3.62	2.00	0.00	0.00	0.00	0.00
3.63	2.00	0.00	0.00	0.00	0.00	3.64	2.00	0.00	0.00	0.00	0.00
3.65	2.00	0.00	0.00	0.00	0.00	3.66	2.00	0.00	0.00	0.00	0.00
3.67	2.00	0.00	0.00	0.00	0.00	3.68	2.00	0.00	0.00	0.00	0.00
3.69	2.00	0.00	0.00	0.00	0.00	3.70	2.00	0.00	0.00	0.00	0.00
3.71	2.00	0.00	0.00	0.00	0.00	3.72	2.00	0.00	0.00	0.00	0.00
3.73	2.00	0.00	0.00	0.00	0.00	3.74	2.00	0.00	0.00	0.00	0.00
3.75	2.00	0.00	0.00	0.00	0.00	3.76	2.00	0.00	0.00	0.00	0.00
3.77	2.00	0.00	0.00	0.00	0.00	3.78	2.00	0.00	0.00	0.00	0.00
3.79	2.00	0.00	0.00	0.00	0.00	3.80	2.00	0.00	0.00	0.00	0.00
3.81	2.00	0.00	0.00	0.00	0.00	3.82	2.00	0.00	0.00	0.00	0.00
3.83	2.00	0.00	0.00	0.00	0.00	3.84	2.00	0.00	0.00	0.00	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	0.00	0.00	0.00	3.86	2.00	0.00	0.00	0.00	0.00
3.87	2.00	0.00	0.00	0.00	0.00	3.88	2.00	0.00	0.00	0.00	0.00
3.89	2.00	0.00	0.00	0.00	0.00	3.90	2.00	0.00	0.00	0.00	0.00
3.91	2.00	0.00	0.00	0.00	0.00	3.92	2.00	0.00	0.00	0.00	0.00
3.93	2.00	0.00	0.00	0.00	0.00	3.94	2.00	0.00	0.00	0.00	0.00
3.95	2.00	0.00	0.00	0.00	0.00	3.96	2.00	0.00	0.00	0.00	0.00
3.97	2.00	0.00	0.00	0.00	0.00	3.98	2.00	0.00	0.00	0.00	0.00
3.99	2.00	0.00	0.00	0.00	0.00	4.00	2.00	0.00	0.00	0.00	0.00
4.01	2.00	0.00	0.00	0.00	0.00	4.02	2.00	0.00	0.00	0.00	0.00
4.03	2.00	0.00	0.00	0.00	0.00	4.04	2.00	0.00	0.00	0.00	0.00
4.05	2.00	0.00	0.00	0.00	0.00	4.06	2.00	0.00	0.00	0.00	0.00
4.07	2.00	0.00	0.00	0.00	0.00	4.08	2.00	0.00	0.00	0.00	0.00
4.09	2.00	0.00	0.00	0.00	0.00	4.10	2.00	0.00	0.00	0.00	0.00
4.11	2.00	0.00	0.00	0.00	0.00	4.12	2.00	0.00	0.00	0.00	0.00
4.13	2.00	0.00	0.00	0.00	0.00	4.14	2.00	0.00	0.00	0.00	0.00
4.15	2.00	0.00	0.00	0.00	0.00	4.16	2.00	0.00	0.00	0.00	0.00
4.17	2.00	0.00	0.00	0.00	0.00	4.18	2.00	0.00	0.00	0.00	0.00
4.19	2.00	0.00	0.00	0.00	0.00	4.20	2.00	0.00	0.00	0.00	0.00
4.21	2.00	0.00	0.00	0.00	0.00	4.22	2.00	0.00	0.00	0.00	0.00
4.23	2.00	0.00	0.00	0.00	0.00	4.24	2.00	0.00	0.00	0.00	0.00
4.25	2.00	0.00	0.00	0.00	0.00	4.26	2.00	0.00	0.00	0.00	0.00
4.27	2.00	0.00	0.00	0.00	0.00	4.28	2.00	0.00	0.00	0.00	0.00
4.29	2.00	0.00	0.00	0.00	0.00	4.30	2.00	0.00	0.00	0.00	0.00
4.31	0.35	0.65	7.85	0.01	0.05	4.32	0.28	0.72	7.84	0.01	0.06
4.33	0.27	0.73	7.84	0.01	0.06	4.34	0.29	0.71	7.83	0.01	0.06
4.35	0.28	0.72	7.83	0.01	0.06	4.36	0.29	0.71	7.82	0.01	0.06
4.37	0.28	0.72	7.82	0.01	0.06	4.38	0.29	0.71	7.81	0.01	0.06
4.39	0.28	0.72	7.81	0.01	0.06	4.40	0.28	0.72	7.80	0.01	0.06
4.41	0.28	0.72	7.80	0.01	0.06	4.42	0.30	0.70	7.79	0.01	0.05
4.43	0.30	0.70	7.79	0.01	0.05	4.44	0.31	0.69	7.78	0.01	0.05
4.45	0.31	0.69	7.78	0.01	0.05	4.46	0.30	0.70	7.77	0.01	0.05
4.47	0.34	0.66	7.77	0.01	0.05	4.48	0.34	0.66	7.76	0.01	0.05
4.49	0.35	0.65	7.76	0.01	0.05	4.50	0.35	0.65	7.75	0.01	0.05
4.51	0.36	0.64	7.75	0.01	0.05	4.52	0.36	0.64	7.74	0.01	0.05
4.53	0.37	0.63	7.74	0.01	0.05	4.54	0.37	0.63	7.73	0.01	0.05
4.55	0.38	0.62	7.73	0.01	0.05	4.56	0.39	0.61	7.72	0.01	0.05
4.57	0.38	0.62	7.72	0.01	0.05	4.58	0.36	0.64	7.71	0.01	0.05
4.59	0.35	0.65	7.71	0.01	0.05	4.60	0.35	0.65	7.70	0.01	0.05
4.61	0.35	0.65	7.70	0.01	0.05	4.62	0.36	0.64	7.69	0.01	0.05
4.63	0.36	0.64	7.69	0.01	0.05	4.64	0.36	0.64	7.68	0.01	0.05
4.65	0.36	0.64	7.68	0.01	0.05	4.66	0.36	0.64	7.67	0.01	0.05
4.67	0.35	0.65	7.67	0.01	0.05	4.68	0.35	0.65	7.66	0.01	0.05
4.69	0.35	0.65	7.66	0.01	0.05	4.70	0.35	0.65	7.65	0.01	0.05
4.71	0.34	0.66	7.65	0.01	0.05	4.72	0.34	0.66	7.64	0.01	0.05
4.73	0.34	0.66	7.64	0.01	0.05	4.74	0.34	0.66	7.63	0.01	0.05
4.75	0.34	0.66	7.63	0.01	0.05	4.76	0.33	0.67	7.62	0.01	0.05
4.77	0.33	0.67	7.62	0.01	0.05	4.78	0.33	0.67	7.61	0.01	0.05
4.79	0.33	0.67	7.61	0.01	0.05	4.80	0.33	0.67	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.31	0.69	7.60	0.01	0.05	4.82	0.30	0.70	7.59	0.01	0.05
4.83	0.29	0.71	7.59	0.01	0.05	4.84	2.00	0.00	7.58	0.01	0.00
4.85	2.00	0.00	7.58	0.01	0.00	4.86	2.00	0.00	7.57	0.01	0.00
4.87	2.00	0.00	7.57	0.01	0.00	4.88	2.00	0.00	7.56	0.01	0.00
4.89	2.00	0.00	7.56	0.01	0.00	4.90	2.00	0.00	7.55	0.01	0.00
4.91	2.00	0.00	7.55	0.01	0.00	4.92	2.00	0.00	7.54	0.01	0.00
4.93	2.00	0.00	7.54	0.01	0.00	4.94	2.00	0.00	7.53	0.01	0.00
4.95	2.00	0.00	7.53	0.01	0.00	4.96	2.00	0.00	7.52	0.01	0.00
4.97	2.00	0.00	7.52	0.01	0.00	4.98	2.00	0.00	7.51	0.01	0.00
4.99	2.00	0.00	7.51	0.01	0.00	5.00	2.00	0.00	7.50	0.01	0.00
5.01	0.32	0.68	7.50	0.01	0.05	5.02	0.34	0.66	7.49	0.01	0.05
5.03	0.35	0.65	7.49	0.01	0.05	5.04	0.34	0.66	7.48	0.01	0.05
5.05	0.34	0.66	7.48	0.01	0.05	5.06	0.33	0.67	7.47	0.01	0.05
5.07	0.32	0.68	7.47	0.01	0.05	5.08	0.31	0.69	7.46	0.01	0.05
5.09	0.31	0.69	7.46	0.01	0.05	5.10	0.30	0.70	7.45	0.01	0.05
5.11	0.30	0.70	7.45	0.01	0.05	5.12	0.29	0.71	7.44	0.01	0.05
5.13	0.29	0.71	7.44	0.01	0.05	5.14	0.29	0.71	7.43	0.01	0.05
5.15	0.29	0.71	7.43	0.01	0.05	5.16	0.29	0.71	7.42	0.01	0.05
5.17	0.29	0.71	7.42	0.01	0.05	5.18	0.29	0.71	7.41	0.01	0.05
5.19	0.29	0.71	7.41	0.01	0.05	5.20	0.30	0.70	7.40	0.01	0.05
5.21	0.30	0.70	7.40	0.01	0.05	5.22	0.31	0.69	7.39	0.01	0.05
5.23	0.31	0.69	7.39	0.01	0.05	5.24	0.31	0.69	7.38	0.01	0.05
5.25	0.31	0.69	7.38	0.01	0.05	5.26	0.29	0.71	7.37	0.01	0.05
5.27	0.28	0.72	7.37	0.01	0.05	5.28	2.00	0.00	7.36	0.01	0.00
5.29	2.00	0.00	7.36	0.01	0.00	5.30	2.00	0.00	7.35	0.01	0.00
5.31	2.00	0.00	7.35	0.01	0.00	5.32	2.00	0.00	7.34	0.01	0.00
5.33	2.00	0.00	7.34	0.01	0.00	5.34	2.00	0.00	7.33	0.01	0.00
5.35	0.29	0.71	7.33	0.01	0.05	5.36	0.33	0.67	7.32	0.01	0.05
5.37	0.34	0.66	7.32	0.01	0.05	5.38	0.34	0.66	7.31	0.01	0.05
5.39	0.36	0.64	7.31	0.01	0.05	5.40	0.35	0.65	7.30	0.01	0.05
5.41	0.34	0.66	7.30	0.01	0.05	5.42	0.33	0.67	7.29	0.01	0.05
5.43	0.33	0.67	7.29	0.01	0.05	5.44	0.32	0.68	7.28	0.01	0.05
5.45	0.31	0.69	7.28	0.01	0.05	5.46	0.31	0.69	7.27	0.01	0.05
5.47	0.30	0.70	7.27	0.01	0.05	5.48	0.29	0.71	7.26	0.01	0.05
5.49	0.29	0.71	7.26	0.01	0.05	5.50	0.29	0.71	7.25	0.01	0.05
5.51	0.29	0.71	7.25	0.01	0.05	5.52	0.30	0.70	7.24	0.01	0.05
5.53	0.30	0.70	7.24	0.01	0.05	5.54	0.31	0.69	7.23	0.01	0.05
5.55	0.31	0.69	7.23	0.01	0.05	5.56	0.31	0.69	7.22	0.01	0.05
5.57	0.30	0.70	7.22	0.01	0.05	5.58	0.30	0.70	7.21	0.01	0.05
5.59	0.30	0.70	7.21	0.01	0.05	5.60	0.30	0.70	7.20	0.01	0.05
5.61	0.30	0.70	7.20	0.01	0.05	5.62	0.30	0.70	7.19	0.01	0.05
5.63	0.30	0.70	7.19	0.01	0.05	5.64	0.29	0.71	7.18	0.01	0.05
5.65	0.29	0.71	7.18	0.01	0.05	5.66	0.27	0.73	7.17	0.01	0.05
5.67	0.27	0.73	7.17	0.01	0.05	5.68	0.27	0.73	7.16	0.01	0.05
5.69	0.29	0.71	7.16	0.01	0.05	5.70	0.29	0.71	7.15	0.01	0.05
5.71	0.29	0.71	7.15	0.01	0.05	5.72	0.29	0.71	7.14	0.01	0.05
5.73	0.28	0.72	7.14	0.01	0.05	5.74	0.28	0.72	7.13	0.01	0.05
5.75	0.27	0.73	7.13	0.01	0.05	5.76	0.27	0.73	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.27	0.73	7.12	0.01	0.05	5.78	0.26	0.74	7.11	0.01	0.05
5.79	0.26	0.74	7.11	0.01	0.05	5.80	0.27	0.73	7.10	0.01	0.05
5.81	0.27	0.73	7.10	0.01	0.05	5.82	0.28	0.72	7.09	0.01	0.05
5.83	0.28	0.72	7.09	0.01	0.05	5.84	0.28	0.72	7.08	0.01	0.05
5.85	0.29	0.71	7.08	0.01	0.05	5.86	0.29	0.71	7.07	0.01	0.05
5.87	0.29	0.71	7.07	0.01	0.05	5.88	0.29	0.71	7.06	0.01	0.05
5.89	0.30	0.70	7.06	0.01	0.05	5.90	0.30	0.70	7.05	0.01	0.05
5.91	0.30	0.70	7.05	0.01	0.05	5.92	0.30	0.70	7.04	0.01	0.05
5.93	0.31	0.69	7.04	0.01	0.05	5.94	0.33	0.67	7.03	0.01	0.05
5.95	0.34	0.66	7.03	0.01	0.05	5.96	0.37	0.63	7.02	0.01	0.04
5.97	0.39	0.61	7.02	0.01	0.04	5.98	0.40	0.60	7.01	0.01	0.04
5.99	0.41	0.59	7.01	0.01	0.04	6.00	0.43	0.57	7.00	0.01	0.04
6.01	0.43	0.57	7.00	0.01	0.04	6.02	0.41	0.59	6.99	0.01	0.04
6.03	0.40	0.60	6.99	0.01	0.04	6.04	0.37	0.63	6.98	0.01	0.04
6.05	0.34	0.66	6.98	0.01	0.05	6.06	0.32	0.68	6.97	0.01	0.05
6.07	0.31	0.69	6.97	0.01	0.05	6.08	0.30	0.70	6.96	0.01	0.05
6.09	0.28	0.72	6.96	0.01	0.05	6.10	0.30	0.70	6.95	0.01	0.05
6.11	0.32	0.68	6.95	0.01	0.05	6.12	0.33	0.67	6.94	0.01	0.05
6.13	0.34	0.66	6.94	0.01	0.05	6.14	0.31	0.69	6.93	0.01	0.05
6.15	0.31	0.69	6.93	0.01	0.05	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	2.00	0.00	6.87	0.01	0.00	6.28	2.00	0.00	6.86	0.01	0.00
6.29	2.00	0.00	6.86	0.01	0.00	6.30	2.00	0.00	6.85	0.01	0.00
6.31	2.00	0.00	6.85	0.01	0.00	6.32	2.00	0.00	6.84	0.01	0.00
6.33	2.00	0.00	6.84	0.01	0.00	6.34	2.00	0.00	6.83	0.01	0.00
6.35	0.29	0.71	6.83	0.01	0.05	6.36	0.31	0.69	6.82	0.01	0.05
6.37	0.33	0.67	6.82	0.01	0.05	6.38	0.35	0.65	6.81	0.01	0.04
6.39	0.30	0.70	6.81	0.01	0.05	6.40	0.31	0.69	6.80	0.01	0.05
6.41	0.31	0.69	6.80	0.01	0.05	6.42	0.31	0.69	6.79	0.01	0.05
6.43	0.31	0.69	6.79	0.01	0.05	6.44	0.30	0.70	6.78	0.01	0.05
6.45	0.30	0.70	6.78	0.01	0.05	6.46	0.29	0.71	6.77	0.01	0.05
6.47	0.31	0.69	6.77	0.01	0.05	6.48	0.32	0.68	6.76	0.01	0.05
6.49	0.34	0.66	6.76	0.01	0.04	6.50	0.34	0.66	6.75	0.01	0.04
6.51	0.34	0.66	6.75	0.01	0.04	6.52	0.34	0.66	6.74	0.01	0.04
6.53	0.35	0.65	6.74	0.01	0.04	6.54	0.36	0.64	6.73	0.01	0.04
6.55	0.36	0.64	6.73	0.01	0.04	6.56	0.36	0.64	6.72	0.01	0.04
6.57	0.34	0.66	6.72	0.01	0.04	6.58	0.33	0.67	6.71	0.01	0.05
6.59	0.30	0.70	6.71	0.01	0.05	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	0.24	0.76	6.47	0.01	0.05	7.08	0.27	0.73	6.46	0.01	0.05
7.09	0.26	0.74	6.46	0.01	0.05	7.10	0.25	0.75	6.45	0.01	0.05
7.11	0.24	0.76	6.45	0.01	0.05	7.12	0.23	0.77	6.44	0.01	0.05
7.13	0.23	0.77	6.44	0.01	0.05	7.14	0.23	0.77	6.43	0.01	0.05
7.15	0.23	0.77	6.43	0.01	0.05	7.16	0.24	0.76	6.42	0.01	0.05
7.17	0.24	0.76	6.42	0.01	0.05	7.18	0.26	0.74	6.41	0.01	0.05
7.19	0.27	0.73	6.41	0.01	0.05	7.20	0.28	0.72	6.40	0.01	0.05
7.21	0.29	0.71	6.40	0.01	0.05	7.22	0.30	0.70	6.39	0.01	0.04
7.23	0.29	0.71	6.39	0.01	0.05	7.24	0.30	0.70	6.38	0.01	0.04
7.25	0.31	0.69	6.38	0.01	0.04	7.26	0.32	0.68	6.37	0.01	0.04
7.27	0.34	0.66	6.37	0.01	0.04	7.28	0.34	0.66	6.36	0.01	0.04
7.29	0.34	0.66	6.36	0.01	0.04	7.30	0.33	0.67	6.35	0.01	0.04
7.31	0.32	0.68	6.35	0.01	0.04	7.32	0.32	0.68	6.34	0.01	0.04
7.33	0.31	0.69	6.34	0.01	0.04	7.34	0.31	0.69	6.33	0.01	0.04
7.35	0.30	0.70	6.33	0.01	0.04	7.36	0.29	0.71	6.32	0.01	0.04
7.37	0.29	0.71	6.32	0.01	0.04	7.38	0.28	0.72	6.31	0.01	0.05
7.39	0.28	0.72	6.31	0.01	0.05	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	0.25	0.75	5.80	0.01	0.04
8.41	0.26	0.74	5.80	0.01	0.04	8.42	0.28	0.72	5.79	0.01	0.04
8.43	0.28	0.72	5.79	0.01	0.04	8.44	0.28	0.72	5.78	0.01	0.04
8.45	0.28	0.72	5.78	0.01	0.04	8.46	0.28	0.72	5.77	0.01	0.04
8.47	0.28	0.72	5.77	0.01	0.04	8.48	0.27	0.73	5.76	0.01	0.04
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	0.27	0.73	4.91	0.01	0.04
10.19	0.27	0.73	4.91	0.01	0.04	10.20	0.27	0.73	4.90	0.01	0.04
10.21	0.28	0.72	4.89	0.01	0.04	10.22	0.28	0.72	4.89	0.01	0.04
10.23	0.28	0.72	4.89	0.01	0.04	10.24	0.28	0.72	4.88	0.01	0.04
10.25	0.28	0.72	4.88	0.01	0.03	10.26	0.28	0.72	4.87	0.01	0.03
10.27	0.28	0.72	4.87	0.01	0.03	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	0.34	0.66	4.46	0.01	0.03
11.09	0.36	0.64	4.46	0.01	0.03	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	0.27	0.73	3.58	0.01	0.03
12.85	0.27	0.73	3.58	0.01	0.03	12.86	0.28	0.72	3.57	0.01	0.03
12.87	0.28	0.72	3.57	0.01	0.03	12.88	0.28	0.72	3.56	0.01	0.03
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	0.28	0.72	3.38	0.01	0.02	13.26	0.28	0.72	3.37	0.01	0.02
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00
13.81	2.00	0.00	3.10	0.01	0.00	13.82	2.00	0.00	3.09	0.01	0.00
13.83	2.00	0.00	3.09	0.01	0.00	13.84	2.00	0.00	3.08	0.01	0.00
13.85	2.00	0.00	3.08	0.01	0.00	13.86	2.00	0.00	3.07	0.01	0.00
13.87	2.00	0.00	3.07	0.01	0.00	13.88	2.00	0.00	3.06	0.01	0.00
13.89	2.00	0.00	3.06	0.01	0.00	13.90	2.00	0.00	3.05	0.01	0.00
13.91	2.00	0.00	3.05	0.01	0.00	13.92	2.00	0.00	3.04	0.01	0.00
13.93	2.00	0.00	3.04	0.01	0.00	13.94	2.00	0.00	3.03	0.01	0.00
13.95	2.00	0.00	3.03	0.01	0.00	13.96	2.00	0.00	3.02	0.01	0.00
13.97	2.00	0.00	3.02	0.01	0.00	13.98	2.00	0.00	3.01	0.01	0.00
13.99	2.00	0.00	3.01	0.01	0.00	14.00	2.00	0.00	3.00	0.01	0.00
14.01	2.00	0.00	3.00	0.01	0.00	14.02	2.00	0.00	2.99	0.01	0.00
14.03	2.00	0.00	2.99	0.01	0.00	14.04	2.00	0.00	2.98	0.01	0.00
14.05	2.00	0.00	2.98	0.01	0.00	14.06	2.00	0.00	2.97	0.01	0.00
14.07	2.00	0.00	2.97	0.01	0.00	14.08	2.00	0.00	2.96	0.01	0.00
14.09	2.00	0.00	2.96	0.01	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.11	2.00	0.00	2.95	0.01	0.00	14.12	2.00	0.00	2.94	0.01	0.00
14.13	2.00	0.00	2.94	0.01	0.00	14.14	2.00	0.00	2.93	0.01	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.16	2.00	0.00	2.92	0.01	0.00
14.17	2.00	0.00	2.92	0.01	0.00	14.18	2.00	0.00	2.91	0.01	0.00
14.19	2.00	0.00	2.91	0.01	0.00	14.20	2.00	0.00	2.90	0.01	0.00
14.21	2.00	0.00	2.90	0.01	0.00	14.22	2.00	0.00	2.89	0.01	0.00
14.23	2.00	0.00	2.89	0.01	0.00	14.24	2.00	0.00	2.88	0.01	0.00
14.25	2.00	0.00	2.88	0.01	0.00	14.26	2.00	0.00	2.87	0.01	0.00
14.27	2.00	0.00	2.87	0.01	0.00	14.28	2.00	0.00	2.86	0.01	0.00
14.29	2.00	0.00	2.86	0.01	0.00	14.30	2.00	0.00	2.85	0.01	0.00
14.31	2.00	0.00	2.85	0.01	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.33	2.00	0.00	2.84	0.01	0.00	14.34	2.00	0.00	2.83	0.01	0.00
14.35	2.00	0.00	2.83	0.01	0.00	14.36	2.00	0.00	2.82	0.01	0.00
14.37	2.00	0.00	2.82	0.01	0.00	14.38	2.00	0.00	2.81	0.01	0.00
14.39	2.00	0.00	2.81	0.01	0.00	14.40	2.00	0.00	2.80	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
14.41	2.00	0.00	2.80	0.01	0.00	14.42	2.00	0.00	2.79	0.01	0.00
14.43	0.33	0.67	2.79	0.01	0.02	14.44	0.33	0.67	2.78	0.01	0.02
14.45	0.34	0.66	2.78	0.01	0.02	14.46	0.35	0.65	2.77	0.01	0.02
14.47	0.35	0.65	2.77	0.01	0.02	14.48	0.35	0.65	2.76	0.01	0.02
14.49	0.35	0.65	2.76	0.01	0.02	14.50	0.36	0.64	2.75	0.01	0.02
14.51	0.36	0.64	2.75	0.01	0.02	14.52	0.36	0.64	2.74	0.01	0.02
14.53	0.37	0.63	2.74	0.01	0.02	14.54	0.40	0.60	2.73	0.01	0.02
14.55	0.42	0.58	2.73	0.01	0.02	14.56	0.41	0.59	2.72	0.01	0.02
14.57	0.40	0.60	2.72	0.01	0.02	14.58	0.41	0.59	2.71	0.01	0.02
14.59	0.41	0.59	2.71	0.01	0.02	14.60	0.42	0.58	2.70	0.01	0.02
14.61	0.43	0.57	2.70	0.01	0.02	14.62	2.00	0.00	2.69	0.01	0.00
14.63	2.00	0.00	2.69	0.01	0.00	14.64	2.00	0.00	2.68	0.01	0.00
14.65	2.00	0.00	2.67	0.01	0.00	14.66	2.00	0.00	2.67	0.01	0.00
14.67	2.00	0.00	2.67	0.01	0.00	14.68	2.00	0.00	2.66	0.01	0.00
14.69	2.00	0.00	2.65	0.01	0.00	14.70	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.01	0.00	14.72	2.00	0.00	2.64	0.01	0.00
14.73	2.00	0.00	2.63	0.01	0.00	14.74	2.00	0.00	2.63	0.01	0.00
14.75	2.00	0.00	2.63	0.01	0.00	14.76	2.00	0.00	2.62	0.01	0.00
14.77	2.00	0.00	2.62	0.01	0.00	14.78	2.00	0.00	2.61	0.01	0.00
14.79	2.00	0.00	2.61	0.01	0.00	14.80	2.00	0.00	2.60	0.01	0.00

**Overall liquefaction potential: 12.61**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

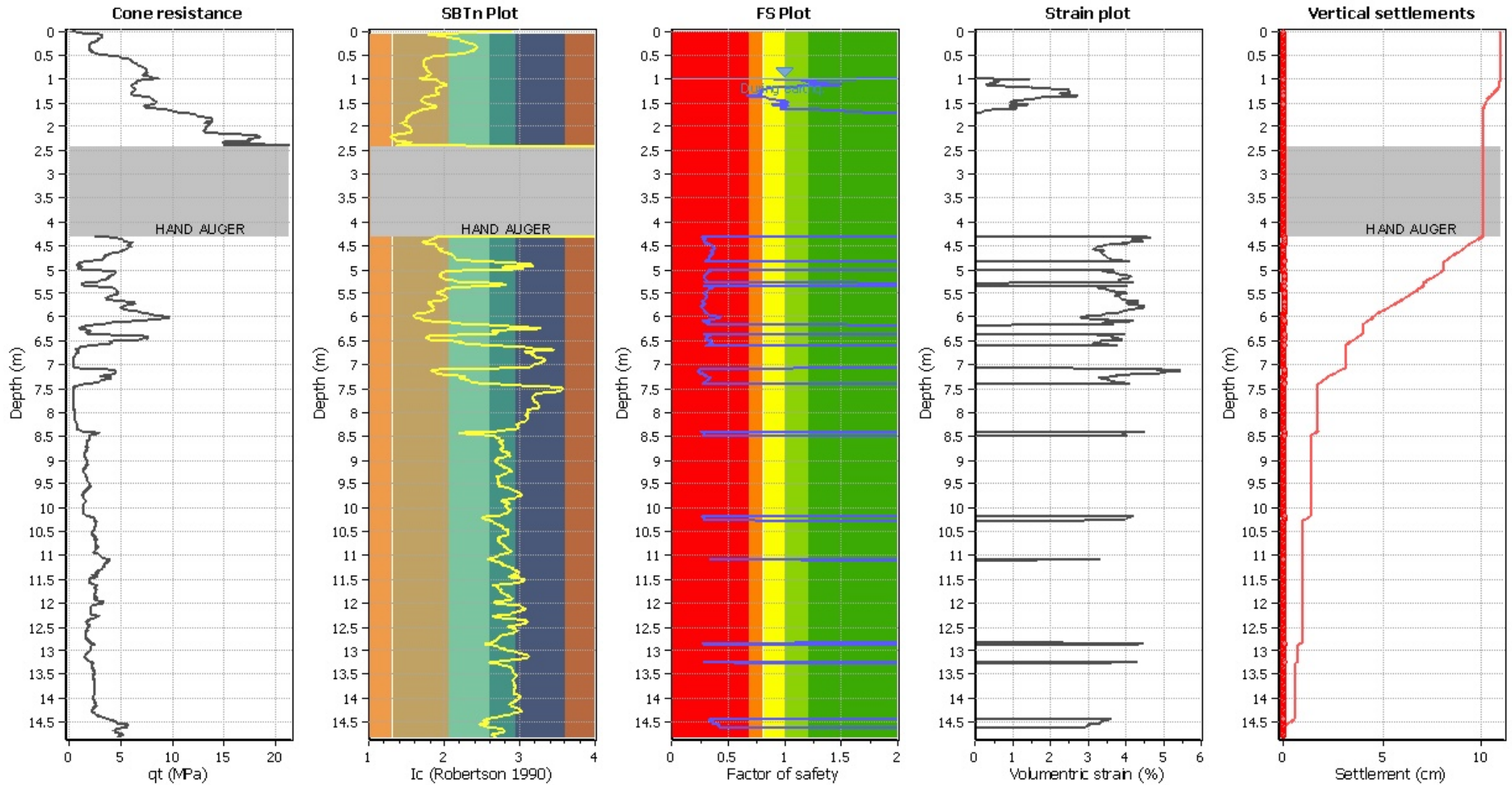
**Abbreviations**

FS: Calculated factor of safety for test point

F<sub>L</sub>: 1 - FSw<sub>z</sub>: Function value of the extend of soil liquefaction according to depthd<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



#### Abbreviations

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

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	151.84	2.00	0.00	1.00	0.00	1.01	127.52	0.91	1.45	1.00	0.01
1.02	134.41	1.04	0.92	1.00	0.01	1.03	144.32	1.30	0.47	1.00	0.00
1.04	142.35	1.23	0.55	1.00	0.01	1.05	140.10	1.16	0.66	1.00	0.01
1.06	140.89	1.17	0.63	1.00	0.01	1.07	142.34	1.21	0.58	1.00	0.01
1.08	144.68	1.27	0.49	1.00	0.00	1.09	146.39	1.32	0.43	1.00	0.00
1.10	148.46	1.39	0.36	1.00	0.00	1.11	149.84	1.44	0.32	1.00	0.00
1.12	151.58	1.50	0.27	1.00	0.00	1.13	150.87	1.47	0.30	1.00	0.00
1.14	149.18	1.39	0.36	1.00	0.00	1.15	142.77	1.18	0.62	1.00	0.01
1.16	136.26	1.01	0.98	1.00	0.01	1.17	131.53	0.91	1.37	1.00	0.01
1.18	130.79	0.90	1.47	1.00	0.01	1.19	130.20	0.88	1.55	1.00	0.02
1.20	128.41	0.85	1.80	1.00	0.02	1.21	127.49	0.83	1.97	1.00	0.02
1.22	126.53	0.81	2.17	1.00	0.02	1.23	125.93	0.80	2.33	1.00	0.02
1.24	125.39	0.79	2.49	1.00	0.02	1.25	125.56	0.79	2.48	1.00	0.02
1.26	124.73	0.78	2.55	1.00	0.03	1.27	125.16	0.78	2.54	1.00	0.03
1.28	126.33	0.79	2.40	1.00	0.02	1.29	126.05	0.79	2.50	1.00	0.03
1.30	127.34	0.80	2.24	1.00	0.02	1.31	127.24	0.80	2.29	1.00	0.02
1.32	126.00	0.78	2.52	1.00	0.03	1.33	125.62	0.77	2.53	1.00	0.03
1.34	122.89	0.73	2.59	1.00	0.03	1.35	120.59	0.70	2.64	1.00	0.03
1.36	117.61	0.67	2.71	1.00	0.03	1.37	123.15	0.73	2.58	1.00	0.03
1.38	126.34	0.77	2.51	1.00	0.03	1.39	131.37	0.84	1.77	1.00	0.02
1.40	133.05	0.87	1.57	1.00	0.02	1.41	134.05	0.88	1.47	1.00	0.01
1.42	134.89	0.89	1.40	1.00	0.01	1.43	136.40	0.92	1.27	1.00	0.01
1.44	137.58	0.94	1.18	1.00	0.01	1.45	138.92	0.97	1.08	1.00	0.01
1.46	141.44	1.02	0.92	1.00	0.01	1.47	141.60	1.02	0.92	1.00	0.01
1.48	141.77	1.02	0.91	1.00	0.01	1.49	141.77	1.02	0.92	1.00	0.01
1.50	141.44	1.01	0.95	1.00	0.01	1.51	140.43	0.98	1.02	1.00	0.01
1.52	137.22	0.91	1.28	1.00	0.01	1.53	136.29	0.89	1.38	1.00	0.01
1.54	136.10	0.89	1.41	1.00	0.01	1.55	138.33	0.93	1.21	1.00	0.01
1.56	138.71	0.93	1.19	1.00	0.01	1.57	141.93	1.00	0.96	1.00	0.01
1.58	142.93	1.02	0.90	1.00	0.01	1.59	141.15	0.98	1.02	1.00	0.01
1.60	142.07	1.00	0.97	1.00	0.01	1.61	140.32	0.96	1.10	1.00	0.01
1.62	140.63	0.96	1.08	1.00	0.01	1.63	148.49	1.17	0.62	1.00	0.01
1.64	151.07	1.25	0.51	1.00	0.01	1.65	154.06	1.36	0.39	1.00	0.00
1.66	158.00	1.53	0.25	1.00	0.00	1.67	158.18	1.53	0.25	1.00	0.00
1.68	158.24	1.53	0.25	1.00	0.00	1.69	159.13	1.57	0.22	1.00	0.00
1.70	160.51	1.64	0.18	1.00	0.00	1.71	162.94	1.78	0.10	1.00	0.00
1.72	171.07	2.00	0.00	1.00	0.00	1.73	175.34	2.00	0.00	1.00	0.00
1.74	178.31	2.00	0.00	1.00	0.00	1.75	181.83	2.00	0.00	1.00	0.00
1.76	182.33	2.00	0.00	1.00	0.00	1.77	182.95	2.00	0.00	1.00	0.00
1.78	186.31	2.00	0.00	1.00	0.00	1.79	188.51	2.00	0.00	1.00	0.00
1.80	190.82	2.00	0.00	1.00	0.00	1.81	195.01	2.00	0.00	1.00	0.00
1.82	196.61	2.00	0.00	1.00	0.00	1.83	198.09	2.00	0.00	1.00	0.00
1.84	198.57	2.00	0.00	1.00	0.00	1.85	197.50	2.00	0.00	1.00	0.00
1.86	196.65	2.00	0.00	1.00	0.00	1.87	197.03	2.00	0.00	1.00	0.00
1.88	197.51	2.00	0.00	1.00	0.00	1.89	197.22	2.00	0.00	1.00	0.00
1.90	196.94	2.00	0.00	1.00	0.00	1.91	178.69	2.00	0.00	1.00	0.00
1.92	193.16	2.00	0.00	1.00	0.00	1.93	193.44	2.00	0.00	1.00	0.00
1.94	193.05	2.00	0.00	1.00	0.00	1.95	191.55	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	190.94	2.00	0.00	1.00	0.00	1.97	190.66	2.00	0.00	1.00	0.00
1.98	189.83	2.00	0.00	1.00	0.00	1.99	188.55	2.00	0.00	1.00	0.00
2.00	186.72	2.00	0.00	1.00	0.00	2.01	185.80	2.00	0.00	1.00	0.00
2.02	186.56	2.00	0.00	1.00	0.00	2.03	186.87	2.00	0.00	1.00	0.00
2.04	186.63	2.00	0.00	1.00	0.00	2.05	186.50	2.00	0.00	1.00	0.00
2.06	186.14	2.00	0.00	1.00	0.00	2.07	185.56	2.00	0.00	1.00	0.00
2.08	182.86	2.00	0.00	1.00	0.00	2.09	181.95	2.00	0.00	1.00	0.00
2.10	182.38	2.00	0.00	1.00	0.00	2.11	187.49	2.00	0.00	1.00	0.00
2.12	191.67	2.00	0.00	1.00	0.00	2.13	196.80	2.00	0.00	1.00	0.00
2.14	209.01	2.00	0.00	1.00	0.00	2.15	215.25	2.00	0.00	1.00	0.00
2.16	227.12	2.00	0.00	1.00	0.00	2.17	230.55	2.00	0.00	1.00	0.00
2.18	233.15	2.00	0.00	1.00	0.00	2.19	237.10	2.00	0.00	1.00	0.00
2.20	237.80	2.00	0.00	1.00	0.00	2.21	238.09	2.00	0.00	1.00	0.00
2.22	239.74	2.00	0.00	1.00	0.00	2.23	238.26	2.00	0.00	1.00	0.00
2.24	236.06	2.00	0.00	1.00	0.00	2.25	232.70	2.00	0.00	1.00	0.00
2.26	228.91	2.00	0.00	1.00	0.00	2.27	227.74	2.00	0.00	1.00	0.00
2.28	225.92	2.00	0.00	1.00	0.00	2.29	236.27	2.00	0.00	1.00	0.00
2.30	220.80	2.00	0.00	1.00	0.00	2.31	205.34	2.00	0.00	1.00	0.00
2.32	194.63	2.00	0.00	1.00	0.00	2.33	198.40	2.00	0.00	1.00	0.00
2.34	210.40	2.00	0.00	1.00	0.00	2.35	215.75	2.00	0.00	1.00	0.00
2.36	227.17	2.00	0.00	1.00	0.00	2.37	236.28	2.00	0.00	1.00	0.00
2.38	243.39	2.00	0.00	1.00	0.00	2.39	254.00	2.00	0.00	1.00	0.00
2.40	254.00	2.00	0.00	1.00	0.00	2.41	-167760.1	2.00	0.00	1.00	0.00
2.42	-167760.1	2.00	0.00	1.00	0.00	2.43	-167760.1	2.00	0.00	1.00	0.00
2.44	-167760.1	2.00	0.00	1.00	0.00	2.45	-167760.1	2.00	0.00	1.00	0.00
2.46	-167760.1	2.00	0.00	1.00	0.00	2.47	-167760.1	2.00	0.00	1.00	0.00
2.48	-167760.1	2.00	0.00	1.00	0.00	2.49	-167760.1	2.00	0.00	1.00	0.00
2.50	-167760.1	2.00	0.00	1.00	0.00	2.51	-167760.1	2.00	0.00	1.00	0.00
2.52	-167760.1	2.00	0.00	1.00	0.00	2.53	-167760.1	2.00	0.00	1.00	0.00
2.54	-167760.1	2.00	0.00	1.00	0.00	2.55	-167760.1	2.00	0.00	1.00	0.00
2.56	-167760.1	2.00	0.00	1.00	0.00	2.57	-167760.1	2.00	0.00	1.00	0.00
2.58	-167760.1	2.00	0.00	1.00	0.00	2.59	-167760.1	2.00	0.00	1.00	0.00
2.60	-167760.1	2.00	0.00	1.00	0.00	2.61	-167760.1	2.00	0.00	1.00	0.00
2.62	-167760.1	2.00	0.00	1.00	0.00	2.63	-167760.1	2.00	0.00	1.00	0.00
2.64	-167760.1	2.00	0.00	1.00	0.00	2.65	-167760.1	2.00	0.00	1.00	0.00
2.66	-167760.1	2.00	0.00	1.00	0.00	2.67	-167760.1	2.00	0.00	1.00	0.00
2.68	-167760.1	2.00	0.00	1.00	0.00	2.69	-167760.1	2.00	0.00	1.00	0.00
2.70	-167760.1	2.00	0.00	1.00	0.00	2.71	-167760.1	2.00	0.00	1.00	0.00
2.72	-167760.1	2.00	0.00	1.00	0.00	2.73	-167760.1	2.00	0.00	1.00	0.00
2.74	-167760.1	2.00	0.00	1.00	0.00	2.75	-167760.1	2.00	0.00	1.00	0.00
2.76	-167760.1	2.00	0.00	1.00	0.00	2.77	-167760.1	2.00	0.00	1.00	0.00
2.78	-167760.1	2.00	0.00	1.00	0.00	2.79	-167760.1	2.00	0.00	1.00	0.00
2.80	-167760.1	2.00	0.00	1.00	0.00	2.81	-167760.1	2.00	0.00	1.00	0.00
2.82	-167760.1	2.00	0.00	1.00	0.00	2.83	-167760.1	2.00	0.00	1.00	0.00
2.84	-167760.1	2.00	0.00	1.00	0.00	2.85	-167760.1	2.00	0.00	1.00	0.00
2.86	-167760.1	2.00	0.00	1.00	0.00	2.87	-167760.1	2.00	0.00	1.00	0.00
2.88	-167760.1	2.00	0.00	1.00	0.00	2.89	-167760.1	2.00	0.00	1.00	0.00
2.90	-167760.1	2.00	0.00	1.00	0.00	2.91	-167760.1	2.00	0.00	1.00	0.00



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	-167760.1	2.00	0.00	1.00	0.00	2.93	-167760.1	2.00	0.00	1.00	0.00
2.94	-167760.1	2.00	0.00	1.00	0.00	2.95	-167760.1	2.00	0.00	1.00	0.00
2.96	-167760.1	2.00	0.00	1.00	0.00	2.97	-167760.1	2.00	0.00	1.00	0.00
2.98	-167760.1	2.00	0.00	1.00	0.00	2.99	-167760.1	2.00	0.00	1.00	0.00
3.00	-167760.1	2.00	0.00	1.00	0.00	3.01	-167760.1	2.00	0.00	1.00	0.00
3.02	-167760.1	2.00	0.00	1.00	0.00	3.03	-167760.1	2.00	0.00	1.00	0.00
3.04	-167760.1	2.00	0.00	1.00	0.00	3.05	-167760.1	2.00	0.00	1.00	0.00
3.06	-167760.1	2.00	0.00	1.00	0.00	3.07	-167760.1	2.00	0.00	1.00	0.00
3.08	-167760.1	2.00	0.00	1.00	0.00	3.09	-167760.1	2.00	0.00	1.00	0.00
3.10	-167760.1	2.00	0.00	1.00	0.00	3.11	-167760.1	2.00	0.00	1.00	0.00
3.12	-167760.1	2.00	0.00	1.00	0.00	3.13	-167760.1	2.00	0.00	1.00	0.00
3.14	-167760.1	2.00	0.00	1.00	0.00	3.15	-167760.1	2.00	0.00	1.00	0.00
3.16	-167760.1	2.00	0.00	1.00	0.00	3.17	-167760.1	2.00	0.00	1.00	0.00
3.18	-167760.1	2.00	0.00	1.00	0.00	3.19	-167760.1	2.00	0.00	1.00	0.00
3.20	-167760.1	2.00	0.00	1.00	0.00	3.21	-167760.1	2.00	0.00	1.00	0.00
3.22	-167760.1	2.00	0.00	1.00	0.00	3.23	-167760.1	2.00	0.00	1.00	0.00
3.24	-167760.1	2.00	0.00	1.00	0.00	3.25	-167760.1	2.00	0.00	1.00	0.00
3.26	-167760.1	2.00	0.00	1.00	0.00	3.27	-167760.1	2.00	0.00	1.00	0.00
3.28	-167760.1	2.00	0.00	1.00	0.00	3.29	-167760.1	2.00	0.00	1.00	0.00
3.30	-167760.1	2.00	0.00	1.00	0.00	3.31	-167760.1	2.00	0.00	1.00	0.00
3.32	-167760.1	2.00	0.00	1.00	0.00	3.33	-167760.1	2.00	0.00	1.00	0.00
3.34	-167760.1	2.00	0.00	1.00	0.00	3.35	-167760.1	2.00	0.00	1.00	0.00
3.36	-167760.1	2.00	0.00	1.00	0.00	3.37	-167760.1	2.00	0.00	1.00	0.00
3.38	-167760.1	2.00	0.00	1.00	0.00	3.39	-167760.1	2.00	0.00	1.00	0.00
3.40	-167760.1	2.00	0.00	1.00	0.00	3.41	-167760.1	2.00	0.00	1.00	0.00
3.42	-167760.1	2.00	0.00	1.00	0.00	3.43	-167760.1	2.00	0.00	1.00	0.00
3.44	-167760.1	2.00	0.00	1.00	0.00	3.45	-167760.1	2.00	0.00	1.00	0.00
3.46	-167760.1	2.00	0.00	1.00	0.00	3.47	-167760.1	2.00	0.00	1.00	0.00
3.48	-167760.1	2.00	0.00	1.00	0.00	3.49	-167760.1	2.00	0.00	1.00	0.00
3.50	-167760.1	2.00	0.00	1.00	0.00	3.51	-167760.1	2.00	0.00	1.00	0.00
3.52	-167760.1	2.00	0.00	1.00	0.00	3.53	-167760.1	2.00	0.00	1.00	0.00
3.54	-167760.1	2.00	0.00	1.00	0.00	3.55	-167760.1	2.00	0.00	1.00	0.00
3.56	-167760.1	2.00	0.00	1.00	0.00	3.57	-167760.1	2.00	0.00	1.00	0.00
3.58	-167760.1	2.00	0.00	1.00	0.00	3.59	-167760.1	2.00	0.00	1.00	0.00
3.60	-167760.1	2.00	0.00	1.00	0.00	3.61	-167760.1	2.00	0.00	1.00	0.00
3.62	-167760.1	2.00	0.00	1.00	0.00	3.63	-167760.1	2.00	0.00	1.00	0.00
3.64	-167760.1	2.00	0.00	1.00	0.00	3.65	-167760.1	2.00	0.00	1.00	0.00
3.66	-167616.4	2.00	0.00	1.00	0.00	3.67	-167382.7	2.00	0.00	1.00	0.00
3.68	-167149.8	2.00	0.00	1.00	0.00	3.69	-166917.6	2.00	0.00	1.00	0.00
3.70	-166686.2	2.00	0.00	1.00	0.00	3.71	-166455.4	2.00	0.00	1.00	0.00
3.72	-166225.4	2.00	0.00	1.00	0.00	3.73	-165996.2	2.00	0.00	1.00	0.00
3.74	-165767.6	2.00	0.00	1.00	0.00	3.75	-165539.8	2.00	0.00	1.00	0.00
3.76	-165312.6	2.00	0.00	1.00	0.00	3.77	-165086.2	2.00	0.00	1.00	0.00
3.78	-164860.5	2.00	0.00	1.00	0.00	3.79	-164635.5	2.00	0.00	1.00	0.00
3.80	-164411.2	2.00	0.00	1.00	0.00	3.81	-164187.5	2.00	0.00	1.00	0.00
3.82	-163964.6	2.00	0.00	1.00	0.00	3.83	-163742.4	2.00	0.00	1.00	0.00
3.84	-163520.8	2.00	0.00	1.00	0.00	3.85	-163300.0	2.00	0.00	1.00	0.00
3.86	-163079.8	2.00	0.00	1.00	0.00	3.87	-162860.2	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	-162641.4	2.00	0.00	1.00	0.00	3.89	-162423.2	2.00	0.00	1.00	0.00
3.90	-162205.7	2.00	0.00	1.00	0.00	3.91	-161988.9	2.00	0.00	1.00	0.00
3.92	-161772.7	2.00	0.00	1.00	0.00	3.93	-161557.1	2.00	0.00	1.00	0.00
3.94	-161342.3	2.00	0.00	1.00	0.00	3.95	-161128.0	2.00	0.00	1.00	0.00
3.96	-160914.5	2.00	0.00	1.00	0.00	3.97	-160701.5	2.00	0.00	1.00	0.00
3.98	-160489.2	2.00	0.00	1.00	0.00	3.99	-160277.6	2.00	0.00	1.00	0.00
4.00	-160066.6	2.00	0.00	1.00	0.00	4.01	-159856.2	2.00	0.00	1.00	0.00
4.02	-159646.4	2.00	0.00	1.00	0.00	4.03	-159437.3	2.00	0.00	1.00	0.00
4.04	-159228.8	2.00	0.00	1.00	0.00	4.05	-159020.9	2.00	0.00	1.00	0.00
4.06	-158813.6	2.00	0.00	1.00	0.00	4.07	-158606.9	2.00	0.00	1.00	0.00
4.08	-158400.9	2.00	0.00	1.00	0.00	4.09	-158195.5	2.00	0.00	1.00	0.00
4.10	-157990.6	2.00	0.00	1.00	0.00	4.11	-157786.4	2.00	0.00	1.00	0.00
4.12	-157582.8	2.00	0.00	1.00	0.00	4.13	-157379.7	2.00	0.00	1.00	0.00
4.14	-157177.3	2.00	0.00	1.00	0.00	4.15	-156975.5	2.00	0.00	1.00	0.00
4.16	-156774.2	2.00	0.00	1.00	0.00	4.17	-156573.6	2.00	0.00	1.00	0.00
4.18	-156373.5	2.00	0.00	1.00	0.00	4.19	-156174.0	2.00	0.00	1.00	0.00
4.20	-155975.1	2.00	0.00	1.00	0.00	4.21	-155776.7	2.00	0.00	1.00	0.00
4.22	-155579.0	2.00	0.00	1.00	0.00	4.23	-155381.8	2.00	0.00	1.00	0.00
4.24	-155185.1	2.00	0.00	1.00	0.00	4.25	-154989.1	2.00	0.00	1.00	0.00
4.26	-154793.6	2.00	0.00	1.00	0.00	4.27	-154598.6	2.00	0.00	1.00	0.00
4.28	-154404.3	2.00	0.00	1.00	0.00	4.29	-154210.4	2.00	0.00	1.00	0.00
4.30	-154017.2	2.00	0.00	1.00	0.00	4.31	92.33	0.35	3.48	1.00	0.03
4.32	69.96	0.28	4.55	1.00	0.05	4.33	68.04	0.27	4.67	1.00	0.05
4.34	75.80	0.29	4.22	1.00	0.04	4.35	72.74	0.28	4.39	1.00	0.04
4.36	77.01	0.29	4.16	1.00	0.04	4.37	73.68	0.28	4.34	1.00	0.04
4.38	74.48	0.29	4.29	1.00	0.04	4.39	71.18	0.28	4.48	1.00	0.04
4.40	73.57	0.28	4.34	1.00	0.04	4.41	73.43	0.28	4.35	1.00	0.04
4.42	79.06	0.30	4.05	1.00	0.04	4.43	79.01	0.30	4.06	1.00	0.04
4.44	82.55	0.31	3.89	1.00	0.04	4.45	82.54	0.31	3.89	1.00	0.04
4.46	79.76	0.30	4.02	1.00	0.04	4.47	91.17	0.34	3.53	1.00	0.04
4.48	91.92	0.34	3.50	1.00	0.03	4.49	93.98	0.35	3.42	1.00	0.03
4.50	95.35	0.35	3.37	1.00	0.03	4.51	96.62	0.36	3.33	1.00	0.03
4.52	97.59	0.36	3.29	1.00	0.03	4.53	99.41	0.37	3.23	1.00	0.03
4.54	100.19	0.37	3.21	1.00	0.03	4.55	102.16	0.38	3.14	1.00	0.03
4.56	103.02	0.39	3.12	1.00	0.03	4.57	100.78	0.38	3.19	1.00	0.03
4.58	96.42	0.36	3.33	1.00	0.03	4.59	93.67	0.35	3.43	1.00	0.03
4.60	94.40	0.35	3.41	1.00	0.03	4.61	95.47	0.35	3.37	1.00	0.03
4.62	96.92	0.36	3.32	1.00	0.03	4.63	96.40	0.36	3.34	1.00	0.03
4.64	97.23	0.36	3.31	1.00	0.03	4.65	97.72	0.36	3.29	1.00	0.03
4.66	96.30	0.36	3.34	1.00	0.03	4.67	95.95	0.35	3.35	1.00	0.03
4.68	95.46	0.35	3.37	1.00	0.03	4.69	94.84	0.35	3.39	1.00	0.03
4.70	94.32	0.35	3.41	1.00	0.03	4.71	92.97	0.34	3.46	1.00	0.03
4.72	92.59	0.34	3.47	1.00	0.03	4.73	92.17	0.34	3.49	1.00	0.03
4.74	91.94	0.34	3.50	1.00	0.03	4.75	91.53	0.34	3.51	1.00	0.04
4.76	91.08	0.33	3.53	1.00	0.04	4.77	90.51	0.33	3.55	1.00	0.04
4.78	89.87	0.33	3.58	1.00	0.04	4.79	89.06	0.33	3.61	1.00	0.04
4.80	89.31	0.33	3.60	1.00	0.04	4.81	83.43	0.31	3.85	1.00	0.04
4.82	81.00	0.30	3.96	1.00	0.04	4.83	77.99	0.29	4.11	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	18.93	2.00	0.00	1.00	0.00	4.85	16.35	2.00	0.00	1.00	0.00
4.86	13.39	2.00	0.00	1.00	0.00	4.87	12.60	2.00	0.00	1.00	0.00
4.88	11.94	2.00	0.00	1.00	0.00	4.89	11.17	2.00	0.00	1.00	0.00
4.90	10.64	2.00	0.00	1.00	0.00	4.91	10.64	2.00	0.00	1.00	0.00
4.92	10.63	2.00	0.00	1.00	0.00	4.93	17.00	2.00	0.00	1.00	0.00
4.94	17.13	2.00	0.00	1.00	0.00	4.95	14.07	2.00	0.00	1.00	0.00
4.96	13.03	2.00	0.00	1.00	0.00	4.97	12.25	2.00	0.00	1.00	0.00
4.98	11.35	2.00	0.00	1.00	0.00	4.99	10.32	2.00	0.00	1.00	0.00
5.00	13.78	2.00	0.00	1.00	0.00	5.01	87.08	0.32	3.69	1.00	0.04
5.02	93.06	0.34	3.46	1.00	0.03	5.03	96.29	0.35	3.34	1.00	0.03
5.04	94.23	0.34	3.41	1.00	0.03	5.05	93.07	0.34	3.46	1.00	0.03
5.06	90.17	0.33	3.57	1.00	0.04	5.07	88.59	0.32	3.63	1.00	0.04
5.08	86.50	0.31	3.72	1.00	0.04	5.09	84.30	0.31	3.81	1.00	0.04
5.10	82.95	0.30	3.87	1.00	0.04	5.11	81.11	0.30	3.96	1.00	0.04
5.12	78.55	0.29	4.08	1.00	0.04	5.13	77.46	0.29	4.13	1.00	0.04
5.14	77.29	0.29	4.14	1.00	0.04	5.15	77.58	0.29	4.13	1.00	0.04
5.16	77.80	0.29	4.12	1.00	0.04	5.17	78.19	0.29	4.10	1.00	0.04
5.18	79.26	0.29	4.05	1.00	0.04	5.19	80.73	0.29	3.97	1.00	0.04
5.20	82.47	0.30	3.89	1.00	0.04	5.21	83.74	0.30	3.84	1.00	0.04
5.22	85.01	0.31	3.78	1.00	0.04	5.23	85.07	0.31	3.78	1.00	0.04
5.24	84.71	0.31	3.79	1.00	0.04	5.25	84.85	0.31	3.79	1.00	0.04
5.26	77.80	0.29	4.12	1.00	0.04	5.27	76.66	0.28	4.18	1.00	0.04
5.28	18.66	2.00	0.00	1.00	0.00	5.29	17.03	2.00	0.00	1.00	0.00
5.30	16.51	2.00	0.00	1.00	0.00	5.31	15.87	2.00	0.00	1.00	0.00
5.32	15.61	2.00	0.00	1.00	0.00	5.33	16.22	2.00	0.00	1.00	0.00
5.34	18.69	2.00	0.00	1.00	0.00	5.35	79.12	0.29	4.05	1.00	0.04
5.36	90.87	0.33	3.54	1.00	0.04	5.37	93.94	0.34	3.42	1.00	0.03
5.38	95.55	0.34	3.37	1.00	0.03	5.39	99.49	0.36	3.23	1.00	0.03
5.40	96.57	0.35	3.33	1.00	0.03	5.41	95.19	0.34	3.38	1.00	0.03
5.42	93.10	0.33	3.45	1.00	0.03	5.43	91.20	0.33	3.53	1.00	0.04
5.44	89.58	0.32	3.59	1.00	0.04	5.45	87.98	0.31	3.65	1.00	0.04
5.46	85.80	0.31	3.75	1.00	0.04	5.47	82.80	0.30	3.88	1.00	0.04
5.48	80.76	0.29	3.97	1.00	0.04	5.49	79.55	0.29	4.03	1.00	0.04
5.50	80.28	0.29	4.00	1.00	0.04	5.51	81.49	0.29	3.94	1.00	0.04
5.52	83.67	0.30	3.84	1.00	0.04	5.53	84.81	0.30	3.79	1.00	0.04
5.54	86.25	0.31	3.73	1.00	0.04	5.55	86.66	0.31	3.71	1.00	0.04
5.56	86.24	0.31	3.73	1.00	0.04	5.57	84.49	0.30	3.80	1.00	0.04
5.58	84.36	0.30	3.81	1.00	0.04	5.59	83.98	0.30	3.82	1.00	0.04
5.60	83.58	0.30	3.84	1.00	0.04	5.61	82.67	0.30	3.88	1.00	0.04
5.62	82.82	0.30	3.88	1.00	0.04	5.63	82.37	0.30	3.90	1.00	0.04
5.64	79.37	0.29	4.04	1.00	0.04	5.65	79.73	0.29	4.02	1.00	0.04
5.66	74.79	0.27	4.27	1.00	0.04	5.67	73.35	0.27	4.35	1.00	0.04
5.68	75.10	0.27	4.26	1.00	0.04	5.69	79.40	0.29	4.04	1.00	0.04
5.70	80.06	0.29	4.01	1.00	0.04	5.71	80.25	0.29	4.00	1.00	0.04
5.72	80.36	0.29	3.99	1.00	0.04	5.73	77.65	0.28	4.13	1.00	0.04
5.74	76.24	0.28	4.20	1.00	0.04	5.75	74.37	0.27	4.30	1.00	0.04
5.76	72.55	0.27	4.40	1.00	0.04	5.77	71.71	0.27	4.45	1.00	0.04
5.78	70.55	0.26	4.52	1.00	0.05	5.79	71.16	0.26	4.48	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	72.01	0.27	4.43	1.00	0.04	5.81	73.24	0.27	4.36	1.00	0.04
5.82	76.12	0.28	4.20	1.00	0.04	5.83	77.52	0.28	4.13	1.00	0.04
5.84	78.23	0.28	4.10	1.00	0.04	5.85	80.16	0.29	4.00	1.00	0.04
5.86	80.10	0.29	4.00	1.00	0.04	5.87	80.23	0.29	4.00	1.00	0.04
5.88	80.85	0.29	3.97	1.00	0.04	5.89	83.26	0.30	3.86	1.00	0.04
5.90	84.49	0.30	3.80	1.00	0.04	5.91	84.39	0.30	3.81	1.00	0.04
5.92	84.13	0.30	3.82	1.00	0.04	5.93	89.11	0.31	3.61	1.00	0.04
5.94	92.51	0.33	3.48	1.00	0.03	5.95	95.80	0.34	3.36	1.00	0.03
5.96	103.06	0.37	3.12	1.00	0.03	5.97	106.54	0.39	3.01	1.00	0.03
5.98	109.43	0.40	2.93	1.00	0.03	5.99	111.33	0.41	2.88	1.00	0.03
6.00	113.98	0.43	2.80	1.00	0.03	6.01	113.60	0.43	2.81	1.00	0.03
6.02	110.83	0.41	2.89	1.00	0.03	6.03	108.17	0.40	2.96	1.00	0.03
6.04	104.19	0.37	3.08	1.00	0.03	6.05	95.94	0.34	3.35	1.00	0.03
6.06	91.90	0.32	3.50	1.00	0.03	6.07	87.99	0.31	3.65	1.00	0.04
6.08	83.51	0.30	3.85	1.00	0.04	6.09	76.24	0.28	4.20	1.00	0.04
6.10	83.88	0.30	3.83	1.00	0.04	6.11	91.28	0.32	3.52	1.00	0.04
6.12	94.44	0.33	3.40	1.00	0.03	6.13	95.67	0.34	3.36	1.00	0.03
6.14	88.75	0.31	3.62	1.00	0.04	6.15	86.86	0.31	3.70	1.00	0.04
6.16	26.08	2.00	0.00	1.00	0.00	6.17	22.68	2.00	0.00	1.00	0.00
6.18	20.90	2.00	0.00	1.00	0.00	6.19	18.19	2.00	0.00	1.00	0.00
6.20	16.41	2.00	0.00	1.00	0.00	6.21	14.88	2.00	0.00	1.00	0.00
6.22	12.27	2.00	0.00	1.00	0.00	6.23	10.96	2.00	0.00	1.00	0.00
6.24	10.83	2.00	0.00	1.00	0.00	6.25	11.06	2.00	0.00	1.00	0.00
6.26	15.88	2.00	0.00	1.00	0.00	6.27	19.04	2.00	0.00	1.00	0.00
6.28	21.72	2.00	0.00	1.00	0.00	6.29	24.72	2.00	0.00	1.00	0.00
6.30	24.49	2.00	0.00	1.00	0.00	6.31	23.20	2.00	0.00	1.00	0.00
6.32	21.44	2.00	0.00	1.00	0.00	6.33	19.46	2.00	0.00	1.00	0.00
6.34	18.29	2.00	0.00	1.00	0.00	6.35	81.06	0.29	3.96	1.00	0.04
6.36	89.23	0.31	3.60	1.00	0.04	6.37	93.36	0.33	3.44	1.00	0.03
6.38	99.71	0.35	3.22	1.00	0.03	6.39	86.68	0.30	3.71	1.00	0.04
6.40	89.48	0.31	3.59	1.00	0.04	6.41	89.85	0.31	3.58	1.00	0.04
6.42	89.23	0.31	3.60	1.00	0.04	6.43	88.37	0.31	3.64	1.00	0.04
6.44	86.45	0.30	3.72	1.00	0.04	6.45	84.29	0.30	3.81	1.00	0.04
6.46	81.94	0.29	3.92	1.00	0.04	6.47	87.69	0.31	3.67	1.00	0.04
6.48	92.22	0.32	3.49	1.00	0.03	6.49	97.23	0.34	3.31	1.00	0.03
6.50	96.84	0.34	3.32	1.00	0.03	6.51	96.35	0.34	3.34	1.00	0.03
6.52	97.08	0.34	3.31	1.00	0.03	6.53	98.84	0.35	3.25	1.00	0.03
6.54	101.39	0.36	3.17	1.00	0.03	6.55	102.72	0.36	3.13	1.00	0.03
6.56	100.98	0.36	3.18	1.00	0.03	6.57	97.18	0.34	3.31	1.00	0.03
6.58	93.64	0.33	3.43	1.00	0.03	6.59	85.65	0.30	3.75	1.00	0.04
6.60	24.86	2.00	0.00	1.00	0.00	6.61	21.76	2.00	0.00	1.00	0.00
6.62	16.70	2.00	0.00	1.00	0.00	6.63	14.85	2.00	0.00	1.00	0.00
6.64	13.46	2.00	0.00	1.00	0.00	6.65	11.95	2.00	0.00	1.00	0.00
6.66	9.28	2.00	0.00	1.00	0.00	6.67	8.22	2.00	0.00	1.00	0.00
6.68	7.64	2.00	0.00	1.00	0.00	6.69	7.75	2.00	0.00	1.00	0.00
6.70	8.67	2.00	0.00	1.00	0.00	6.71	11.44	2.00	0.00	1.00	0.00
6.72	12.01	2.00	0.00	1.00	0.00	6.73	11.43	2.00	0.00	1.00	0.00
6.74	10.85	2.00	0.00	1.00	0.00	6.75	9.34	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	8.65	2.00	0.00	1.00	0.00	6.77	8.18	2.00	0.00	1.00	0.00
6.78	7.94	2.00	0.00	1.00	0.00	6.79	7.13	2.00	0.00	1.00	0.00
6.80	6.66	2.00	0.00	1.00	0.00	6.81	6.31	2.00	0.00	1.00	0.00
6.82	6.08	2.00	0.00	1.00	0.00	6.83	5.61	2.00	0.00	1.00	0.00
6.84	5.49	2.00	0.00	1.00	0.00	6.85	5.37	2.00	0.00	1.00	0.00
6.86	5.25	2.00	0.00	1.00	0.00	6.87	5.14	2.00	0.00	1.00	0.00
6.88	5.13	2.00	0.00	1.00	0.00	6.89	5.13	2.00	0.00	1.00	0.00
6.90	5.13	2.00	0.00	1.00	0.00	6.91	5.13	2.00	0.00	1.00	0.00
6.92	5.12	2.00	0.00	1.00	0.00	6.93	5.01	2.00	0.00	1.00	0.00
6.94	5.00	2.00	0.00	1.00	0.00	6.95	5.00	2.00	0.00	1.00	0.00
6.96	5.00	2.00	0.00	1.00	0.00	6.97	5.00	2.00	0.00	1.00	0.00
6.98	5.11	2.00	0.00	1.00	0.00	6.99	5.11	2.00	0.00	1.00	0.00
7.00	5.11	2.00	0.00	1.00	0.00	7.01	5.34	2.00	0.00	1.00	0.00
7.02	5.33	2.00	0.00	1.00	0.00	7.03	5.33	2.00	0.00	1.00	0.00
7.04	5.45	2.00	0.00	1.00	0.00	7.05	5.79	2.00	0.00	1.00	0.00
7.06	6.13	2.00	0.00	1.00	0.00	7.07	63.70	0.24	4.96	1.00	0.05
7.08	75.27	0.27	4.25	1.00	0.04	7.09	72.44	0.26	4.41	1.00	0.04
7.10	68.73	0.25	4.63	1.00	0.05	7.11	61.44	0.24	5.12	1.00	0.05
7.12	58.97	0.23	5.32	1.00	0.05	7.13	57.09	0.23	5.47	1.00	0.05
7.14	58.05	0.23	5.39	1.00	0.05	7.15	59.72	0.23	5.26	1.00	0.05
7.16	62.11	0.24	5.07	1.00	0.05	7.17	65.01	0.24	4.87	1.00	0.05
7.18	70.16	0.26	4.54	1.00	0.05	7.19	73.97	0.27	4.32	1.00	0.04
7.20	79.18	0.28	4.05	1.00	0.04	7.21	82.31	0.29	3.90	1.00	0.04
7.22	85.70	0.30	3.75	1.00	0.04	7.23	85.02	0.29	3.78	1.00	0.04
7.24	86.74	0.30	3.71	1.00	0.04	7.25	88.87	0.31	3.62	1.00	0.04
7.26	91.50	0.32	3.51	1.00	0.04	7.27	98.00	0.34	3.28	1.00	0.03
7.28	97.48	0.34	3.30	1.00	0.03	7.29	96.89	0.34	3.32	1.00	0.03
7.30	96.28	0.33	3.34	1.00	0.03	7.31	93.03	0.32	3.46	1.00	0.03
7.32	92.13	0.32	3.49	1.00	0.03	7.33	90.94	0.31	3.54	1.00	0.04
7.34	89.77	0.31	3.58	1.00	0.04	7.35	86.22	0.30	3.73	1.00	0.04
7.36	84.54	0.29	3.80	1.00	0.04	7.37	82.69	0.29	3.88	1.00	0.04
7.38	80.58	0.28	3.98	1.00	0.04	7.39	78.18	0.28	4.10	1.00	0.04
7.40	16.01	2.00	0.00	1.00	0.00	7.41	13.77	2.00	0.00	1.00	0.00
7.42	12.30	2.00	0.00	1.00	0.00	7.43	10.84	2.00	0.00	1.00	0.00
7.44	8.71	2.00	0.00	1.00	0.00	7.45	7.58	2.00	0.00	1.00	0.00
7.46	6.57	2.00	0.00	1.00	0.00	7.47	5.77	2.00	0.00	1.00	0.00
7.48	5.21	2.00	0.00	1.00	0.00	7.49	5.21	2.00	0.00	1.00	0.00
7.50	5.09	2.00	0.00	1.00	0.00	7.51	4.98	2.00	0.00	1.00	0.00
7.52	4.97	2.00	0.00	1.00	0.00	7.53	4.86	2.00	0.00	1.00	0.00
7.54	4.86	2.00	0.00	1.00	0.00	7.55	4.85	2.00	0.00	1.00	0.00
7.56	4.85	2.00	0.00	1.00	0.00	7.57	4.85	2.00	0.00	1.00	0.00
7.58	5.07	2.00	0.00	1.00	0.00	7.59	5.18	2.00	0.00	1.00	0.00
7.60	5.18	2.00	0.00	1.00	0.00	7.61	5.07	2.00	0.00	1.00	0.00
7.62	4.84	2.00	0.00	1.00	0.00	7.63	4.73	2.00	0.00	1.00	0.00
7.64	4.84	2.00	0.00	1.00	0.00	7.65	4.95	2.00	0.00	1.00	0.00
7.66	5.06	2.00	0.00	1.00	0.00	7.67	5.06	2.00	0.00	1.00	0.00
7.68	5.05	2.00	0.00	1.00	0.00	7.69	5.05	2.00	0.00	1.00	0.00
7.70	5.05	2.00	0.00	1.00	0.00	7.71	5.05	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	5.05	2.00	0.00	1.00	0.00	7.73	5.05	2.00	0.00	1.00	0.00
7.74	5.04	2.00	0.00	1.00	0.00	7.75	5.15	2.00	0.00	1.00	0.00
7.76	5.15	2.00	0.00	1.00	0.00	7.77	5.15	2.00	0.00	1.00	0.00
7.78	5.15	2.00	0.00	1.00	0.00	7.79	4.92	2.00	0.00	1.00	0.00
7.80	4.81	2.00	0.00	1.00	0.00	7.81	4.81	2.00	0.00	1.00	0.00
7.82	4.81	2.00	0.00	1.00	0.00	7.83	4.81	2.00	0.00	1.00	0.00
7.84	4.80	2.00	0.00	1.00	0.00	7.85	4.80	2.00	0.00	1.00	0.00
7.86	4.80	2.00	0.00	1.00	0.00	7.87	4.80	2.00	0.00	1.00	0.00
7.88	4.80	2.00	0.00	1.00	0.00	7.89	4.80	2.00	0.00	1.00	0.00
7.90	4.79	2.00	0.00	1.00	0.00	7.91	4.79	2.00	0.00	1.00	0.00
7.92	4.79	2.00	0.00	1.00	0.00	7.93	5.12	2.00	0.00	1.00	0.00
7.94	5.12	2.00	0.00	1.00	0.00	7.95	5.23	2.00	0.00	1.00	0.00
7.96	5.23	2.00	0.00	1.00	0.00	7.97	5.23	2.00	0.00	1.00	0.00
7.98	5.22	2.00	0.00	1.00	0.00	7.99	5.22	2.00	0.00	1.00	0.00
8.00	5.22	2.00	0.00	1.00	0.00	8.01	5.33	2.00	0.00	1.00	0.00
8.02	5.55	2.00	0.00	1.00	0.00	8.03	5.55	2.00	0.00	1.00	0.00
8.04	5.65	2.00	0.00	1.00	0.00	8.05	5.76	2.00	0.00	1.00	0.00
8.06	5.76	2.00	0.00	1.00	0.00	8.07	5.87	2.00	0.00	1.00	0.00
8.08	5.87	2.00	0.00	1.00	0.00	8.09	5.87	2.00	0.00	1.00	0.00
8.10	5.97	2.00	0.00	1.00	0.00	8.11	5.97	2.00	0.00	1.00	0.00
8.12	6.08	2.00	0.00	1.00	0.00	8.13	6.19	2.00	0.00	1.00	0.00
8.14	6.18	2.00	0.00	1.00	0.00	8.15	6.29	2.00	0.00	1.00	0.00
8.16	6.51	2.00	0.00	1.00	0.00	8.17	6.62	2.00	0.00	1.00	0.00
8.18	6.83	2.00	0.00	1.00	0.00	8.19	6.83	2.00	0.00	1.00	0.00
8.20	7.05	2.00	0.00	1.00	0.00	8.21	7.37	2.00	0.00	1.00	0.00
8.22	7.81	2.00	0.00	1.00	0.00	8.23	8.24	2.00	0.00	1.00	0.00
8.24	8.56	2.00	0.00	1.00	0.00	8.25	8.67	2.00	0.00	1.00	0.00
8.26	8.67	2.00	0.00	1.00	0.00	8.27	8.66	2.00	0.00	1.00	0.00
8.28	8.55	2.00	0.00	1.00	0.00	8.29	8.66	2.00	0.00	1.00	0.00
8.30	8.76	2.00	0.00	1.00	0.00	8.31	8.76	2.00	0.00	1.00	0.00
8.32	8.97	2.00	0.00	1.00	0.00	8.33	9.18	2.00	0.00	1.00	0.00
8.34	9.18	2.00	0.00	1.00	0.00	8.35	9.29	2.00	0.00	1.00	0.00
8.36	9.39	2.00	0.00	1.00	0.00	8.37	9.60	2.00	0.00	1.00	0.00
8.38	11.12	2.00	0.00	1.00	0.00	8.39	12.31	2.00	0.00	1.00	0.00
8.40	71.13	0.25	4.48	1.00	0.04	8.41	73.80	0.26	4.33	1.00	0.04
8.42	82.25	0.28	3.90	1.00	0.04	8.43	81.81	0.28	3.92	1.00	0.04
8.44	81.49	0.28	3.94	1.00	0.04	8.45	80.57	0.28	3.98	1.00	0.04
8.46	80.76	0.28	3.97	1.00	0.04	8.47	80.83	0.28	3.97	1.00	0.04
8.48	79.19	0.27	4.05	1.00	0.04	8.49	20.30	2.00	0.00	1.00	0.00
8.50	19.86	2.00	0.00	1.00	0.00	8.51	19.95	2.00	0.00	1.00	0.00
8.52	19.94	2.00	0.00	1.00	0.00	8.53	20.04	2.00	0.00	1.00	0.00
8.54	20.03	2.00	0.00	1.00	0.00	8.55	20.12	2.00	0.00	1.00	0.00
8.56	20.11	2.00	0.00	1.00	0.00	8.57	20.10	2.00	0.00	1.00	0.00
8.58	19.66	2.00	0.00	1.00	0.00	8.59	19.44	2.00	0.00	1.00	0.00
8.60	19.43	2.00	0.00	1.00	0.00	8.61	19.42	2.00	0.00	1.00	0.00
8.62	19.31	2.00	0.00	1.00	0.00	8.63	19.09	2.00	0.00	1.00	0.00
8.64	18.87	2.00	0.00	1.00	0.00	8.65	18.64	2.00	0.00	1.00	0.00
8.66	18.63	2.00	0.00	1.00	0.00	8.67	18.52	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	18.19	2.00	0.00	1.00	0.00	8.69	18.08	2.00	0.00	1.00	0.00
8.70	18.28	2.00	0.00	1.00	0.00	8.71	18.06	2.00	0.00	1.00	0.00
8.72	18.05	2.00	0.00	1.00	0.00	8.73	18.36	2.00	0.00	1.00	0.00
8.74	18.46	2.00	0.00	1.00	0.00	8.75	18.34	2.00	0.00	1.00	0.00
8.76	18.33	2.00	0.00	1.00	0.00	8.77	18.43	2.00	0.00	1.00	0.00
8.78	18.31	2.00	0.00	1.00	0.00	8.79	17.99	2.00	0.00	1.00	0.00
8.80	17.77	2.00	0.00	1.00	0.00	8.81	17.55	2.00	0.00	1.00	0.00
8.82	16.70	2.00	0.00	1.00	0.00	8.83	16.37	2.00	0.00	1.00	0.00
8.84	15.94	2.00	0.00	1.00	0.00	8.85	15.72	2.00	0.00	1.00	0.00
8.86	15.29	2.00	0.00	1.00	0.00	8.87	15.28	2.00	0.00	1.00	0.00
8.88	15.17	2.00	0.00	1.00	0.00	8.89	15.16	2.00	0.00	1.00	0.00
8.90	15.16	2.00	0.00	1.00	0.00	8.91	15.15	2.00	0.00	1.00	0.00
8.92	15.14	2.00	0.00	1.00	0.00	8.93	16.82	2.00	0.00	1.00	0.00
8.94	17.13	2.00	0.00	1.00	0.00	8.95	17.23	2.00	0.00	1.00	0.00
8.96	17.22	2.00	0.00	1.00	0.00	8.97	17.21	2.00	0.00	1.00	0.00
8.98	17.41	2.00	0.00	1.00	0.00	8.99	17.62	2.00	0.00	1.00	0.00
9.00	17.71	2.00	0.00	1.00	0.00	9.01	18.02	2.00	0.00	1.00	0.00
9.02	18.33	2.00	0.00	1.00	0.00	9.03	18.53	2.00	0.00	1.00	0.00
9.04	18.62	2.00	0.00	1.00	0.00	9.05	18.61	2.00	0.00	1.00	0.00
9.06	18.40	2.00	0.00	1.00	0.00	9.07	18.07	2.00	0.00	1.00	0.00
9.08	17.96	2.00	0.00	1.00	0.00	9.09	18.16	2.00	0.00	1.00	0.00
9.10	17.73	2.00	0.00	1.00	0.00	9.11	17.41	2.00	0.00	1.00	0.00
9.12	17.40	2.00	0.00	1.00	0.00	9.13	16.77	2.00	0.00	1.00	0.00
9.14	16.66	2.00	0.00	1.00	0.00	9.15	16.44	2.00	0.00	1.00	0.00
9.16	16.33	2.00	0.00	1.00	0.00	9.17	15.59	2.00	0.00	1.00	0.00
9.18	15.17	2.00	0.00	1.00	0.00	9.19	14.85	2.00	0.00	1.00	0.00
9.20	14.74	2.00	0.00	1.00	0.00	9.21	14.53	2.00	0.00	1.00	0.00
9.22	14.31	2.00	0.00	1.00	0.00	9.23	14.20	2.00	0.00	1.00	0.00
9.24	13.99	2.00	0.00	1.00	0.00	9.25	14.19	2.00	0.00	1.00	0.00
9.26	14.49	2.00	0.00	1.00	0.00	9.27	14.80	2.00	0.00	1.00	0.00
9.28	15.31	2.00	0.00	1.00	0.00	9.29	16.13	2.00	0.00	1.00	0.00
9.30	16.33	2.00	0.00	1.00	0.00	9.31	16.33	2.00	0.00	1.00	0.00
9.32	16.42	2.00	0.00	1.00	0.00	9.33	16.52	2.00	0.00	1.00	0.00
9.34	17.24	2.00	0.00	1.00	0.00	9.35	17.43	2.00	0.00	1.00	0.00
9.36	17.32	2.00	0.00	1.00	0.00	9.37	17.32	2.00	0.00	1.00	0.00
9.38	17.72	2.00	0.00	1.00	0.00	9.39	17.92	2.00	0.00	1.00	0.00
9.40	18.01	2.00	0.00	1.00	0.00	9.41	18.21	2.00	0.00	1.00	0.00
9.42	18.41	2.00	0.00	1.00	0.00	9.43	18.61	2.00	0.00	1.00	0.00
9.44	18.91	2.00	0.00	1.00	0.00	9.45	19.10	2.00	0.00	1.00	0.00
9.46	19.09	2.00	0.00	1.00	0.00	9.47	19.39	2.00	0.00	1.00	0.00
9.48	19.69	2.00	0.00	1.00	0.00	9.49	19.89	2.00	0.00	1.00	0.00
9.50	20.08	2.00	0.00	1.00	0.00	9.51	20.48	2.00	0.00	1.00	0.00
9.52	20.58	2.00	0.00	1.00	0.00	9.53	20.67	2.00	0.00	1.00	0.00
9.54	20.56	2.00	0.00	1.00	0.00	9.55	20.55	2.00	0.00	1.00	0.00
9.56	20.03	2.00	0.00	1.00	0.00	9.57	19.71	2.00	0.00	1.00	0.00
9.58	19.29	2.00	0.00	1.00	0.00	9.59	19.08	2.00	0.00	1.00	0.00
9.60	18.25	2.00	0.00	1.00	0.00	9.61	17.83	2.00	0.00	1.00	0.00
9.62	17.72	2.00	0.00	1.00	0.00	9.63	17.51	2.00	0.00	1.00	0.00

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
9.64	16.58	2.00	0.00	1.00	0.00	9.65	15.96	2.00	0.00	1.00	0.00
9.66	15.85	2.00	0.00	1.00	0.00	9.67	15.74	2.00	0.00	1.00	0.00
9.68	14.82	2.00	0.00	1.00	0.00	9.69	14.41	2.00	0.00	1.00	0.00
9.70	14.19	2.00	0.00	1.00	0.00	9.71	13.58	2.00	0.00	1.00	0.00
9.72	13.47	2.00	0.00	1.00	0.00	9.73	13.36	2.00	0.00	1.00	0.00
9.74	13.05	2.00	0.00	1.00	0.00	9.75	12.94	2.00	0.00	1.00	0.00
9.76	13.04	2.00	0.00	1.00	0.00	9.77	13.13	2.00	0.00	1.00	0.00
9.78	13.13	2.00	0.00	1.00	0.00	9.79	13.53	2.00	0.00	1.00	0.00
9.80	13.83	2.00	0.00	1.00	0.00	9.81	14.13	2.00	0.00	1.00	0.00
9.82	14.83	2.00	0.00	1.00	0.00	9.83	15.33	2.00	0.00	1.00	0.00
9.84	15.63	2.00	0.00	1.00	0.00	9.85	16.03	2.00	0.00	1.00	0.00
9.86	16.02	2.00	0.00	1.00	0.00	9.87	15.81	2.00	0.00	1.00	0.00
9.88	15.50	2.00	0.00	1.00	0.00	9.89	14.68	2.00	0.00	1.00	0.00
9.90	14.27	2.00	0.00	1.00	0.00	9.91	14.27	2.00	0.00	1.00	0.00
9.92	14.26	2.00	0.00	1.00	0.00	9.93	13.95	2.00	0.00	1.00	0.00
9.94	13.75	2.00	0.00	1.00	0.00	9.95	13.74	2.00	0.00	1.00	0.00
9.96	13.84	2.00	0.00	1.00	0.00	9.97	14.03	2.00	0.00	1.00	0.00
9.98	14.13	2.00	0.00	1.00	0.00	9.99	14.12	2.00	0.00	1.00	0.00
10.00	14.11	2.00	0.00	1.00	0.00	10.01	13.91	2.00	0.00	1.00	0.00
10.02	13.80	2.00	0.00	1.00	0.00	10.03	13.69	2.00	0.00	1.00	0.00
10.04	13.49	2.00	0.00	1.00	0.00	10.05	13.38	2.00	0.00	1.00	0.00
10.06	13.38	2.00	0.00	1.00	0.00	10.07	13.47	2.00	0.00	1.00	0.00
10.08	13.46	2.00	0.00	1.00	0.00	10.09	13.56	2.00	0.00	1.00	0.00
10.10	13.65	2.00	0.00	1.00	0.00	10.11	13.85	2.00	0.00	1.00	0.00
10.12	14.04	2.00	0.00	1.00	0.00	10.13	14.44	2.00	0.00	1.00	0.00
10.14	15.53	2.00	0.00	1.00	0.00	10.15	16.13	2.00	0.00	1.00	0.00
10.16	16.92	2.00	0.00	1.00	0.00	10.17	17.92	2.00	0.00	1.00	0.00
10.18	76.33	0.27	4.19	1.00	0.04	10.19	76.77	0.27	4.17	1.00	0.04
10.20	77.63	0.27	4.13	1.00	0.04	10.21	78.98	0.28	4.06	1.00	0.04
10.22	79.32	0.28	4.04	1.00	0.04	10.23	80.13	0.28	4.00	1.00	0.04
10.24	80.30	0.28	3.99	1.00	0.04	10.25	80.89	0.28	3.97	1.00	0.04
10.26	81.05	0.28	3.96	1.00	0.04	10.27	81.84	0.28	3.92	1.00	0.04
10.28	24.70	2.00	0.00	1.00	0.00	10.29	25.08	2.00	0.00	1.00	0.00
10.30	25.47	2.00	0.00	1.00	0.00	10.31	25.75	2.00	0.00	1.00	0.00
10.32	25.54	2.00	0.00	1.00	0.00	10.33	25.63	2.00	0.00	1.00	0.00
10.34	25.72	2.00	0.00	1.00	0.00	10.35	25.81	2.00	0.00	1.00	0.00
10.36	25.79	2.00	0.00	1.00	0.00	10.37	25.58	2.00	0.00	1.00	0.00
10.38	24.98	2.00	0.00	1.00	0.00	10.39	24.47	2.00	0.00	1.00	0.00
10.40	24.06	2.00	0.00	1.00	0.00	10.41	24.45	2.00	0.00	1.00	0.00
10.42	24.44	2.00	0.00	1.00	0.00	10.43	24.23	2.00	0.00	1.00	0.00
10.44	24.32	2.00	0.00	1.00	0.00	10.45	24.30	2.00	0.00	1.00	0.00
10.46	24.10	2.00	0.00	1.00	0.00	10.47	23.59	2.00	0.00	1.00	0.00
10.48	22.50	2.00	0.00	1.00	0.00	10.49	22.29	2.00	0.00	1.00	0.00
10.50	22.18	2.00	0.00	1.00	0.00	10.51	21.87	2.00	0.00	1.00	0.00
10.52	21.67	2.00	0.00	1.00	0.00	10.53	21.56	2.00	0.00	1.00	0.00
10.54	21.65	2.00	0.00	1.00	0.00	10.55	21.93	2.00	0.00	1.00	0.00
10.56	22.02	2.00	0.00	1.00	0.00	10.57	22.70	2.00	0.00	1.00	0.00
10.58	22.69	2.00	0.00	1.00	0.00	10.59	23.36	2.00	0.00	1.00	0.00



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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	23.45	2.00	0.00	1.00	0.00	10.61	24.13	2.00	0.00	1.00	0.00
10.62	24.80	2.00	0.00	1.00	0.00	10.63	26.85	2.00	0.00	1.00	0.00
10.64	24.09	2.00	0.00	1.00	0.00	10.65	23.59	2.00	0.00	1.00	0.00
10.66	23.88	2.00	0.00	1.00	0.00	10.67	24.45	2.00	0.00	1.00	0.00
10.68	24.44	2.00	0.00	1.00	0.00	10.69	24.73	2.00	0.00	1.00	0.00
10.70	24.72	2.00	0.00	1.00	0.00	10.71	24.90	2.00	0.00	1.00	0.00
10.72	24.79	2.00	0.00	1.00	0.00	10.73	24.88	2.00	0.00	1.00	0.00
10.74	24.77	2.00	0.00	1.00	0.00	10.75	24.76	2.00	0.00	1.00	0.00
10.76	24.94	2.00	0.00	1.00	0.00	10.77	25.32	2.00	0.00	1.00	0.00
10.78	25.31	2.00	0.00	1.00	0.00	10.79	25.10	2.00	0.00	1.00	0.00
10.80	25.29	2.00	0.00	1.00	0.00	10.81	25.86	2.00	0.00	1.00	0.00
10.82	26.24	2.00	0.00	1.00	0.00	10.83	26.42	2.00	0.00	1.00	0.00
10.84	25.73	2.00	0.00	1.00	0.00	10.85	25.62	2.00	0.00	1.00	0.00
10.86	25.61	2.00	0.00	1.00	0.00	10.87	24.92	2.00	0.00	1.00	0.00
10.88	24.71	2.00	0.00	1.00	0.00	10.89	23.82	2.00	0.00	1.00	0.00
10.90	23.43	2.00	0.00	1.00	0.00	10.91	23.41	2.00	0.00	1.00	0.00
10.92	23.40	2.00	0.00	1.00	0.00	10.93	22.13	2.00	0.00	1.00	0.00
10.94	23.29	2.00	0.00	1.00	0.00	10.95	24.05	2.00	0.00	1.00	0.00
10.96	25.01	2.00	0.00	1.00	0.00	10.97	26.54	2.00	0.00	1.00	0.00
10.98	26.92	2.00	0.00	1.00	0.00	10.99	27.49	2.00	0.00	1.00	0.00
11.00	27.67	2.00	0.00	1.00	0.00	11.01	28.43	2.00	0.00	1.00	0.00
11.02	28.80	2.00	0.00	1.00	0.00	11.03	29.08	2.00	0.00	1.00	0.00
11.04	30.61	2.00	0.00	1.00	0.00	11.05	31.56	2.00	0.00	1.00	0.00
11.06	33.00	2.00	0.00	1.00	0.00	11.07	35.30	2.00	0.00	1.00	0.00
11.08	97.15	0.34	3.31	1.00	0.03	11.09	101.55	0.36	3.16	1.00	0.03
11.10	35.36	2.00	0.00	1.00	0.00	11.11	34.76	2.00	0.00	1.00	0.00
11.12	35.91	2.00	0.00	1.00	0.00	11.13	36.28	2.00	0.00	1.00	0.00
11.14	35.78	2.00	0.00	1.00	0.00	11.15	34.22	2.00	0.00	1.00	0.00
11.16	33.63	2.00	0.00	1.00	0.00	11.17	33.13	2.00	0.00	1.00	0.00
11.18	33.12	2.00	0.00	1.00	0.00	11.19	33.01	2.00	0.00	1.00	0.00
11.20	32.90	2.00	0.00	1.00	0.00	11.21	32.88	2.00	0.00	1.00	0.00
11.22	32.87	2.00	0.00	1.00	0.00	11.23	31.51	2.00	0.00	1.00	0.00
11.24	30.92	2.00	0.00	1.00	0.00	11.25	30.71	2.00	0.00	1.00	0.00
11.26	30.03	2.00	0.00	1.00	0.00	11.27	29.82	2.00	0.00	1.00	0.00
11.28	29.52	2.00	0.00	1.00	0.00	11.29	29.12	2.00	0.00	1.00	0.00
11.30	28.54	2.00	0.00	1.00	0.00	11.31	27.66	2.00	0.00	1.00	0.00
11.32	27.27	2.00	0.00	1.00	0.00	11.33	26.68	2.00	0.00	1.00	0.00
11.34	25.52	2.00	0.00	1.00	0.00	11.35	25.32	2.00	0.00	1.00	0.00
11.36	25.02	2.00	0.00	1.00	0.00	11.37	25.11	2.00	0.00	1.00	0.00
11.38	24.81	2.00	0.00	1.00	0.00	11.39	27.94	2.00	0.00	1.00	0.00
11.40	20.60	2.00	0.00	1.00	0.00	11.41	20.59	2.00	0.00	1.00	0.00
11.42	20.58	2.00	0.00	1.00	0.00	11.43	26.37	2.00	0.00	1.00	0.00
11.44	24.45	2.00	0.00	1.00	0.00	11.45	25.30	2.00	0.00	1.00	0.00
11.46	24.43	2.00	0.00	1.00	0.00	11.47	23.28	2.00	0.00	1.00	0.00
11.48	22.04	2.00	0.00	1.00	0.00	11.49	19.00	2.00	0.00	1.00	0.00
11.50	18.43	2.00	0.00	1.00	0.00	11.51	17.85	2.00	0.00	1.00	0.00
11.52	17.37	2.00	0.00	1.00	0.00	11.53	17.08	2.00	0.00	1.00	0.00
11.54	17.07	2.00	0.00	1.00	0.00	11.55	17.16	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	17.72	2.00	0.00	1.00	0.00	11.57	17.99	2.00	0.00	1.00	0.00
11.58	18.36	2.00	0.00	1.00	0.00	11.59	19.29	2.00	0.00	1.00	0.00
11.60	19.94	2.00	0.00	1.00	0.00	11.61	20.78	2.00	0.00	1.00	0.00
11.62	22.56	2.00	0.00	1.00	0.00	11.63	26.41	2.00	0.00	1.00	0.00
11.64	21.69	2.00	0.00	1.00	0.00	11.65	20.65	2.00	0.00	1.00	0.00
11.66	20.17	2.00	0.00	1.00	0.00	11.67	20.35	2.00	0.00	1.00	0.00
11.68	20.62	2.00	0.00	1.00	0.00	11.69	20.80	2.00	0.00	1.00	0.00
11.70	21.08	2.00	0.00	1.00	0.00	11.71	21.35	2.00	0.00	1.00	0.00
11.72	21.44	2.00	0.00	1.00	0.00	11.73	21.33	2.00	0.00	1.00	0.00
11.74	21.33	2.00	0.00	1.00	0.00	11.75	21.60	2.00	0.00	1.00	0.00
11.76	21.78	2.00	0.00	1.00	0.00	11.77	22.05	2.00	0.00	1.00	0.00
11.78	21.95	2.00	0.00	1.00	0.00	11.79	21.94	2.00	0.00	1.00	0.00
11.80	22.02	2.00	0.00	1.00	0.00	11.81	21.92	2.00	0.00	1.00	0.00
11.82	21.82	2.00	0.00	1.00	0.00	11.83	21.90	2.00	0.00	1.00	0.00
11.84	22.18	2.00	0.00	1.00	0.00	11.85	22.26	2.00	0.00	1.00	0.00
11.86	22.16	2.00	0.00	1.00	0.00	11.87	22.15	2.00	0.00	1.00	0.00
11.88	22.14	2.00	0.00	1.00	0.00	11.89	22.79	2.00	0.00	1.00	0.00
11.90	21.84	2.00	0.00	1.00	0.00	11.91	21.83	2.00	0.00	1.00	0.00
11.92	21.82	2.00	0.00	1.00	0.00	11.93	21.44	2.00	0.00	1.00	0.00
11.94	21.52	2.00	0.00	1.00	0.00	11.95	24.03	2.00	0.00	1.00	0.00
11.96	27.00	2.00	0.00	1.00	0.00	11.97	27.54	2.00	0.00	1.00	0.00
11.98	28.28	2.00	0.00	1.00	0.00	11.99	28.73	2.00	0.00	1.00	0.00
12.00	28.16	2.00	0.00	1.00	0.00	12.01	26.66	2.00	0.00	1.00	0.00
12.02	28.89	2.00	0.00	1.00	0.00	12.03	27.20	2.00	0.00	1.00	0.00
12.04	24.59	2.00	0.00	1.00	0.00	12.05	21.61	2.00	0.00	1.00	0.00
12.06	20.68	2.00	0.00	1.00	0.00	12.07	19.00	2.00	0.00	1.00	0.00
12.08	18.81	2.00	0.00	1.00	0.00	12.09	18.61	2.00	0.00	1.00	0.00
12.10	18.51	2.00	0.00	1.00	0.00	12.11	18.14	2.00	0.00	1.00	0.00
12.12	17.76	2.00	0.00	1.00	0.00	12.13	17.57	2.00	0.00	1.00	0.00
12.14	17.84	2.00	0.00	1.00	0.00	12.15	18.01	2.00	0.00	1.00	0.00
12.16	18.10	2.00	0.00	1.00	0.00	12.17	17.90	2.00	0.00	1.00	0.00
12.18	17.90	2.00	0.00	1.00	0.00	12.19	17.89	2.00	0.00	1.00	0.00
12.20	17.51	2.00	0.00	1.00	0.00	12.21	17.50	2.00	0.00	1.00	0.00
12.22	17.86	2.00	0.00	1.00	0.00	12.23	18.13	2.00	0.00	1.00	0.00
12.24	18.21	2.00	0.00	1.00	0.00	12.25	21.33	2.00	0.00	1.00	0.00
12.26	23.53	2.00	0.00	1.00	0.00	12.27	25.54	2.00	0.00	1.00	0.00
12.28	25.53	2.00	0.00	1.00	0.00	12.29	22.49	2.00	0.00	1.00	0.00
12.30	22.57	2.00	0.00	1.00	0.00	12.31	22.01	2.00	0.00	1.00	0.00
12.32	21.09	2.00	0.00	1.00	0.00	12.33	18.98	2.00	0.00	1.00	0.00
12.34	17.42	2.00	0.00	1.00	0.00	12.35	16.22	2.00	0.00	1.00	0.00
12.36	15.30	2.00	0.00	1.00	0.00	12.37	14.93	2.00	0.00	1.00	0.00
12.38	14.47	2.00	0.00	1.00	0.00	12.39	14.55	2.00	0.00	1.00	0.00
12.40	14.73	2.00	0.00	1.00	0.00	12.41	14.72	2.00	0.00	1.00	0.00
12.42	14.72	2.00	0.00	1.00	0.00	12.43	14.80	2.00	0.00	1.00	0.00
12.44	15.07	2.00	0.00	1.00	0.00	12.45	15.52	2.00	0.00	1.00	0.00
12.46	16.42	2.00	0.00	1.00	0.00	12.47	15.78	2.00	0.00	1.00	0.00
12.48	17.04	2.00	0.00	1.00	0.00	12.49	18.04	2.00	0.00	1.00	0.00
12.50	16.48	2.00	0.00	1.00	0.00	12.51	15.20	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
12.52	15.20	2.00	0.00	1.00	0.00	12.53	15.47	2.00	0.00	1.00	0.00
12.54	14.65	2.00	0.00	1.00	0.00	12.55	14.37	2.00	0.00	1.00	0.00
12.56	14.27	2.00	0.00	1.00	0.00	12.57	14.09	2.00	0.00	1.00	0.00
12.58	13.99	2.00	0.00	1.00	0.00	12.59	13.90	2.00	0.00	1.00	0.00
12.60	13.71	2.00	0.00	1.00	0.00	12.61	13.61	2.00	0.00	1.00	0.00
12.62	13.43	2.00	0.00	1.00	0.00	12.63	13.33	2.00	0.00	1.00	0.00
12.64	13.24	2.00	0.00	1.00	0.00	12.65	13.14	2.00	0.00	1.00	0.00
12.66	13.04	2.00	0.00	1.00	0.00	12.67	12.86	2.00	0.00	1.00	0.00
12.68	12.85	2.00	0.00	1.00	0.00	12.69	12.94	2.00	0.00	1.00	0.00
12.70	12.93	2.00	0.00	1.00	0.00	12.71	12.75	2.00	0.00	1.00	0.00
12.72	12.56	2.00	0.00	1.00	0.00	12.73	12.56	2.00	0.00	1.00	0.00
12.74	12.64	2.00	0.00	1.00	0.00	12.75	12.73	2.00	0.00	1.00	0.00
12.76	12.81	2.00	0.00	1.00	0.00	12.77	12.99	2.00	0.00	1.00	0.00
12.78	13.25	2.00	0.00	1.00	0.00	12.79	13.52	2.00	0.00	1.00	0.00
12.80	13.96	2.00	0.00	1.00	0.00	12.81	14.40	2.00	0.00	1.00	0.00
12.82	14.67	2.00	0.00	1.00	0.00	12.83	15.02	2.00	0.00	1.00	0.00
12.84	71.65	0.27	4.45	1.00	0.04	12.85	71.93	0.27	4.44	1.00	0.04
12.86	73.12	0.28	4.37	1.00	0.04	12.87	74.91	0.28	4.27	1.00	0.04
12.88	75.20	0.28	4.25	1.00	0.04	12.89	17.41	2.00	0.00	1.00	0.00
12.90	16.51	2.00	0.00	1.00	0.00	12.91	16.51	2.00	0.00	1.00	0.00
12.92	16.51	2.00	0.00	1.00	0.00	12.93	15.34	2.00	0.00	1.00	0.00
12.94	15.33	2.00	0.00	1.00	0.00	12.95	15.42	2.00	0.00	1.00	0.00
12.96	15.59	2.00	0.00	1.00	0.00	12.97	16.12	2.00	0.00	1.00	0.00
12.98	16.30	2.00	0.00	1.00	0.00	12.99	16.20	2.00	0.00	1.00	0.00
13.00	16.11	2.00	0.00	1.00	0.00	13.01	15.57	2.00	0.00	1.00	0.00
13.02	15.39	2.00	0.00	1.00	0.00	13.03	14.85	2.00	0.00	1.00	0.00
13.04	14.48	2.00	0.00	1.00	0.00	13.05	14.30	2.00	0.00	1.00	0.00
13.06	13.67	2.00	0.00	1.00	0.00	13.07	13.49	2.00	0.00	1.00	0.00
13.08	12.86	2.00	0.00	1.00	0.00	13.09	12.59	2.00	0.00	1.00	0.00
13.10	12.32	2.00	0.00	1.00	0.00	13.11	12.05	2.00	0.00	1.00	0.00
13.12	12.04	2.00	0.00	1.00	0.00	13.13	11.59	2.00	0.00	1.00	0.00
13.14	11.68	2.00	0.00	1.00	0.00	13.15	11.94	2.00	0.00	1.00	0.00
13.16	12.02	2.00	0.00	1.00	0.00	13.17	12.20	2.00	0.00	1.00	0.00
13.18	12.63	2.00	0.00	1.00	0.00	13.19	12.98	2.00	0.00	1.00	0.00
13.20	13.68	2.00	0.00	1.00	0.00	13.21	13.94	2.00	0.00	1.00	0.00
13.22	14.20	2.00	0.00	1.00	0.00	13.23	15.34	2.00	0.00	1.00	0.00
13.24	16.75	2.00	0.00	1.00	0.00	13.25	75.59	0.28	4.23	1.00	0.04
13.26	74.11	0.28	4.31	1.00	0.04	13.27	18.51	2.00	0.00	1.00	0.00
13.28	19.31	2.00	0.00	1.00	0.00	13.29	18.06	2.00	0.00	1.00	0.00
13.30	17.44	2.00	0.00	1.00	0.00	13.31	17.61	2.00	0.00	1.00	0.00
13.32	17.61	2.00	0.00	1.00	0.00	13.33	17.51	2.00	0.00	1.00	0.00
13.34	17.60	2.00	0.00	1.00	0.00	13.35	17.77	2.00	0.00	1.00	0.00
13.36	18.30	2.00	0.00	1.00	0.00	13.37	18.47	2.00	0.00	1.00	0.00
13.38	18.82	2.00	0.00	1.00	0.00	13.39	18.90	2.00	0.00	1.00	0.00
13.40	19.16	2.00	0.00	1.00	0.00	13.41	19.15	2.00	0.00	1.00	0.00
13.42	19.14	2.00	0.00	1.00	0.00	13.43	19.40	2.00	0.00	1.00	0.00
13.44	19.57	2.00	0.00	1.00	0.00	13.45	20.01	2.00	0.00	1.00	0.00
13.46	20.00	2.00	0.00	1.00	0.00	13.47	19.81	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
13.48	19.72	2.00	0.00	1.00	0.00	13.49	19.36	2.00	0.00	1.00	0.00
13.50	19.17	2.00	0.00	1.00	0.00	13.51	19.08	2.00	0.00	1.00	0.00
13.52	19.07	2.00	0.00	1.00	0.00	13.53	18.98	2.00	0.00	1.00	0.00
13.54	18.79	2.00	0.00	1.00	0.00	13.55	18.96	2.00	0.00	1.00	0.00
13.56	19.13	2.00	0.00	1.00	0.00	13.57	19.21	2.00	0.00	1.00	0.00
13.58	19.29	2.00	0.00	1.00	0.00	13.59	19.37	2.00	0.00	1.00	0.00
13.60	19.45	2.00	0.00	1.00	0.00	13.61	19.44	2.00	0.00	1.00	0.00
13.62	19.35	2.00	0.00	1.00	0.00	13.63	19.52	2.00	0.00	1.00	0.00
13.64	19.60	2.00	0.00	1.00	0.00	13.65	19.50	2.00	0.00	1.00	0.00
13.66	19.32	2.00	0.00	1.00	0.00	13.67	19.31	2.00	0.00	1.00	0.00
13.68	19.39	2.00	0.00	1.00	0.00	13.69	19.56	2.00	0.00	1.00	0.00
13.70	19.64	2.00	0.00	1.00	0.00	13.71	19.63	2.00	0.00	1.00	0.00
13.72	19.54	2.00	0.00	1.00	0.00	13.73	19.36	2.00	0.00	1.00	0.00
13.74	19.26	2.00	0.00	1.00	0.00	13.75	19.25	2.00	0.00	1.00	0.00
13.76	19.25	2.00	0.00	1.00	0.00	13.77	19.15	2.00	0.00	1.00	0.00
13.78	19.23	2.00	0.00	1.00	0.00	13.79	19.31	2.00	0.00	1.00	0.00
13.80	19.57	2.00	0.00	1.00	0.00	13.81	19.73	2.00	0.00	1.00	0.00
13.82	19.81	2.00	0.00	1.00	0.00	13.83	19.81	2.00	0.00	1.00	0.00
13.84	19.71	2.00	0.00	1.00	0.00	13.85	19.53	2.00	0.00	1.00	0.00
13.86	19.70	2.00	0.00	1.00	0.00	13.87	19.78	2.00	0.00	1.00	0.00
13.88	19.86	2.00	0.00	1.00	0.00	13.89	19.94	2.00	0.00	1.00	0.00
13.90	19.93	2.00	0.00	1.00	0.00	13.91	19.92	2.00	0.00	1.00	0.00
13.92	19.91	2.00	0.00	1.00	0.00	13.93	19.21	2.00	0.00	1.00	0.00
13.94	19.20	2.00	0.00	1.00	0.00	13.95	19.11	2.00	0.00	1.00	0.00
13.96	19.01	2.00	0.00	1.00	0.00	13.97	18.92	2.00	0.00	1.00	0.00
13.98	18.74	2.00	0.00	1.00	0.00	13.99	18.73	2.00	0.00	1.00	0.00
14.00	18.72	2.00	0.00	1.00	0.00	14.01	18.89	2.00	0.00	1.00	0.00
14.02	18.88	2.00	0.00	1.00	0.00	14.03	18.96	2.00	0.00	1.00	0.00
14.04	19.22	2.00	0.00	1.00	0.00	14.05	19.29	2.00	0.00	1.00	0.00
14.06	19.37	2.00	0.00	1.00	0.00	14.07	19.45	2.00	0.00	1.00	0.00
14.08	19.53	2.00	0.00	1.00	0.00	14.09	19.78	2.00	0.00	1.00	0.00
14.10	19.95	2.00	0.00	1.00	0.00	14.11	20.20	2.00	0.00	1.00	0.00
14.12	20.45	2.00	0.00	1.00	0.00	14.13	20.44	2.00	0.00	1.00	0.00
14.14	20.35	2.00	0.00	1.00	0.00	14.15	20.34	2.00	0.00	1.00	0.00
14.16	19.90	2.00	0.00	1.00	0.00	14.17	19.73	2.00	0.00	1.00	0.00
14.18	19.46	2.00	0.00	1.00	0.00	14.19	19.02	2.00	0.00	1.00	0.00
14.20	18.67	2.00	0.00	1.00	0.00	14.21	18.40	2.00	0.00	1.00	0.00
14.22	18.14	2.00	0.00	1.00	0.00	14.23	17.79	2.00	0.00	1.00	0.00
14.24	17.61	2.00	0.00	1.00	0.00	14.25	17.17	2.00	0.00	1.00	0.00
14.26	16.99	2.00	0.00	1.00	0.00	14.27	17.07	2.00	0.00	1.00	0.00
14.28	17.15	2.00	0.00	1.00	0.00	14.29	17.40	2.00	0.00	1.00	0.00
14.30	17.91	2.00	0.00	1.00	0.00	14.31	18.33	2.00	0.00	1.00	0.00
14.32	19.36	2.00	0.00	1.00	0.00	14.33	19.95	2.00	0.00	1.00	0.00
14.34	20.97	2.00	0.00	1.00	0.00	14.35	21.39	2.00	0.00	1.00	0.00
14.36	22.24	2.00	0.00	1.00	0.00	14.37	22.84	2.00	0.00	1.00	0.00
14.38	23.26	2.00	0.00	1.00	0.00	14.39	24.63	2.00	0.00	1.00	0.00
14.40	26.08	2.00	0.00	1.00	0.00	14.41	26.85	2.00	0.00	1.00	0.00
14.42	28.66	2.00	0.00	1.00	0.00	14.43	88.52	0.33	3.63	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
14.44	90.06	0.33	3.57	1.00	0.04	14.45	91.20	0.34	3.53	1.00	0.04
14.46	92.88	0.35	3.46	1.00	0.03	14.47	95.12	0.35	3.38	1.00	0.03
14.48	94.45	0.35	3.40	1.00	0.03	14.49	95.26	0.35	3.38	1.00	0.03
14.50	95.73	0.36	3.36	1.00	0.03	14.51	96.68	0.36	3.33	1.00	0.03
14.52	96.96	0.36	3.32	1.00	0.03	14.53	98.71	0.37	3.26	1.00	0.03
14.54	105.41	0.40	3.04	1.00	0.03	14.55	108.74	0.42	2.95	1.00	0.03
14.56	108.16	0.41	2.96	1.00	0.03	14.57	105.33	0.40	3.05	1.00	0.03
14.58	107.31	0.41	2.99	1.00	0.03	14.59	107.43	0.41	2.98	1.00	0.03
14.60	109.00	0.42	2.94	1.00	0.03	14.61	109.94	0.43	2.91	1.00	0.03
14.62	44.39	2.00	0.00	1.00	0.00	14.63	40.33	2.00	0.00	1.00	0.00
14.64	38.31	2.00	0.00	1.00	0.00	14.65	37.16	2.00	0.00	1.00	0.00
14.66	34.79	2.00	0.00	1.00	0.00	14.67	33.74	2.00	0.00	1.00	0.00
14.68	33.99	2.00	0.00	1.00	0.00	14.69	34.23	2.00	0.00	1.00	0.00
14.70	34.13	2.00	0.00	1.00	0.00	14.71	35.34	2.00	0.00	1.00	0.00
14.72	36.89	2.00	0.00	1.00	0.00	14.73	38.35	2.00	0.00	1.00	0.00
14.74	37.46	2.00	0.00	1.00	0.00	14.75	40.50	2.00	0.00	1.00	0.00
14.76	42.84	2.00	0.00	1.00	0.00	14.77	42.65	2.00	0.00	1.00	0.00
14.78	42.29	2.00	0.00	1.00	0.00	14.79	39.21	2.00	0.00	1.00	0.00
14.80	37.81	2.00	0.00	1.00	0.00						

**Total estimated settlement: 10.92**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

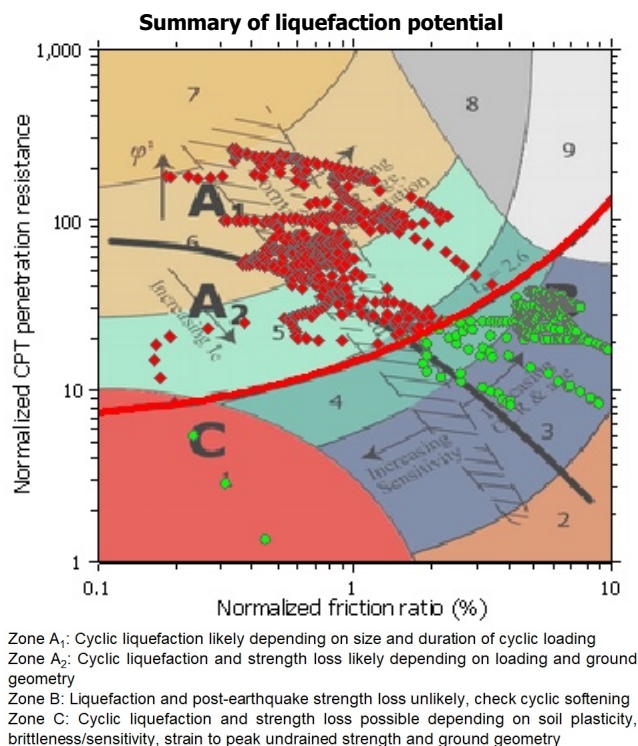
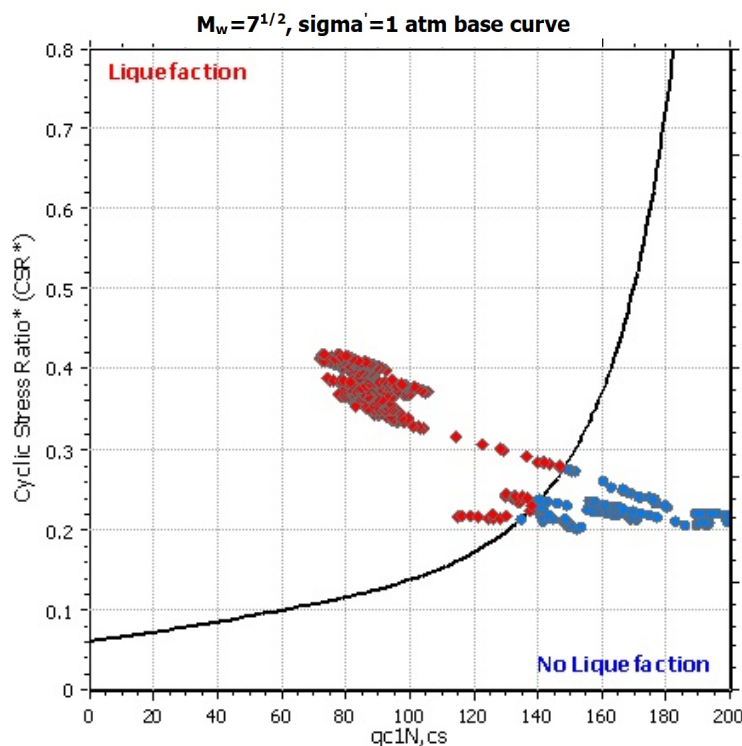
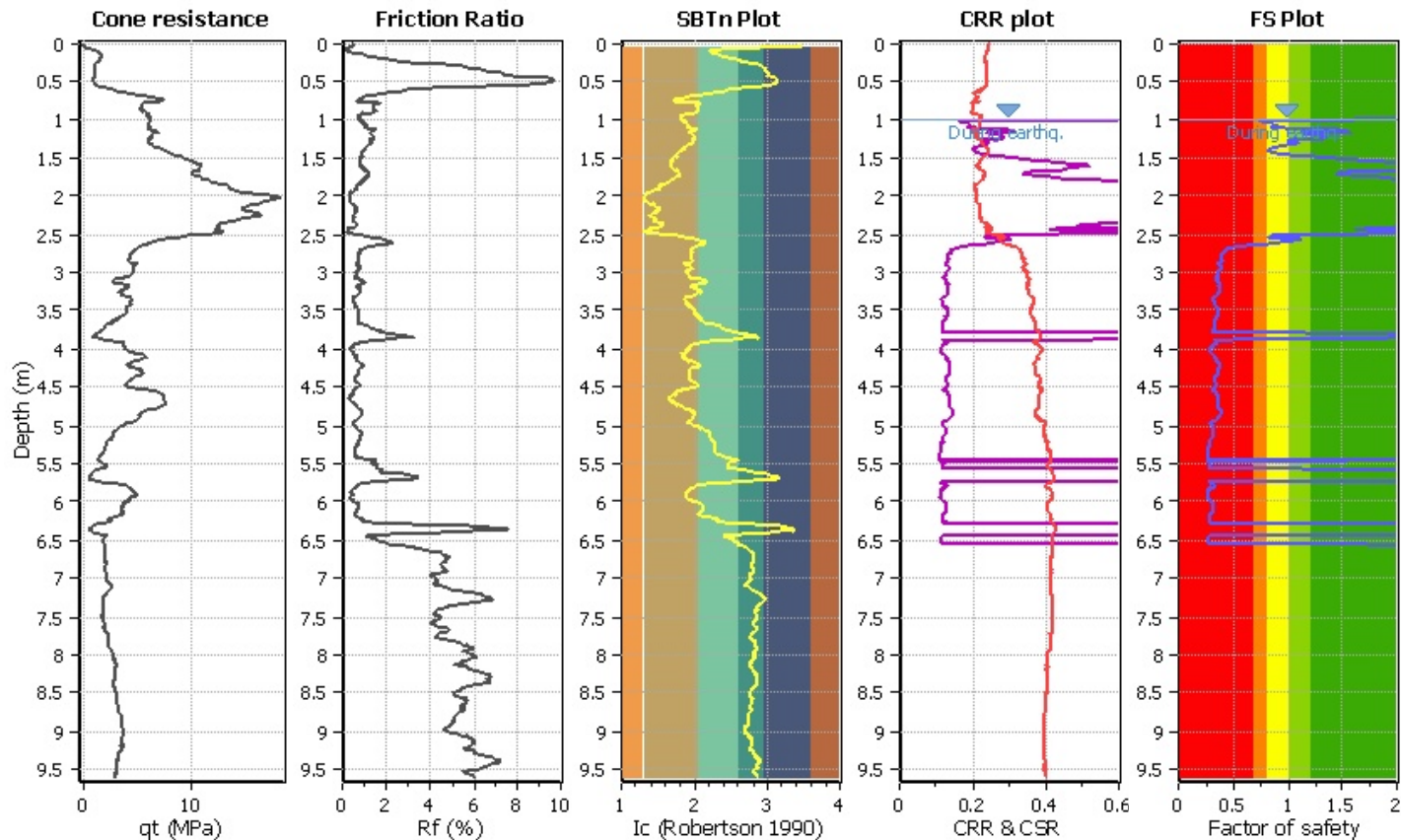
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

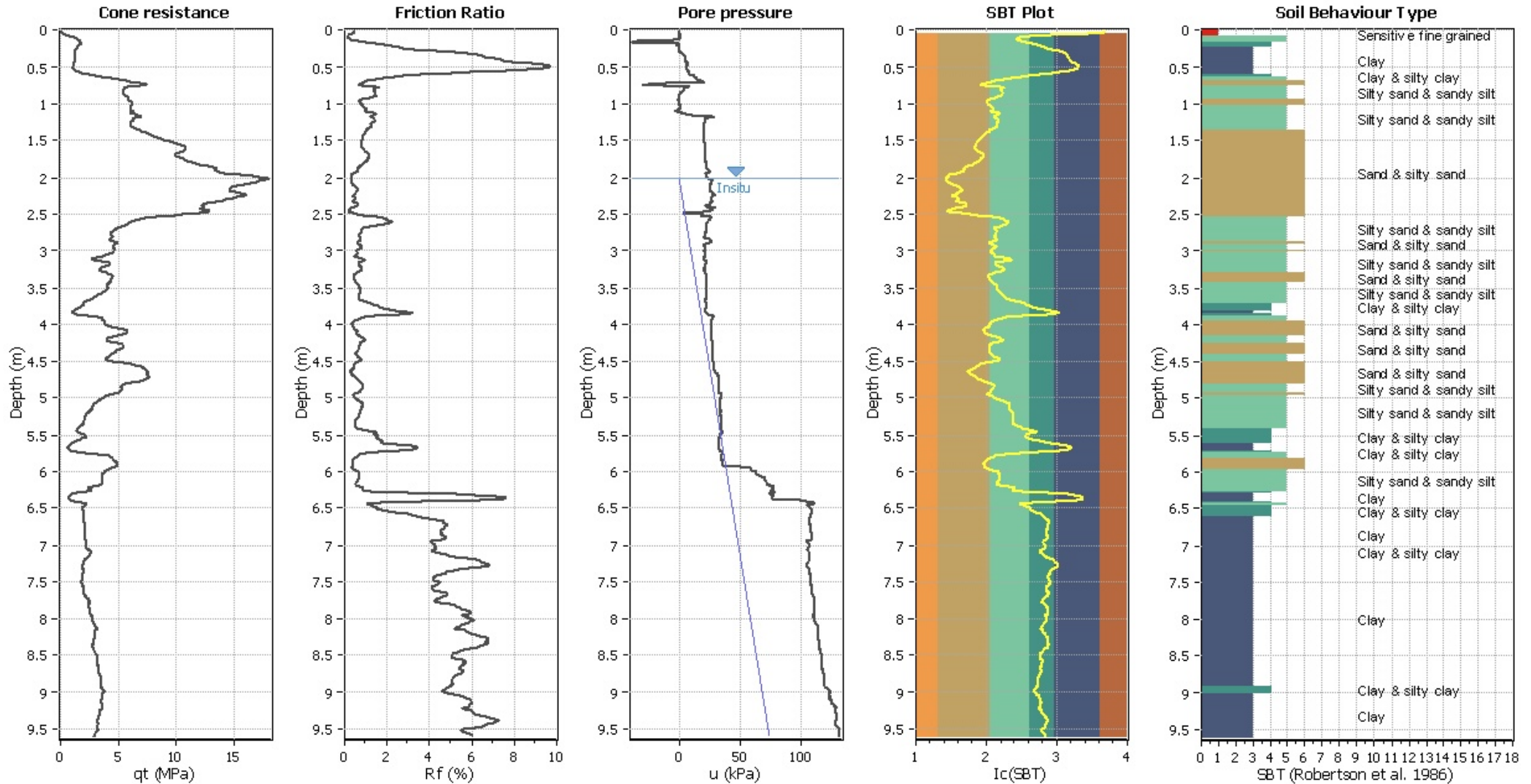
**CPT file : CPTU-11-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



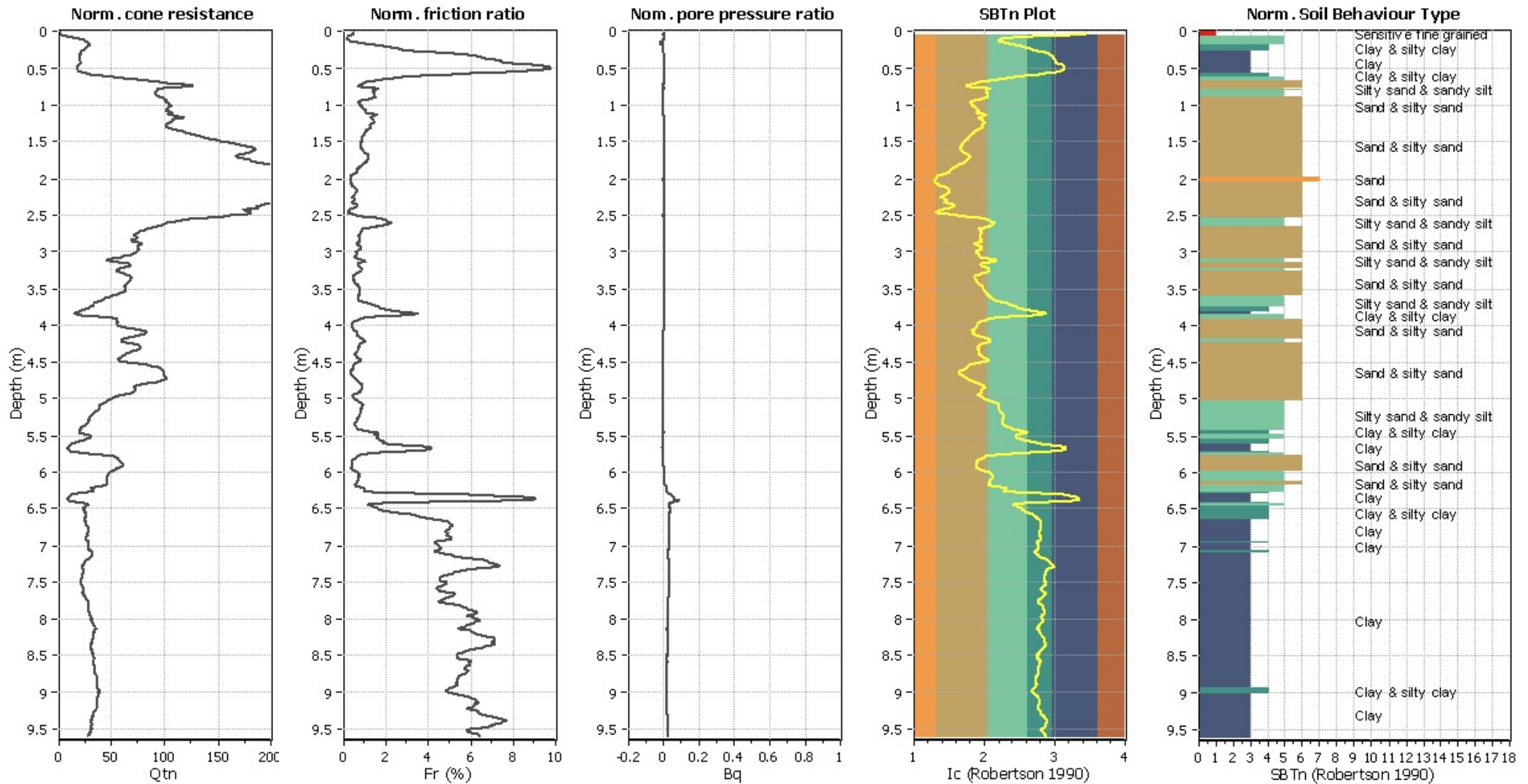
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



#### Input parameters and analysis data

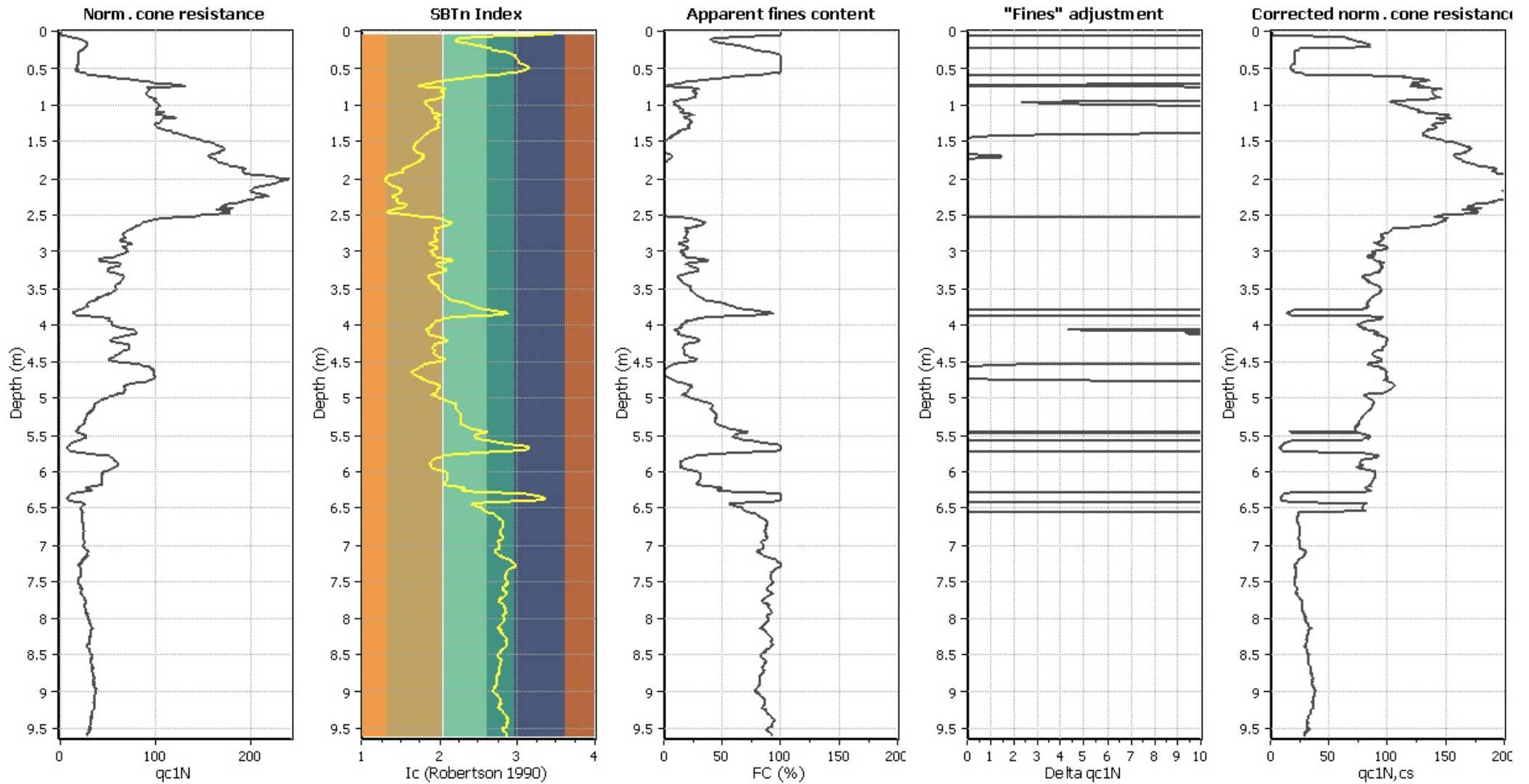
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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



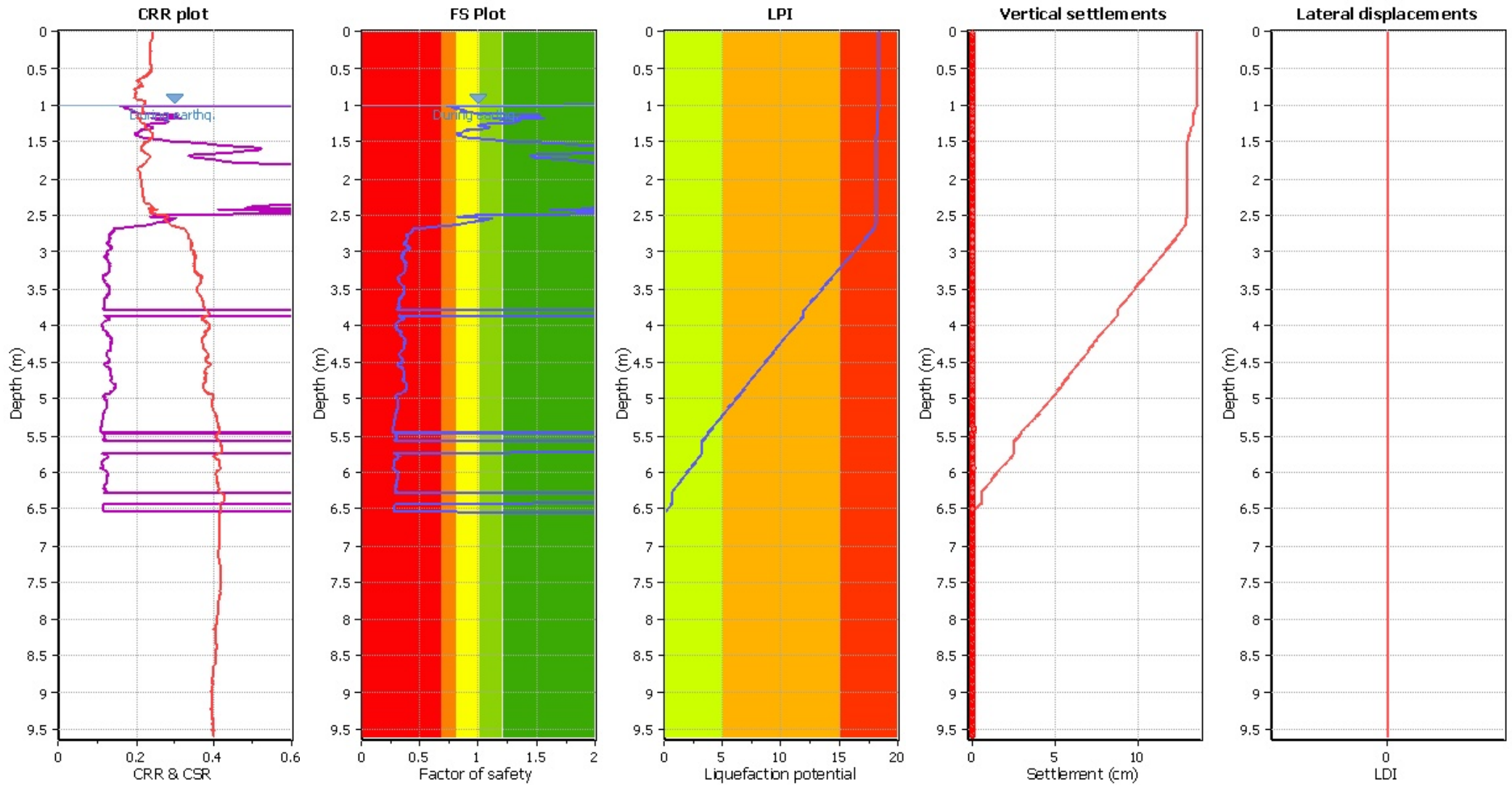
### Liquefaction analysis overall plots (intermediate resu



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

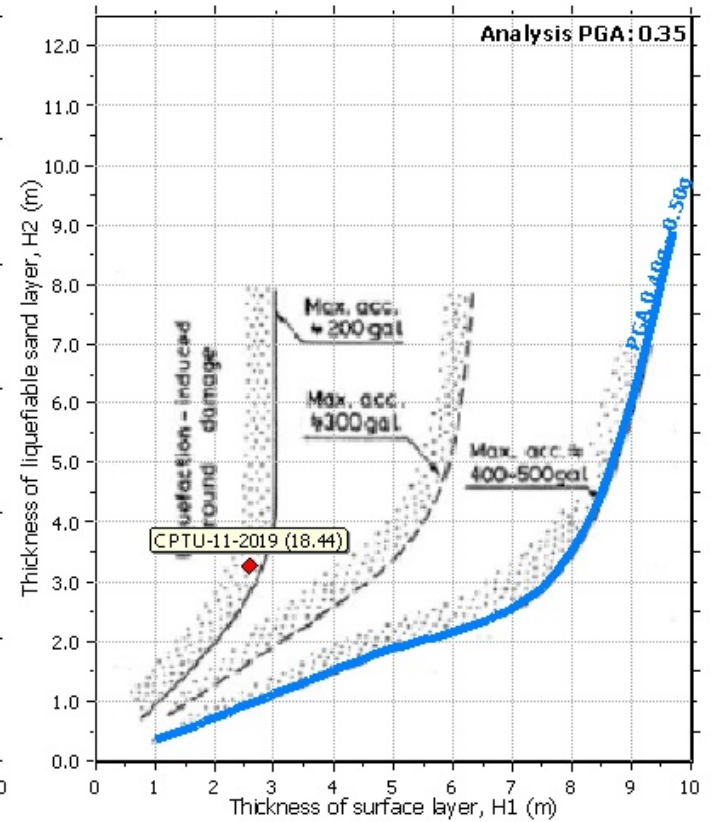
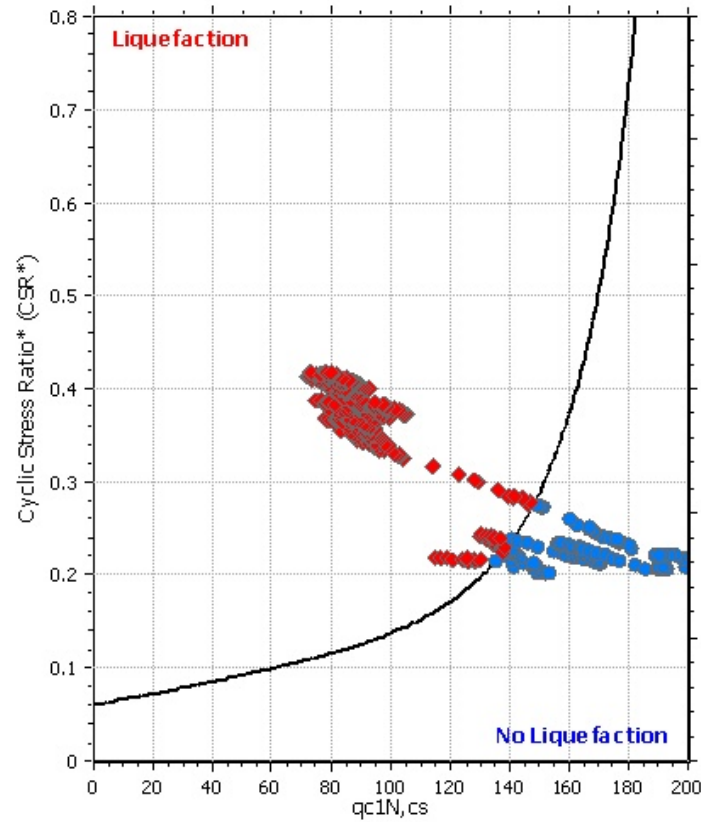
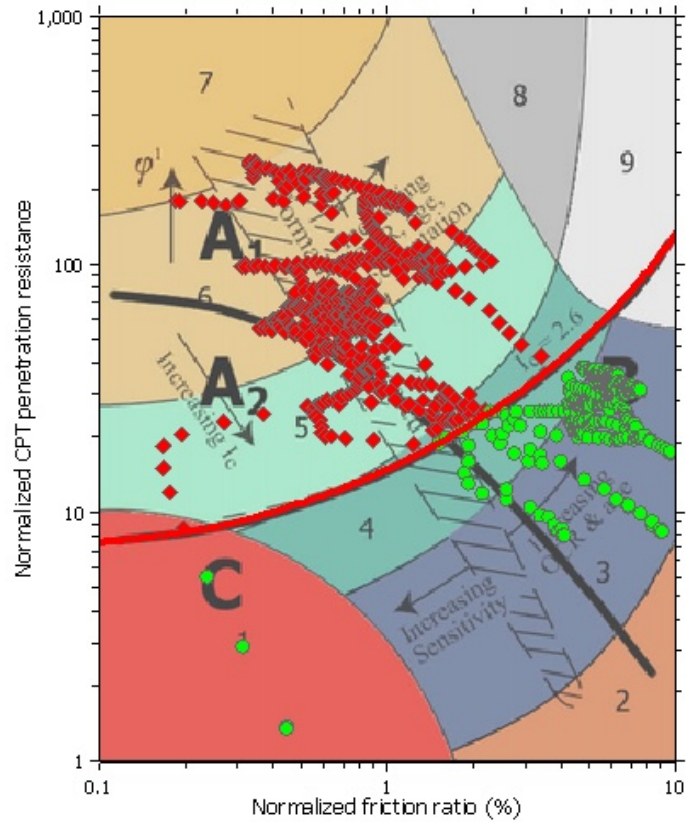
#### F.S. color scheme

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

#### LPI color scheme

- Very high risk
- High risk
- Low risk

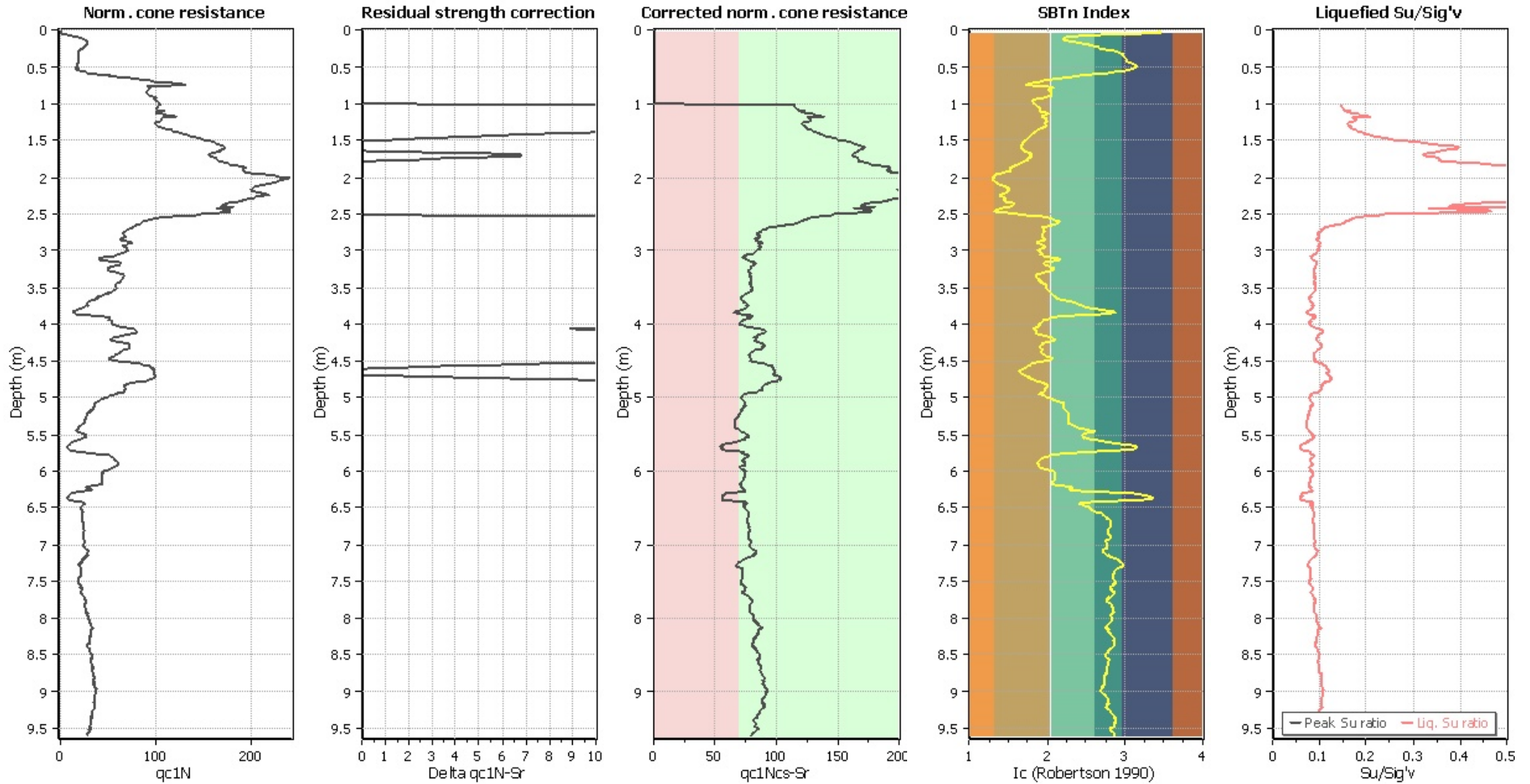
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	0.74	0.26	9.49	0.01	0.02	1.02	0.75	0.25	9.49	0.01	0.02
1.03	0.78	0.22	9.49	0.01	0.02	1.04	0.80	0.20	9.48	0.01	0.02
1.05	0.84	0.16	9.48	0.01	0.02	1.06	0.87	0.13	9.47	0.01	0.01
1.07	0.89	0.11	9.47	0.01	0.01	1.08	0.90	0.10	9.46	0.01	0.01
1.09	0.85	0.15	9.46	0.01	0.01	1.10	0.92	0.08	9.45	0.01	0.01
1.11	1.01	0.00	9.45	0.01	0.00	1.12	1.16	0.00	9.44	0.01	0.00
1.13	1.43	0.00	9.44	0.01	0.00	1.14	1.52	0.00	9.43	0.01	0.00
1.15	1.43	0.00	9.43	0.01	0.00	1.16	1.36	0.00	9.42	0.01	0.00
1.17	1.56	0.00	9.41	0.01	0.00	1.18	1.12	0.00	9.41	0.01	0.00
1.19	1.22	0.00	9.41	0.01	0.00	1.20	1.32	0.00	9.40	0.01	0.00
1.21	1.35	0.00	9.40	0.01	0.00	1.22	1.34	0.00	9.39	0.01	0.00
1.23	1.32	0.00	9.39	0.01	0.00	1.24	1.32	0.00	9.38	0.01	0.00
1.25	1.16	0.00	9.38	0.01	0.00	1.26	1.06	0.00	9.37	0.01	0.00
1.27	0.99	0.01	9.37	0.01	0.00	1.28	1.03	0.00	9.36	0.01	0.00
1.29	1.07	0.00	9.36	0.01	0.00	1.30	1.09	0.00	9.35	0.01	0.00
1.31	1.08	0.00	9.35	0.01	0.00	1.32	1.06	0.00	9.34	0.01	0.00
1.33	0.99	0.01	9.34	0.01	0.00	1.34	0.90	0.10	9.33	0.01	0.01
1.35	0.90	0.10	9.32	0.01	0.01	1.36	0.88	0.12	9.32	0.01	0.01
1.37	0.86	0.14	9.32	0.01	0.01	1.38	0.82	0.18	9.31	0.01	0.02
1.39	0.83	0.17	9.31	0.01	0.02	1.40	0.82	0.18	9.30	0.01	0.02
1.41	0.81	0.19	9.30	0.01	0.02	1.42	0.85	0.15	9.29	0.01	0.01
1.43	0.87	0.13	9.29	0.01	0.01	1.44	0.89	0.11	9.28	0.01	0.01
1.45	0.92	0.08	9.28	0.01	0.01	1.46	1.00	0.00	9.27	0.01	0.00
1.47	1.06	0.00	9.27	0.01	0.00	1.48	1.15	0.00	9.26	0.01	0.00
1.49	1.25	0.00	9.26	0.01	0.00	1.50	1.47	0.00	9.25	0.01	0.00
1.51	1.56	0.00	9.24	0.01	0.00	1.52	1.65	0.00	9.24	0.01	0.00
1.53	1.80	0.00	9.24	0.01	0.00	1.54	1.82	0.00	9.23	0.01	0.00
1.55	1.90	0.00	9.23	0.01	0.00	1.56	1.99	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	1.91	0.00	9.17	0.01	0.00
1.67	1.64	0.00	9.16	0.01	0.00	1.68	1.51	0.00	9.16	0.01	0.00
1.69	1.46	0.00	9.16	0.01	0.00	1.70	1.44	0.00	9.15	0.01	0.00
1.71	1.48	0.00	9.15	0.01	0.00	1.72	1.51	0.00	9.14	0.01	0.00
1.73	1.64	0.00	9.14	0.01	0.00	1.74	1.69	0.00	9.13	0.01	0.00
1.75	1.81	0.00	9.13	0.01	0.00	1.76	1.87	0.00	9.12	0.01	0.00
1.77	1.92	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	2.00	0.00	8.87	0.01	0.00	2.28	2.00	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	1.97	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	1.84	0.00	8.79	0.01	0.00
2.43	1.62	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	1.83	0.00	8.76	0.01	0.00	2.50	1.45	0.00	8.75	0.01	0.00
2.51	0.97	0.03	8.74	0.01	0.00	2.52	0.85	0.15	8.74	0.01	0.01
2.53	0.82	0.18	8.74	0.01	0.02	2.54	1.08	0.00	8.73	0.01	0.00
2.55	1.12	0.00	8.73	0.01	0.00	2.56	1.07	0.00	8.72	0.01	0.00
2.57	1.05	0.00	8.72	0.01	0.00	2.58	1.04	0.00	8.71	0.01	0.00
2.59	0.97	0.03	8.71	0.01	0.00	2.60	0.97	0.03	8.70	0.01	0.00
2.61	0.90	0.10	8.70	0.01	0.01	2.62	0.85	0.15	8.69	0.01	0.01
2.63	0.75	0.25	8.69	0.01	0.02	2.64	0.65	0.35	8.68	0.01	0.03
2.65	0.64	0.36	8.68	0.01	0.03	2.66	0.58	0.42	8.67	0.01	0.04
2.67	0.50	0.50	8.66	0.01	0.04	2.68	0.44	0.56	8.66	0.01	0.05
2.69	0.43	0.57	8.66	0.01	0.05	2.70	0.43	0.57	8.65	0.01	0.05
2.71	0.43	0.57	8.65	0.01	0.05	2.72	0.42	0.58	8.64	0.01	0.05
2.73	0.42	0.58	8.64	0.01	0.05	2.74	0.41	0.59	8.63	0.01	0.05
2.75	0.40	0.60	8.63	0.01	0.05	2.76	0.39	0.61	8.62	0.01	0.05
2.77	0.39	0.61	8.62	0.01	0.05	2.78	0.39	0.61	8.61	0.01	0.05
2.79	0.39	0.61	8.61	0.01	0.05	2.80	0.39	0.61	8.60	0.01	0.05
2.81	0.39	0.61	8.60	0.01	0.05	2.82	0.40	0.60	8.59	0.01	0.05
2.83	0.39	0.61	8.59	0.01	0.05	2.84	0.39	0.61	8.58	0.01	0.05
2.85	0.39	0.61	8.57	0.01	0.05	2.86	0.38	0.62	8.57	0.01	0.05
2.87	0.38	0.62	8.57	0.01	0.05	2.88	0.36	0.64	8.56	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.37	0.63	8.56	0.01	0.05	2.90	0.37	0.63	8.55	0.01	0.05
2.91	0.38	0.62	8.55	0.01	0.05	2.92	0.39	0.61	8.54	0.01	0.05
2.93	0.41	0.59	8.54	0.01	0.05	2.94	0.40	0.60	8.53	0.01	0.05
2.95	0.40	0.60	8.53	0.01	0.05	2.96	0.40	0.60	8.52	0.01	0.05
2.97	0.38	0.62	8.52	0.01	0.05	2.98	0.37	0.63	8.51	0.01	0.05
2.99	0.36	0.64	8.51	0.01	0.05	3.00	0.35	0.65	8.50	0.01	0.06
3.01	0.35	0.65	8.49	0.01	0.05	3.02	0.36	0.64	8.49	0.01	0.05
3.03	0.36	0.64	8.49	0.01	0.05	3.04	0.36	0.64	8.48	0.01	0.05
3.05	0.35	0.65	8.48	0.01	0.06	3.06	0.34	0.66	8.47	0.01	0.06
3.07	0.34	0.66	8.47	0.01	0.06	3.08	0.35	0.65	8.46	0.01	0.05
3.09	0.35	0.65	8.46	0.01	0.06	3.10	0.35	0.65	8.45	0.01	0.06
3.11	0.36	0.64	8.45	0.01	0.05	3.12	0.36	0.64	8.44	0.01	0.05
3.13	0.37	0.63	8.44	0.01	0.05	3.14	0.37	0.63	8.43	0.01	0.05
3.15	0.39	0.61	8.43	0.01	0.05	3.16	0.37	0.63	8.42	0.01	0.05
3.17	0.37	0.63	8.41	0.01	0.05	3.18	0.37	0.63	8.41	0.01	0.05
3.19	0.37	0.63	8.41	0.01	0.05	3.20	0.38	0.62	8.40	0.01	0.05
3.21	0.37	0.63	8.40	0.01	0.05	3.22	0.38	0.62	8.39	0.01	0.05
3.23	0.38	0.62	8.39	0.01	0.05	3.24	0.37	0.63	8.38	0.01	0.05
3.25	0.37	0.63	8.38	0.01	0.05	3.26	0.37	0.63	8.37	0.01	0.05
3.27	0.37	0.63	8.37	0.01	0.05	3.28	0.36	0.64	8.36	0.01	0.05
3.29	0.36	0.64	8.36	0.01	0.05	3.30	0.35	0.65	8.35	0.01	0.05
3.31	0.34	0.66	8.35	0.01	0.06	3.32	0.32	0.68	8.34	0.01	0.06
3.33	0.31	0.69	8.34	0.01	0.06	3.34	0.31	0.69	8.33	0.01	0.06
3.35	0.31	0.69	8.32	0.01	0.06	3.36	0.31	0.69	8.32	0.01	0.06
3.37	0.32	0.68	8.32	0.01	0.06	3.38	0.32	0.68	8.31	0.01	0.06
3.39	0.32	0.68	8.31	0.01	0.06	3.40	0.32	0.68	8.30	0.01	0.06
3.41	0.33	0.67	8.30	0.01	0.06	3.42	0.33	0.67	8.29	0.01	0.06
3.43	0.33	0.67	8.29	0.01	0.06	3.44	0.34	0.66	8.28	0.01	0.05
3.45	0.34	0.66	8.28	0.01	0.05	3.46	0.35	0.65	8.27	0.01	0.05
3.47	0.35	0.65	8.27	0.01	0.05	3.48	0.36	0.64	8.26	0.01	0.05
3.49	0.36	0.64	8.26	0.01	0.05	3.50	0.36	0.64	8.25	0.01	0.05
3.51	0.37	0.63	8.24	0.01	0.05	3.52	0.37	0.63	8.24	0.01	0.05
3.53	0.36	0.64	8.24	0.01	0.05	3.54	0.36	0.64	8.23	0.01	0.05
3.55	0.36	0.64	8.23	0.01	0.05	3.56	0.36	0.64	8.22	0.01	0.05
3.57	0.35	0.65	8.22	0.01	0.05	3.58	0.35	0.65	8.21	0.01	0.05
3.59	0.34	0.66	8.21	0.01	0.05	3.60	0.34	0.66	8.20	0.01	0.05
3.61	0.34	0.66	8.20	0.01	0.05	3.62	0.33	0.67	8.19	0.01	0.05
3.63	0.33	0.67	8.19	0.01	0.06	3.64	0.33	0.67	8.18	0.01	0.06
3.65	0.32	0.68	8.18	0.01	0.06	3.66	0.33	0.67	8.17	0.01	0.06
3.67	0.32	0.68	8.16	0.01	0.06	3.68	0.32	0.68	8.16	0.01	0.06
3.69	0.32	0.68	8.16	0.01	0.06	3.70	0.32	0.68	8.15	0.01	0.06
3.71	0.32	0.68	8.15	0.01	0.06	3.72	0.32	0.68	8.14	0.01	0.06
3.73	0.32	0.68	8.14	0.01	0.06	3.74	0.32	0.68	8.13	0.01	0.06
3.75	0.31	0.69	8.13	0.01	0.06	3.76	0.31	0.69	8.12	0.01	0.06
3.77	0.31	0.69	8.12	0.01	0.06	3.78	0.30	0.70	8.11	0.01	0.06
3.79	2.00	0.00	8.11	0.01	0.00	3.80	2.00	0.00	8.10	0.01	0.00
3.81	2.00	0.00	8.10	0.01	0.00	3.82	2.00	0.00	8.09	0.01	0.00
3.83	2.00	0.00	8.09	0.01	0.00	3.84	2.00	0.00	8.08	0.01	0.00



## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	8.07	0.01	0.00	3.86	2.00	0.00	8.07	0.01	0.00
3.87	0.32	0.68	8.07	0.01	0.06	3.88	0.33	0.67	8.06	0.01	0.05
3.89	0.36	0.64	8.06	0.01	0.05	3.90	0.35	0.65	8.05	0.01	0.05
3.91	0.36	0.64	8.05	0.01	0.05	3.92	0.35	0.65	8.04	0.01	0.05
3.93	0.34	0.66	8.04	0.01	0.05	3.94	0.32	0.68	8.03	0.01	0.05
3.95	0.31	0.69	8.03	0.01	0.06	3.96	0.31	0.69	8.02	0.01	0.06
3.97	0.30	0.70	8.02	0.01	0.06	3.98	0.29	0.71	8.01	0.01	0.06
3.99	0.29	0.71	8.01	0.01	0.06	4.00	0.29	0.71	8.00	0.01	0.06
4.01	0.29	0.71	8.00	0.01	0.06	4.02	0.29	0.71	7.99	0.01	0.06
4.03	0.30	0.70	7.99	0.01	0.06	4.04	0.30	0.70	7.98	0.01	0.06
4.05	0.30	0.70	7.98	0.01	0.06	4.06	0.30	0.70	7.97	0.01	0.06
4.07	0.31	0.69	7.97	0.01	0.06	4.08	0.32	0.68	7.96	0.01	0.05
4.09	0.33	0.67	7.96	0.01	0.05	4.10	0.34	0.66	7.95	0.01	0.05
4.11	0.33	0.67	7.95	0.01	0.05	4.12	0.33	0.67	7.94	0.01	0.05
4.13	0.33	0.67	7.94	0.01	0.05	4.14	0.34	0.66	7.93	0.01	0.05
4.15	0.35	0.65	7.93	0.01	0.05	4.16	0.36	0.64	7.92	0.01	0.05
4.17	0.36	0.64	7.92	0.01	0.05	4.18	0.37	0.63	7.91	0.01	0.05
4.19	0.37	0.63	7.91	0.01	0.05	4.20	0.37	0.63	7.90	0.01	0.05
4.21	0.37	0.63	7.90	0.01	0.05	4.22	0.37	0.63	7.89	0.01	0.05
4.23	0.36	0.64	7.89	0.01	0.05	4.24	0.37	0.63	7.88	0.01	0.05
4.25	0.37	0.63	7.88	0.01	0.05	4.26	0.36	0.64	7.87	0.01	0.05
4.27	0.37	0.63	7.87	0.01	0.05	4.28	0.37	0.63	7.86	0.01	0.05
4.29	0.36	0.64	7.86	0.01	0.05	4.30	0.36	0.64	7.85	0.01	0.05
4.31	0.35	0.65	7.85	0.01	0.05	4.32	0.35	0.65	7.84	0.01	0.05
4.33	0.35	0.65	7.84	0.01	0.05	4.34	0.35	0.65	7.83	0.01	0.05
4.35	0.34	0.66	7.83	0.01	0.05	4.36	0.33	0.67	7.82	0.01	0.05
4.37	0.32	0.68	7.82	0.01	0.05	4.38	0.32	0.68	7.81	0.01	0.05
4.39	0.32	0.68	7.81	0.01	0.05	4.40	0.32	0.68	7.80	0.01	0.05
4.41	0.32	0.68	7.80	0.01	0.05	4.42	0.32	0.68	7.79	0.01	0.05
4.43	0.33	0.67	7.79	0.01	0.05	4.44	0.34	0.66	7.78	0.01	0.05
4.45	0.34	0.66	7.78	0.01	0.05	4.46	0.34	0.66	7.77	0.01	0.05
4.47	0.35	0.65	7.77	0.01	0.05	4.48	0.34	0.66	7.76	0.01	0.05
4.49	0.34	0.66	7.76	0.01	0.05	4.50	0.33	0.67	7.75	0.01	0.05
4.51	0.33	0.67	7.75	0.01	0.05	4.52	0.31	0.69	7.74	0.01	0.05
4.53	0.30	0.70	7.74	0.01	0.05	4.54	0.31	0.69	7.73	0.01	0.05
4.55	0.32	0.68	7.73	0.01	0.05	4.56	0.33	0.67	7.72	0.01	0.05
4.57	0.34	0.66	7.72	0.01	0.05	4.58	0.34	0.66	7.71	0.01	0.05
4.59	0.34	0.66	7.71	0.01	0.05	4.60	0.35	0.65	7.70	0.01	0.05
4.61	0.35	0.65	7.70	0.01	0.05	4.62	0.36	0.64	7.69	0.01	0.05
4.63	0.36	0.64	7.69	0.01	0.05	4.64	0.36	0.64	7.68	0.01	0.05
4.65	0.36	0.64	7.68	0.01	0.05	4.66	0.36	0.64	7.67	0.01	0.05
4.67	0.35	0.65	7.67	0.01	0.05	4.68	0.36	0.64	7.66	0.01	0.05
4.69	0.36	0.64	7.66	0.01	0.05	4.70	0.36	0.64	7.65	0.01	0.05
4.71	0.36	0.64	7.65	0.01	0.05	4.72	0.36	0.64	7.64	0.01	0.05
4.73	0.36	0.64	7.64	0.01	0.05	4.74	0.35	0.65	7.63	0.01	0.05
4.75	0.35	0.65	7.63	0.01	0.05	4.76	0.35	0.65	7.62	0.01	0.05
4.77	0.37	0.63	7.62	0.01	0.05	4.78	0.37	0.63	7.61	0.01	0.05
4.79	0.38	0.62	7.61	0.01	0.05	4.80	0.39	0.61	7.60	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.39	0.61	7.60	0.01	0.05	4.82	0.39	0.61	7.59	0.01	0.05
4.83	0.39	0.61	7.59	0.01	0.05	4.84	0.39	0.61	7.58	0.01	0.05
4.85	0.39	0.61	7.58	0.01	0.05	4.86	0.38	0.62	7.57	0.01	0.05
4.87	0.38	0.62	7.57	0.01	0.05	4.88	0.37	0.63	7.56	0.01	0.05
4.89	0.37	0.63	7.56	0.01	0.05	4.90	0.36	0.64	7.55	0.01	0.05
4.91	0.35	0.65	7.55	0.01	0.05	4.92	0.35	0.65	7.54	0.01	0.05
4.93	0.34	0.66	7.54	0.01	0.05	4.94	0.30	0.70	7.53	0.01	0.05
4.95	0.29	0.71	7.53	0.01	0.05	4.96	0.29	0.71	7.52	0.01	0.05
4.97	0.29	0.71	7.52	0.01	0.05	4.98	0.30	0.70	7.51	0.01	0.05
4.99	0.30	0.70	7.51	0.01	0.05	5.00	0.30	0.70	7.50	0.01	0.05
5.01	0.30	0.70	7.50	0.01	0.05	5.02	0.31	0.69	7.49	0.01	0.05
5.03	0.31	0.69	7.49	0.01	0.05	5.04	0.31	0.69	7.48	0.01	0.05
5.05	0.31	0.69	7.48	0.01	0.05	5.06	0.31	0.69	7.47	0.01	0.05
5.07	0.31	0.69	7.47	0.01	0.05	5.08	0.31	0.69	7.46	0.01	0.05
5.09	0.31	0.69	7.46	0.01	0.05	5.10	0.31	0.69	7.45	0.01	0.05
5.11	0.31	0.69	7.45	0.01	0.05	5.12	0.31	0.69	7.44	0.01	0.05
5.13	0.31	0.69	7.44	0.01	0.05	5.14	0.31	0.69	7.43	0.01	0.05
5.15	0.30	0.70	7.43	0.01	0.05	5.16	0.30	0.70	7.42	0.01	0.05
5.17	0.30	0.70	7.42	0.01	0.05	5.18	0.30	0.70	7.41	0.01	0.05
5.19	0.29	0.71	7.41	0.01	0.05	5.20	0.29	0.71	7.40	0.01	0.05
5.21	0.29	0.71	7.40	0.01	0.05	5.22	0.29	0.71	7.39	0.01	0.05
5.23	0.29	0.71	7.39	0.01	0.05	5.24	0.28	0.72	7.38	0.01	0.05
5.25	0.28	0.72	7.38	0.01	0.05	5.26	0.28	0.72	7.37	0.01	0.05
5.27	0.28	0.72	7.37	0.01	0.05	5.28	0.28	0.72	7.36	0.01	0.05
5.29	0.28	0.72	7.36	0.01	0.05	5.30	0.28	0.72	7.35	0.01	0.05
5.31	0.28	0.72	7.35	0.01	0.05	5.32	0.28	0.72	7.34	0.01	0.05
5.33	0.27	0.73	7.34	0.01	0.05	5.34	0.27	0.73	7.33	0.01	0.05
5.35	0.27	0.73	7.33	0.01	0.05	5.36	0.27	0.73	7.32	0.01	0.05
5.37	0.27	0.73	7.32	0.01	0.05	5.38	0.27	0.73	7.31	0.01	0.05
5.39	0.26	0.74	7.31	0.01	0.05	5.40	0.26	0.74	7.30	0.01	0.05
5.41	0.26	0.74	7.30	0.01	0.05	5.42	0.26	0.74	7.29	0.01	0.05
5.43	0.27	0.73	7.29	0.01	0.05	5.44	0.27	0.73	7.28	0.01	0.05
5.45	2.00	0.00	7.28	0.01	0.00	5.46	2.00	0.00	7.27	0.01	0.00
5.47	0.27	0.73	7.27	0.01	0.05	5.48	0.28	0.72	7.26	0.01	0.05
5.49	0.29	0.71	7.26	0.01	0.05	5.50	0.29	0.71	7.25	0.01	0.05
5.51	0.30	0.70	7.25	0.01	0.05	5.52	0.30	0.70	7.24	0.01	0.05
5.53	0.29	0.71	7.24	0.01	0.05	5.54	0.29	0.71	7.23	0.01	0.05
5.55	0.28	0.72	7.23	0.01	0.05	5.56	0.28	0.72	7.22	0.01	0.05
5.57	2.00	0.00	7.22	0.01	0.00	5.58	2.00	0.00	7.21	0.01	0.00
5.59	2.00	0.00	7.21	0.01	0.00	5.60	2.00	0.00	7.20	0.01	0.00
5.61	2.00	0.00	7.20	0.01	0.00	5.62	2.00	0.00	7.19	0.01	0.00
5.63	2.00	0.00	7.19	0.01	0.00	5.64	2.00	0.00	7.18	0.01	0.00
5.65	2.00	0.00	7.18	0.01	0.00	5.66	2.00	0.00	7.17	0.01	0.00
5.67	2.00	0.00	7.17	0.01	0.00	5.68	2.00	0.00	7.16	0.01	0.00
5.69	2.00	0.00	7.16	0.01	0.00	5.70	2.00	0.00	7.15	0.01	0.00
5.71	2.00	0.00	7.15	0.01	0.00	5.72	2.00	0.00	7.14	0.01	0.00
5.73	2.00	0.00	7.14	0.01	0.00	5.74	0.27	0.73	7.13	0.01	0.05
5.75	0.28	0.72	7.13	0.01	0.05	5.76	0.29	0.71	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.30	0.70	7.12	0.01	0.05	5.78	0.32	0.68	7.11	0.01	0.05
5.79	0.32	0.68	7.11	0.01	0.05	5.80	0.32	0.68	7.10	0.01	0.05
5.81	0.31	0.69	7.10	0.01	0.05	5.82	0.30	0.70	7.09	0.01	0.05
5.83	0.28	0.72	7.09	0.01	0.05	5.84	0.28	0.72	7.08	0.01	0.05
5.85	0.27	0.73	7.08	0.01	0.05	5.86	0.27	0.73	7.07	0.01	0.05
5.87	0.27	0.73	7.07	0.01	0.05	5.88	0.27	0.73	7.06	0.01	0.05
5.89	0.27	0.73	7.06	0.01	0.05	5.90	0.27	0.73	7.05	0.01	0.05
5.91	0.28	0.72	7.05	0.01	0.05	5.92	0.28	0.72	7.04	0.01	0.05
5.93	0.27	0.73	7.04	0.01	0.05	5.94	0.26	0.74	7.03	0.01	0.05
5.95	0.26	0.74	7.03	0.01	0.05	5.96	0.27	0.73	7.02	0.01	0.05
5.97	0.28	0.72	7.02	0.01	0.05	5.98	0.29	0.71	7.01	0.01	0.05
5.99	0.30	0.70	7.01	0.01	0.05	6.00	0.30	0.70	7.00	0.01	0.05
6.01	0.31	0.69	7.00	0.01	0.05	6.02	0.31	0.69	6.99	0.01	0.05
6.03	0.31	0.69	6.99	0.01	0.05	6.04	0.31	0.69	6.98	0.01	0.05
6.05	0.31	0.69	6.98	0.01	0.05	6.06	0.31	0.69	6.97	0.01	0.05
6.07	0.31	0.69	6.97	0.01	0.05	6.08	0.31	0.69	6.96	0.01	0.05
6.09	0.31	0.69	6.96	0.01	0.05	6.10	0.31	0.69	6.95	0.01	0.05
6.11	0.30	0.70	6.95	0.01	0.05	6.12	0.30	0.70	6.94	0.01	0.05
6.13	0.30	0.70	6.94	0.01	0.05	6.14	0.30	0.70	6.93	0.01	0.05
6.15	0.30	0.70	6.93	0.01	0.05	6.16	0.30	0.70	6.92	0.01	0.05
6.17	0.29	0.71	6.92	0.01	0.05	6.18	0.29	0.71	6.91	0.01	0.05
6.19	0.29	0.71	6.91	0.01	0.05	6.20	0.29	0.71	6.90	0.01	0.05
6.21	0.28	0.72	6.90	0.01	0.05	6.22	0.28	0.72	6.89	0.01	0.05
6.23	0.28	0.72	6.89	0.01	0.05	6.24	0.29	0.71	6.88	0.01	0.05
6.25	0.30	0.70	6.88	0.01	0.05	6.26	0.29	0.71	6.87	0.01	0.05
6.27	0.28	0.72	6.87	0.01	0.05	6.28	2.00	0.00	6.86	0.01	0.00
6.29	2.00	0.00	6.86	0.01	0.00	6.30	2.00	0.00	6.85	0.01	0.00
6.31	2.00	0.00	6.85	0.01	0.00	6.32	2.00	0.00	6.84	0.01	0.00
6.33	2.00	0.00	6.84	0.01	0.00	6.34	2.00	0.00	6.83	0.01	0.00
6.35	2.00	0.00	6.83	0.01	0.00	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	0.28	0.72	6.79	0.01	0.05	6.44	0.28	0.72	6.78	0.01	0.05
6.45	0.28	0.72	6.78	0.01	0.05	6.46	0.28	0.72	6.77	0.01	0.05
6.47	0.27	0.73	6.77	0.01	0.05	6.48	0.27	0.73	6.76	0.01	0.05
6.49	0.27	0.73	6.76	0.01	0.05	6.50	0.27	0.73	6.75	0.01	0.05
6.51	0.27	0.73	6.75	0.01	0.05	6.52	0.28	0.72	6.74	0.01	0.05
6.53	0.28	0.72	6.74	0.01	0.05	6.54	0.28	0.72	6.73	0.01	0.05
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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**Overall liquefaction potential: 18.44**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

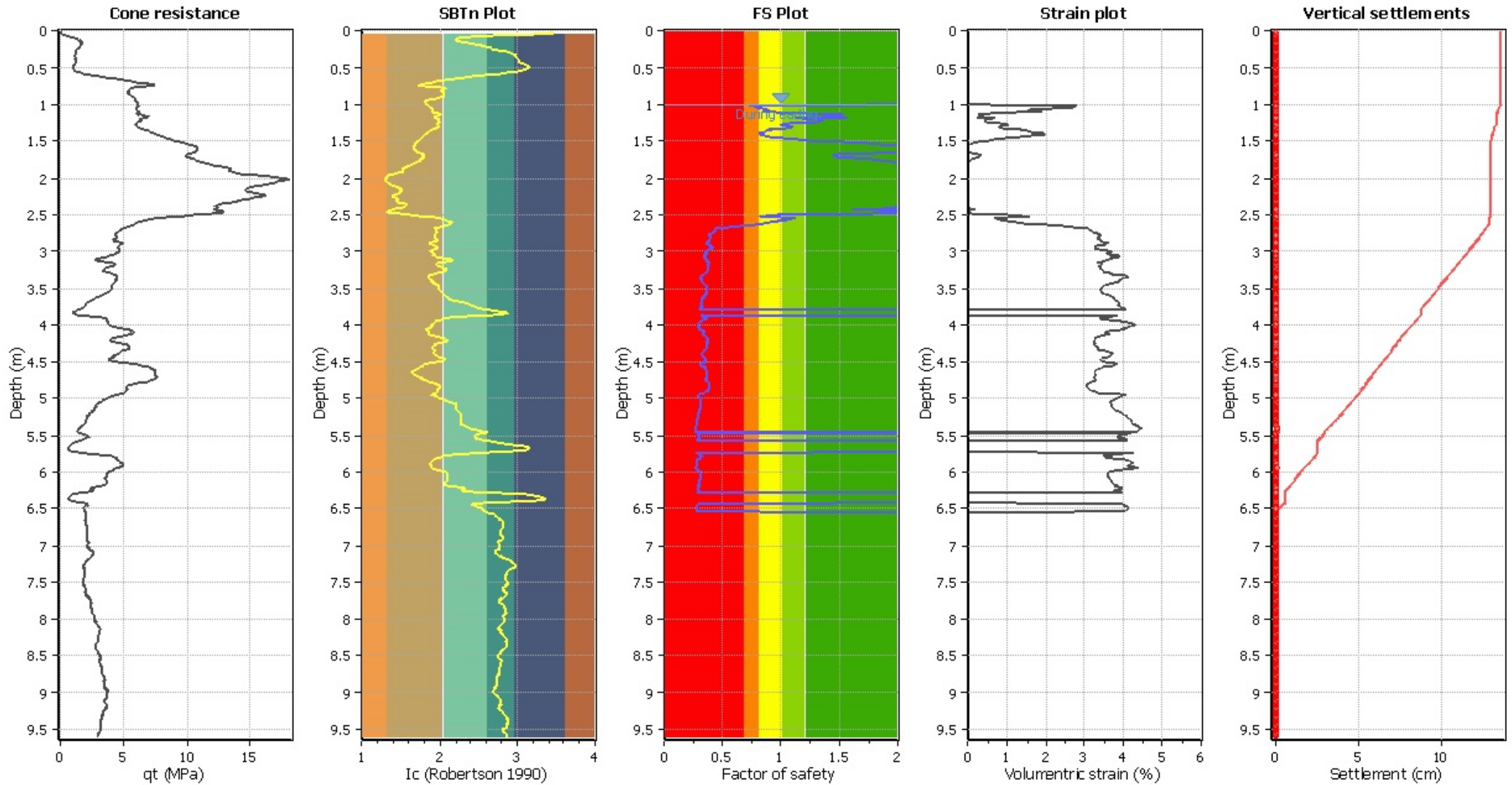
**Abbreviations**

FS: Calculated factor of safety for test point

 $F_L$ : 1 - FS $w_z$ : Function value of the extend of soil liquefaction according to depth $d_z$ : Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	111.52	2.00	0.00	1.00	0.00	1.01	114.69	0.74	2.79	1.00	0.03
1.02	116.51	0.75	2.74	1.00	0.03	1.03	118.91	0.78	2.68	1.00	0.03
1.04	121.11	0.80	2.63	1.00	0.03	1.05	124.19	0.84	2.02	1.00	0.02
1.06	126.45	0.87	1.71	1.00	0.02	1.07	127.97	0.89	1.55	1.00	0.02
1.08	128.44	0.90	1.52	1.00	0.02	1.09	125.77	0.85	1.90	1.00	0.02
1.10	130.11	0.92	1.38	1.00	0.01	1.11	135.29	1.01	0.99	1.00	0.01
1.12	141.65	1.16	0.65	1.00	0.01	1.13	149.88	1.43	0.33	1.00	0.00
1.14	152.39	1.52	0.25	1.00	0.00	1.15	150.37	1.43	0.33	1.00	0.00
1.16	148.64	1.36	0.39	1.00	0.00	1.17	153.67	1.56	0.23	1.00	0.00
1.18	141.26	1.12	0.72	1.00	0.01	1.19	144.93	1.22	0.56	1.00	0.01
1.20	148.10	1.32	0.43	1.00	0.00	1.21	149.13	1.35	0.40	1.00	0.00
1.22	149.04	1.34	0.41	1.00	0.00	1.23	148.64	1.32	0.43	1.00	0.00
1.24	148.60	1.32	0.44	1.00	0.00	1.25	143.82	1.16	0.64	1.00	0.01
1.26	140.36	1.06	0.83	1.00	0.01	1.27	137.34	0.99	1.03	1.00	0.01
1.28	139.42	1.03	0.90	1.00	0.01	1.29	141.20	1.07	0.81	1.00	0.01
1.30	142.06	1.09	0.77	1.00	0.01	1.31	141.90	1.08	0.78	1.00	0.01
1.32	141.16	1.06	0.83	1.00	0.01	1.33	138.02	0.99	1.04	1.00	0.01
1.34	133.97	0.90	1.38	1.00	0.01	1.35	134.38	0.90	1.36	1.00	0.01
1.36	132.91	0.88	1.52	1.00	0.02	1.37	131.96	0.86	1.65	1.00	0.02
1.38	130.05	0.82	1.94	1.00	0.02	1.39	130.78	0.83	1.84	1.00	0.02
1.40	130.11	0.82	1.96	1.00	0.02	1.41	130.08	0.81	1.99	1.00	0.02
1.42	132.40	0.85	1.67	1.00	0.02	1.43	133.43	0.87	1.56	1.00	0.02
1.44	134.99	0.89	1.40	1.00	0.01	1.45	136.82	0.92	1.24	1.00	0.01
1.46	140.61	1.00	0.97	1.00	0.01	1.47	143.11	1.06	0.82	1.00	0.01
1.48	146.30	1.15	0.66	1.00	0.01	1.49	149.66	1.25	0.51	1.00	0.01
1.50	155.34	1.47	0.30	1.00	0.00	1.51	157.51	1.56	0.23	1.00	0.00
1.52	159.28	1.65	0.17	1.00	0.00	1.53	161.93	1.80	0.09	1.00	0.00
1.54	162.39	1.82	0.08	1.00	0.00	1.55	163.75	1.90	0.04	1.00	0.00
1.56	165.09	1.99	0.00	1.00	0.00	1.57	168.45	2.00	0.00	1.00	0.00
1.58	169.66	2.00	0.00	1.00	0.00	1.59	170.51	2.00	0.00	1.00	0.00
1.60	171.01	2.00	0.00	1.00	0.00	1.61	170.57	2.00	0.00	1.00	0.00
1.62	169.67	2.00	0.00	1.00	0.00	1.63	167.82	2.00	0.00	1.00	0.00
1.64	167.04	2.00	0.00	1.00	0.00	1.65	166.14	2.00	0.00	1.00	0.00
1.66	164.64	1.91	0.04	1.00	0.00	1.67	160.30	1.64	0.17	1.00	0.00
1.68	157.79	1.51	0.26	1.00	0.00	1.69	156.67	1.46	0.30	1.00	0.00
1.70	156.27	1.44	0.32	1.00	0.00	1.71	157.31	1.48	0.28	1.00	0.00
1.72	157.91	1.51	0.27	1.00	0.00	1.73	160.70	1.64	0.17	1.00	0.00
1.74	161.52	1.69	0.15	1.00	0.00	1.75	163.68	1.81	0.08	1.00	0.00
1.76	164.56	1.87	0.06	1.00	0.00	1.77	165.43	1.92	0.03	1.00	0.00
1.78	167.12	2.00	0.00	1.00	0.00	1.79	170.07	2.00	0.00	1.00	0.00
1.80	172.70	2.00	0.00	1.00	0.00	1.81	175.20	2.00	0.00	1.00	0.00
1.82	177.33	2.00	0.00	1.00	0.00	1.83	182.89	2.00	0.00	1.00	0.00
1.84	186.00	2.00	0.00	1.00	0.00	1.85	190.10	2.00	0.00	1.00	0.00
1.86	192.95	2.00	0.00	1.00	0.00	1.87	193.44	2.00	0.00	1.00	0.00
1.88	191.37	2.00	0.00	1.00	0.00	1.89	190.08	2.00	0.00	1.00	0.00
1.90	190.46	2.00	0.00	1.00	0.00	1.91	192.74	2.00	0.00	1.00	0.00
1.92	192.46	2.00	0.00	1.00	0.00	1.93	192.18	2.00	0.00	1.00	0.00
1.94	199.63	2.00	0.00	1.00	0.00	1.95	206.76	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	216.73	2.00	0.00	1.00	0.00	1.97	222.54	2.00	0.00	1.00	0.00
1.98	224.77	2.00	0.00	1.00	0.00	1.99	227.20	2.00	0.00	1.00	0.00
2.00	231.48	2.00	0.00	1.00	0.00	2.01	239.11	2.00	0.00	1.00	0.00
2.02	238.25	2.00	0.00	1.00	0.00	2.03	233.83	2.00	0.00	1.00	0.00
2.04	230.44	2.00	0.00	1.00	0.00	2.05	229.08	2.00	0.00	1.00	0.00
2.06	224.81	2.00	0.00	1.00	0.00	2.07	223.43	2.00	0.00	1.00	0.00
2.08	218.91	2.00	0.00	1.00	0.00	2.09	216.37	2.00	0.00	1.00	0.00
2.10	212.44	2.00	0.00	1.00	0.00	2.11	208.46	2.00	0.00	1.00	0.00
2.12	205.43	2.00	0.00	1.00	0.00	2.13	202.49	2.00	0.00	1.00	0.00
2.14	201.93	2.00	0.00	1.00	0.00	2.15	200.71	2.00	0.00	1.00	0.00
2.16	199.93	2.00	0.00	1.00	0.00	2.17	198.82	2.00	0.00	1.00	0.00
2.18	199.78	2.00	0.00	1.00	0.00	2.19	201.92	2.00	0.00	1.00	0.00
2.20	206.52	2.00	0.00	1.00	0.00	2.21	209.39	2.00	0.00	1.00	0.00
2.22	210.97	2.00	0.00	1.00	0.00	2.23	213.49	2.00	0.00	1.00	0.00
2.24	218.50	2.00	0.00	1.00	0.00	2.25	213.76	2.00	0.00	1.00	0.00
2.26	209.07	2.00	0.00	1.00	0.00	2.27	204.99	2.00	0.00	1.00	0.00
2.28	203.47	2.00	0.00	1.00	0.00	2.29	195.99	2.00	0.00	1.00	0.00
2.30	194.13	2.00	0.00	1.00	0.00	2.31	191.82	2.00	0.00	1.00	0.00
2.32	189.18	2.00	0.00	1.00	0.00	2.33	190.71	2.00	0.00	1.00	0.00
2.34	180.88	2.00	0.00	1.00	0.00	2.35	176.98	2.00	0.00	1.00	0.00
2.36	172.12	2.00	0.00	1.00	0.00	2.37	172.22	2.00	0.00	1.00	0.00
2.38	172.11	2.00	0.00	1.00	0.00	2.39	169.43	2.00	0.00	1.00	0.00
2.40	168.64	1.97	0.01	1.00	0.00	2.41	180.28	2.00	0.00	1.00	0.00
2.42	166.97	1.84	0.07	1.00	0.00	2.43	163.38	1.62	0.19	1.00	0.00
2.44	174.70	2.00	0.00	1.00	0.00	2.45	176.37	2.00	0.00	1.00	0.00
2.46	177.16	2.00	0.00	1.00	0.00	2.47	176.73	2.00	0.00	1.00	0.00
2.48	176.41	2.00	0.00	1.00	0.00	2.49	166.95	1.83	0.08	1.00	0.00
2.50	160.41	1.45	0.30	1.00	0.00	2.51	146.63	0.97	1.00	1.00	0.01
2.52	141.14	0.85	1.47	1.00	0.01	2.53	139.88	0.82	1.62	1.00	0.02
2.54	150.85	1.08	0.75	1.00	0.01	2.55	152.00	1.12	0.68	1.00	0.01
2.56	150.43	1.07	0.77	1.00	0.01	2.57	149.90	1.05	0.80	1.00	0.01
2.58	149.65	1.04	0.82	1.00	0.01	2.59	146.91	0.97	1.00	1.00	0.01
2.60	147.02	0.97	0.99	1.00	0.01	2.61	144.05	0.90	1.22	1.00	0.01
2.62	141.67	0.85	1.45	1.00	0.01	2.63	136.32	0.75	2.20	1.00	0.02
2.64	129.38	0.65	2.45	1.00	0.02	2.65	128.03	0.64	2.48	1.00	0.02
2.66	122.74	0.58	2.59	1.00	0.03	2.67	114.29	0.50	2.80	1.00	0.03
2.68	104.28	0.44	3.08	1.00	0.03	2.69	103.41	0.43	3.10	1.00	0.03
2.70	102.71	0.43	3.13	1.00	0.03	2.71	102.50	0.43	3.13	1.00	0.03
2.72	101.40	0.42	3.17	1.00	0.03	2.73	100.48	0.42	3.20	1.00	0.03
2.74	98.16	0.41	3.27	1.00	0.03	2.75	96.25	0.40	3.34	1.00	0.03
2.76	94.74	0.39	3.39	1.00	0.03	2.77	94.44	0.39	3.40	1.00	0.03
2.78	94.77	0.39	3.39	1.00	0.03	2.79	95.02	0.39	3.38	1.00	0.03
2.80	95.63	0.39	3.36	1.00	0.03	2.81	95.70	0.39	3.36	1.00	0.03
2.82	96.54	0.40	3.33	1.00	0.03	2.83	94.92	0.39	3.39	1.00	0.03
2.84	94.89	0.39	3.39	1.00	0.03	2.85	95.01	0.39	3.38	1.00	0.03
2.86	92.33	0.38	3.48	1.00	0.03	2.87	92.74	0.38	3.47	1.00	0.03
2.88	88.74	0.36	3.62	1.00	0.04	2.89	90.38	0.37	3.56	1.00	0.04
2.90	90.11	0.37	3.57	1.00	0.04	2.91	94.07	0.38	3.42	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	96.59	0.39	3.33	1.00	0.03	2.93	99.52	0.41	3.23	1.00	0.03
2.94	97.70	0.40	3.29	1.00	0.03	2.95	99.58	0.40	3.23	1.00	0.03
2.96	97.80	0.40	3.29	1.00	0.03	2.97	94.53	0.38	3.40	1.00	0.03
2.98	91.48	0.37	3.52	1.00	0.04	2.99	88.03	0.36	3.65	1.00	0.04
3.00	87.32	0.35	3.68	1.00	0.04	3.01	87.54	0.35	3.67	1.00	0.04
3.02	89.51	0.36	3.59	1.00	0.04	3.03	89.90	0.36	3.58	1.00	0.04
3.04	89.41	0.36	3.60	1.00	0.04	3.05	87.01	0.35	3.69	1.00	0.04
3.06	82.99	0.34	3.87	1.00	0.04	3.07	83.11	0.34	3.86	1.00	0.04
3.08	88.12	0.35	3.65	1.00	0.04	3.09	86.50	0.35	3.72	1.00	0.04
3.10	86.70	0.35	3.71	1.00	0.04	3.11	89.73	0.36	3.58	1.00	0.04
3.12	89.69	0.36	3.59	1.00	0.04	3.13	92.02	0.37	3.49	1.00	0.03
3.14	92.86	0.37	3.46	1.00	0.03	3.15	96.91	0.39	3.32	1.00	0.03
3.16	93.32	0.37	3.45	1.00	0.03	3.17	92.73	0.37	3.47	1.00	0.03
3.18	94.36	0.37	3.41	1.00	0.03	3.19	94.28	0.37	3.41	1.00	0.03
3.20	95.94	0.38	3.35	1.00	0.03	3.21	94.39	0.37	3.41	1.00	0.03
3.22	95.19	0.38	3.38	1.00	0.03	3.23	95.01	0.38	3.38	1.00	0.03
3.24	94.62	0.37	3.40	1.00	0.03	3.25	93.58	0.37	3.44	1.00	0.03
3.26	93.14	0.37	3.45	1.00	0.03	3.27	92.91	0.37	3.46	1.00	0.03
3.28	91.81	0.36	3.50	1.00	0.04	3.29	92.35	0.36	3.48	1.00	0.03
3.30	88.00	0.35	3.65	1.00	0.04	3.31	86.11	0.34	3.73	1.00	0.04
3.32	81.00	0.32	3.96	1.00	0.04	3.33	78.64	0.31	4.08	1.00	0.04
3.34	77.89	0.31	4.11	1.00	0.04	3.35	77.79	0.31	4.12	1.00	0.04
3.36	79.34	0.31	4.04	1.00	0.04	3.37	80.17	0.32	4.00	1.00	0.04
3.38	81.35	0.32	3.94	1.00	0.04	3.39	82.13	0.32	3.91	1.00	0.04
3.40	82.78	0.32	3.88	1.00	0.04	3.41	83.23	0.33	3.86	1.00	0.04
3.42	84.22	0.33	3.81	1.00	0.04	3.43	85.84	0.33	3.74	1.00	0.04
3.44	87.01	0.34	3.69	1.00	0.04	3.45	88.75	0.34	3.62	1.00	0.04
3.46	90.62	0.35	3.55	1.00	0.04	3.47	91.60	0.35	3.51	1.00	0.04
3.48	92.88	0.36	3.46	1.00	0.03	3.49	93.22	0.36	3.45	1.00	0.03
3.50	94.21	0.36	3.41	1.00	0.03	3.51	94.41	0.37	3.41	1.00	0.03
3.52	94.65	0.37	3.40	1.00	0.03	3.53	93.76	0.36	3.43	1.00	0.03
3.54	93.81	0.36	3.43	1.00	0.03	3.55	93.63	0.36	3.43	1.00	0.03
3.56	93.44	0.36	3.44	1.00	0.03	3.57	91.75	0.35	3.51	1.00	0.04
3.58	91.18	0.35	3.53	1.00	0.04	3.59	89.13	0.34	3.61	1.00	0.04
3.60	88.25	0.34	3.64	1.00	0.04	3.61	87.55	0.34	3.67	1.00	0.04
3.62	87.10	0.33	3.69	1.00	0.04	3.63	85.25	0.33	3.77	1.00	0.04
3.64	85.01	0.33	3.78	1.00	0.04	3.65	84.60	0.32	3.80	1.00	0.04
3.66	84.91	0.33	3.78	1.00	0.04	3.67	83.54	0.32	3.84	1.00	0.04
3.68	83.42	0.32	3.85	1.00	0.04	3.69	83.14	0.32	3.86	1.00	0.04
3.70	82.27	0.32	3.90	1.00	0.04	3.71	82.84	0.32	3.88	1.00	0.04
3.72	83.39	0.32	3.85	1.00	0.04	3.73	83.59	0.32	3.84	1.00	0.04
3.74	83.61	0.32	3.84	1.00	0.04	3.75	82.32	0.31	3.90	1.00	0.04
3.76	81.38	0.31	3.94	1.00	0.04	3.77	79.97	0.31	4.01	1.00	0.04
3.78	79.00	0.30	4.06	1.00	0.04	3.79	19.53	2.00	0.00	1.00	0.00
3.80	18.25	2.00	0.00	1.00	0.00	3.81	16.83	2.00	0.00	1.00	0.00
3.82	15.68	2.00	0.00	1.00	0.00	3.83	14.12	2.00	0.00	1.00	0.00
3.84	13.96	2.00	0.00	1.00	0.00	3.85	14.52	2.00	0.00	1.00	0.00
3.86	17.20	2.00	0.00	1.00	0.00	3.87	83.80	0.32	3.83	1.00	0.04

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	86.81	0.33	3.70	1.00	0.04	3.89	95.27	0.36	3.37	1.00	0.03
3.90	94.33	0.35	3.41	1.00	0.03	3.91	94.62	0.36	3.40	1.00	0.03
3.92	92.95	0.35	3.46	1.00	0.03	3.93	90.09	0.34	3.57	1.00	0.04
3.94	85.17	0.32	3.77	1.00	0.04	3.95	82.12	0.31	3.91	1.00	0.04
3.96	80.71	0.31	3.97	1.00	0.04	3.97	78.25	0.30	4.09	1.00	0.04
3.98	75.17	0.29	4.25	1.00	0.04	3.99	74.38	0.29	4.30	1.00	0.04
4.00	74.43	0.29	4.29	1.00	0.04	4.01	76.29	0.29	4.20	1.00	0.04
4.02	76.34	0.29	4.19	1.00	0.04	4.03	78.14	0.30	4.10	1.00	0.04
4.04	78.33	0.30	4.09	1.00	0.04	4.05	80.81	0.30	3.97	1.00	0.04
4.06	79.38	0.30	4.04	1.00	0.04	4.07	81.43	0.31	3.94	1.00	0.04
4.08	86.10	0.32	3.73	1.00	0.04	4.09	89.12	0.33	3.61	1.00	0.04
4.10	91.93	0.34	3.50	1.00	0.03	4.11	89.18	0.33	3.61	1.00	0.04
4.12	88.41	0.33	3.64	1.00	0.04	4.13	90.05	0.33	3.57	1.00	0.04
4.14	90.55	0.34	3.55	1.00	0.04	4.15	94.07	0.35	3.42	1.00	0.03
4.16	95.94	0.36	3.35	1.00	0.03	4.17	97.42	0.36	3.30	1.00	0.03
4.18	99.04	0.37	3.24	1.00	0.03	4.19	98.34	0.37	3.27	1.00	0.03
4.20	99.30	0.37	3.24	1.00	0.03	4.21	99.52	0.37	3.23	1.00	0.03
4.22	99.66	0.37	3.22	1.00	0.03	4.23	98.23	0.36	3.27	1.00	0.03
4.24	99.78	0.37	3.22	1.00	0.03	4.25	98.39	0.37	3.27	1.00	0.03
4.26	98.32	0.36	3.27	1.00	0.03	4.27	98.59	0.37	3.26	1.00	0.03
4.28	98.60	0.37	3.26	1.00	0.03	4.29	98.32	0.36	3.27	1.00	0.03
4.30	97.28	0.36	3.30	1.00	0.03	4.31	96.10	0.35	3.35	1.00	0.03
4.32	96.12	0.35	3.35	1.00	0.03	4.33	96.22	0.35	3.34	1.00	0.03
4.34	96.00	0.35	3.35	1.00	0.03	4.35	92.41	0.34	3.48	1.00	0.03
4.36	89.96	0.33	3.57	1.00	0.04	4.37	87.52	0.32	3.67	1.00	0.04
4.38	86.64	0.32	3.71	1.00	0.04	4.39	86.90	0.32	3.70	1.00	0.04
4.40	86.72	0.32	3.71	1.00	0.04	4.41	87.65	0.32	3.67	1.00	0.04
4.42	88.44	0.32	3.64	1.00	0.04	4.43	90.23	0.33	3.56	1.00	0.04
4.44	91.91	0.34	3.50	1.00	0.03	4.45	93.75	0.34	3.43	1.00	0.03
4.46	94.00	0.34	3.42	1.00	0.03	4.47	94.59	0.35	3.40	1.00	0.03
4.48	94.29	0.34	3.41	1.00	0.03	4.49	93.86	0.34	3.43	1.00	0.03
4.50	90.53	0.33	3.55	1.00	0.04	4.51	90.60	0.33	3.55	1.00	0.04
4.52	84.51	0.31	3.80	1.00	0.04	4.53	83.37	0.30	3.85	1.00	0.04
4.54	84.49	0.31	3.80	1.00	0.04	4.55	86.76	0.32	3.70	1.00	0.04
4.56	92.02	0.33	3.49	1.00	0.03	4.57	93.35	0.34	3.44	1.00	0.03
4.58	94.12	0.34	3.42	1.00	0.03	4.59	94.88	0.34	3.39	1.00	0.03
4.60	96.29	0.35	3.34	1.00	0.03	4.61	97.38	0.35	3.30	1.00	0.03
4.62	98.47	0.36	3.26	1.00	0.03	4.63	98.76	0.36	3.25	1.00	0.03
4.64	98.70	0.36	3.26	1.00	0.03	4.65	98.42	0.36	3.27	1.00	0.03
4.66	97.78	0.36	3.29	1.00	0.03	4.67	97.61	0.35	3.29	1.00	0.03
4.68	98.01	0.36	3.28	1.00	0.03	4.69	98.41	0.36	3.27	1.00	0.03
4.70	99.15	0.36	3.24	1.00	0.03	4.71	99.20	0.36	3.24	1.00	0.03
4.72	99.26	0.36	3.24	1.00	0.03	4.73	99.03	0.36	3.25	1.00	0.03
4.74	97.64	0.35	3.29	1.00	0.03	4.75	97.33	0.35	3.30	1.00	0.03
4.76	97.61	0.35	3.29	1.00	0.03	4.77	100.90	0.37	3.18	1.00	0.03
4.78	100.82	0.37	3.19	1.00	0.03	4.79	104.16	0.38	3.08	1.00	0.03
4.80	104.93	0.39	3.06	1.00	0.03	4.81	105.46	0.39	3.04	1.00	0.03
4.82	105.59	0.39	3.04	1.00	0.03	4.83	105.57	0.39	3.04	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	105.26	0.39	3.05	1.00	0.03	4.85	104.66	0.39	3.07	1.00	0.03
4.86	104.29	0.38	3.08	1.00	0.03	4.87	103.50	0.38	3.10	1.00	0.03
4.88	102.56	0.37	3.13	1.00	0.03	4.89	101.20	0.37	3.17	1.00	0.03
4.90	98.79	0.36	3.25	1.00	0.03	4.91	97.82	0.35	3.29	1.00	0.03
4.92	97.64	0.35	3.29	1.00	0.03	4.93	94.50	0.34	3.40	1.00	0.03
4.94	84.38	0.30	3.81	1.00	0.04	4.95	79.02	0.29	4.06	1.00	0.04
4.96	80.48	0.29	3.99	1.00	0.04	4.97	80.63	0.29	3.98	1.00	0.04
4.98	82.20	0.30	3.91	1.00	0.04	4.99	83.48	0.30	3.85	1.00	0.04
5.00	83.74	0.30	3.84	1.00	0.04	5.01	85.10	0.30	3.78	1.00	0.04
5.02	85.69	0.31	3.75	1.00	0.04	5.03	86.82	0.31	3.70	1.00	0.04
5.04	87.41	0.31	3.68	1.00	0.04	5.05	88.27	0.31	3.64	1.00	0.04
5.06	87.88	0.31	3.66	1.00	0.04	5.07	88.42	0.31	3.64	1.00	0.04
5.08	87.41	0.31	3.68	1.00	0.04	5.09	87.44	0.31	3.68	1.00	0.04
5.10	87.02	0.31	3.69	1.00	0.04	5.11	86.83	0.31	3.70	1.00	0.04
5.12	86.39	0.31	3.72	1.00	0.04	5.13	85.97	0.31	3.74	1.00	0.04
5.14	85.71	0.31	3.75	1.00	0.04	5.15	85.28	0.30	3.77	1.00	0.04
5.16	84.78	0.30	3.79	1.00	0.04	5.17	84.32	0.30	3.81	1.00	0.04
5.18	82.85	0.30	3.88	1.00	0.04	5.19	82.21	0.29	3.90	1.00	0.04
5.20	81.44	0.29	3.94	1.00	0.04	5.21	80.96	0.29	3.96	1.00	0.04
5.22	80.20	0.29	4.00	1.00	0.04	5.23	79.80	0.29	4.02	1.00	0.04
5.24	78.98	0.28	4.06	1.00	0.04	5.25	78.43	0.28	4.09	1.00	0.04
5.26	78.05	0.28	4.10	1.00	0.04	5.27	77.61	0.28	4.13	1.00	0.04
5.28	76.91	0.28	4.16	1.00	0.04	5.29	76.54	0.28	4.18	1.00	0.04
5.30	76.27	0.28	4.20	1.00	0.04	5.31	76.11	0.28	4.20	1.00	0.04
5.32	75.92	0.28	4.21	1.00	0.04	5.33	75.80	0.27	4.22	1.00	0.04
5.34	75.17	0.27	4.25	1.00	0.04	5.35	74.98	0.27	4.26	1.00	0.04
5.36	74.14	0.27	4.31	1.00	0.04	5.37	73.58	0.27	4.34	1.00	0.04
5.38	72.86	0.27	4.38	1.00	0.04	5.39	71.68	0.26	4.45	1.00	0.04
5.40	71.57	0.26	4.46	1.00	0.04	5.41	71.91	0.26	4.44	1.00	0.04
5.42	72.16	0.26	4.42	1.00	0.04	5.43	72.55	0.27	4.40	1.00	0.04
5.44	72.92	0.27	4.38	1.00	0.04	5.45	16.63	2.00	0.00	1.00	0.00
5.46	17.50	2.00	0.00	1.00	0.00	5.47	75.94	0.27	4.21	1.00	0.04
5.48	78.73	0.28	4.07	1.00	0.04	5.49	80.43	0.29	3.99	1.00	0.04
5.50	82.25	0.29	3.90	1.00	0.04	5.51	84.01	0.30	3.82	1.00	0.04
5.52	84.08	0.30	3.82	1.00	0.04	5.53	83.60	0.29	3.84	1.00	0.04
5.54	82.99	0.29	3.87	1.00	0.04	5.55	79.67	0.28	4.03	1.00	0.04
5.56	78.01	0.28	4.11	1.00	0.04	5.57	19.24	2.00	0.00	1.00	0.00
5.58	16.73	2.00	0.00	1.00	0.00	5.59	14.84	2.00	0.00	1.00	0.00
5.60	13.58	2.00	0.00	1.00	0.00	5.61	11.56	2.00	0.00	1.00	0.00
5.62	11.04	2.00	0.00	1.00	0.00	5.63	10.52	2.00	0.00	1.00	0.00
5.64	9.76	2.00	0.00	1.00	0.00	5.65	8.99	2.00	0.00	1.00	0.00
5.66	8.10	2.00	0.00	1.00	0.00	5.67	7.59	2.00	0.00	1.00	0.00
5.68	7.84	2.00	0.00	1.00	0.00	5.69	8.09	2.00	0.00	1.00	0.00
5.70	8.46	2.00	0.00	1.00	0.00	5.71	9.09	2.00	0.00	1.00	0.00
5.72	10.22	2.00	0.00	1.00	0.00	5.73	14.97	2.00	0.00	1.00	0.00
5.74	75.11	0.27	4.26	1.00	0.04	5.75	79.49	0.28	4.03	1.00	0.04
5.76	83.72	0.29	3.84	1.00	0.04	5.77	85.52	0.30	3.76	1.00	0.04
5.78	92.33	0.32	3.48	1.00	0.03	5.79	91.21	0.32	3.53	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	90.73	0.32	3.54	1.00	0.04	5.81	89.10	0.31	3.61	1.00	0.04
5.82	85.21	0.30	3.77	1.00	0.04	5.83	81.06	0.28	3.96	1.00	0.04
5.84	78.02	0.28	4.11	1.00	0.04	5.85	77.28	0.27	4.14	1.00	0.04
5.86	76.49	0.27	4.18	1.00	0.04	5.87	76.66	0.27	4.18	1.00	0.04
5.88	75.41	0.27	4.24	1.00	0.04	5.89	75.71	0.27	4.23	1.00	0.04
5.90	76.83	0.27	4.17	1.00	0.04	5.91	77.89	0.28	4.11	1.00	0.04
5.92	78.52	0.28	4.08	1.00	0.04	5.93	77.47	0.27	4.13	1.00	0.04
5.94	72.70	0.26	4.39	1.00	0.04	5.95	73.28	0.26	4.36	1.00	0.04
5.96	76.80	0.27	4.17	1.00	0.04	5.97	79.89	0.28	4.01	1.00	0.04
5.98	82.62	0.29	3.89	1.00	0.04	5.99	85.65	0.30	3.75	1.00	0.04
6.00	87.23	0.30	3.68	1.00	0.04	6.01	88.99	0.31	3.61	1.00	0.04
6.02	89.76	0.31	3.58	1.00	0.04	6.03	89.92	0.31	3.58	1.00	0.04
6.04	89.21	0.31	3.60	1.00	0.04	6.05	89.17	0.31	3.61	1.00	0.04
6.06	89.43	0.31	3.60	1.00	0.04	6.07	89.06	0.31	3.61	1.00	0.04
6.08	89.03	0.31	3.61	1.00	0.04	6.09	88.69	0.31	3.62	1.00	0.04
6.10	88.35	0.31	3.64	1.00	0.04	6.11	87.97	0.30	3.65	1.00	0.04
6.12	87.50	0.30	3.67	1.00	0.04	6.13	87.09	0.30	3.69	1.00	0.04
6.14	86.37	0.30	3.72	1.00	0.04	6.15	85.81	0.30	3.74	1.00	0.04
6.16	85.20	0.30	3.77	1.00	0.04	6.17	85.17	0.29	3.77	1.00	0.04
6.18	83.98	0.29	3.82	1.00	0.04	6.19	85.10	0.29	3.78	1.00	0.04
6.20	83.30	0.29	3.86	1.00	0.04	6.21	81.68	0.28	3.93	1.00	0.04
6.22	80.68	0.28	3.98	1.00	0.04	6.23	81.72	0.28	3.93	1.00	0.04
6.24	83.48	0.29	3.85	1.00	0.04	6.25	86.02	0.30	3.74	1.00	0.04
6.26	84.01	0.29	3.82	1.00	0.04	6.27	80.51	0.28	3.98	1.00	0.04
6.28	19.64	2.00	0.00	1.00	0.00	6.29	12.77	2.00	0.00	1.00	0.00
6.30	11.43	2.00	0.00	1.00	0.00	6.31	10.46	2.00	0.00	1.00	0.00
6.32	9.96	2.00	0.00	1.00	0.00	6.33	9.59	2.00	0.00	1.00	0.00
6.34	8.62	2.00	0.00	1.00	0.00	6.35	8.25	2.00	0.00	1.00	0.00
6.36	8.12	2.00	0.00	1.00	0.00	6.37	8.12	2.00	0.00	1.00	0.00
6.38	8.11	2.00	0.00	1.00	0.00	6.39	9.07	2.00	0.00	1.00	0.00
6.40	12.20	2.00	0.00	1.00	0.00	6.41	15.91	2.00	0.00	1.00	0.00
6.42	20.79	2.00	0.00	1.00	0.00	6.43	81.84	0.28	3.92	1.00	0.04
6.44	80.71	0.28	3.97	1.00	0.04	6.45	80.11	0.28	4.00	1.00	0.04
6.46	79.88	0.28	4.01	1.00	0.04	6.47	78.39	0.27	4.09	1.00	0.04
6.48	78.15	0.27	4.10	1.00	0.04	6.49	77.75	0.27	4.12	1.00	0.04
6.50	77.87	0.27	4.11	1.00	0.04	6.51	78.14	0.27	4.10	1.00	0.04
6.52	78.84	0.28	4.07	1.00	0.04	6.53	79.78	0.28	4.02	1.00	0.04
6.54	80.19	0.28	4.00	1.00	0.04	6.55	23.21	2.00	0.00	1.00	0.00
6.56	23.42	2.00	0.00	1.00	0.00	6.57	23.28	2.00	0.00	1.00	0.00
6.58	23.15	2.00	0.00	1.00	0.00	6.59	23.13	2.00	0.00	1.00	0.00
6.60	23.23	2.00	0.00	1.00	0.00	6.61	22.98	2.00	0.00	1.00	0.00
6.62	22.85	2.00	0.00	1.00	0.00	6.63	22.95	2.00	0.00	1.00	0.00
6.64	22.93	2.00	0.00	1.00	0.00	6.65	22.80	2.00	0.00	1.00	0.00
6.66	22.78	2.00	0.00	1.00	0.00	6.67	22.88	2.00	0.00	1.00	0.00
6.68	22.86	2.00	0.00	1.00	0.00	6.69	22.96	2.00	0.00	1.00	0.00
6.70	23.41	2.00	0.00	1.00	0.00	6.71	23.86	2.00	0.00	1.00	0.00
6.72	23.96	2.00	0.00	1.00	0.00	6.73	23.83	2.00	0.00	1.00	0.00
6.74	24.16	2.00	0.00	1.00	0.00	6.75	24.49	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	24.47	2.00	0.00	1.00	0.00	6.77	24.34	2.00	0.00	1.00	0.00
6.78	24.33	2.00	0.00	1.00	0.00	6.79	24.54	2.00	0.00	1.00	0.00
6.80	24.64	2.00	0.00	1.00	0.00	6.81	24.86	2.00	0.00	1.00	0.00
6.82	24.84	2.00	0.00	1.00	0.00	6.83	24.48	2.00	0.00	1.00	0.00
6.84	24.24	2.00	0.00	1.00	0.00	6.85	24.22	2.00	0.00	1.00	0.00
6.86	24.32	2.00	0.00	1.00	0.00	6.87	24.31	2.00	0.00	1.00	0.00
6.88	24.29	2.00	0.00	1.00	0.00	6.89	24.05	2.00	0.00	1.00	0.00
6.90	24.15	2.00	0.00	1.00	0.00	6.91	24.02	2.00	0.00	1.00	0.00
6.92	24.00	2.00	0.00	1.00	0.00	6.93	23.99	2.00	0.00	1.00	0.00
6.94	24.77	2.00	0.00	1.00	0.00	6.95	24.99	2.00	0.00	1.00	0.00
6.96	25.20	2.00	0.00	1.00	0.00	6.97	25.19	2.00	0.00	1.00	0.00
6.98	25.06	2.00	0.00	1.00	0.00	6.99	24.81	2.00	0.00	1.00	0.00
7.00	24.57	2.00	0.00	1.00	0.00	7.01	24.78	2.00	0.00	1.00	0.00
7.02	24.66	2.00	0.00	1.00	0.00	7.03	25.09	2.00	0.00	1.00	0.00
7.04	25.42	2.00	0.00	1.00	0.00	7.05	25.85	2.00	0.00	1.00	0.00
7.06	26.97	2.00	0.00	1.00	0.00	7.07	28.19	2.00	0.00	1.00	0.00
7.08	29.29	2.00	0.00	1.00	0.00	7.09	29.50	2.00	0.00	1.00	0.00
7.10	29.26	2.00	0.00	1.00	0.00	7.11	29.01	2.00	0.00	1.00	0.00
7.12	28.66	2.00	0.00	1.00	0.00	7.13	28.30	2.00	0.00	1.00	0.00
7.14	28.17	2.00	0.00	1.00	0.00	7.15	27.59	2.00	0.00	1.00	0.00
7.16	26.90	2.00	0.00	1.00	0.00	7.17	26.21	2.00	0.00	1.00	0.00
7.18	24.85	2.00	0.00	1.00	0.00	7.19	24.16	2.00	0.00	1.00	0.00
7.20	23.58	2.00	0.00	1.00	0.00	7.21	23.12	2.00	0.00	1.00	0.00
7.22	22.54	2.00	0.00	1.00	0.00	7.23	22.19	2.00	0.00	1.00	0.00
7.24	21.84	2.00	0.00	1.00	0.00	7.25	21.60	2.00	0.00	1.00	0.00
7.26	21.03	2.00	0.00	1.00	0.00	7.27	20.23	2.00	0.00	1.00	0.00
7.28	20.10	2.00	0.00	1.00	0.00	7.29	20.09	2.00	0.00	1.00	0.00
7.30	20.41	2.00	0.00	1.00	0.00	7.31	20.74	2.00	0.00	1.00	0.00
7.32	21.40	2.00	0.00	1.00	0.00	7.33	21.61	2.00	0.00	1.00	0.00
7.34	21.60	2.00	0.00	1.00	0.00	7.35	21.37	2.00	0.00	1.00	0.00
7.36	21.58	2.00	0.00	1.00	0.00	7.37	21.34	2.00	0.00	1.00	0.00
7.38	21.00	2.00	0.00	1.00	0.00	7.39	20.76	2.00	0.00	1.00	0.00
7.40	21.08	2.00	0.00	1.00	0.00	7.41	20.85	2.00	0.00	1.00	0.00
7.42	20.73	2.00	0.00	1.00	0.00	7.43	20.60	2.00	0.00	1.00	0.00
7.44	20.59	2.00	0.00	1.00	0.00	7.45	20.02	2.00	0.00	1.00	0.00
7.46	20.01	2.00	0.00	1.00	0.00	7.47	20.11	2.00	0.00	1.00	0.00
7.48	19.88	2.00	0.00	1.00	0.00	7.49	19.53	2.00	0.00	1.00	0.00
7.50	19.52	2.00	0.00	1.00	0.00	7.51	19.62	2.00	0.00	1.00	0.00
7.52	19.72	2.00	0.00	1.00	0.00	7.53	19.82	2.00	0.00	1.00	0.00
7.54	20.14	2.00	0.00	1.00	0.00	7.55	20.46	2.00	0.00	1.00	0.00
7.56	20.89	2.00	0.00	1.00	0.00	7.57	21.32	2.00	0.00	1.00	0.00
7.58	21.75	2.00	0.00	1.00	0.00	7.59	21.96	2.00	0.00	1.00	0.00
7.60	22.06	2.00	0.00	1.00	0.00	7.61	22.05	2.00	0.00	1.00	0.00
7.62	22.14	2.00	0.00	1.00	0.00	7.63	22.13	2.00	0.00	1.00	0.00
7.64	21.68	2.00	0.00	1.00	0.00	7.65	21.44	2.00	0.00	1.00	0.00
7.66	21.10	2.00	0.00	1.00	0.00	7.67	21.97	2.00	0.00	1.00	0.00
7.68	22.50	2.00	0.00	1.00	0.00	7.69	22.93	2.00	0.00	1.00	0.00
7.70	23.36	2.00	0.00	1.00	0.00	7.71	23.78	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	24.86	2.00	0.00	1.00	0.00	7.73	25.07	2.00	0.00	1.00	0.00
7.74	25.27	2.00	0.00	1.00	0.00	7.75	25.58	2.00	0.00	1.00	0.00
7.76	26.01	2.00	0.00	1.00	0.00	7.77	26.43	2.00	0.00	1.00	0.00
7.78	26.41	2.00	0.00	1.00	0.00	7.79	26.50	2.00	0.00	1.00	0.00
7.80	26.38	2.00	0.00	1.00	0.00	7.81	25.93	2.00	0.00	1.00	0.00
7.82	25.69	2.00	0.00	1.00	0.00	7.83	25.89	2.00	0.00	1.00	0.00
7.84	26.20	2.00	0.00	1.00	0.00	7.85	25.97	2.00	0.00	1.00	0.00
7.86	26.17	2.00	0.00	1.00	0.00	7.87	26.59	2.00	0.00	1.00	0.00
7.88	26.57	2.00	0.00	1.00	0.00	7.89	26.56	2.00	0.00	1.00	0.00
7.90	26.76	2.00	0.00	1.00	0.00	7.91	27.07	2.00	0.00	1.00	0.00
7.92	27.05	2.00	0.00	1.00	0.00	7.93	27.04	2.00	0.00	1.00	0.00
7.94	28.10	2.00	0.00	1.00	0.00	7.95	28.83	2.00	0.00	1.00	0.00
7.96	28.82	2.00	0.00	1.00	0.00	7.97	28.69	2.00	0.00	1.00	0.00
7.98	29.64	2.00	0.00	1.00	0.00	7.99	29.30	2.00	0.00	1.00	0.00
8.00	29.82	2.00	0.00	1.00	0.00	8.01	29.05	2.00	0.00	1.00	0.00
8.02	29.46	2.00	0.00	1.00	0.00	8.03	29.45	2.00	0.00	1.00	0.00
8.04	29.86	2.00	0.00	1.00	0.00	8.05	30.38	2.00	0.00	1.00	0.00
8.06	30.57	2.00	0.00	1.00	0.00	8.07	30.98	2.00	0.00	1.00	0.00
8.08	31.92	2.00	0.00	1.00	0.00	8.09	31.80	2.00	0.00	1.00	0.00
8.10	32.00	2.00	0.00	1.00	0.00	8.11	32.40	2.00	0.00	1.00	0.00
8.12	32.71	2.00	0.00	1.00	0.00	8.13	33.22	2.00	0.00	1.00	0.00
8.14	34.47	2.00	0.00	1.00	0.00	8.15	32.44	2.00	0.00	1.00	0.00
8.16	32.10	2.00	0.00	1.00	0.00	8.17	31.98	2.00	0.00	1.00	0.00
8.18	32.38	2.00	0.00	1.00	0.00	8.19	32.15	2.00	0.00	1.00	0.00
8.20	31.92	2.00	0.00	1.00	0.00	8.21	32.11	2.00	0.00	1.00	0.00
8.22	31.67	2.00	0.00	1.00	0.00	8.23	31.55	2.00	0.00	1.00	0.00
8.24	31.42	2.00	0.00	1.00	0.00	8.25	31.30	2.00	0.00	1.00	0.00
8.26	30.86	2.00	0.00	1.00	0.00	8.27	30.84	2.00	0.00	1.00	0.00
8.28	30.72	2.00	0.00	1.00	0.00	8.29	30.49	2.00	0.00	1.00	0.00
8.30	30.26	2.00	0.00	1.00	0.00	8.31	30.56	2.00	0.00	1.00	0.00
8.32	30.54	2.00	0.00	1.00	0.00	8.33	30.31	2.00	0.00	1.00	0.00
8.34	29.56	2.00	0.00	1.00	0.00	8.35	29.44	2.00	0.00	1.00	0.00
8.36	29.32	2.00	0.00	1.00	0.00	8.37	29.30	2.00	0.00	1.00	0.00
8.38	28.97	2.00	0.00	1.00	0.00	8.39	28.95	2.00	0.00	1.00	0.00
8.40	29.36	2.00	0.00	1.00	0.00	8.41	29.76	2.00	0.00	1.00	0.00
8.42	29.96	2.00	0.00	1.00	0.00	8.43	30.47	2.00	0.00	1.00	0.00
8.44	30.56	2.00	0.00	1.00	0.00	8.45	30.54	2.00	0.00	1.00	0.00
8.46	30.73	2.00	0.00	1.00	0.00	8.47	31.03	2.00	0.00	1.00	0.00
8.48	31.33	2.00	0.00	1.00	0.00	8.49	32.57	2.00	0.00	1.00	0.00
8.50	32.24	2.00	0.00	1.00	0.00	8.51	32.43	2.00	0.00	1.00	0.00
8.52	32.41	2.00	0.00	1.00	0.00	8.53	32.81	2.00	0.00	1.00	0.00
8.54	32.90	2.00	0.00	1.00	0.00	8.55	32.77	2.00	0.00	1.00	0.00
8.56	32.23	2.00	0.00	1.00	0.00	8.57	31.59	2.00	0.00	1.00	0.00
8.58	31.26	2.00	0.00	1.00	0.00	8.59	32.18	2.00	0.00	1.00	0.00
8.60	32.16	2.00	0.00	1.00	0.00	8.61	32.15	2.00	0.00	1.00	0.00
8.62	32.34	2.00	0.00	1.00	0.00	8.63	32.53	2.00	0.00	1.00	0.00
8.64	32.82	2.00	0.00	1.00	0.00	8.65	33.53	2.00	0.00	1.00	0.00
8.66	33.41	2.00	0.00	1.00	0.00	8.67	33.80	2.00	0.00	1.00	0.00



:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	34.10	2.00	0.00	1.00	0.00	8.69	34.08	2.00	0.00	1.00	0.00
8.70	33.65	2.00	0.00	1.00	0.00	8.71	33.21	2.00	0.00	1.00	0.00
8.72	33.40	2.00	0.00	1.00	0.00	8.73	33.80	2.00	0.00	1.00	0.00
8.74	34.09	2.00	0.00	1.00	0.00	8.75	34.28	2.00	0.00	1.00	0.00
8.76	34.57	2.00	0.00	1.00	0.00	8.77	35.27	2.00	0.00	1.00	0.00
8.78	35.36	2.00	0.00	1.00	0.00	8.79	35.34	2.00	0.00	1.00	0.00
8.80	35.63	2.00	0.00	1.00	0.00	8.81	35.51	2.00	0.00	1.00	0.00
8.82	35.39	2.00	0.00	1.00	0.00	8.83	35.58	2.00	0.00	1.00	0.00
8.84	35.15	2.00	0.00	1.00	0.00	8.85	35.03	2.00	0.00	1.00	0.00
8.86	35.73	2.00	0.00	1.00	0.00	8.87	35.40	2.00	0.00	1.00	0.00
8.88	34.97	2.00	0.00	1.00	0.00	8.89	34.75	2.00	0.00	1.00	0.00
8.90	35.34	2.00	0.00	1.00	0.00	8.91	35.84	2.00	0.00	1.00	0.00
8.92	35.82	2.00	0.00	1.00	0.00	8.93	35.80	2.00	0.00	1.00	0.00
8.94	36.09	2.00	0.00	1.00	0.00	8.95	36.69	2.00	0.00	1.00	0.00
8.96	37.28	2.00	0.00	1.00	0.00	8.97	37.67	2.00	0.00	1.00	0.00
8.98	37.65	2.00	0.00	1.00	0.00	8.99	38.14	2.00	0.00	1.00	0.00
9.00	37.71	2.00	0.00	1.00	0.00	9.01	37.08	2.00	0.00	1.00	0.00
9.02	37.17	2.00	0.00	1.00	0.00	9.03	37.15	2.00	0.00	1.00	0.00
9.04	36.92	2.00	0.00	1.00	0.00	9.05	36.70	2.00	0.00	1.00	0.00
9.06	36.68	2.00	0.00	1.00	0.00	9.07	36.36	2.00	0.00	1.00	0.00
9.08	36.23	2.00	0.00	1.00	0.00	9.09	35.81	2.00	0.00	1.00	0.00
9.10	35.69	2.00	0.00	1.00	0.00	9.11	35.57	2.00	0.00	1.00	0.00
9.12	35.96	2.00	0.00	1.00	0.00	9.13	35.43	2.00	0.00	1.00	0.00
9.14	35.31	2.00	0.00	1.00	0.00	9.15	35.70	2.00	0.00	1.00	0.00
9.16	35.88	2.00	0.00	1.00	0.00	9.17	36.17	2.00	0.00	1.00	0.00
9.18	36.15	2.00	0.00	1.00	0.00	9.19	35.93	2.00	0.00	1.00	0.00
9.20	35.61	2.00	0.00	1.00	0.00	9.21	35.79	2.00	0.00	1.00	0.00
9.22	36.18	2.00	0.00	1.00	0.00	9.23	36.36	2.00	0.00	1.00	0.00
9.24	34.73	2.00	0.00	1.00	0.00	9.25	34.31	2.00	0.00	1.00	0.00
9.26	33.88	2.00	0.00	1.00	0.00	9.27	33.87	2.00	0.00	1.00	0.00
9.28	33.85	2.00	0.00	1.00	0.00	9.29	33.53	2.00	0.00	1.00	0.00
9.30	33.41	2.00	0.00	1.00	0.00	9.31	33.09	2.00	0.00	1.00	0.00
9.32	32.57	2.00	0.00	1.00	0.00	9.33	32.45	2.00	0.00	1.00	0.00
9.34	32.24	2.00	0.00	1.00	0.00	9.35	32.52	2.00	0.00	1.00	0.00
9.36	32.50	2.00	0.00	1.00	0.00	9.37	31.78	2.00	0.00	1.00	0.00
9.38	31.67	2.00	0.00	1.00	0.00	9.39	31.15	2.00	0.00	1.00	0.00
9.40	31.13	2.00	0.00	1.00	0.00	9.41	31.32	2.00	0.00	1.00	0.00
9.42	31.70	2.00	0.00	1.00	0.00	9.43	31.48	2.00	0.00	1.00	0.00
9.44	31.67	2.00	0.00	1.00	0.00	9.45	31.65	2.00	0.00	1.00	0.00
9.46	31.34	2.00	0.00	1.00	0.00	9.47	30.92	2.00	0.00	1.00	0.00
9.48	30.70	2.00	0.00	1.00	0.00	9.49	31.09	2.00	0.00	1.00	0.00
9.50	31.37	2.00	0.00	1.00	0.00	9.51	31.86	2.00	0.00	1.00	0.00
9.52	31.74	2.00	0.00	1.00	0.00	9.53	30.83	2.00	0.00	1.00	0.00
9.54	30.51	2.00	0.00	1.00	0.00	9.55	30.40	2.00	0.00	1.00	0.00
9.56	29.79	2.00	0.00	1.00	0.00	9.57	29.17	2.00	0.00	1.00	0.00
9.58	29.06	2.00	0.00	1.00	0.00	9.59	28.84	2.00	0.00	1.00	0.00
9.60	28.43	2.00	0.00	1.00	0.00						

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
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**Total estimated settlement: 13.55****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

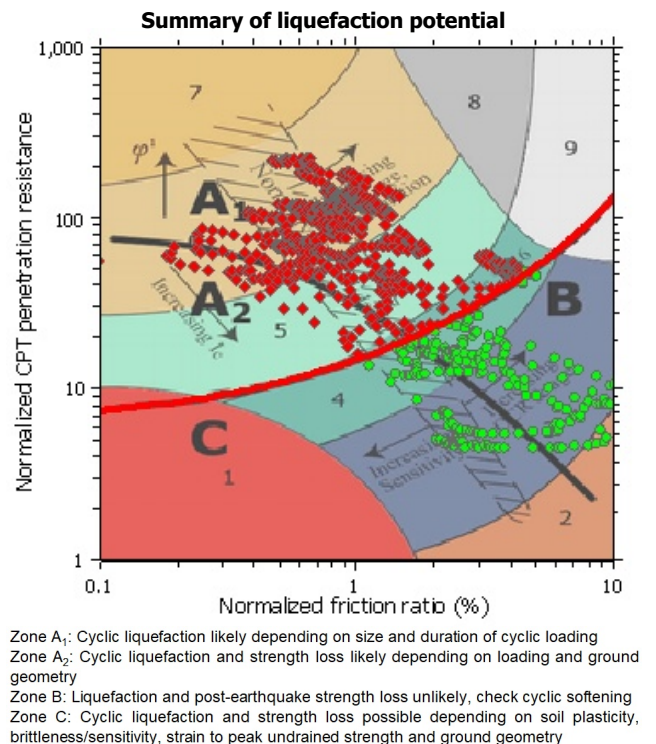
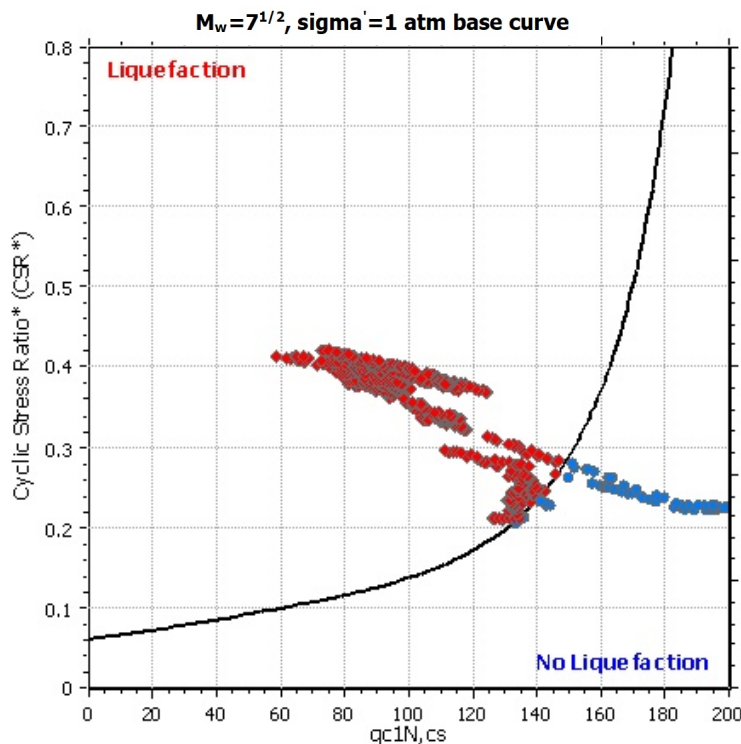
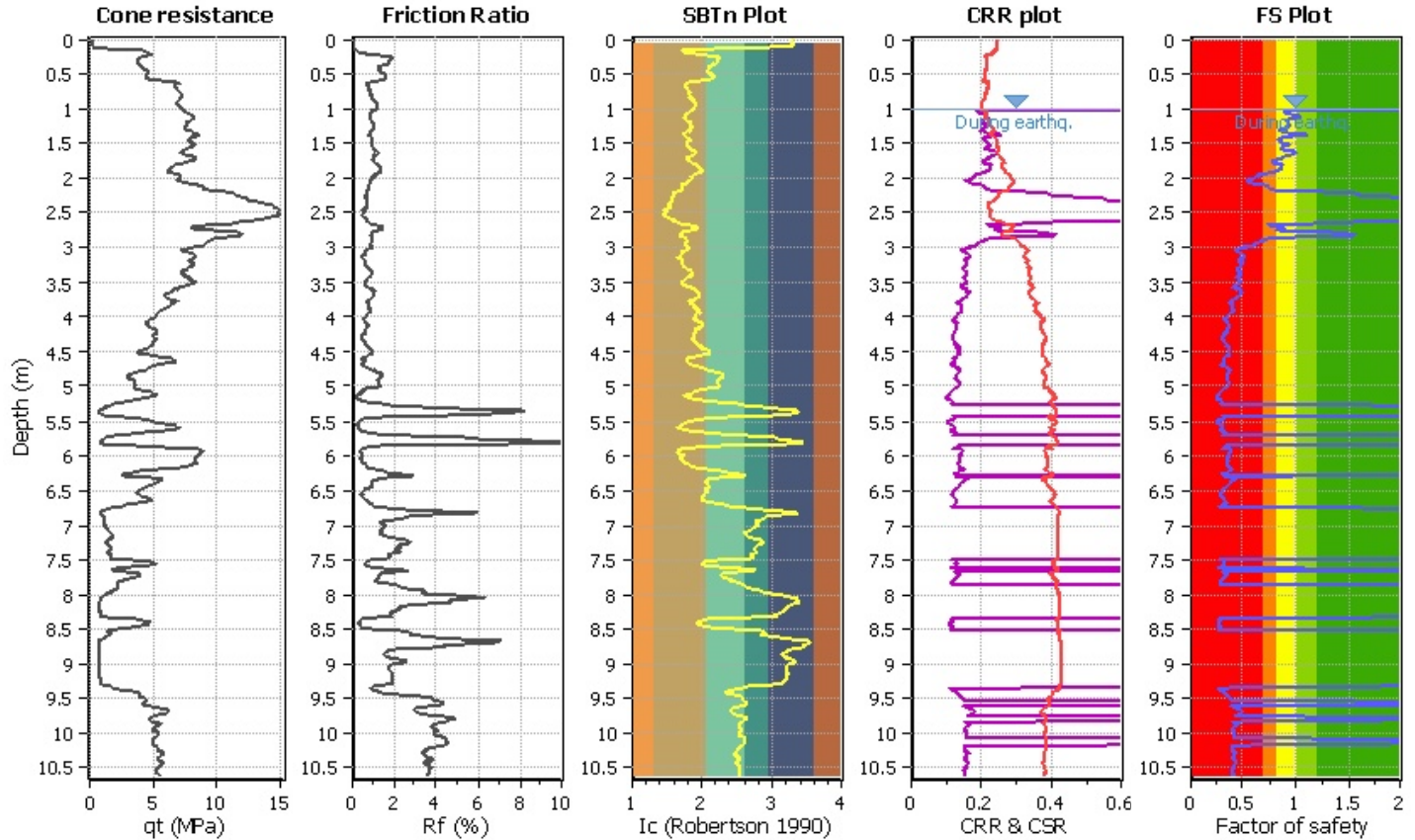
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

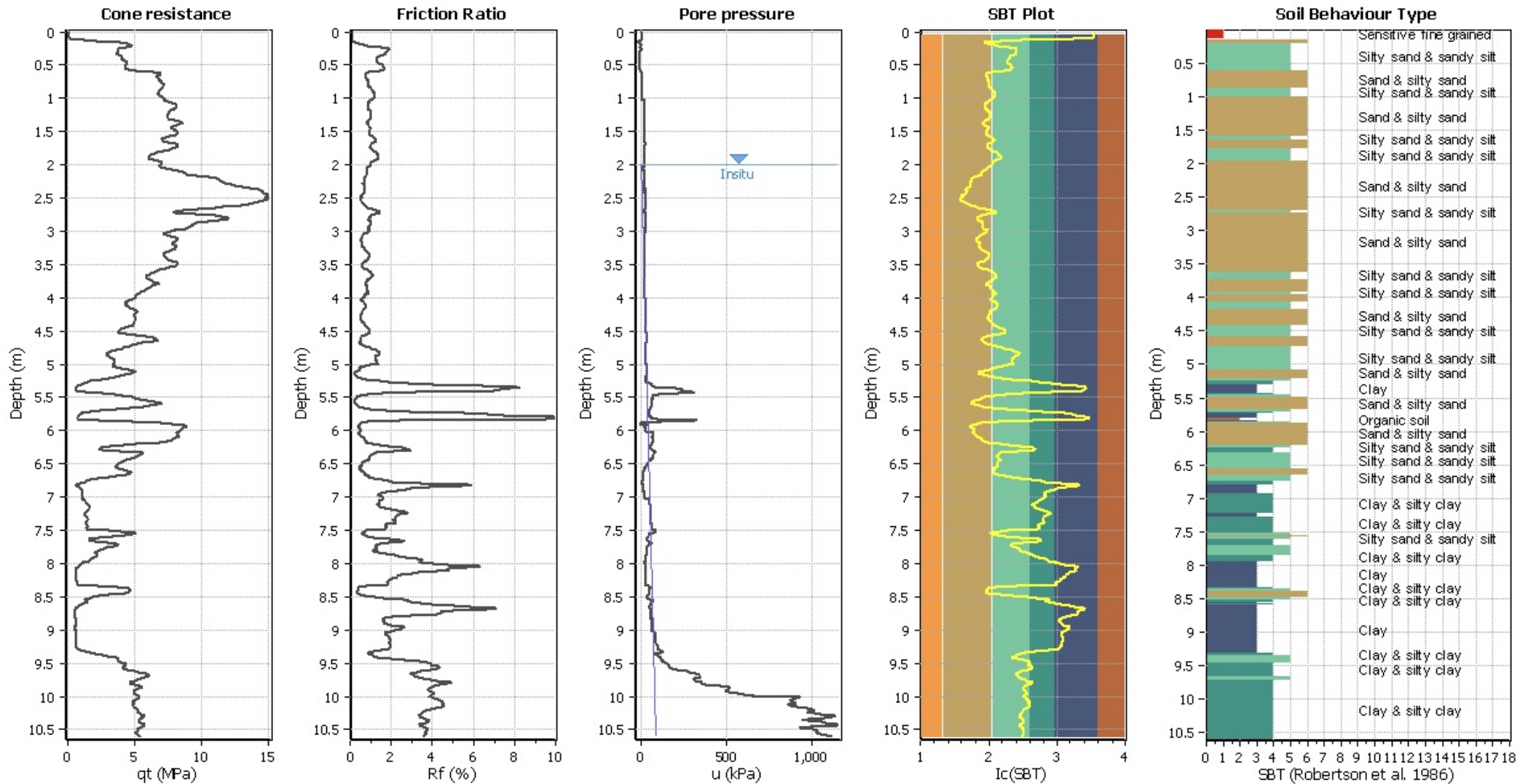
**CPT file : CPTU-12-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



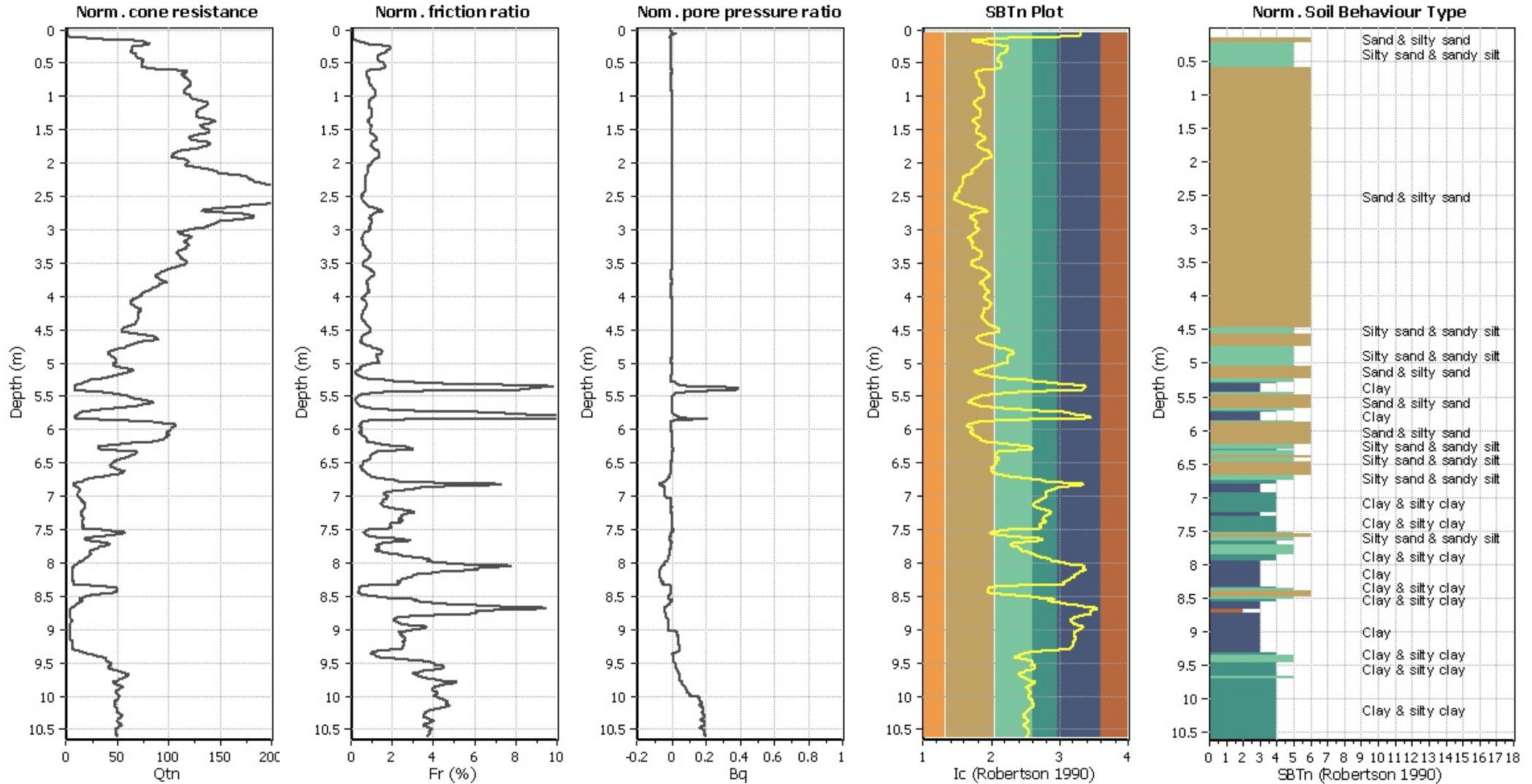
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



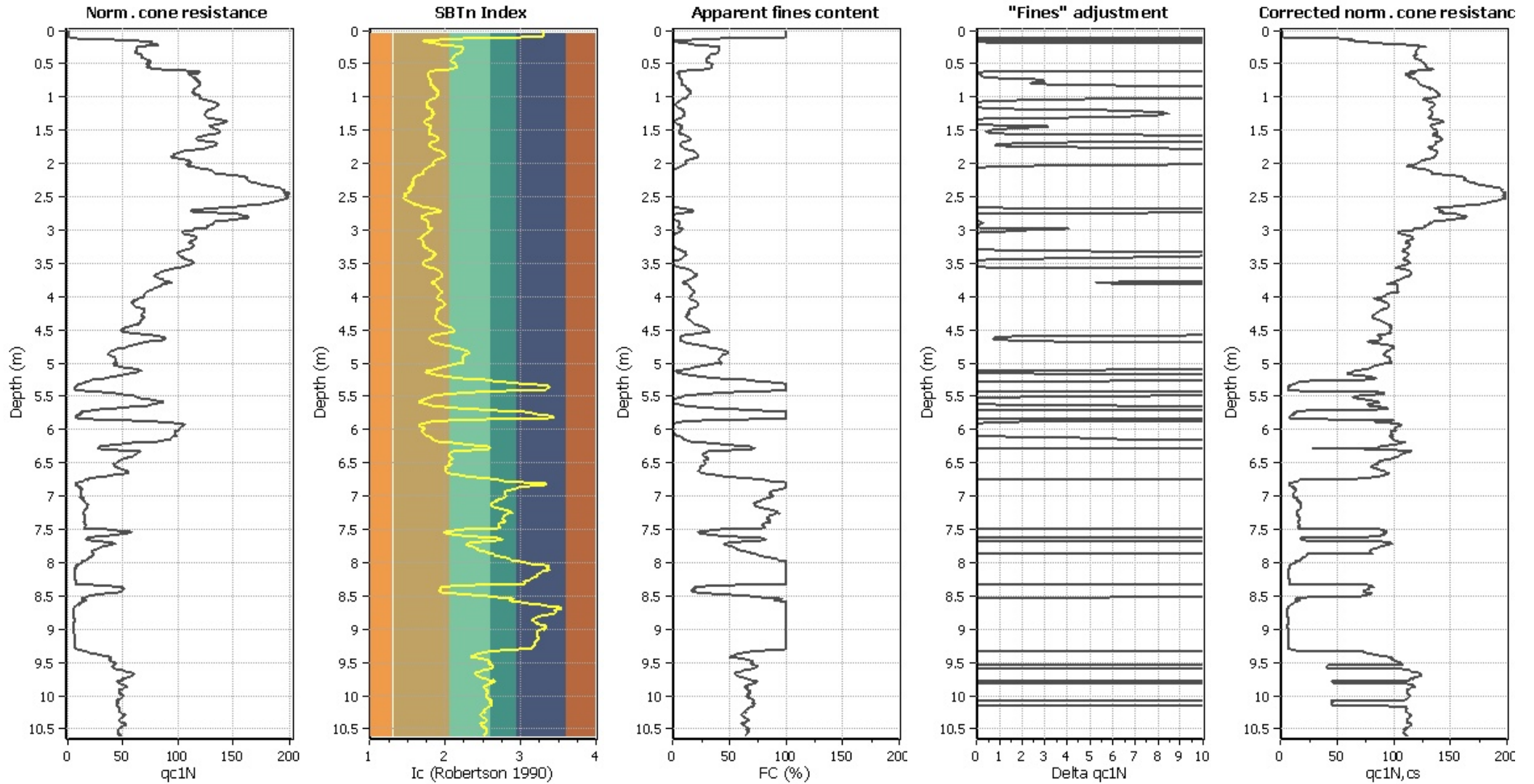
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

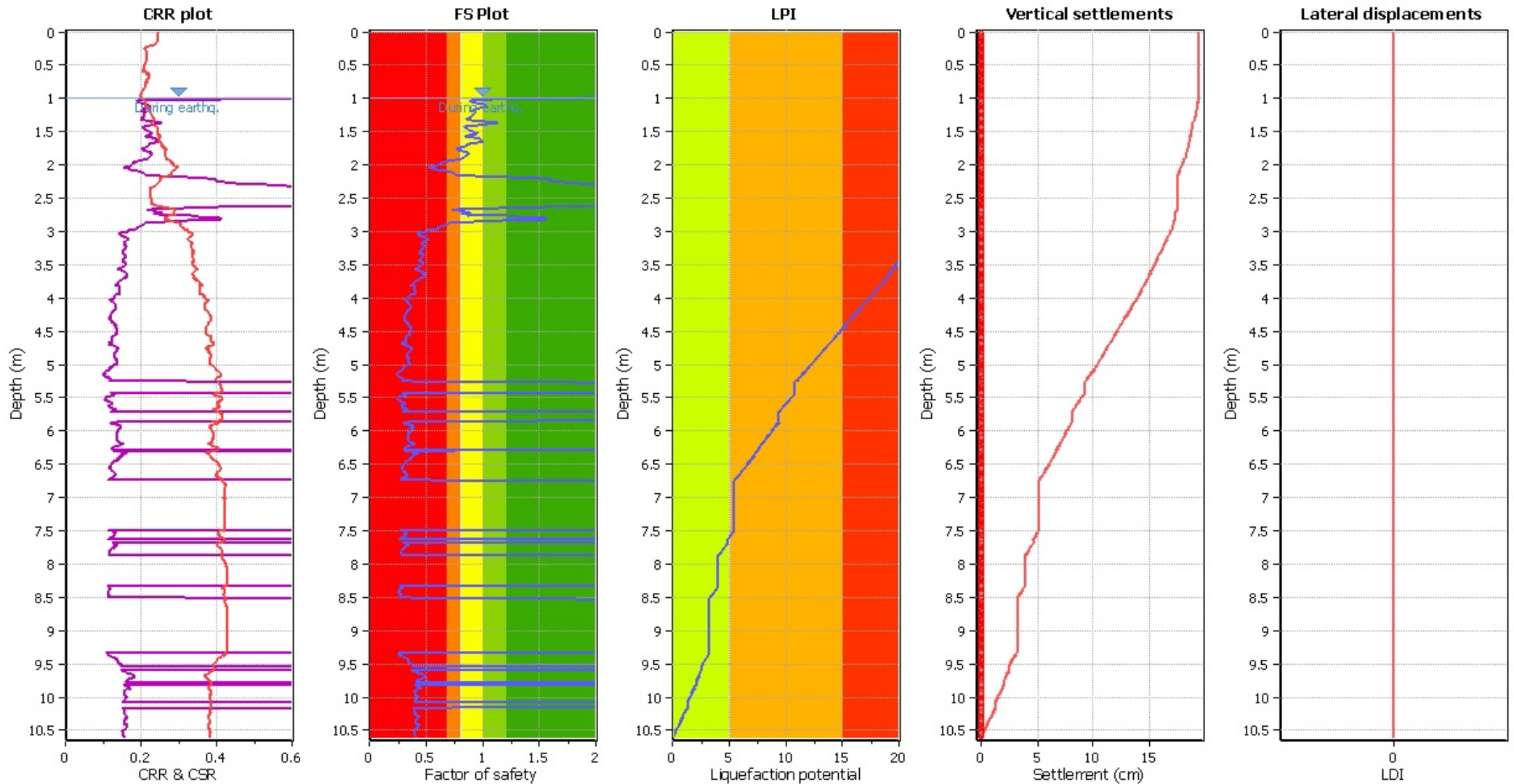
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

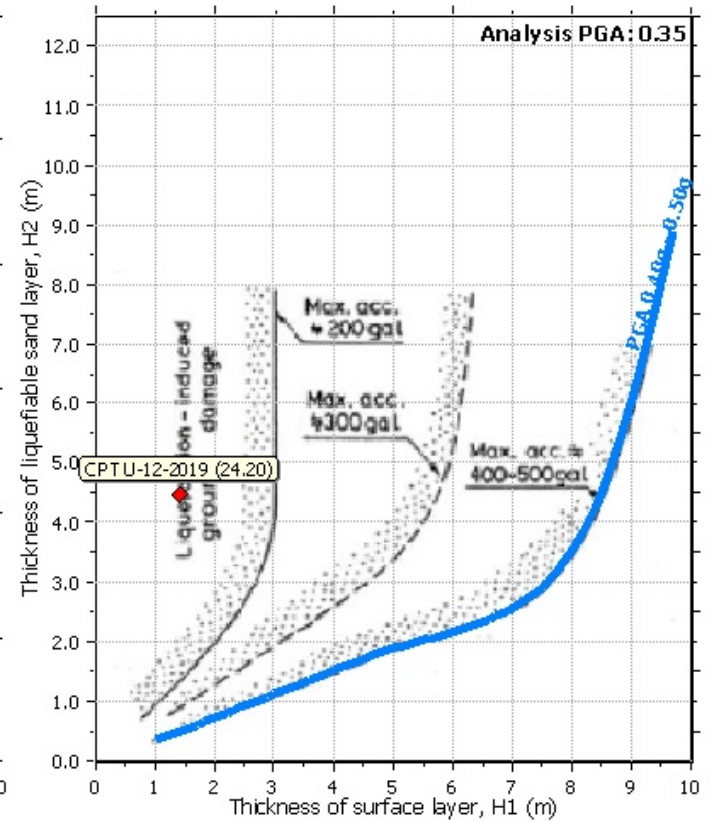
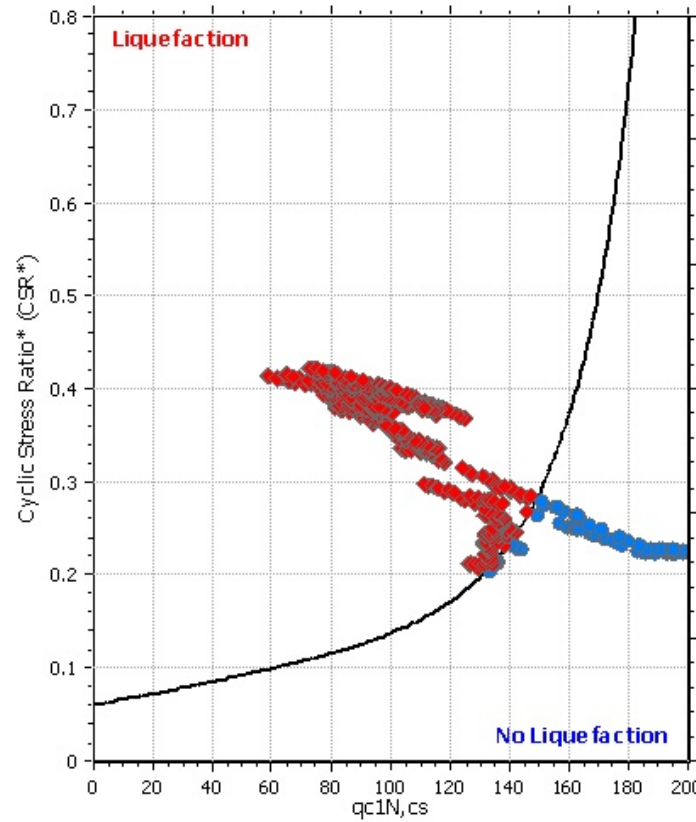
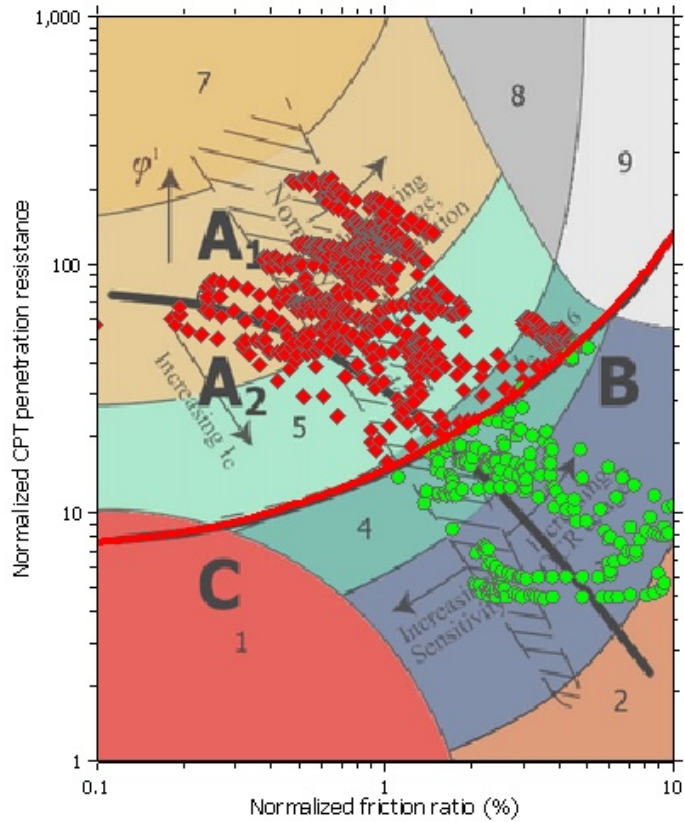
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

### Liquefaction analysis summary plo

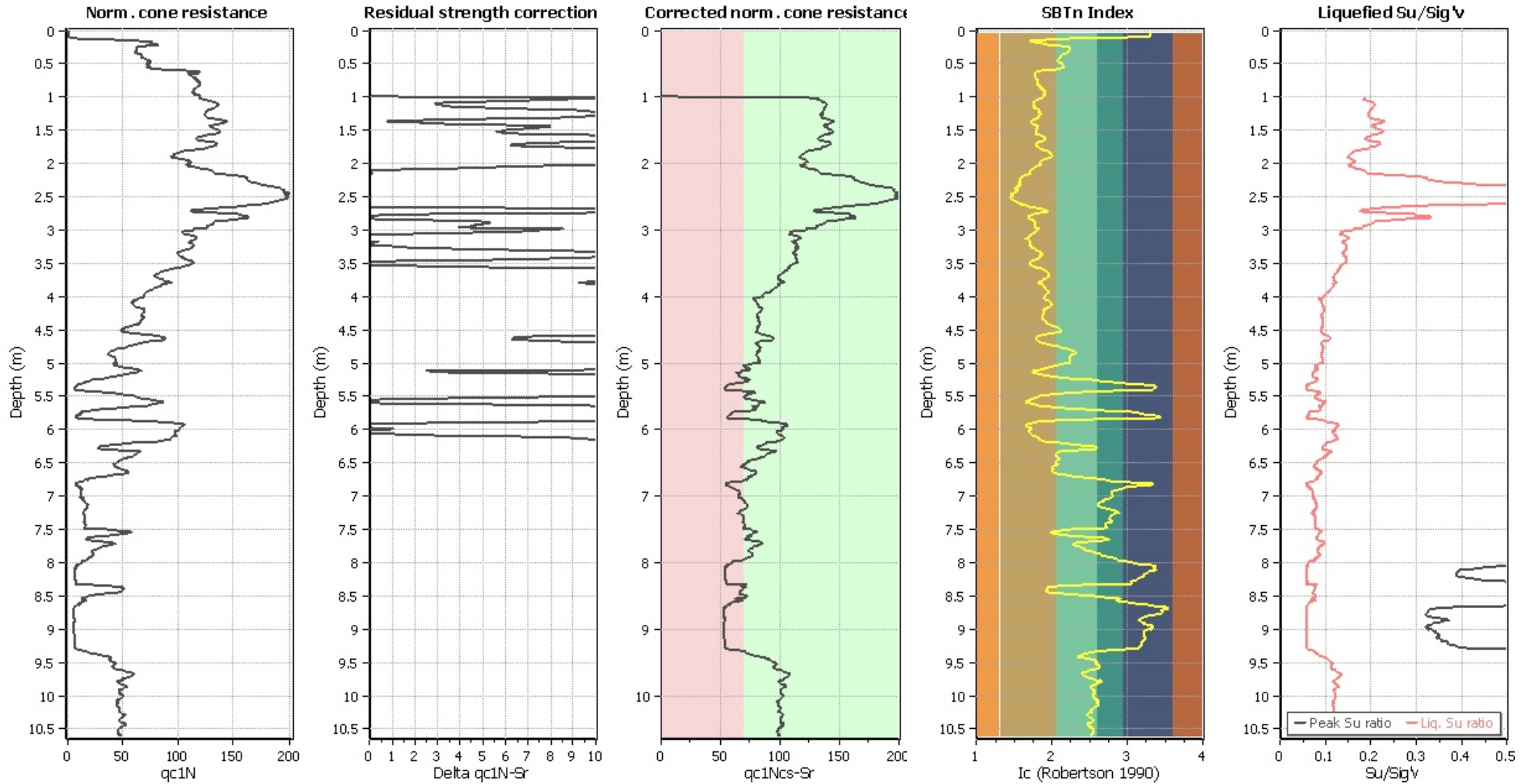


#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>0</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	1.03	0.00	9.49	0.01	0.00	1.02	0.94	0.06	9.49	0.01	0.01
1.03	0.88	0.12	9.49	0.01	0.01	1.04	0.88	0.12	9.48	0.01	0.01
1.05	0.90	0.10	9.48	0.01	0.01	1.06	0.93	0.07	9.47	0.01	0.01
1.07	0.95	0.05	9.47	0.01	0.00	1.08	0.98	0.02	9.46	0.01	0.00
1.09	1.00	0.00	9.46	0.01	0.00	1.10	1.03	0.00	9.45	0.01	0.00
1.11	1.03	0.00	9.45	0.01	0.00	1.12	1.03	0.00	9.44	0.01	0.00
1.13	1.02	0.00	9.44	0.01	0.00	1.14	0.98	0.02	9.43	0.01	0.00
1.15	0.96	0.04	9.43	0.01	0.00	1.16	0.93	0.07	9.42	0.01	0.01
1.17	0.92	0.08	9.41	0.01	0.01	1.18	0.90	0.10	9.41	0.01	0.01
1.19	0.91	0.09	9.41	0.01	0.01	1.20	0.92	0.08	9.40	0.01	0.01
1.21	0.92	0.08	9.40	0.01	0.01	1.22	0.93	0.07	9.39	0.01	0.01
1.23	0.93	0.07	9.39	0.01	0.01	1.24	0.93	0.07	9.38	0.01	0.01
1.25	0.92	0.08	9.38	0.01	0.01	1.26	0.91	0.09	9.37	0.01	0.01
1.27	0.90	0.10	9.37	0.01	0.01	1.28	0.89	0.11	9.36	0.01	0.01
1.29	0.88	0.12	9.36	0.01	0.01	1.30	0.86	0.14	9.35	0.01	0.01
1.31	0.86	0.14	9.35	0.01	0.01	1.32	0.87	0.13	9.34	0.01	0.01
1.33	0.87	0.13	9.34	0.01	0.01	1.34	0.94	0.06	9.33	0.01	0.01
1.35	0.99	0.01	9.32	0.01	0.00	1.36	1.10	0.00	9.32	0.01	0.00
1.37	1.12	0.00	9.32	0.01	0.00	1.38	1.09	0.00	9.31	0.01	0.00
1.39	1.04	0.00	9.31	0.01	0.00	1.40	0.93	0.07	9.30	0.01	0.01
1.41	0.88	0.12	9.30	0.01	0.01	1.42	0.84	0.16	9.29	0.01	0.02
1.43	0.84	0.16	9.29	0.01	0.02	1.44	0.83	0.17	9.28	0.01	0.02
1.45	0.85	0.15	9.28	0.01	0.01	1.46	0.86	0.14	9.27	0.01	0.01
1.47	0.88	0.12	9.27	0.01	0.01	1.48	0.87	0.13	9.26	0.01	0.01
1.49	0.90	0.10	9.26	0.01	0.01	1.50	0.91	0.09	9.25	0.01	0.01
1.51	0.94	0.06	9.24	0.01	0.01	1.52	0.94	0.06	9.24	0.01	0.01
1.53	0.93	0.07	9.24	0.01	0.01	1.54	0.89	0.11	9.23	0.01	0.01
1.55	0.87	0.13	9.23	0.01	0.01	1.56	0.87	0.13	9.22	0.01	0.01
1.57	0.84	0.16	9.22	0.01	0.01	1.58	0.85	0.15	9.21	0.01	0.01
1.59	0.91	0.09	9.21	0.01	0.01	1.60	0.93	0.07	9.20	0.01	0.01
1.61	0.98	0.02	9.20	0.01	0.00	1.62	0.99	0.01	9.19	0.01	0.00
1.63	0.99	0.01	9.19	0.01	0.00	1.64	1.00	0.00	9.18	0.01	0.00
1.65	0.96	0.04	9.18	0.01	0.00	1.66	0.94	0.06	9.17	0.01	0.01
1.67	0.93	0.07	9.16	0.01	0.01	1.68	0.88	0.12	9.16	0.01	0.01
1.69	0.88	0.12	9.16	0.01	0.01	1.70	0.86	0.14	9.15	0.01	0.01
1.71	0.86	0.14	9.15	0.01	0.01	1.72	0.85	0.15	9.14	0.01	0.01
1.73	0.83	0.17	9.14	0.01	0.02	1.74	0.81	0.19	9.13	0.01	0.02
1.75	0.79	0.21	9.13	0.01	0.02	1.76	0.76	0.24	9.12	0.01	0.02
1.77	0.79	0.21	9.12	0.01	0.02	1.78	0.78	0.22	9.11	0.01	0.02
1.79	0.83	0.17	9.11	0.01	0.02	1.80	0.83	0.17	9.10	0.01	0.02
1.81	0.86	0.14	9.10	0.01	0.01	1.82	0.86	0.14	9.09	0.01	0.01
1.83	0.88	0.12	9.09	0.01	0.01	1.84	0.87	0.13	9.08	0.01	0.01
1.85	0.87	0.13	9.07	0.01	0.01	1.86	0.85	0.15	9.07	0.01	0.01
1.87	0.85	0.15	9.07	0.01	0.01	1.88	0.83	0.17	9.06	0.01	0.01
1.89	0.82	0.18	9.06	0.01	0.02	1.90	0.81	0.19	9.05	0.01	0.02
1.91	0.78	0.22	9.05	0.01	0.02	1.92	0.77	0.23	9.04	0.01	0.02

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	0.75	0.25	9.04	0.01	0.02	1.94	0.70	0.30	9.03	0.01	0.03
1.95	0.69	0.31	9.03	0.01	0.03	1.96	0.65	0.35	9.02	0.01	0.03
1.97	0.64	0.36	9.02	0.01	0.03	1.98	0.62	0.38	9.01	0.01	0.03
1.99	0.61	0.39	9.01	0.01	0.04	2.00	0.61	0.39	9.00	0.01	0.04
2.01	0.58	0.42	8.99	0.01	0.04	2.02	0.53	0.47	8.99	0.01	0.04
2.03	0.52	0.48	8.99	0.01	0.04	2.04	0.54	0.46	8.98	0.01	0.04
2.05	0.55	0.45	8.98	0.01	0.04	2.06	0.56	0.44	8.97	0.01	0.04
2.07	0.58	0.42	8.97	0.01	0.04	2.08	0.60	0.40	8.96	0.01	0.04
2.09	0.66	0.34	8.96	0.01	0.03	2.10	0.69	0.31	8.95	0.01	0.03
2.11	0.72	0.28	8.95	0.01	0.03	2.12	0.74	0.26	8.94	0.01	0.02
2.13	0.74	0.26	8.94	0.01	0.02	2.14	0.75	0.25	8.93	0.01	0.02
2.15	0.77	0.23	8.93	0.01	0.02	2.16	0.82	0.18	8.92	0.01	0.02
2.17	0.98	0.02	8.91	0.01	0.00	2.18	1.10	0.00	8.91	0.01	0.00
2.19	1.36	0.00	8.91	0.01	0.00	2.20	1.47	0.00	8.90	0.01	0.00
2.21	1.54	0.00	8.90	0.01	0.00	2.22	1.60	0.00	8.89	0.01	0.00
2.23	1.59	0.00	8.89	0.01	0.00	2.24	1.59	0.00	8.88	0.01	0.00
2.25	1.65	0.00	8.88	0.01	0.00	2.26	1.70	0.00	8.87	0.01	0.00
2.27	1.88	0.00	8.87	0.01	0.00	2.28	1.99	0.00	8.86	0.01	0.00
2.29	2.00	0.00	8.86	0.01	0.00	2.30	2.00	0.00	8.85	0.01	0.00
2.31	2.00	0.00	8.85	0.01	0.00	2.32	2.00	0.00	8.84	0.01	0.00
2.33	2.00	0.00	8.84	0.01	0.00	2.34	2.00	0.00	8.83	0.01	0.00
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	2.00	0.00	8.82	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.81	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.80	0.01	0.00	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	1.83	0.00	8.69	0.01	0.00	2.64	1.55	0.00	8.68	0.01	0.00
2.65	1.09	0.00	8.68	0.01	0.00	2.66	0.93	0.07	8.67	0.01	0.01
2.67	0.74	0.26	8.66	0.01	0.02	2.68	0.76	0.24	8.66	0.01	0.02
2.69	0.82	0.18	8.66	0.01	0.02	2.70	0.82	0.18	8.65	0.01	0.02
2.71	0.87	0.13	8.65	0.01	0.01	2.72	0.88	0.12	8.64	0.01	0.01
2.73	0.89	0.11	8.64	0.01	0.01	2.74	0.81	0.19	8.63	0.01	0.02
2.75	0.87	0.13	8.63	0.01	0.01	2.76	0.87	0.13	8.62	0.01	0.01
2.77	1.21	0.00	8.62	0.01	0.00	2.78	1.32	0.00	8.61	0.01	0.00
2.79	1.52	0.00	8.61	0.01	0.00	2.80	1.57	0.00	8.60	0.01	0.00
2.81	1.56	0.00	8.60	0.01	0.00	2.82	1.55	0.00	8.59	0.01	0.00
2.83	1.24	0.00	8.59	0.01	0.00	2.84	1.07	0.00	8.58	0.01	0.00
2.85	0.95	0.05	8.57	0.01	0.00	2.86	0.81	0.19	8.57	0.01	0.02
2.87	0.77	0.23	8.57	0.01	0.02	2.88	0.70	0.30	8.56	0.01	0.03

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.69	0.31	8.56	0.01	0.03	2.90	0.68	0.32	8.55	0.01	0.03
2.91	0.66	0.34	8.55	0.01	0.03	2.92	0.66	0.34	8.54	0.01	0.03
2.93	0.62	0.38	8.54	0.01	0.03	2.94	0.60	0.40	8.53	0.01	0.03
2.95	0.61	0.39	8.53	0.01	0.03	2.96	0.61	0.39	8.52	0.01	0.03
2.97	0.58	0.42	8.52	0.01	0.04	2.98	0.52	0.48	8.51	0.01	0.04
2.99	0.52	0.48	8.51	0.01	0.04	3.00	0.51	0.49	8.50	0.01	0.04
3.01	0.51	0.49	8.49	0.01	0.04	3.02	0.43	0.57	8.49	0.01	0.05
3.03	0.42	0.58	8.49	0.01	0.05	3.04	0.43	0.57	8.48	0.01	0.05
3.05	0.43	0.57	8.48	0.01	0.05	3.06	0.44	0.56	8.47	0.01	0.05
3.07	0.46	0.54	8.47	0.01	0.05	3.08	0.47	0.53	8.46	0.01	0.04
3.09	0.49	0.51	8.46	0.01	0.04	3.10	0.51	0.49	8.45	0.01	0.04
3.11	0.51	0.49	8.45	0.01	0.04	3.12	0.51	0.49	8.44	0.01	0.04
3.13	0.51	0.49	8.44	0.01	0.04	3.14	0.50	0.50	8.43	0.01	0.04
3.15	0.48	0.52	8.43	0.01	0.04	3.16	0.47	0.53	8.42	0.01	0.04
3.17	0.46	0.54	8.41	0.01	0.05	3.18	0.46	0.54	8.41	0.01	0.05
3.19	0.46	0.54	8.41	0.01	0.05	3.20	0.48	0.52	8.40	0.01	0.04
3.21	0.48	0.52	8.40	0.01	0.04	3.22	0.48	0.52	8.39	0.01	0.04
3.23	0.48	0.52	8.39	0.01	0.04	3.24	0.48	0.52	8.38	0.01	0.04
3.25	0.48	0.52	8.38	0.01	0.04	3.26	0.47	0.53	8.37	0.01	0.04
3.27	0.46	0.54	8.37	0.01	0.04	3.28	0.46	0.54	8.36	0.01	0.05
3.29	0.44	0.56	8.36	0.01	0.05	3.30	0.44	0.56	8.35	0.01	0.05
3.31	0.44	0.56	8.35	0.01	0.05	3.32	0.44	0.56	8.34	0.01	0.05
3.33	0.46	0.54	8.34	0.01	0.05	3.34	0.46	0.54	8.33	0.01	0.04
3.35	0.47	0.53	8.32	0.01	0.04	3.36	0.47	0.53	8.32	0.01	0.04
3.37	0.47	0.53	8.32	0.01	0.04	3.38	0.47	0.53	8.31	0.01	0.04
3.39	0.46	0.54	8.31	0.01	0.04	3.40	0.46	0.54	8.30	0.01	0.04
3.41	0.45	0.55	8.30	0.01	0.05	3.42	0.45	0.55	8.29	0.01	0.05
3.43	0.44	0.56	8.29	0.01	0.05	3.44	0.44	0.56	8.28	0.01	0.05
3.45	0.44	0.56	8.28	0.01	0.05	3.46	0.45	0.55	8.27	0.01	0.05
3.47	0.47	0.53	8.27	0.01	0.04	3.48	0.47	0.53	8.26	0.01	0.04
3.49	0.48	0.52	8.26	0.01	0.04	3.50	0.47	0.53	8.25	0.01	0.04
3.51	0.46	0.54	8.24	0.01	0.04	3.52	0.45	0.55	8.24	0.01	0.05
3.53	0.44	0.56	8.24	0.01	0.05	3.54	0.42	0.58	8.23	0.01	0.05
3.55	0.41	0.59	8.23	0.01	0.05	3.56	0.41	0.59	8.22	0.01	0.05
3.57	0.40	0.60	8.22	0.01	0.05	3.58	0.42	0.58	8.21	0.01	0.05
3.59	0.43	0.57	8.21	0.01	0.05	3.60	0.45	0.55	8.20	0.01	0.05
3.61	0.46	0.54	8.20	0.01	0.04	3.62	0.47	0.53	8.19	0.01	0.04
3.63	0.48	0.52	8.19	0.01	0.04	3.64	0.49	0.51	8.18	0.01	0.04
3.65	0.48	0.52	8.18	0.01	0.04	3.66	0.48	0.52	8.17	0.01	0.04
3.67	0.47	0.53	8.16	0.01	0.04	3.68	0.47	0.53	8.16	0.01	0.04
3.69	0.46	0.54	8.16	0.01	0.04	3.70	0.46	0.54	8.15	0.01	0.04
3.71	0.45	0.55	8.15	0.01	0.05	3.72	0.44	0.56	8.14	0.01	0.05
3.73	0.43	0.57	8.14	0.01	0.05	3.74	0.42	0.58	8.13	0.01	0.05
3.75	0.41	0.59	8.13	0.01	0.05	3.76	0.39	0.61	8.12	0.01	0.05
3.77	0.39	0.61	8.12	0.01	0.05	3.78	0.38	0.62	8.11	0.01	0.05
3.79	0.39	0.61	8.11	0.01	0.05	3.80	0.36	0.64	8.10	0.01	0.05
3.81	0.39	0.61	8.10	0.01	0.05	3.82	0.39	0.61	8.09	0.01	0.05
3.83	0.40	0.60	8.09	0.01	0.05	3.84	0.40	0.60	8.08	0.01	0.05

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.40	0.60	8.07	0.01	0.05	3.86	0.40	0.60	8.07	0.01	0.05
3.87	0.40	0.60	8.07	0.01	0.05	3.88	0.40	0.60	8.06	0.01	0.05
3.89	0.40	0.60	8.06	0.01	0.05	3.90	0.40	0.60	8.05	0.01	0.05
3.91	0.41	0.59	8.05	0.01	0.05	3.92	0.40	0.60	8.04	0.01	0.05
3.93	0.40	0.60	8.04	0.01	0.05	3.94	0.39	0.61	8.03	0.01	0.05
3.95	0.37	0.63	8.03	0.01	0.05	3.96	0.36	0.64	8.02	0.01	0.05
3.97	0.36	0.64	8.02	0.01	0.05	3.98	0.35	0.65	8.01	0.01	0.05
3.99	0.35	0.65	8.01	0.01	0.05	4.00	0.35	0.65	8.00	0.01	0.05
4.01	0.34	0.66	8.00	0.01	0.05	4.02	0.32	0.68	7.99	0.01	0.05
4.03	0.31	0.69	7.99	0.01	0.06	4.04	0.32	0.68	7.98	0.01	0.05
4.05	0.32	0.68	7.98	0.01	0.05	4.06	0.33	0.67	7.97	0.01	0.05
4.07	0.34	0.66	7.97	0.01	0.05	4.08	0.34	0.66	7.96	0.01	0.05
4.09	0.35	0.65	7.96	0.01	0.05	4.10	0.35	0.65	7.95	0.01	0.05
4.11	0.35	0.65	7.95	0.01	0.05	4.12	0.36	0.64	7.94	0.01	0.05
4.13	0.36	0.64	7.94	0.01	0.05	4.14	0.36	0.64	7.93	0.01	0.05
4.15	0.35	0.65	7.93	0.01	0.05	4.16	0.35	0.65	7.92	0.01	0.05
4.17	0.35	0.65	7.92	0.01	0.05	4.18	0.34	0.66	7.91	0.01	0.05
4.19	0.34	0.66	7.91	0.01	0.05	4.20	0.33	0.67	7.90	0.01	0.05
4.21	0.33	0.67	7.90	0.01	0.05	4.22	0.33	0.67	7.89	0.01	0.05
4.23	0.32	0.68	7.89	0.01	0.05	4.24	0.32	0.68	7.88	0.01	0.05
4.25	0.31	0.69	7.88	0.01	0.05	4.26	0.31	0.69	7.87	0.01	0.05
4.27	0.31	0.69	7.87	0.01	0.05	4.28	0.31	0.69	7.86	0.01	0.05
4.29	0.30	0.70	7.86	0.01	0.05	4.30	0.30	0.70	7.85	0.01	0.05
4.31	0.30	0.70	7.85	0.01	0.05	4.32	0.30	0.70	7.84	0.01	0.05
4.33	0.31	0.69	7.84	0.01	0.05	4.34	0.31	0.69	7.83	0.01	0.05
4.35	0.32	0.68	7.83	0.01	0.05	4.36	0.32	0.68	7.82	0.01	0.05
4.37	0.33	0.67	7.82	0.01	0.05	4.38	0.33	0.67	7.81	0.01	0.05
4.39	0.34	0.66	7.81	0.01	0.05	4.40	0.34	0.66	7.80	0.01	0.05
4.41	0.35	0.65	7.80	0.01	0.05	4.42	0.35	0.65	7.79	0.01	0.05
4.43	0.36	0.64	7.79	0.01	0.05	4.44	0.35	0.65	7.78	0.01	0.05
4.45	0.36	0.64	7.78	0.01	0.05	4.46	0.36	0.64	7.77	0.01	0.05
4.47	0.36	0.64	7.77	0.01	0.05	4.48	0.36	0.64	7.76	0.01	0.05
4.49	0.36	0.64	7.76	0.01	0.05	4.50	0.36	0.64	7.75	0.01	0.05
4.51	0.36	0.64	7.75	0.01	0.05	4.52	0.36	0.64	7.74	0.01	0.05
4.53	0.36	0.64	7.74	0.01	0.05	4.54	0.35	0.65	7.73	0.01	0.05
4.55	0.36	0.64	7.73	0.01	0.05	4.56	0.35	0.65	7.72	0.01	0.05
4.57	0.34	0.66	7.72	0.01	0.05	4.58	0.32	0.68	7.71	0.01	0.05
4.59	0.32	0.68	7.71	0.01	0.05	4.60	0.32	0.68	7.70	0.01	0.05
4.61	0.32	0.68	7.70	0.01	0.05	4.62	0.32	0.68	7.69	0.01	0.05
4.63	0.32	0.68	7.69	0.01	0.05	4.64	0.32	0.68	7.68	0.01	0.05
4.65	0.32	0.68	7.68	0.01	0.05	4.66	0.30	0.70	7.67	0.01	0.05
4.67	0.29	0.71	7.67	0.01	0.05	4.68	0.29	0.71	7.66	0.01	0.05
4.69	0.29	0.71	7.66	0.01	0.05	4.70	0.30	0.70	7.65	0.01	0.05
4.71	0.32	0.68	7.65	0.01	0.05	4.72	0.33	0.67	7.64	0.01	0.05
4.73	0.35	0.65	7.64	0.01	0.05	4.74	0.36	0.64	7.63	0.01	0.05
4.75	0.37	0.63	7.63	0.01	0.05	4.76	0.37	0.63	7.62	0.01	0.05
4.77	0.37	0.63	7.62	0.01	0.05	4.78	0.36	0.64	7.61	0.01	0.05
4.79	0.36	0.64	7.61	0.01	0.05	4.80	0.35	0.65	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.35	0.65	7.60	0.01	0.05	4.82	0.34	0.66	7.59	0.01	0.05
4.83	0.34	0.66	7.59	0.01	0.05	4.84	0.34	0.66	7.58	0.01	0.05
4.85	0.33	0.67	7.58	0.01	0.05	4.86	0.33	0.67	7.57	0.01	0.05
4.87	0.33	0.67	7.57	0.01	0.05	4.88	0.33	0.67	7.56	0.01	0.05
4.89	0.33	0.67	7.56	0.01	0.05	4.90	0.34	0.66	7.55	0.01	0.05
4.91	0.34	0.66	7.55	0.01	0.05	4.92	0.35	0.65	7.54	0.01	0.05
4.93	0.35	0.65	7.54	0.01	0.05	4.94	0.35	0.65	7.53	0.01	0.05
4.95	0.35	0.65	7.53	0.01	0.05	4.96	0.35	0.65	7.52	0.01	0.05
4.97	0.35	0.65	7.52	0.01	0.05	4.98	0.35	0.65	7.51	0.01	0.05
4.99	0.35	0.65	7.51	0.01	0.05	5.00	0.35	0.65	7.50	0.01	0.05
5.01	0.35	0.65	7.50	0.01	0.05	5.02	0.33	0.67	7.49	0.01	0.05
5.03	0.31	0.69	7.49	0.01	0.05	5.04	0.30	0.70	7.48	0.01	0.05
5.05	0.30	0.70	7.48	0.01	0.05	5.06	0.29	0.71	7.47	0.01	0.05
5.07	0.29	0.71	7.47	0.01	0.05	5.08	0.29	0.71	7.46	0.01	0.05
5.09	0.28	0.72	7.46	0.01	0.05	5.10	0.27	0.73	7.45	0.01	0.05
5.11	0.26	0.74	7.45	0.01	0.06	5.12	0.26	0.74	7.44	0.01	0.06
5.13	0.25	0.75	7.44	0.01	0.06	5.14	0.25	0.75	7.43	0.01	0.06
5.15	0.24	0.76	7.43	0.01	0.06	5.16	0.24	0.76	7.42	0.01	0.06
5.17	0.24	0.76	7.42	0.01	0.06	5.18	0.25	0.75	7.41	0.01	0.06
5.19	0.27	0.73	7.41	0.01	0.05	5.20	0.28	0.72	7.40	0.01	0.05
5.21	0.29	0.71	7.40	0.01	0.05	5.22	0.30	0.70	7.39	0.01	0.05
5.23	0.30	0.70	7.39	0.01	0.05	5.24	0.29	0.71	7.38	0.01	0.05
5.25	0.29	0.71	7.38	0.01	0.05	5.26	0.28	0.72	7.37	0.01	0.05
5.27	2.00	0.00	7.37	0.01	0.00	5.28	2.00	0.00	7.36	0.01	0.00
5.29	2.00	0.00	7.36	0.01	0.00	5.30	2.00	0.00	7.35	0.01	0.00
5.31	2.00	0.00	7.35	0.01	0.00	5.32	2.00	0.00	7.34	0.01	0.00
5.33	2.00	0.00	7.34	0.01	0.00	5.34	2.00	0.00	7.33	0.01	0.00
5.35	2.00	0.00	7.33	0.01	0.00	5.36	2.00	0.00	7.32	0.01	0.00
5.37	2.00	0.00	7.32	0.01	0.00	5.38	2.00	0.00	7.31	0.01	0.00
5.39	2.00	0.00	7.31	0.01	0.00	5.40	2.00	0.00	7.30	0.01	0.00
5.41	2.00	0.00	7.30	0.01	0.00	5.42	2.00	0.00	7.29	0.01	0.00
5.43	0.30	0.70	7.29	0.01	0.05	5.44	0.32	0.68	7.28	0.01	0.05
5.45	0.32	0.68	7.28	0.01	0.05	5.46	0.32	0.68	7.27	0.01	0.05
5.47	0.30	0.70	7.27	0.01	0.05	5.48	0.29	0.71	7.26	0.01	0.05
5.49	0.27	0.73	7.26	0.01	0.05	5.50	0.26	0.74	7.25	0.01	0.05
5.51	0.25	0.75	7.25	0.01	0.05	5.52	0.25	0.75	7.24	0.01	0.05
5.53	0.25	0.75	7.24	0.01	0.05	5.54	0.27	0.73	7.23	0.01	0.05
5.55	0.28	0.72	7.23	0.01	0.05	5.56	0.28	0.72	7.22	0.01	0.05
5.57	0.29	0.71	7.22	0.01	0.05	5.58	0.31	0.69	7.21	0.01	0.05
5.59	0.31	0.69	7.21	0.01	0.05	5.60	0.31	0.69	7.20	0.01	0.05
5.61	0.30	0.70	7.20	0.01	0.05	5.62	0.29	0.71	7.19	0.01	0.05
5.63	0.28	0.72	7.19	0.01	0.05	5.64	0.28	0.72	7.18	0.01	0.05
5.65	0.29	0.71	7.18	0.01	0.05	5.66	0.32	0.68	7.17	0.01	0.05
5.67	0.33	0.67	7.17	0.01	0.05	5.68	0.34	0.66	7.16	0.01	0.05
5.69	0.30	0.70	7.16	0.01	0.05	5.70	0.30	0.70	7.15	0.01	0.05
5.71	2.00	0.00	7.15	0.01	0.00	5.72	2.00	0.00	7.14	0.01	0.00
5.73	2.00	0.00	7.14	0.01	0.00	5.74	2.00	0.00	7.13	0.01	0.00
5.75	2.00	0.00	7.13	0.01	0.00	5.76	2.00	0.00	7.12	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	2.00	0.00	7.12	0.01	0.00	5.78	2.00	0.00	7.11	0.01	0.00
5.79	2.00	0.00	7.11	0.01	0.00	5.80	2.00	0.00	7.10	0.01	0.00
5.81	2.00	0.00	7.10	0.01	0.00	5.82	2.00	0.00	7.09	0.01	0.00
5.83	2.00	0.00	7.09	0.01	0.00	5.84	2.00	0.00	7.08	0.01	0.00
5.85	2.00	0.00	7.08	0.01	0.00	5.86	0.34	0.66	7.07	0.01	0.05
5.87	0.36	0.64	7.07	0.01	0.05	5.88	0.33	0.67	7.06	0.01	0.05
5.89	0.29	0.71	7.06	0.01	0.05	5.90	0.35	0.65	7.05	0.01	0.05
5.91	0.37	0.63	7.05	0.01	0.04	5.92	0.38	0.62	7.04	0.01	0.04
5.93	0.38	0.62	7.04	0.01	0.04	5.94	0.38	0.62	7.03	0.01	0.04
5.95	0.38	0.62	7.03	0.01	0.04	5.96	0.37	0.63	7.02	0.01	0.04
5.97	0.37	0.63	7.02	0.01	0.04	5.98	0.36	0.64	7.01	0.01	0.04
5.99	0.36	0.64	7.01	0.01	0.04	6.00	0.36	0.64	7.00	0.01	0.04
6.01	0.36	0.64	7.00	0.01	0.04	6.02	0.34	0.66	6.99	0.01	0.05
6.03	0.34	0.66	6.99	0.01	0.05	6.04	0.34	0.66	6.98	0.01	0.05
6.05	0.34	0.66	6.98	0.01	0.05	6.06	0.34	0.66	6.97	0.01	0.05
6.07	0.34	0.66	6.97	0.01	0.05	6.08	0.35	0.65	6.96	0.01	0.05
6.09	0.35	0.65	6.96	0.01	0.05	6.10	0.35	0.65	6.95	0.01	0.05
6.11	0.34	0.66	6.95	0.01	0.05	6.12	0.35	0.65	6.94	0.01	0.05
6.13	0.35	0.65	6.94	0.01	0.05	6.14	0.35	0.65	6.93	0.01	0.05
6.15	0.35	0.65	6.93	0.01	0.05	6.16	0.36	0.64	6.92	0.01	0.04
6.17	0.37	0.63	6.92	0.01	0.04	6.18	0.38	0.62	6.91	0.01	0.04
6.19	0.40	0.60	6.91	0.01	0.04	6.20	0.38	0.62	6.90	0.01	0.04
6.21	0.38	0.62	6.90	0.01	0.04	6.22	0.37	0.63	6.89	0.01	0.04
6.23	0.35	0.65	6.89	0.01	0.04	6.24	0.34	0.66	6.88	0.01	0.05
6.25	0.31	0.69	6.88	0.01	0.05	6.26	0.30	0.70	6.87	0.01	0.05
6.27	0.30	0.70	6.87	0.01	0.05	6.28	2.00	0.00	6.86	0.01	0.00
6.29	0.31	0.69	6.86	0.01	0.05	6.30	0.33	0.67	6.85	0.01	0.05
6.31	0.41	0.59	6.85	0.01	0.04	6.32	0.43	0.57	6.84	0.01	0.04
6.33	0.44	0.56	6.84	0.01	0.04	6.34	0.43	0.57	6.83	0.01	0.04
6.35	0.41	0.59	6.83	0.01	0.04	6.36	0.40	0.60	6.82	0.01	0.04
6.37	0.39	0.61	6.82	0.01	0.04	6.38	0.38	0.62	6.81	0.01	0.04
6.39	0.37	0.63	6.81	0.01	0.04	6.40	0.37	0.63	6.80	0.01	0.04
6.41	0.36	0.64	6.80	0.01	0.04	6.42	0.35	0.65	6.79	0.01	0.04
6.43	0.35	0.65	6.79	0.01	0.04	6.44	0.34	0.66	6.78	0.01	0.04
6.45	0.34	0.66	6.78	0.01	0.04	6.46	0.32	0.68	6.77	0.01	0.05
6.47	0.31	0.69	6.77	0.01	0.05	6.48	0.31	0.69	6.76	0.01	0.05
6.49	0.30	0.70	6.76	0.01	0.05	6.50	0.30	0.70	6.75	0.01	0.05
6.51	0.30	0.70	6.75	0.01	0.05	6.52	0.29	0.71	6.74	0.01	0.05
6.53	0.29	0.71	6.74	0.01	0.05	6.54	0.29	0.71	6.73	0.01	0.05
6.55	0.28	0.72	6.73	0.01	0.05	6.56	0.28	0.72	6.72	0.01	0.05
6.57	0.28	0.72	6.72	0.01	0.05	6.58	0.29	0.71	6.71	0.01	0.05
6.59	0.30	0.70	6.71	0.01	0.05	6.60	0.30	0.70	6.70	0.01	0.05
6.61	0.30	0.70	6.70	0.01	0.05	6.62	0.31	0.69	6.69	0.01	0.05
6.63	0.32	0.68	6.69	0.01	0.05	6.64	0.33	0.67	6.68	0.01	0.04
6.65	0.33	0.67	6.68	0.01	0.04	6.66	0.33	0.67	6.67	0.01	0.04
6.67	0.32	0.68	6.67	0.01	0.05	6.68	0.32	0.68	6.66	0.01	0.05
6.69	0.32	0.68	6.66	0.01	0.05	6.70	0.31	0.69	6.65	0.01	0.05
6.71	0.30	0.70	6.65	0.01	0.05	6.72	0.28	0.72	6.64	0.01	0.05



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.28	0.72	6.64	0.01	0.05	6.74	0.27	0.73	6.63	0.01	0.05
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	0.26	0.74	6.25	0.01	0.05
7.51	0.30	0.70	6.25	0.01	0.04	7.52	0.32	0.68	6.24	0.01	0.04
7.53	0.32	0.68	6.24	0.01	0.04	7.54	0.32	0.68	6.23	0.01	0.04
7.55	0.31	0.69	6.23	0.01	0.04	7.56	0.31	0.69	6.22	0.01	0.04
7.57	0.32	0.68	6.22	0.01	0.04	7.58	0.31	0.69	6.21	0.01	0.04
7.59	0.31	0.69	6.21	0.01	0.04	7.60	0.30	0.70	6.20	0.01	0.04
7.61	0.28	0.72	6.20	0.01	0.04	7.62	0.27	0.73	6.19	0.01	0.05
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	0.30	0.70	6.16	0.01	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	0.32	0.68	6.16	0.01	0.04	7.70	0.33	0.67	6.15	0.01	0.04
7.71	0.34	0.66	6.15	0.01	0.04	7.72	0.33	0.67	6.14	0.01	0.04
7.73	0.33	0.67	6.14	0.01	0.04	7.74	0.32	0.68	6.13	0.01	0.04
7.75	0.32	0.68	6.13	0.01	0.04	7.76	0.31	0.69	6.12	0.01	0.04
7.77	0.30	0.70	6.12	0.01	0.04	7.78	0.29	0.71	6.11	0.01	0.04
7.79	0.29	0.71	6.11	0.01	0.04	7.80	0.28	0.72	6.10	0.01	0.04
7.81	0.28	0.72	6.10	0.01	0.04	7.82	0.27	0.73	6.09	0.01	0.04
7.83	0.27	0.73	6.09	0.01	0.04	7.84	0.28	0.72	6.08	0.01	0.04
7.85	0.28	0.72	6.08	0.01	0.04	7.86	0.28	0.72	6.07	0.01	0.04
7.87	0.28	0.72	6.07	0.01	0.04	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	0.27	0.73	5.83	0.01	0.04
8.35	0.28	0.72	5.83	0.01	0.04	8.36	0.28	0.72	5.82	0.01	0.04
8.37	0.28	0.72	5.82	0.01	0.04	8.38	0.27	0.73	5.81	0.01	0.04
8.39	0.27	0.73	5.81	0.01	0.04	8.40	0.27	0.73	5.80	0.01	0.04
8.41	0.27	0.73	5.80	0.01	0.04	8.42	0.26	0.74	5.79	0.01	0.04
8.43	0.26	0.74	5.79	0.01	0.04	8.44	0.26	0.74	5.78	0.01	0.04
8.45	0.27	0.73	5.78	0.01	0.04	8.46	0.27	0.73	5.77	0.01	0.04
8.47	0.28	0.72	5.77	0.01	0.04	8.48	0.27	0.73	5.76	0.01	0.04
8.49	0.27	0.73	5.76	0.01	0.04	8.50	0.27	0.73	5.75	0.01	0.04
8.51	0.27	0.73	5.75	0.01	0.04	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	0.26	0.74	5.33	0.01	0.04
9.35	0.26	0.74	5.33	0.01	0.04	9.36	0.27	0.73	5.32	0.01	0.04
9.37	0.27	0.73	5.32	0.01	0.04	9.38	0.28	0.72	5.31	0.01	0.04
9.39	0.30	0.70	5.31	0.01	0.04	9.40	0.31	0.69	5.30	0.01	0.04
9.41	0.33	0.67	5.30	0.01	0.04	9.42	0.33	0.67	5.29	0.01	0.04
9.43	0.33	0.67	5.29	0.01	0.04	9.44	0.33	0.67	5.28	0.01	0.04
9.45	0.34	0.66	5.28	0.01	0.03	9.46	0.34	0.66	5.27	0.01	0.03
9.47	0.34	0.66	5.27	0.01	0.03	9.48	0.35	0.65	5.26	0.01	0.03
9.49	0.35	0.65	5.26	0.01	0.03	9.50	0.37	0.63	5.25	0.01	0.03
9.51	0.37	0.63	5.25	0.01	0.03	9.52	0.38	0.62	5.24	0.01	0.03
9.53	0.38	0.62	5.24	0.01	0.03	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	0.37	0.63	5.20	0.01	0.03

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	0.39	0.61	5.20	0.01	0.03	9.62	0.42	0.58	5.19	0.01	0.03
9.63	0.43	0.57	5.18	0.01	0.03	9.64	0.44	0.56	5.18	0.01	0.03
9.65	0.45	0.55	5.18	0.01	0.03	9.66	0.47	0.53	5.17	0.01	0.03
9.67	0.48	0.52	5.17	0.01	0.03	9.68	0.48	0.52	5.16	0.01	0.03
9.69	0.49	0.51	5.16	0.01	0.03	9.70	0.49	0.51	5.15	0.01	0.03
9.71	0.47	0.53	5.14	0.01	0.03	9.72	0.46	0.54	5.14	0.01	0.03
9.73	0.44	0.56	5.14	0.01	0.03	9.74	0.43	0.57	5.13	0.01	0.03
9.75	0.42	0.58	5.13	0.01	0.03	9.76	0.42	0.58	5.12	0.01	0.03
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	0.40	0.60	5.09	0.01	0.03
9.83	0.41	0.59	5.09	0.01	0.03	9.84	0.43	0.57	5.08	0.01	0.03
9.85	0.44	0.56	5.08	0.01	0.03	9.86	0.45	0.55	5.07	0.01	0.03
9.87	0.45	0.55	5.07	0.01	0.03	9.88	0.43	0.57	5.06	0.01	0.03
9.89	0.42	0.58	5.06	0.01	0.03	9.90	0.42	0.58	5.05	0.01	0.03
9.91	0.40	0.60	5.05	0.01	0.03	9.92	0.40	0.60	5.04	0.01	0.03
9.93	0.40	0.60	5.04	0.01	0.03	9.94	0.40	0.60	5.03	0.01	0.03
9.95	0.40	0.60	5.03	0.01	0.03	9.96	0.41	0.59	5.02	0.01	0.03
9.97	0.41	0.59	5.02	0.01	0.03	9.98	0.41	0.59	5.01	0.01	0.03
9.99	0.42	0.58	5.01	0.01	0.03	10.00	0.42	0.58	5.00	0.01	0.03
10.01	0.42	0.58	5.00	0.01	0.03	10.02	0.42	0.58	4.99	0.01	0.03
10.03	0.41	0.59	4.99	0.01	0.03	10.04	0.41	0.59	4.98	0.01	0.03
10.05	0.40	0.60	4.97	0.01	0.03	10.06	0.40	0.60	4.97	0.01	0.03
10.07	0.39	0.61	4.97	0.01	0.03	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	0.39	0.61	4.92	0.01	0.03
10.17	0.40	0.60	4.92	0.01	0.03	10.18	0.40	0.60	4.91	0.01	0.03
10.19	0.40	0.60	4.91	0.01	0.03	10.20	0.40	0.60	4.90	0.01	0.03
10.21	0.40	0.60	4.89	0.01	0.03	10.22	0.40	0.60	4.89	0.01	0.03
10.23	0.40	0.60	4.89	0.01	0.03	10.24	0.40	0.60	4.88	0.01	0.03
10.25	0.40	0.60	4.88	0.01	0.03	10.26	0.41	0.59	4.87	0.01	0.03
10.27	0.41	0.59	4.87	0.01	0.03	10.28	0.42	0.58	4.86	0.01	0.03
10.29	0.43	0.57	4.86	0.01	0.03	10.30	0.43	0.57	4.85	0.01	0.03
10.31	0.42	0.58	4.85	0.01	0.03	10.32	0.42	0.58	4.84	0.01	0.03
10.33	0.41	0.59	4.84	0.01	0.03	10.34	0.41	0.59	4.83	0.01	0.03
10.35	0.40	0.60	4.83	0.01	0.03	10.36	0.40	0.60	4.82	0.01	0.03
10.37	0.41	0.59	4.82	0.01	0.03	10.38	0.41	0.59	4.81	0.01	0.03
10.39	0.41	0.59	4.81	0.01	0.03	10.40	0.41	0.59	4.80	0.01	0.03
10.41	0.43	0.57	4.80	0.01	0.03	10.42	0.43	0.57	4.79	0.01	0.03
10.43	0.43	0.57	4.79	0.01	0.03	10.44	0.43	0.57	4.78	0.01	0.03
10.45	0.42	0.58	4.78	0.01	0.03	10.46	0.42	0.58	4.77	0.01	0.03
10.47	0.41	0.59	4.77	0.01	0.03	10.48	0.41	0.59	4.76	0.01	0.03
10.49	0.41	0.59	4.76	0.01	0.03	10.50	0.40	0.60	4.75	0.01	0.03
10.51	0.40	0.60	4.75	0.01	0.03	10.52	0.40	0.60	4.74	0.01	0.03
10.53	0.39	0.61	4.74	0.01	0.03	10.54	0.39	0.61	4.73	0.01	0.03
10.55	0.39	0.61	4.72	0.01	0.03	10.56	0.39	0.61	4.72	0.01	0.03

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	0.39	0.61	4.72	0.01	0.03	10.58	0.40	0.60	4.71	0.01	0.03
10.59	0.40	0.60	4.71	0.01	0.03	10.60	0.41	0.59	4.70	0.01	0.03

**Overall liquefaction potential: 24.20**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

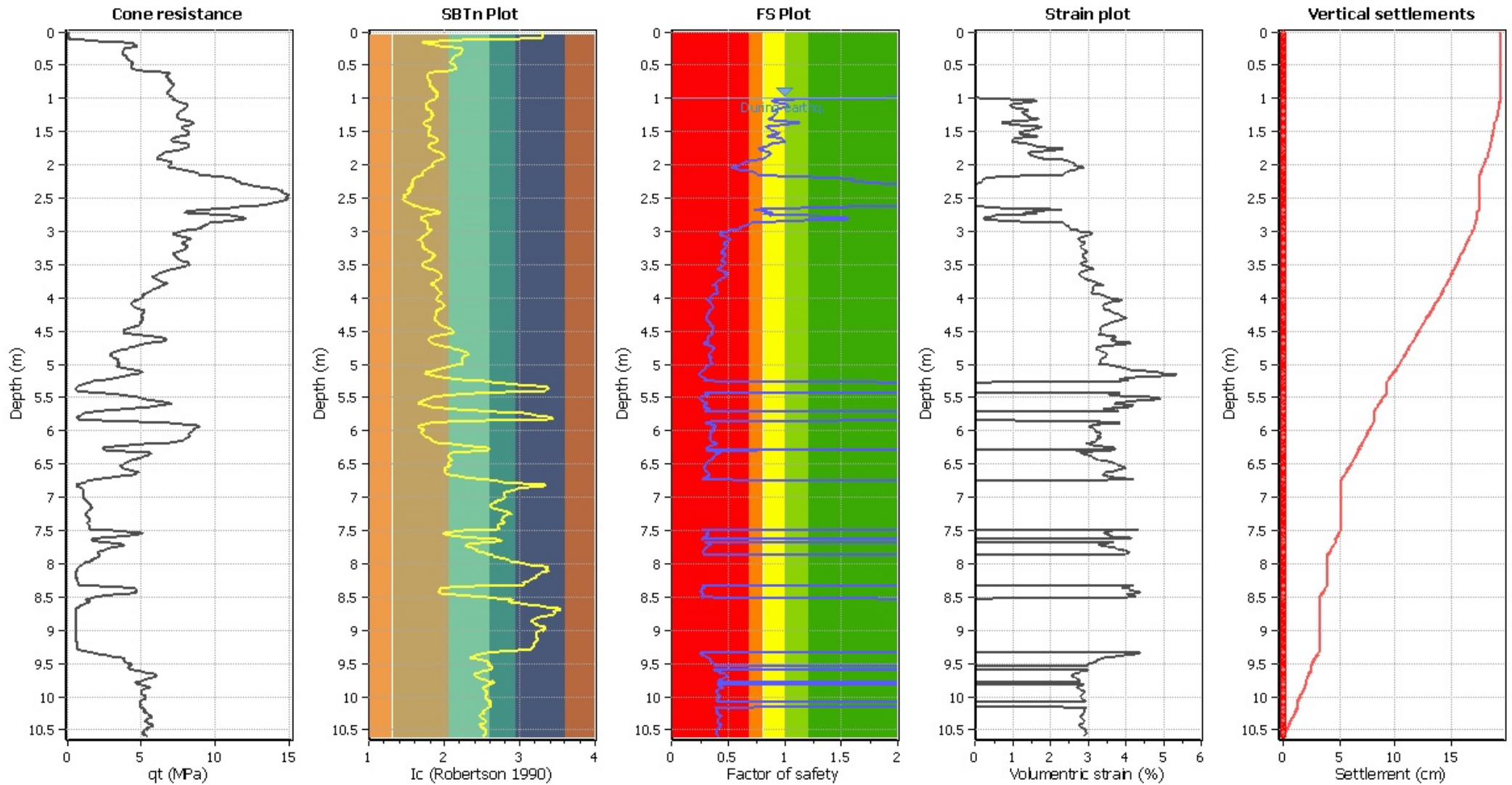
**Abbreviations**

FS: Calculated factor of safety for test point

F<sub>L</sub>: 1 - FSw<sub>z</sub>: Function value of the extend of soil liquefaction according to depthd<sub>z</sub>: Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	138.99	2.00	0.00	1.00	0.00	1.01	133.84	1.03	0.94	1.00	0.01
1.02	129.56	0.94	1.28	1.00	0.01	1.03	126.27	0.88	1.65	1.00	0.02
1.04	126.66	0.88	1.63	1.00	0.02	1.05	128.14	0.90	1.48	1.00	0.01
1.06	130.12	0.93	1.30	1.00	0.01	1.07	131.29	0.95	1.22	1.00	0.01
1.08	133.07	0.98	1.10	1.00	0.01	1.09	134.22	1.00	1.03	1.00	0.01
1.10	135.90	1.03	0.93	1.00	0.01	1.11	136.07	1.03	0.94	1.00	0.01
1.12	136.24	1.03	0.94	1.00	0.01	1.13	135.90	1.02	0.97	1.00	0.01
1.14	134.40	0.98	1.08	1.00	0.01	1.15	133.60	0.96	1.16	1.00	0.01
1.16	132.11	0.93	1.30	1.00	0.01	1.17	131.90	0.92	1.33	1.00	0.01
1.18	131.21	0.90	1.42	1.00	0.01	1.19	131.68	0.91	1.39	1.00	0.01
1.20	132.57	0.92	1.32	1.00	0.01	1.21	132.93	0.92	1.30	1.00	0.01
1.22	133.68	0.93	1.25	1.00	0.01	1.23	133.57	0.93	1.27	1.00	0.01
1.24	133.56	0.93	1.29	1.00	0.01	1.25	133.29	0.92	1.33	1.00	0.01
1.26	132.91	0.91	1.38	1.00	0.01	1.27	132.95	0.90	1.39	1.00	0.01
1.28	132.25	0.89	1.47	1.00	0.01	1.29	131.97	0.88	1.52	1.00	0.02
1.30	130.80	0.86	1.68	1.00	0.02	1.31	130.97	0.86	1.67	1.00	0.02
1.32	131.66	0.87	1.60	1.00	0.02	1.33	131.99	0.87	1.58	1.00	0.02
1.34	135.79	0.94	1.22	1.00	0.01	1.35	138.42	0.99	1.03	1.00	0.01
1.36	143.11	1.10	0.75	1.00	0.01	1.37	144.12	1.12	0.71	1.00	0.01
1.38	143.11	1.09	0.77	1.00	0.01	1.39	141.10	1.04	0.89	1.00	0.01
1.40	136.41	0.93	1.23	1.00	0.01	1.41	134.11	0.88	1.46	1.00	0.01
1.42	131.65	0.84	1.77	1.00	0.02	1.43	131.69	0.84	1.78	1.00	0.02
1.44	131.75	0.83	1.79	1.00	0.02	1.45	133.01	0.85	1.64	1.00	0.02
1.46	133.37	0.86	1.60	1.00	0.02	1.47	134.53	0.88	1.48	1.00	0.01
1.48	134.46	0.87	1.50	1.00	0.02	1.49	136.28	0.90	1.33	1.00	0.01
1.50	136.74	0.91	1.30	1.00	0.01	1.51	138.42	0.94	1.16	1.00	0.01
1.52	138.64	0.94	1.15	1.00	0.01	1.53	138.09	0.93	1.21	1.00	0.01
1.54	136.20	0.89	1.39	1.00	0.01	1.55	135.44	0.87	1.48	1.00	0.01
1.56	135.16	0.87	1.52	1.00	0.02	1.57	134.04	0.84	1.66	1.00	0.02
1.58	134.49	0.85	1.62	1.00	0.02	1.59	137.94	0.91	1.27	1.00	0.01
1.60	139.01	0.93	1.19	1.00	0.01	1.61	141.11	0.98	1.03	1.00	0.01
1.62	141.62	0.99	1.01	1.00	0.01	1.63	141.90	0.99	0.99	1.00	0.01
1.64	142.42	1.00	0.96	1.00	0.01	1.65	140.70	0.96	1.09	1.00	0.01
1.66	140.11	0.94	1.14	1.00	0.01	1.67	139.45	0.93	1.20	1.00	0.01
1.68	137.34	0.88	1.40	1.00	0.01	1.69	137.54	0.88	1.39	1.00	0.01
1.70	136.67	0.86	1.49	1.00	0.01	1.71	136.73	0.86	1.49	1.00	0.01
1.72	136.17	0.85	1.56	1.00	0.02	1.73	135.23	0.83	1.68	1.00	0.02
1.74	134.15	0.81	1.84	1.00	0.02	1.75	132.82	0.79	2.06	1.00	0.02
1.76	131.35	0.76	2.37	1.00	0.02	1.77	132.88	0.79	2.08	1.00	0.02
1.78	132.52	0.78	2.16	1.00	0.02	1.79	135.70	0.83	1.68	1.00	0.02
1.80	135.50	0.83	1.72	1.00	0.02	1.81	137.67	0.86	1.47	1.00	0.01
1.82	137.71	0.86	1.47	1.00	0.01	1.83	138.50	0.88	1.40	1.00	0.01
1.84	138.10	0.87	1.45	1.00	0.01	1.85	138.29	0.87	1.43	1.00	0.01
1.86	137.47	0.85	1.53	1.00	0.02	1.87	137.39	0.85	1.54	1.00	0.02
1.88	136.67	0.83	1.64	1.00	0.02	1.89	135.87	0.82	1.75	1.00	0.02
1.90	135.51	0.81	1.81	1.00	0.02	1.91	134.02	0.78	2.05	1.00	0.02
1.92	132.99	0.77	2.25	1.00	0.02	1.93	131.87	0.75	2.40	1.00	0.02
1.94	128.40	0.70	2.47	1.00	0.02	1.95	127.46	0.69	2.49	1.00	0.02

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	124.60	0.65	2.55	1.00	0.03	1.97	123.58	0.64	2.57	1.00	0.03
1.98	122.49	0.62	2.60	1.00	0.03	1.99	121.03	0.61	2.63	1.00	0.03
2.00	120.97	0.61	2.63	1.00	0.03	2.01	118.19	0.58	2.70	1.00	0.03
2.02	112.75	0.53	2.84	1.00	0.03	2.03	111.30	0.52	2.88	1.00	0.03
2.04	113.93	0.54	2.81	1.00	0.03	2.05	115.15	0.55	2.77	1.00	0.03
2.06	116.30	0.56	2.75	1.00	0.03	2.07	119.23	0.58	2.67	1.00	0.03
2.08	121.21	0.60	2.63	1.00	0.03	2.09	126.85	0.66	2.50	1.00	0.03
2.10	129.33	0.69	2.45	1.00	0.02	2.11	131.32	0.72	2.41	1.00	0.02
2.12	132.92	0.74	2.38	1.00	0.02	2.13	133.06	0.74	2.37	1.00	0.02
2.14	133.80	0.75	2.33	1.00	0.02	2.15	135.15	0.77	2.09	1.00	0.02
2.16	137.70	0.82	1.71	1.00	0.02	2.17	145.47	0.98	0.99	1.00	0.01
2.18	149.84	1.10	0.73	1.00	0.01	2.19	157.30	1.36	0.38	1.00	0.00
2.20	159.72	1.47	0.29	1.00	0.00	2.21	161.21	1.54	0.24	1.00	0.00
2.22	162.35	1.60	0.20	1.00	0.00	2.23	162.13	1.59	0.21	1.00	0.00
2.24	162.24	1.59	0.21	1.00	0.00	2.25	163.38	1.65	0.17	1.00	0.00
2.26	164.29	1.70	0.14	1.00	0.00	2.27	167.13	1.88	0.05	1.00	0.00
2.28	168.59	1.99	0.01	1.00	0.00	2.29	170.05	2.00	0.00	1.00	0.00
2.30	172.40	2.00	0.00	1.00	0.00	2.31	172.96	2.00	0.00	1.00	0.00
2.32	175.49	2.00	0.00	1.00	0.00	2.33	177.72	2.00	0.00	1.00	0.00
2.34	183.27	2.00	0.00	1.00	0.00	2.35	186.13	2.00	0.00	1.00	0.00
2.36	189.52	2.00	0.00	1.00	0.00	2.37	193.33	2.00	0.00	1.00	0.00
2.38	194.62	2.00	0.00	1.00	0.00	2.39	195.69	2.00	0.00	1.00	0.00
2.40	196.00	2.00	0.00	1.00	0.00	2.41	195.44	2.00	0.00	1.00	0.00
2.42	195.42	2.00	0.00	1.00	0.00	2.43	195.84	2.00	0.00	1.00	0.00
2.44	198.95	2.00	0.00	1.00	0.00	2.45	199.26	2.00	0.00	1.00	0.00
2.46	200.64	2.00	0.00	1.00	0.00	2.47	199.98	2.00	0.00	1.00	0.00
2.48	196.74	2.00	0.00	1.00	0.00	2.49	197.59	2.00	0.00	1.00	0.00
2.50	198.65	2.00	0.00	1.00	0.00	2.51	198.96	2.00	0.00	1.00	0.00
2.52	198.84	2.00	0.00	1.00	0.00	2.53	196.46	2.00	0.00	1.00	0.00
2.54	195.04	2.00	0.00	1.00	0.00	2.55	192.22	2.00	0.00	1.00	0.00
2.56	190.80	2.00	0.00	1.00	0.00	2.57	187.63	2.00	0.00	1.00	0.00
2.58	185.87	2.00	0.00	1.00	0.00	2.59	183.62	2.00	0.00	1.00	0.00
2.60	179.80	2.00	0.00	1.00	0.00	2.61	177.27	2.00	0.00	1.00	0.00
2.62	171.19	2.00	0.00	1.00	0.00	2.63	167.41	1.83	0.07	1.00	0.00
2.64	162.81	1.55	0.23	1.00	0.00	2.65	151.57	1.09	0.73	1.00	0.01
2.66	145.35	0.93	1.13	1.00	0.01	2.67	135.52	0.74	2.33	1.00	0.02
2.68	137.02	0.76	2.11	1.00	0.02	2.69	140.26	0.82	1.64	1.00	0.02
2.70	140.35	0.82	1.63	1.00	0.02	2.71	142.94	0.87	1.36	1.00	0.01
2.72	143.65	0.88	1.29	1.00	0.01	2.73	143.87	0.89	1.27	1.00	0.01
2.74	140.23	0.81	1.66	1.00	0.02	2.75	143.25	0.87	1.34	1.00	0.01
2.76	143.31	0.87	1.33	1.00	0.01	2.77	155.39	1.21	0.55	1.00	0.01
2.78	158.34	1.32	0.42	1.00	0.00	2.79	162.50	1.52	0.26	1.00	0.00
2.80	163.51	1.57	0.22	1.00	0.00	2.81	163.29	1.56	0.23	1.00	0.00
2.82	163.18	1.55	0.23	1.00	0.00	2.83	156.44	1.24	0.51	1.00	0.01
2.84	151.23	1.07	0.77	1.00	0.01	2.85	146.89	0.95	1.05	1.00	0.01
2.86	140.56	0.81	1.66	1.00	0.02	2.87	138.28	0.77	1.98	1.00	0.02
2.88	134.17	0.70	2.35	1.00	0.02	2.89	133.01	0.69	2.37	1.00	0.02
2.90	132.32	0.68	2.39	1.00	0.02	2.91	131.07	0.66	2.41	1.00	0.02



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	131.04	0.66	2.41	1.00	0.02	2.93	127.75	0.62	2.48	1.00	0.02
2.94	126.48	0.60	2.51	1.00	0.03	2.95	126.70	0.61	2.50	1.00	0.03
2.96	126.94	0.61	2.50	1.00	0.02	2.97	124.39	0.58	2.55	1.00	0.03
2.98	117.50	0.52	2.72	1.00	0.03	2.99	118.01	0.52	2.70	1.00	0.03
3.00	117.29	0.51	2.72	1.00	0.03	3.01	116.31	0.51	2.75	1.00	0.03
3.02	104.67	0.43	3.07	1.00	0.03	3.03	103.58	0.42	3.10	1.00	0.03
3.04	104.32	0.43	3.08	1.00	0.03	3.05	105.45	0.43	3.04	1.00	0.03
3.06	106.48	0.44	3.01	1.00	0.03	3.07	109.97	0.46	2.91	1.00	0.03
3.08	112.09	0.47	2.85	1.00	0.03	3.09	114.08	0.49	2.80	1.00	0.03
3.10	116.67	0.51	2.74	1.00	0.03	3.11	117.07	0.51	2.73	1.00	0.03
3.12	117.11	0.51	2.73	1.00	0.03	3.13	116.90	0.51	2.73	1.00	0.03
3.14	116.10	0.50	2.75	1.00	0.03	3.15	113.47	0.48	2.82	1.00	0.03
3.16	112.05	0.47	2.86	1.00	0.03	3.17	110.02	0.46	2.91	1.00	0.03
3.18	110.07	0.46	2.91	1.00	0.03	3.19	110.72	0.46	2.89	1.00	0.03
3.20	113.06	0.48	2.83	1.00	0.03	3.21	113.95	0.48	2.81	1.00	0.03
3.22	114.35	0.48	2.79	1.00	0.03	3.23	114.15	0.48	2.80	1.00	0.03
3.24	113.83	0.48	2.81	1.00	0.03	3.25	113.38	0.48	2.82	1.00	0.03
3.26	112.21	0.47	2.85	1.00	0.03	3.27	111.53	0.46	2.87	1.00	0.03
3.28	110.61	0.46	2.89	1.00	0.03	3.29	108.38	0.44	2.96	1.00	0.03
3.30	107.94	0.44	2.97	1.00	0.03	3.31	108.19	0.44	2.96	1.00	0.03
3.32	108.22	0.44	2.96	1.00	0.03	3.33	110.79	0.46	2.89	1.00	0.03
3.34	111.93	0.46	2.86	1.00	0.03	3.35	112.98	0.47	2.83	1.00	0.03
3.36	113.08	0.47	2.83	1.00	0.03	3.37	113.07	0.47	2.83	1.00	0.03
3.38	112.76	0.47	2.84	1.00	0.03	3.39	112.12	0.46	2.85	1.00	0.03
3.40	111.45	0.46	2.87	1.00	0.03	3.41	110.19	0.45	2.91	1.00	0.03
3.42	109.51	0.45	2.92	1.00	0.03	3.43	108.12	0.44	2.96	1.00	0.03
3.44	108.77	0.44	2.95	1.00	0.03	3.45	109.17	0.44	2.93	1.00	0.03
3.46	110.22	0.45	2.91	1.00	0.03	3.47	112.54	0.47	2.84	1.00	0.03
3.48	113.30	0.47	2.82	1.00	0.03	3.49	114.05	0.48	2.80	1.00	0.03
3.50	113.50	0.47	2.82	1.00	0.03	3.51	112.59	0.46	2.84	1.00	0.03
3.52	110.12	0.45	2.91	1.00	0.03	3.53	108.61	0.44	2.95	1.00	0.03
3.54	105.29	0.42	3.05	1.00	0.03	3.55	103.66	0.41	3.10	1.00	0.03
3.56	102.58	0.41	3.13	1.00	0.03	3.57	101.46	0.40	3.17	1.00	0.03
3.58	104.95	0.42	3.06	1.00	0.03	3.59	106.76	0.43	3.00	1.00	0.03
3.60	109.85	0.45	2.92	1.00	0.03	3.61	112.67	0.46	2.84	1.00	0.03
3.62	113.60	0.47	2.81	1.00	0.03	3.63	115.22	0.48	2.77	1.00	0.03
3.64	115.95	0.49	2.75	1.00	0.03	3.65	115.03	0.48	2.78	1.00	0.03
3.66	115.47	0.48	2.77	1.00	0.03	3.67	114.29	0.47	2.80	1.00	0.03
3.68	113.97	0.47	2.80	1.00	0.03	3.69	113.05	0.46	2.83	1.00	0.03
3.70	112.39	0.46	2.85	1.00	0.03	3.71	110.28	0.45	2.90	1.00	0.03
3.72	109.50	0.44	2.93	1.00	0.03	3.73	108.14	0.43	2.96	1.00	0.03
3.74	105.69	0.42	3.04	1.00	0.03	3.75	104.59	0.41	3.07	1.00	0.03
3.76	100.96	0.39	3.18	1.00	0.03	3.77	100.87	0.39	3.18	1.00	0.03
3.78	98.50	0.38	3.26	1.00	0.03	3.79	99.99	0.39	3.21	1.00	0.03
3.80	93.81	0.36	3.43	1.00	0.03	3.81	100.18	0.39	3.21	1.00	0.03
3.82	100.99	0.39	3.18	1.00	0.03	3.83	103.52	0.40	3.10	1.00	0.03
3.84	103.34	0.40	3.11	1.00	0.03	3.85	102.35	0.40	3.14	1.00	0.03
3.86	103.13	0.40	3.11	1.00	0.03	3.87	102.49	0.40	3.13	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	102.67	0.40	3.13	1.00	0.03	3.89	103.03	0.40	3.12	1.00	0.03
3.90	102.91	0.40	3.12	1.00	0.03	3.91	104.36	0.41	3.08	1.00	0.03
3.92	104.13	0.40	3.08	1.00	0.03	3.93	103.88	0.40	3.09	1.00	0.03
3.94	101.28	0.39	3.17	1.00	0.03	3.95	97.90	0.37	3.28	1.00	0.03
3.96	94.72	0.36	3.39	1.00	0.03	3.97	94.21	0.36	3.41	1.00	0.03
3.98	92.84	0.35	3.46	1.00	0.03	3.99	92.09	0.35	3.49	1.00	0.03
4.00	91.92	0.35	3.50	1.00	0.03	4.01	89.66	0.34	3.59	1.00	0.04
4.02	83.26	0.32	3.86	1.00	0.04	4.03	81.48	0.31	3.94	1.00	0.04
4.04	84.18	0.32	3.82	1.00	0.04	4.05	85.99	0.32	3.74	1.00	0.04
4.06	88.27	0.33	3.64	1.00	0.04	4.07	89.96	0.34	3.57	1.00	0.04
4.08	91.33	0.34	3.52	1.00	0.04	4.09	92.88	0.35	3.46	1.00	0.03
4.10	93.45	0.35	3.44	1.00	0.03	4.11	94.43	0.35	3.41	1.00	0.03
4.12	94.93	0.36	3.39	1.00	0.03	4.13	95.06	0.36	3.38	1.00	0.03
4.14	95.04	0.36	3.38	1.00	0.03	4.15	94.24	0.35	3.41	1.00	0.03
4.16	94.51	0.35	3.40	1.00	0.03	4.17	92.95	0.35	3.46	1.00	0.03
4.18	91.79	0.34	3.50	1.00	0.04	4.19	90.54	0.34	3.55	1.00	0.04
4.20	89.35	0.33	3.60	1.00	0.04	4.21	88.59	0.33	3.63	1.00	0.04
4.22	87.81	0.33	3.66	1.00	0.04	4.23	86.95	0.32	3.70	1.00	0.04
4.24	85.39	0.32	3.76	1.00	0.04	4.25	84.14	0.31	3.82	1.00	0.04
4.26	83.50	0.31	3.85	1.00	0.04	4.27	82.49	0.31	3.89	1.00	0.04
4.28	81.75	0.31	3.93	1.00	0.04	4.29	80.81	0.30	3.97	1.00	0.04
4.30	80.26	0.30	4.00	1.00	0.04	4.31	80.45	0.30	3.99	1.00	0.04
4.32	81.16	0.30	3.95	1.00	0.04	4.33	82.45	0.31	3.89	1.00	0.04
4.34	83.56	0.31	3.84	1.00	0.04	4.35	85.74	0.32	3.75	1.00	0.04
4.36	87.31	0.32	3.68	1.00	0.04	4.37	89.24	0.33	3.60	1.00	0.04
4.38	90.37	0.33	3.56	1.00	0.04	4.39	92.10	0.34	3.49	1.00	0.03
4.40	93.22	0.34	3.45	1.00	0.03	4.41	94.37	0.35	3.41	1.00	0.03
4.42	94.96	0.35	3.39	1.00	0.03	4.43	96.49	0.36	3.33	1.00	0.03
4.44	95.85	0.35	3.35	1.00	0.03	4.45	96.93	0.36	3.32	1.00	0.03
4.46	97.51	0.36	3.30	1.00	0.03	4.47	96.61	0.36	3.33	1.00	0.03
4.48	97.07	0.36	3.31	1.00	0.03	4.49	96.93	0.36	3.32	1.00	0.03
4.50	96.70	0.36	3.32	1.00	0.03	4.51	96.30	0.36	3.34	1.00	0.03
4.52	96.64	0.36	3.33	1.00	0.03	4.53	96.58	0.36	3.33	1.00	0.03
4.54	95.70	0.35	3.36	1.00	0.03	4.55	97.83	0.36	3.29	1.00	0.03
4.56	95.25	0.35	3.38	1.00	0.03	4.57	92.18	0.34	3.49	1.00	0.03
4.58	86.47	0.32	3.72	1.00	0.04	4.59	86.51	0.32	3.72	1.00	0.04
4.60	85.86	0.32	3.74	1.00	0.04	4.61	86.76	0.32	3.70	1.00	0.04
4.62	88.65	0.32	3.63	1.00	0.04	4.63	88.54	0.32	3.63	1.00	0.04
4.64	87.91	0.32	3.66	1.00	0.04	4.65	86.53	0.32	3.71	1.00	0.04
4.66	81.29	0.30	3.95	1.00	0.04	4.67	79.05	0.29	4.06	1.00	0.04
4.68	77.41	0.29	4.14	1.00	0.04	4.69	79.01	0.29	4.06	1.00	0.04
4.70	80.81	0.30	3.97	1.00	0.04	4.71	86.29	0.32	3.72	1.00	0.04
4.72	90.16	0.33	3.57	1.00	0.04	4.73	95.35	0.35	3.37	1.00	0.03
4.74	97.13	0.36	3.31	1.00	0.03	4.75	99.48	0.37	3.23	1.00	0.03
4.76	99.89	0.37	3.22	1.00	0.03	4.77	100.34	0.37	3.20	1.00	0.03
4.78	98.20	0.36	3.27	1.00	0.03	4.79	97.70	0.36	3.29	1.00	0.03
4.80	97.01	0.35	3.31	1.00	0.03	4.81	96.27	0.35	3.34	1.00	0.03
4.82	94.07	0.34	3.42	1.00	0.03	4.83	93.26	0.34	3.45	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	92.67	0.34	3.47	1.00	0.03	4.85	91.99	0.33	3.50	1.00	0.03
4.86	91.55	0.33	3.51	1.00	0.04	4.87	91.50	0.33	3.51	1.00	0.04
4.88	91.50	0.33	3.51	1.00	0.04	4.89	91.66	0.33	3.51	1.00	0.04
4.90	93.51	0.34	3.44	1.00	0.03	4.91	94.54	0.34	3.40	1.00	0.03
4.92	95.85	0.35	3.35	1.00	0.03	4.93	96.62	0.35	3.33	1.00	0.03
4.94	96.74	0.35	3.32	1.00	0.03	4.95	96.76	0.35	3.32	1.00	0.03
4.96	96.78	0.35	3.32	1.00	0.03	4.97	96.93	0.35	3.32	1.00	0.03
4.98	97.46	0.35	3.30	1.00	0.03	4.99	97.66	0.35	3.29	1.00	0.03
5.00	97.76	0.35	3.29	1.00	0.03	5.01	96.26	0.35	3.34	1.00	0.03
5.02	90.98	0.33	3.53	1.00	0.04	5.03	86.29	0.31	3.72	1.00	0.04
5.04	83.24	0.30	3.86	1.00	0.04	5.05	82.50	0.30	3.89	1.00	0.04
5.06	80.84	0.29	3.97	1.00	0.04	5.07	78.98	0.29	4.06	1.00	0.04
5.08	79.83	0.29	4.02	1.00	0.04	5.09	75.24	0.28	4.25	1.00	0.04
5.10	71.39	0.27	4.47	1.00	0.04	5.11	67.64	0.26	4.70	1.00	0.05
5.12	66.69	0.26	4.76	1.00	0.05	5.13	65.20	0.25	4.86	1.00	0.05
5.14	63.37	0.25	4.98	1.00	0.05	5.15	58.59	0.24	5.35	1.00	0.05
5.16	58.84	0.24	5.33	1.00	0.05	5.17	61.59	0.24	5.11	1.00	0.05
5.18	65.93	0.25	4.81	1.00	0.05	5.19	73.40	0.27	4.35	1.00	0.04
5.20	76.89	0.28	4.16	1.00	0.04	5.21	81.08	0.29	3.96	1.00	0.04
5.22	82.44	0.30	3.89	1.00	0.04	5.23	84.05	0.30	3.82	1.00	0.04
5.24	80.70	0.29	3.98	1.00	0.04	5.25	80.17	0.29	4.00	1.00	0.04
5.26	78.26	0.28	4.09	1.00	0.04	5.27	19.57	2.00	0.00	1.00	0.00
5.28	16.55	2.00	0.00	1.00	0.00	5.29	15.27	2.00	0.00	1.00	0.00
5.30	14.00	2.00	0.00	1.00	0.00	5.31	12.60	2.00	0.00	1.00	0.00
5.32	9.81	2.00	0.00	1.00	0.00	5.33	8.66	2.00	0.00	1.00	0.00
5.34	7.77	2.00	0.00	1.00	0.00	5.35	7.50	2.00	0.00	1.00	0.00
5.36	7.37	2.00	0.00	1.00	0.00	5.37	6.86	2.00	0.00	1.00	0.00
5.38	6.85	2.00	0.00	1.00	0.00	5.39	6.85	2.00	0.00	1.00	0.00
5.40	6.72	2.00	0.00	1.00	0.00	5.41	7.22	2.00	0.00	1.00	0.00
5.42	18.99	2.00	0.00	1.00	0.00	5.43	83.91	0.30	3.83	1.00	0.04
5.44	89.24	0.32	3.60	1.00	0.04	5.45	90.60	0.32	3.55	1.00	0.04
5.46	91.36	0.32	3.52	1.00	0.04	5.47	84.50	0.30	3.80	1.00	0.04
5.48	80.66	0.29	3.98	1.00	0.04	5.49	74.20	0.27	4.31	1.00	0.04
5.50	68.95	0.26	4.61	1.00	0.05	5.51	64.32	0.25	4.92	1.00	0.05
5.52	65.00	0.25	4.87	1.00	0.05	5.53	67.07	0.25	4.73	1.00	0.05
5.54	72.51	0.27	4.40	1.00	0.04	5.55	75.59	0.28	4.23	1.00	0.04
5.56	78.89	0.28	4.06	1.00	0.04	5.57	82.29	0.29	3.90	1.00	0.04
5.58	86.35	0.31	3.72	1.00	0.04	5.59	86.87	0.31	3.70	1.00	0.04
5.60	86.37	0.31	3.72	1.00	0.04	5.61	83.02	0.30	3.87	1.00	0.04
5.62	80.12	0.29	4.00	1.00	0.04	5.63	76.62	0.28	4.18	1.00	0.04
5.64	78.25	0.28	4.10	1.00	0.04	5.65	82.52	0.29	3.89	1.00	0.04
5.66	91.23	0.32	3.52	1.00	0.04	5.67	93.47	0.33	3.44	1.00	0.03
5.68	94.93	0.34	3.39	1.00	0.03	5.69	86.16	0.30	3.73	1.00	0.04
5.70	84.04	0.30	3.82	1.00	0.04	5.71	22.66	2.00	0.00	1.00	0.00
5.72	19.36	2.00	0.00	1.00	0.00	5.73	14.97	2.00	0.00	1.00	0.00
5.74	13.61	2.00	0.00	1.00	0.00	5.75	12.62	2.00	0.00	1.00	0.00
5.76	11.75	2.00	0.00	1.00	0.00	5.77	11.38	2.00	0.00	1.00	0.00
5.78	9.77	2.00	0.00	1.00	0.00	5.79	8.78	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	8.52	2.00	0.00	1.00	0.00	5.81	8.27	2.00	0.00	1.00	0.00
5.82	8.14	2.00	0.00	1.00	0.00	5.83	8.75	2.00	0.00	1.00	0.00
5.84	11.20	2.00	0.00	1.00	0.00	5.85	15.98	2.00	0.00	1.00	0.00
5.86	97.08	0.34	3.31	1.00	0.03	5.87	100.13	0.36	3.21	1.00	0.03
5.88	92.85	0.33	3.46	1.00	0.03	5.89	83.38	0.29	3.85	1.00	0.04
5.90	99.29	0.35	3.24	1.00	0.03	5.91	103.97	0.37	3.09	1.00	0.03
5.92	105.68	0.38	3.04	1.00	0.03	5.93	106.17	0.38	3.02	1.00	0.03
5.94	105.57	0.38	3.04	1.00	0.03	5.95	104.96	0.38	3.06	1.00	0.03
5.96	103.37	0.37	3.11	1.00	0.03	5.97	102.52	0.37	3.13	1.00	0.03
5.98	101.81	0.36	3.15	1.00	0.03	5.99	100.99	0.36	3.18	1.00	0.03
6.00	100.93	0.36	3.18	1.00	0.03	6.01	100.88	0.36	3.18	1.00	0.03
6.02	97.66	0.34	3.29	1.00	0.03	6.03	97.39	0.34	3.30	1.00	0.03
6.04	97.33	0.34	3.30	1.00	0.03	6.05	97.39	0.34	3.30	1.00	0.03
6.06	97.56	0.34	3.29	1.00	0.03	6.07	97.94	0.34	3.28	1.00	0.03
6.08	98.98	0.35	3.25	1.00	0.03	6.09	98.49	0.35	3.26	1.00	0.03
6.10	98.79	0.35	3.25	1.00	0.03	6.11	96.31	0.34	3.34	1.00	0.03
6.12	98.37	0.35	3.27	1.00	0.03	6.13	98.95	0.35	3.25	1.00	0.03
6.14	99.33	0.35	3.24	1.00	0.03	6.15	99.20	0.35	3.24	1.00	0.03
6.16	100.94	0.36	3.18	1.00	0.03	6.17	102.78	0.37	3.12	1.00	0.03
6.18	105.47	0.38	3.04	1.00	0.03	6.19	109.88	0.40	2.91	1.00	0.03
6.20	106.02	0.38	3.03	1.00	0.03	6.21	105.91	0.38	3.03	1.00	0.03
6.22	104.17	0.37	3.08	1.00	0.03	6.23	99.72	0.35	3.22	1.00	0.03
6.24	96.11	0.34	3.35	1.00	0.03	6.25	88.17	0.31	3.65	1.00	0.04
6.26	86.78	0.30	3.70	1.00	0.04	6.27	86.49	0.30	3.72	1.00	0.04
6.28	28.36	2.00	0.00	1.00	0.00	6.29	89.39	0.31	3.60	1.00	0.04
6.30	93.72	0.33	3.43	1.00	0.03	6.31	110.86	0.41	2.89	1.00	0.03
6.32	114.54	0.43	2.79	1.00	0.03	6.33	115.54	0.44	2.76	1.00	0.03
6.34	113.84	0.43	2.81	1.00	0.03	6.35	111.84	0.41	2.86	1.00	0.03
6.36	109.06	0.40	2.94	1.00	0.03	6.37	107.12	0.39	2.99	1.00	0.03
6.38	105.53	0.38	3.04	1.00	0.03	6.39	104.55	0.37	3.07	1.00	0.03
6.40	103.61	0.37	3.10	1.00	0.03	6.41	100.83	0.36	3.19	1.00	0.03
6.42	100.28	0.35	3.20	1.00	0.03	6.43	99.33	0.35	3.24	1.00	0.03
6.44	98.10	0.34	3.28	1.00	0.03	6.45	96.75	0.34	3.32	1.00	0.03
6.46	92.65	0.32	3.47	1.00	0.03	6.47	89.84	0.31	3.58	1.00	0.04
6.48	87.66	0.31	3.67	1.00	0.04	6.49	87.14	0.30	3.69	1.00	0.04
6.50	86.16	0.30	3.73	1.00	0.04	6.51	85.41	0.30	3.76	1.00	0.04
6.52	83.74	0.29	3.84	1.00	0.04	6.53	82.68	0.29	3.88	1.00	0.04
6.54	81.20	0.29	3.95	1.00	0.04	6.55	79.85	0.28	4.02	1.00	0.04
6.56	80.16	0.28	4.00	1.00	0.04	6.57	80.65	0.28	3.98	1.00	0.04
6.58	82.48	0.29	3.89	1.00	0.04	6.59	84.51	0.30	3.80	1.00	0.04
6.60	85.77	0.30	3.75	1.00	0.04	6.61	86.82	0.30	3.70	1.00	0.04
6.62	90.37	0.31	3.56	1.00	0.04	6.63	92.66	0.32	3.47	1.00	0.03
6.64	94.10	0.33	3.42	1.00	0.03	6.65	94.76	0.33	3.39	1.00	0.03
6.66	95.09	0.33	3.38	1.00	0.03	6.67	93.23	0.32	3.45	1.00	0.03
6.68	92.77	0.32	3.47	1.00	0.03	6.69	90.94	0.32	3.54	1.00	0.04
6.70	88.86	0.31	3.62	1.00	0.04	6.71	87.01	0.30	3.69	1.00	0.04
6.72	81.12	0.28	3.96	1.00	0.04	6.73	78.64	0.28	4.08	1.00	0.04
6.74	76.48	0.27	4.19	1.00	0.04	6.75	17.87	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	16.24	2.00	0.00	1.00	0.00	6.77	14.85	2.00	0.00	1.00	0.00
6.78	13.21	2.00	0.00	1.00	0.00	6.79	9.62	2.00	0.00	1.00	0.00
6.80	8.57	2.00	0.00	1.00	0.00	6.81	8.10	2.00	0.00	1.00	0.00
6.82	7.52	2.00	0.00	1.00	0.00	6.83	7.28	2.00	0.00	1.00	0.00
6.84	8.09	2.00	0.00	1.00	0.00	6.85	9.47	2.00	0.00	1.00	0.00
6.86	10.85	2.00	0.00	1.00	0.00	6.87	11.54	2.00	0.00	1.00	0.00
6.88	12.11	2.00	0.00	1.00	0.00	6.89	12.57	2.00	0.00	1.00	0.00
6.90	12.68	2.00	0.00	1.00	0.00	6.91	12.44	2.00	0.00	1.00	0.00
6.92	12.55	2.00	0.00	1.00	0.00	6.93	12.43	2.00	0.00	1.00	0.00
6.94	12.31	2.00	0.00	1.00	0.00	6.95	12.08	2.00	0.00	1.00	0.00
6.96	11.96	2.00	0.00	1.00	0.00	6.97	11.95	2.00	0.00	1.00	0.00
6.98	11.95	2.00	0.00	1.00	0.00	6.99	11.94	2.00	0.00	1.00	0.00
7.00	11.93	2.00	0.00	1.00	0.00	7.01	11.93	2.00	0.00	1.00	0.00
7.02	13.98	2.00	0.00	1.00	0.00	7.03	13.75	2.00	0.00	1.00	0.00
7.04	13.74	2.00	0.00	1.00	0.00	7.05	14.19	2.00	0.00	1.00	0.00
7.06	14.64	2.00	0.00	1.00	0.00	7.07	15.09	2.00	0.00	1.00	0.00
7.08	15.65	2.00	0.00	1.00	0.00	7.09	16.22	2.00	0.00	1.00	0.00
7.10	17.12	2.00	0.00	1.00	0.00	7.11	17.68	2.00	0.00	1.00	0.00
7.12	17.89	2.00	0.00	1.00	0.00	7.13	18.00	2.00	0.00	1.00	0.00
7.14	17.98	2.00	0.00	1.00	0.00	7.15	17.97	2.00	0.00	1.00	0.00
7.16	18.19	2.00	0.00	1.00	0.00	7.17	18.40	2.00	0.00	1.00	0.00
7.18	17.94	2.00	0.00	1.00	0.00	7.19	17.03	2.00	0.00	1.00	0.00
7.20	16.34	2.00	0.00	1.00	0.00	7.21	15.76	2.00	0.00	1.00	0.00
7.22	15.30	2.00	0.00	1.00	0.00	7.23	14.73	2.00	0.00	1.00	0.00
7.24	14.38	2.00	0.00	1.00	0.00	7.25	13.92	2.00	0.00	1.00	0.00
7.26	13.80	2.00	0.00	1.00	0.00	7.27	14.14	2.00	0.00	1.00	0.00
7.28	14.69	2.00	0.00	1.00	0.00	7.29	15.14	2.00	0.00	1.00	0.00
7.30	15.69	2.00	0.00	1.00	0.00	7.31	16.02	2.00	0.00	1.00	0.00
7.32	16.35	2.00	0.00	1.00	0.00	7.33	16.23	2.00	0.00	1.00	0.00
7.34	16.11	2.00	0.00	1.00	0.00	7.35	16.21	2.00	0.00	1.00	0.00
7.36	16.09	2.00	0.00	1.00	0.00	7.37	15.75	2.00	0.00	1.00	0.00
7.38	15.40	2.00	0.00	1.00	0.00	7.39	15.06	2.00	0.00	1.00	0.00
7.40	15.39	2.00	0.00	1.00	0.00	7.41	15.72	2.00	0.00	1.00	0.00
7.42	15.94	2.00	0.00	1.00	0.00	7.43	16.27	2.00	0.00	1.00	0.00
7.44	16.48	2.00	0.00	1.00	0.00	7.45	16.25	2.00	0.00	1.00	0.00
7.46	16.02	2.00	0.00	1.00	0.00	7.47	15.68	2.00	0.00	1.00	0.00
7.48	15.56	2.00	0.00	1.00	0.00	7.49	16.34	2.00	0.00	1.00	0.00
7.50	73.79	0.26	4.33	1.00	0.04	7.51	87.73	0.30	3.66	1.00	0.04
7.52	91.74	0.32	3.51	1.00	0.04	7.53	93.69	0.32	3.43	1.00	0.03
7.54	93.51	0.32	3.44	1.00	0.03	7.55	90.97	0.31	3.54	1.00	0.04
7.56	90.81	0.31	3.54	1.00	0.04	7.57	92.01	0.32	3.49	1.00	0.03
7.58	90.82	0.31	3.54	1.00	0.04	7.59	88.88	0.31	3.62	1.00	0.04
7.60	86.82	0.30	3.70	1.00	0.04	7.61	78.73	0.28	4.07	1.00	0.04
7.62	77.05	0.27	4.16	1.00	0.04	7.63	19.09	2.00	0.00	1.00	0.00
7.64	17.75	2.00	0.00	1.00	0.00	7.65	17.40	2.00	0.00	1.00	0.00
7.66	19.70	2.00	0.00	1.00	0.00	7.67	22.87	2.00	0.00	1.00	0.00
7.68	87.04	0.30	3.69	1.00	0.04	7.69	92.85	0.32	3.46	1.00	0.03
7.70	96.27	0.33	3.34	1.00	0.03	7.71	98.54	0.34	3.26	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	96.92	0.33	3.32	1.00	0.03	7.73	94.86	0.33	3.39	1.00	0.03
7.74	93.58	0.32	3.44	1.00	0.03	7.75	92.07	0.32	3.49	1.00	0.03
7.76	90.71	0.31	3.55	1.00	0.04	7.77	86.59	0.30	3.71	1.00	0.04
7.78	84.84	0.29	3.79	1.00	0.04	7.79	82.95	0.29	3.87	1.00	0.04
7.80	81.16	0.28	3.95	1.00	0.04	7.81	80.07	0.28	4.01	1.00	0.04
7.82	78.25	0.27	4.09	1.00	0.04	7.83	78.13	0.27	4.10	1.00	0.04
7.84	79.12	0.28	4.05	1.00	0.04	7.85	80.06	0.28	4.01	1.00	0.04
7.86	81.08	0.28	3.96	1.00	0.04	7.87	81.28	0.28	3.95	1.00	0.04
7.88	23.40	2.00	0.00	1.00	0.00	7.89	23.16	2.00	0.00	1.00	0.00
7.90	22.61	2.00	0.00	1.00	0.00	7.91	21.72	2.00	0.00	1.00	0.00
7.92	19.76	2.00	0.00	1.00	0.00	7.93	19.10	2.00	0.00	1.00	0.00
7.94	18.33	2.00	0.00	1.00	0.00	7.95	17.77	2.00	0.00	1.00	0.00
7.96	17.11	2.00	0.00	1.00	0.00	7.97	16.34	2.00	0.00	1.00	0.00
7.98	13.94	2.00	0.00	1.00	0.00	7.99	12.63	2.00	0.00	1.00	0.00
8.00	12.62	2.00	0.00	1.00	0.00	8.01	12.62	2.00	0.00	1.00	0.00
8.02	10.54	2.00	0.00	1.00	0.00	8.03	9.45	2.00	0.00	1.00	0.00
8.04	8.68	2.00	0.00	1.00	0.00	8.05	7.69	2.00	0.00	1.00	0.00
8.06	7.47	2.00	0.00	1.00	0.00	8.07	7.25	2.00	0.00	1.00	0.00
8.08	7.24	2.00	0.00	1.00	0.00	8.09	7.13	2.00	0.00	1.00	0.00
8.10	6.91	2.00	0.00	1.00	0.00	8.11	6.58	2.00	0.00	1.00	0.00
8.12	6.58	2.00	0.00	1.00	0.00	8.13	6.68	2.00	0.00	1.00	0.00
8.14	6.57	2.00	0.00	1.00	0.00	8.15	6.57	2.00	0.00	1.00	0.00
8.16	6.45	2.00	0.00	1.00	0.00	8.17	6.56	2.00	0.00	1.00	0.00
8.18	6.56	2.00	0.00	1.00	0.00	8.19	6.56	2.00	0.00	1.00	0.00
8.20	6.55	2.00	0.00	1.00	0.00	8.21	6.66	2.00	0.00	1.00	0.00
8.22	6.66	2.00	0.00	1.00	0.00	8.23	6.76	2.00	0.00	1.00	0.00
8.24	6.87	2.00	0.00	1.00	0.00	8.25	7.08	2.00	0.00	1.00	0.00
8.26	7.19	2.00	0.00	1.00	0.00	8.27	7.62	2.00	0.00	1.00	0.00
8.28	8.15	2.00	0.00	1.00	0.00	8.29	8.26	2.00	0.00	1.00	0.00
8.30	8.26	2.00	0.00	1.00	0.00	8.31	8.04	2.00	0.00	1.00	0.00
8.32	8.03	2.00	0.00	1.00	0.00	8.33	9.12	2.00	0.00	1.00	0.00
8.34	76.09	0.27	4.21	1.00	0.04	8.35	79.81	0.28	4.02	1.00	0.04
8.36	81.13	0.28	3.95	1.00	0.04	8.37	82.39	0.28	3.90	1.00	0.04
8.38	77.67	0.27	4.12	1.00	0.04	8.39	78.32	0.27	4.09	1.00	0.04
8.40	77.56	0.27	4.13	1.00	0.04	8.41	75.46	0.27	4.24	1.00	0.04
8.42	73.51	0.26	4.35	1.00	0.04	8.43	73.14	0.26	4.37	1.00	0.04
8.44	74.72	0.26	4.28	1.00	0.04	8.45	76.05	0.27	4.21	1.00	0.04
8.46	78.06	0.27	4.10	1.00	0.04	8.47	80.30	0.28	3.99	1.00	0.04
8.48	77.10	0.27	4.15	1.00	0.04	8.49	77.40	0.27	4.14	1.00	0.04
8.50	76.06	0.27	4.21	1.00	0.04	8.51	74.96	0.27	4.27	1.00	0.04
8.52	16.71	2.00	0.00	1.00	0.00	8.53	13.62	2.00	0.00	1.00	0.00
8.54	13.18	2.00	0.00	1.00	0.00	8.55	13.92	2.00	0.00	1.00	0.00
8.56	15.40	2.00	0.00	1.00	0.00	8.57	16.56	2.00	0.00	1.00	0.00
8.58	16.66	2.00	0.00	1.00	0.00	8.59	14.32	2.00	0.00	1.00	0.00
8.60	13.03	2.00	0.00	1.00	0.00	8.61	12.07	2.00	0.00	1.00	0.00
8.62	11.11	2.00	0.00	1.00	0.00	8.63	9.94	2.00	0.00	1.00	0.00
8.64	9.19	2.00	0.00	1.00	0.00	8.65	7.48	2.00	0.00	1.00	0.00
8.66	6.73	2.00	0.00	1.00	0.00	8.67	6.30	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	5.98	2.00	0.00	1.00	0.00	8.69	5.87	2.00	0.00	1.00	0.00
8.70	5.87	2.00	0.00	1.00	0.00	8.71	5.76	2.00	0.00	1.00	0.00
8.72	5.76	2.00	0.00	1.00	0.00	8.73	5.76	2.00	0.00	1.00	0.00
8.74	5.75	2.00	0.00	1.00	0.00	8.75	5.75	2.00	0.00	1.00	0.00
8.76	5.75	2.00	0.00	1.00	0.00	8.77	5.75	2.00	0.00	1.00	0.00
8.78	5.64	2.00	0.00	1.00	0.00	8.79	5.74	2.00	0.00	1.00	0.00
8.80	5.74	2.00	0.00	1.00	0.00	8.81	5.74	2.00	0.00	1.00	0.00
8.82	5.84	2.00	0.00	1.00	0.00	8.83	5.84	2.00	0.00	1.00	0.00
8.84	6.05	2.00	0.00	1.00	0.00	8.85	6.26	2.00	0.00	1.00	0.00
8.86	6.36	2.00	0.00	1.00	0.00	8.87	6.36	2.00	0.00	1.00	0.00
8.88	6.36	2.00	0.00	1.00	0.00	8.89	6.04	2.00	0.00	1.00	0.00
8.90	5.93	2.00	0.00	1.00	0.00	8.91	5.93	2.00	0.00	1.00	0.00
8.92	5.92	2.00	0.00	1.00	0.00	8.93	5.92	2.00	0.00	1.00	0.00
8.94	5.81	2.00	0.00	1.00	0.00	8.95	5.71	2.00	0.00	1.00	0.00
8.96	5.70	2.00	0.00	1.00	0.00	8.97	5.70	2.00	0.00	1.00	0.00
8.98	5.70	2.00	0.00	1.00	0.00	8.99	5.80	2.00	0.00	1.00	0.00
9.00	5.80	2.00	0.00	1.00	0.00	9.01	5.80	2.00	0.00	1.00	0.00
9.02	5.90	2.00	0.00	1.00	0.00	9.03	5.90	2.00	0.00	1.00	0.00
9.04	5.90	2.00	0.00	1.00	0.00	9.05	5.89	2.00	0.00	1.00	0.00
9.06	5.89	2.00	0.00	1.00	0.00	9.07	6.00	2.00	0.00	1.00	0.00
9.08	5.99	2.00	0.00	1.00	0.00	9.09	5.99	2.00	0.00	1.00	0.00
9.10	5.99	2.00	0.00	1.00	0.00	9.11	5.99	2.00	0.00	1.00	0.00
9.12	5.98	2.00	0.00	1.00	0.00	9.13	5.98	2.00	0.00	1.00	0.00
9.14	5.98	2.00	0.00	1.00	0.00	9.15	6.08	2.00	0.00	1.00	0.00
9.16	6.08	2.00	0.00	1.00	0.00	9.17	6.08	2.00	0.00	1.00	0.00
9.18	6.18	2.00	0.00	1.00	0.00	9.19	6.28	2.00	0.00	1.00	0.00
9.20	6.28	2.00	0.00	1.00	0.00	9.21	6.28	2.00	0.00	1.00	0.00
9.22	6.27	2.00	0.00	1.00	0.00	9.23	6.27	2.00	0.00	1.00	0.00
9.24	6.37	2.00	0.00	1.00	0.00	9.25	6.48	2.00	0.00	1.00	0.00
9.26	6.58	2.00	0.00	1.00	0.00	9.27	6.68	2.00	0.00	1.00	0.00
9.28	6.88	2.00	0.00	1.00	0.00	9.29	6.99	2.00	0.00	1.00	0.00
9.30	7.61	2.00	0.00	1.00	0.00	9.31	9.06	2.00	0.00	1.00	0.00
9.32	11.54	2.00	0.00	1.00	0.00	9.33	14.44	2.00	0.00	1.00	0.00
9.34	72.71	0.26	4.39	1.00	0.04	9.35	73.35	0.26	4.35	1.00	0.04
9.36	75.08	0.27	4.26	1.00	0.04	9.37	77.23	0.27	4.15	1.00	0.04
9.38	81.35	0.28	3.95	1.00	0.04	9.39	86.70	0.30	3.71	1.00	0.04
9.40	90.86	0.31	3.54	1.00	0.04	9.41	95.13	0.33	3.38	1.00	0.03
9.42	96.19	0.33	3.34	1.00	0.03	9.43	97.04	0.33	3.31	1.00	0.03
9.44	97.68	0.33	3.29	1.00	0.03	9.45	98.94	0.34	3.25	1.00	0.03
9.46	99.31	0.34	3.24	1.00	0.03	9.47	100.00	0.34	3.21	1.00	0.03
9.48	101.15	0.35	3.18	1.00	0.03	9.49	102.13	0.35	3.14	1.00	0.03
9.50	105.64	0.37	3.04	1.00	0.03	9.51	106.58	0.37	3.01	1.00	0.03
9.52	107.07	0.38	2.99	1.00	0.03	9.53	107.35	0.38	2.99	1.00	0.03
9.54	42.59	2.00	0.00	1.00	0.00	9.55	41.66	2.00	0.00	1.00	0.00
9.56	41.23	2.00	0.00	1.00	0.00	9.57	40.80	2.00	0.00	1.00	0.00
9.58	40.58	2.00	0.00	1.00	0.00	9.59	41.57	2.00	0.00	1.00	0.00
9.60	106.53	0.37	3.01	1.00	0.03	9.61	108.72	0.39	2.95	1.00	0.03
9.62	114.18	0.42	2.80	1.00	0.03	9.63	115.98	0.43	2.75	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	117.70	0.44	2.71	1.00	0.03	9.65	119.06	0.45	2.68	1.00	0.03
9.66	122.04	0.47	2.61	1.00	0.03	9.67	122.83	0.48	2.59	1.00	0.03
9.68	123.25	0.48	2.58	1.00	0.03	9.69	124.54	0.49	2.55	1.00	0.03
9.70	123.75	0.49	2.57	1.00	0.03	9.71	121.99	0.47	2.61	1.00	0.03
9.72	120.42	0.46	2.65	1.00	0.03	9.73	118.08	0.44	2.70	1.00	0.03
9.74	116.74	0.43	2.73	1.00	0.03	9.75	114.67	0.42	2.79	1.00	0.03
9.76	113.93	0.42	2.81	1.00	0.03	9.77	47.53	2.00	0.00	1.00	0.00
9.78	45.90	2.00	0.00	1.00	0.00	9.79	44.67	2.00	0.00	1.00	0.00
9.80	44.35	2.00	0.00	1.00	0.00	9.81	45.73	2.00	0.00	1.00	0.00
9.82	111.61	0.40	2.87	1.00	0.03	9.83	113.24	0.41	2.82	1.00	0.03
9.84	116.68	0.43	2.74	1.00	0.03	9.85	117.96	0.44	2.70	1.00	0.03
9.86	118.49	0.45	2.69	1.00	0.03	9.87	118.54	0.45	2.69	1.00	0.03
9.88	116.24	0.43	2.75	1.00	0.03	9.89	114.90	0.42	2.78	1.00	0.03
9.90	113.69	0.42	2.81	1.00	0.03	9.91	111.32	0.40	2.88	1.00	0.03
9.92	111.32	0.40	2.88	1.00	0.03	9.93	111.35	0.40	2.87	1.00	0.03
9.94	110.96	0.40	2.88	1.00	0.03	9.95	111.23	0.40	2.88	1.00	0.03
9.96	111.87	0.41	2.86	1.00	0.03	9.97	112.44	0.41	2.85	1.00	0.03
9.98	113.13	0.41	2.83	1.00	0.03	9.99	114.38	0.42	2.79	1.00	0.03
10.00	114.29	0.42	2.80	1.00	0.03	10.01	114.30	0.42	2.80	1.00	0.03
10.02	113.92	0.42	2.81	1.00	0.03	10.03	113.06	0.41	2.83	1.00	0.03
10.04	112.50	0.41	2.84	1.00	0.03	10.05	111.38	0.40	2.87	1.00	0.03
10.06	110.26	0.40	2.90	1.00	0.03	10.07	109.38	0.39	2.93	1.00	0.03
10.08	44.55	2.00	0.00	1.00	0.00	10.09	44.63	2.00	0.00	1.00	0.00
10.10	45.60	2.00	0.00	1.00	0.00	10.11	45.38	2.00	0.00	1.00	0.00
10.12	44.96	2.00	0.00	1.00	0.00	10.13	44.84	2.00	0.00	1.00	0.00
10.14	44.72	2.00	0.00	1.00	0.00	10.15	44.70	2.00	0.00	1.00	0.00
10.16	108.83	0.39	2.94	1.00	0.03	10.17	110.32	0.40	2.90	1.00	0.03
10.18	110.65	0.40	2.89	1.00	0.03	10.19	110.93	0.40	2.89	1.00	0.03
10.20	111.17	0.40	2.88	1.00	0.03	10.21	111.05	0.40	2.88	1.00	0.03
10.22	110.75	0.40	2.89	1.00	0.03	10.23	110.37	0.40	2.90	1.00	0.03
10.24	110.78	0.40	2.89	1.00	0.03	10.25	111.13	0.40	2.88	1.00	0.03
10.26	112.08	0.41	2.85	1.00	0.03	10.27	113.00	0.41	2.83	1.00	0.03
10.28	114.00	0.42	2.80	1.00	0.03	10.29	114.93	0.43	2.78	1.00	0.03
10.30	115.40	0.43	2.77	1.00	0.03	10.31	114.27	0.42	2.80	1.00	0.03
10.32	113.79	0.42	2.81	1.00	0.03	10.33	112.74	0.41	2.84	1.00	0.03
10.34	112.27	0.41	2.85	1.00	0.03	10.35	111.21	0.40	2.88	1.00	0.03
10.36	111.09	0.40	2.88	1.00	0.03	10.37	111.34	0.41	2.87	1.00	0.03
10.38	111.29	0.41	2.88	1.00	0.03	10.39	111.40	0.41	2.87	1.00	0.03
10.40	111.85	0.41	2.86	1.00	0.03	10.41	114.63	0.43	2.79	1.00	0.03
10.42	115.37	0.43	2.77	1.00	0.03	10.43	115.16	0.43	2.77	1.00	0.03
10.44	115.42	0.43	2.77	1.00	0.03	10.45	114.29	0.42	2.80	1.00	0.03
10.46	113.25	0.42	2.82	1.00	0.03	10.47	112.31	0.41	2.85	1.00	0.03
10.48	112.17	0.41	2.85	1.00	0.03	10.49	111.53	0.41	2.87	1.00	0.03
10.50	109.99	0.40	2.91	1.00	0.03	10.51	109.58	0.40	2.92	1.00	0.03
10.52	109.62	0.40	2.92	1.00	0.03	10.53	108.96	0.39	2.94	1.00	0.03
10.54	108.62	0.39	2.95	1.00	0.03	10.55	108.72	0.39	2.95	1.00	0.03
10.56	108.93	0.39	2.94	1.00	0.03	10.57	109.18	0.39	2.93	1.00	0.03
10.58	110.27	0.40	2.90	1.00	0.03	10.59	110.84	0.40	2.89	1.00	0.03



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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
10.60	111.24	0.41	2.88	1.00	0.03						

**Total estimated settlement: 19.38****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

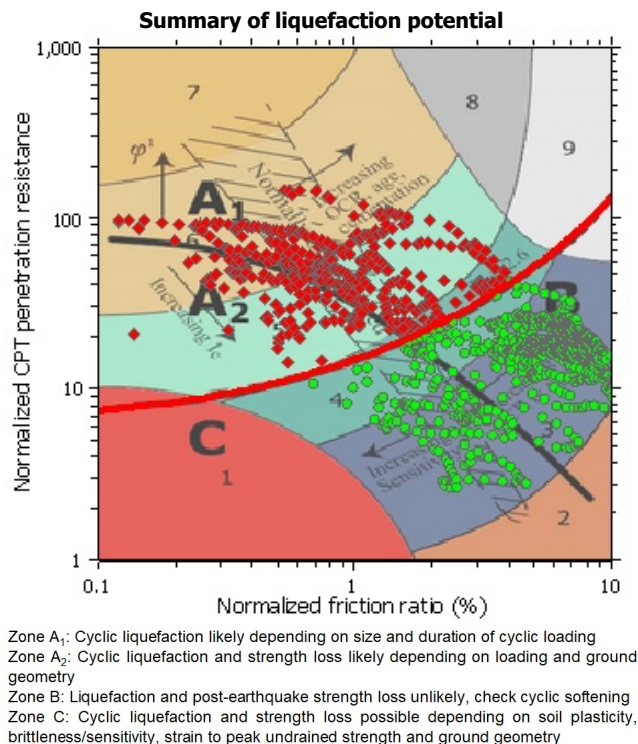
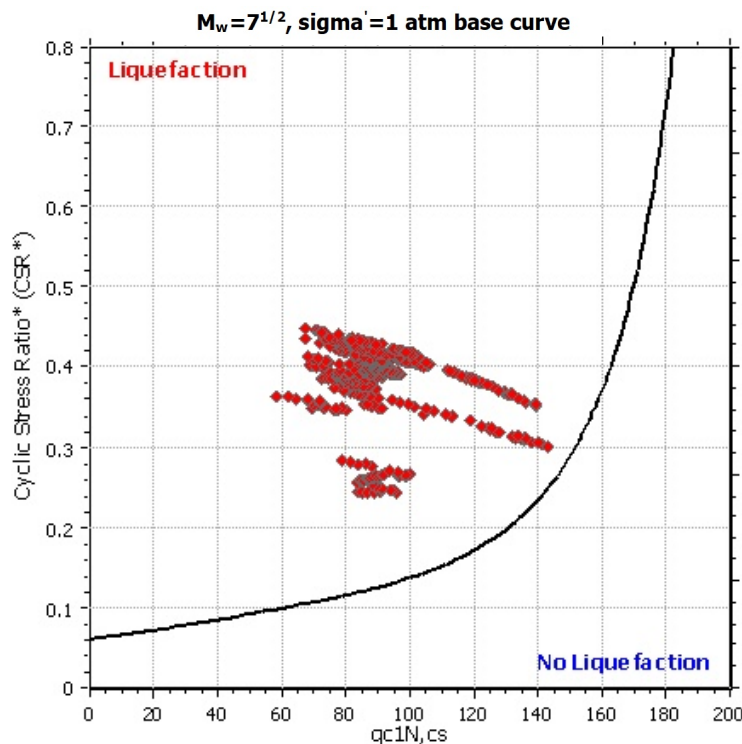
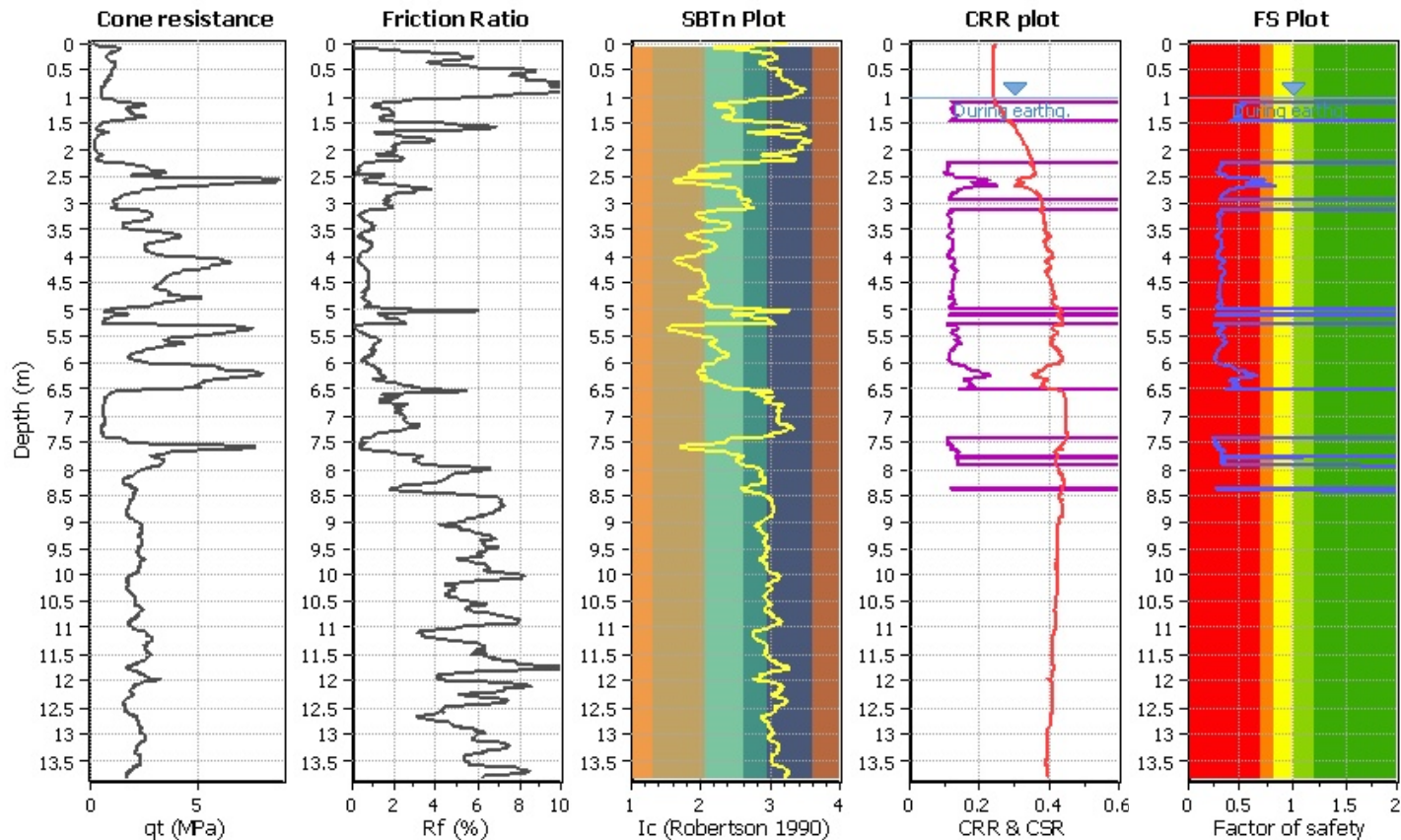
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

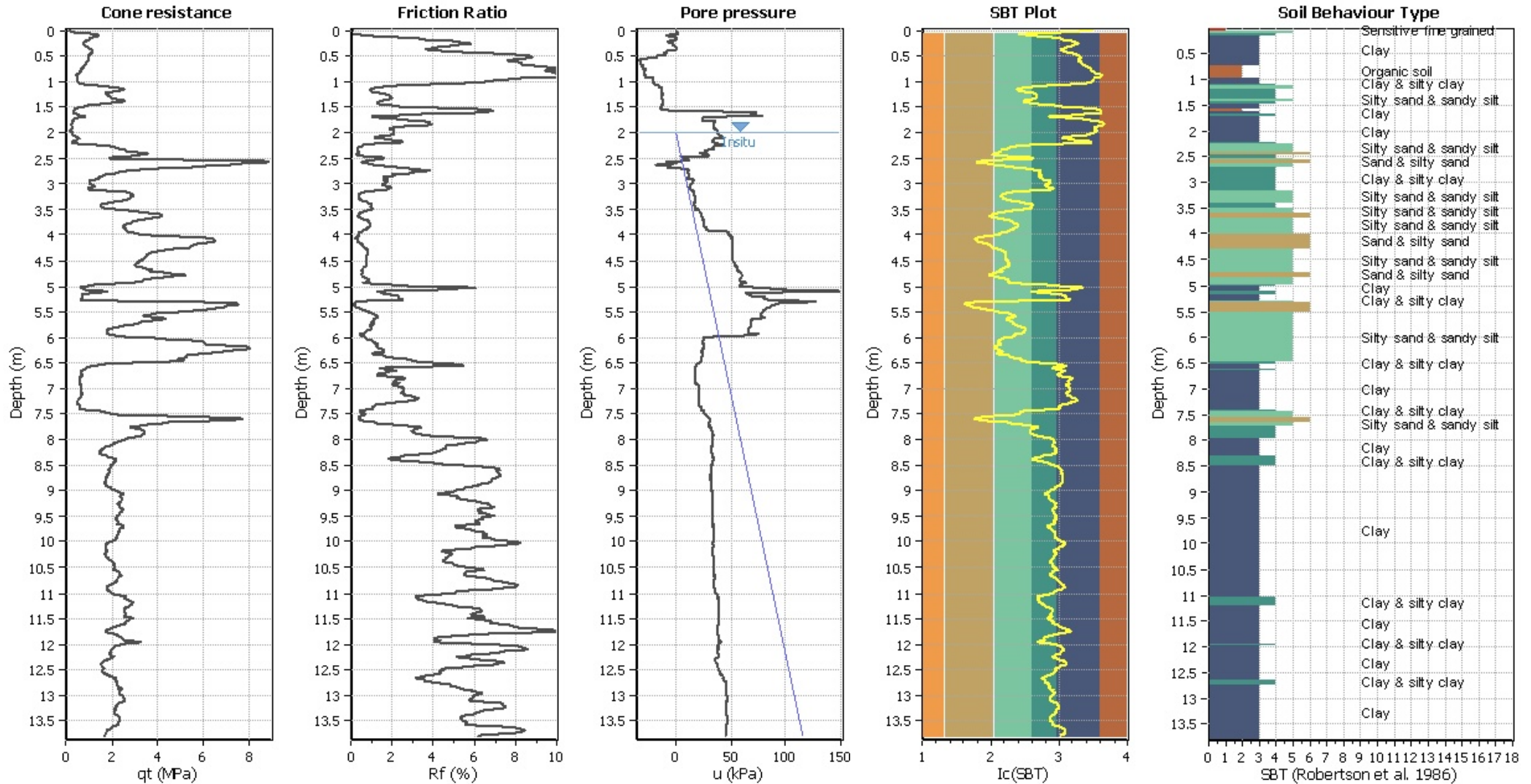
**CPT file : CPTU-13-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_G$ applied:	Yes		



### CPT basic interpretation plo



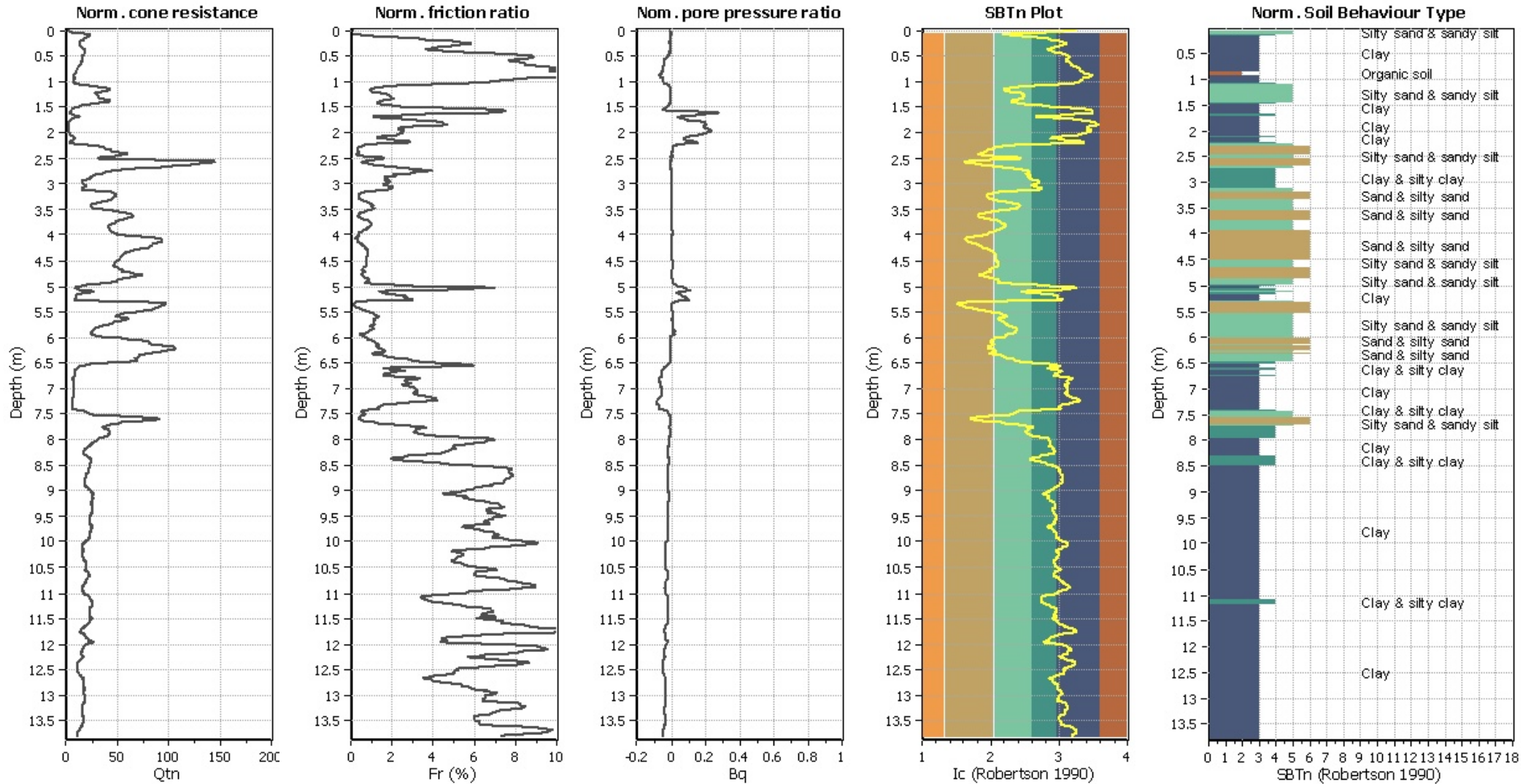
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz



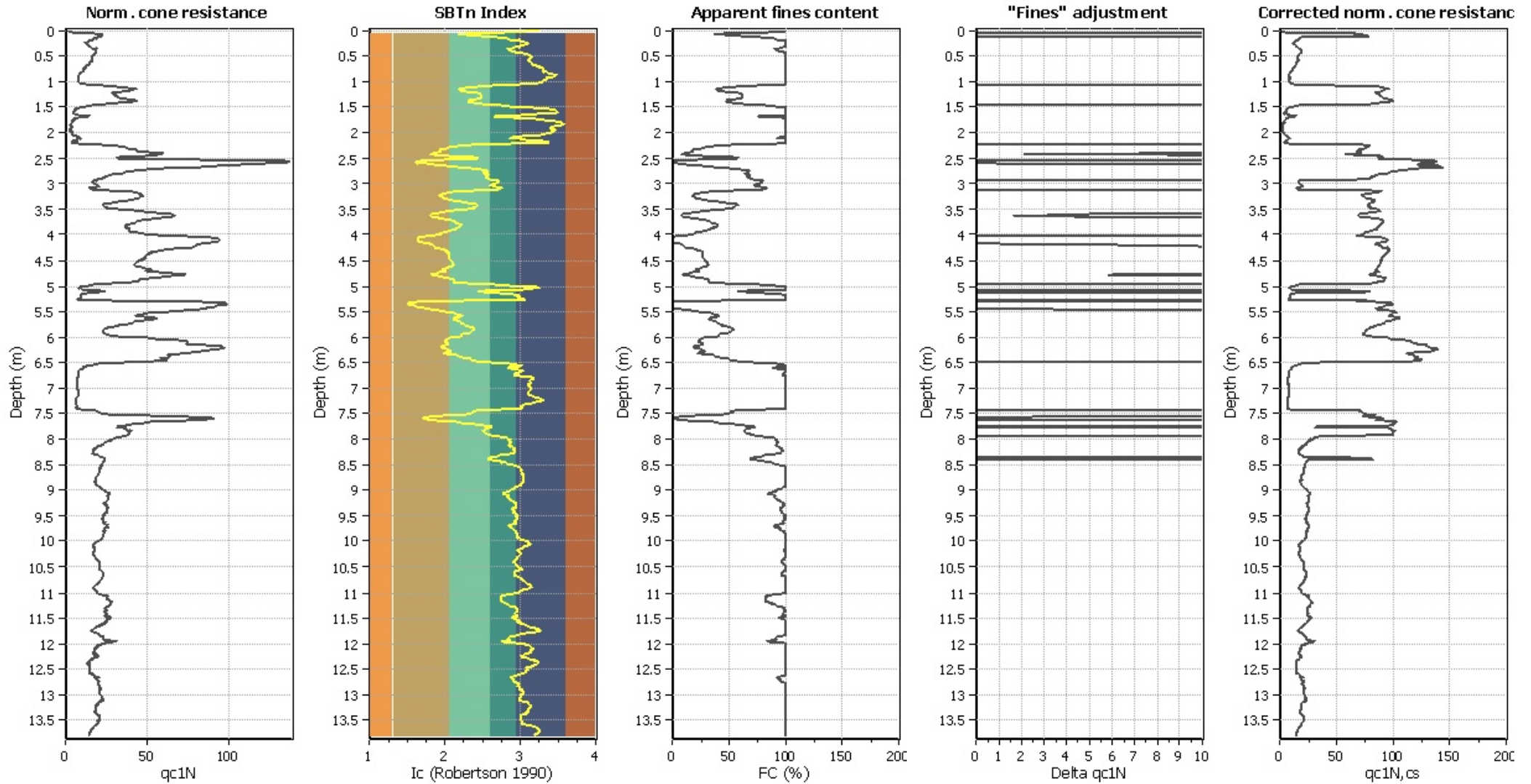
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

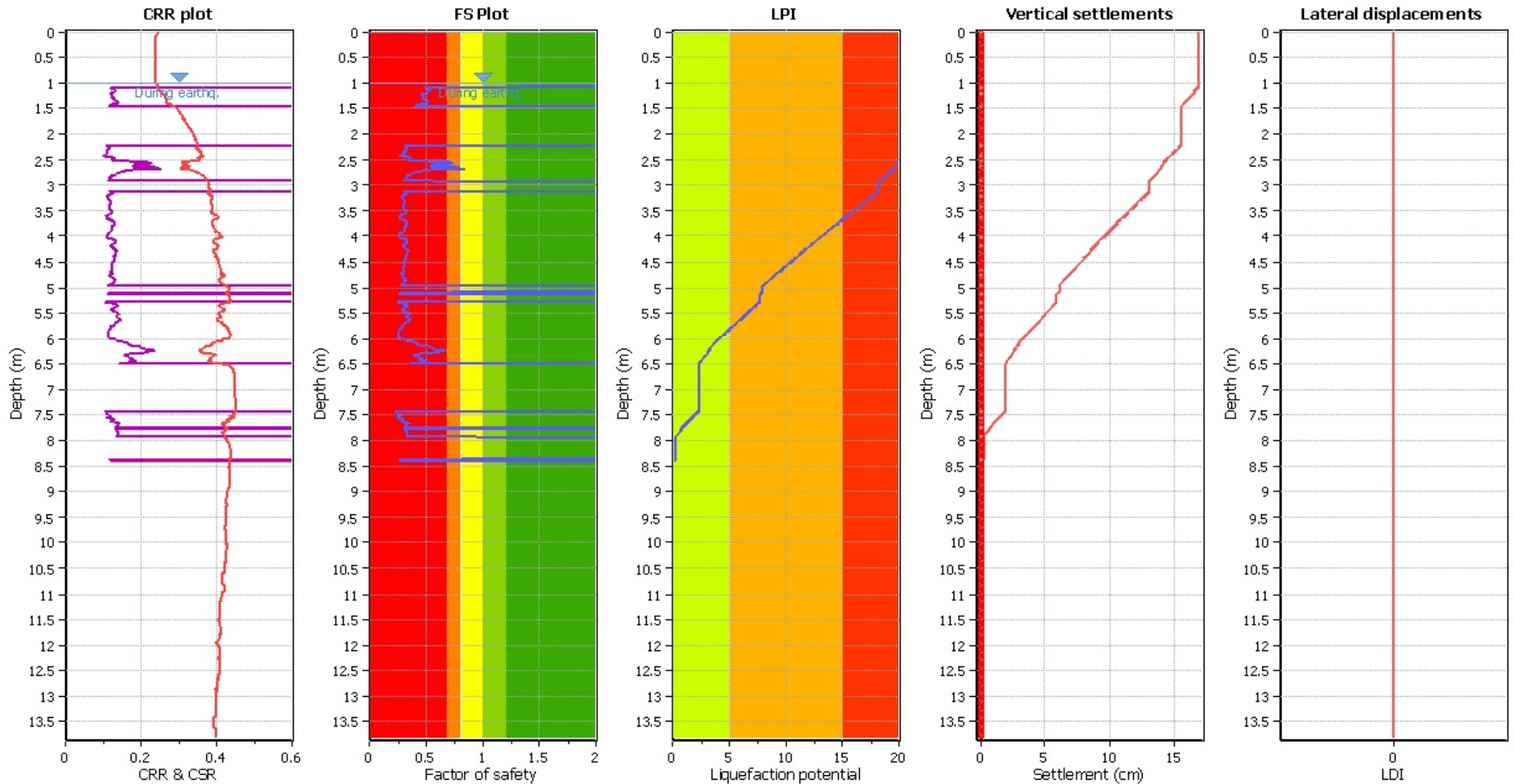
### Liquefaction analysis overall plots (intermediate resu



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

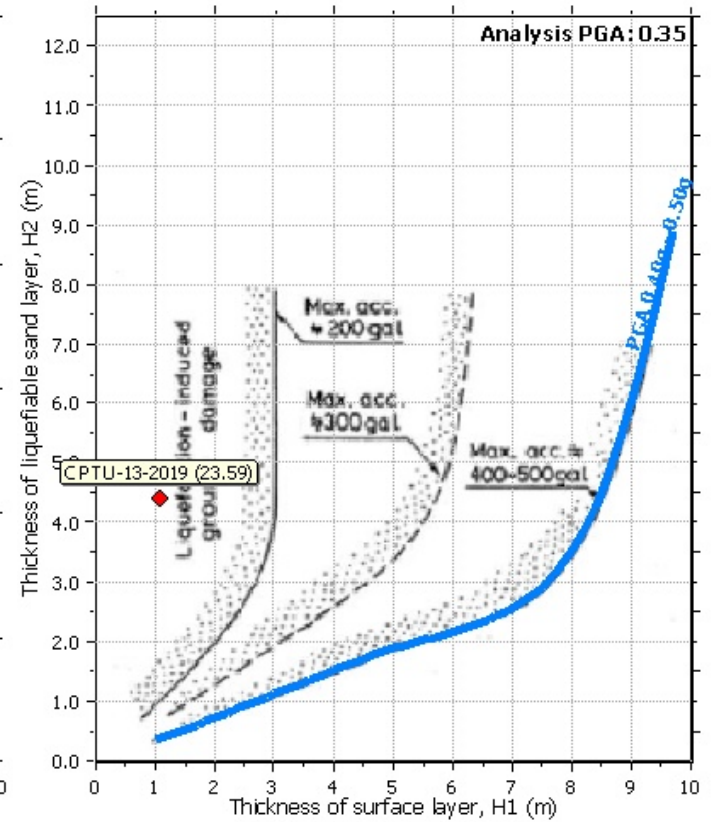
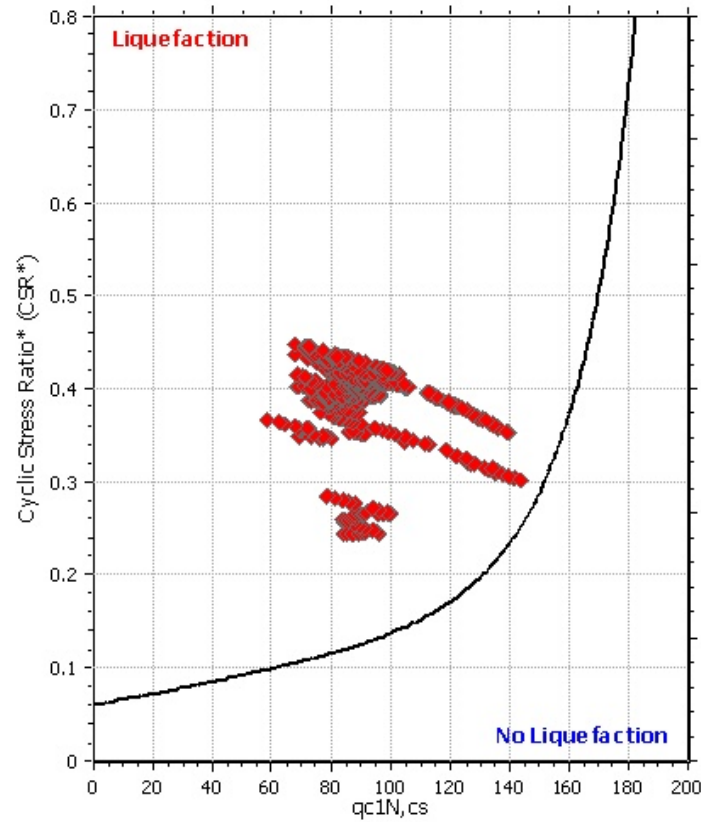
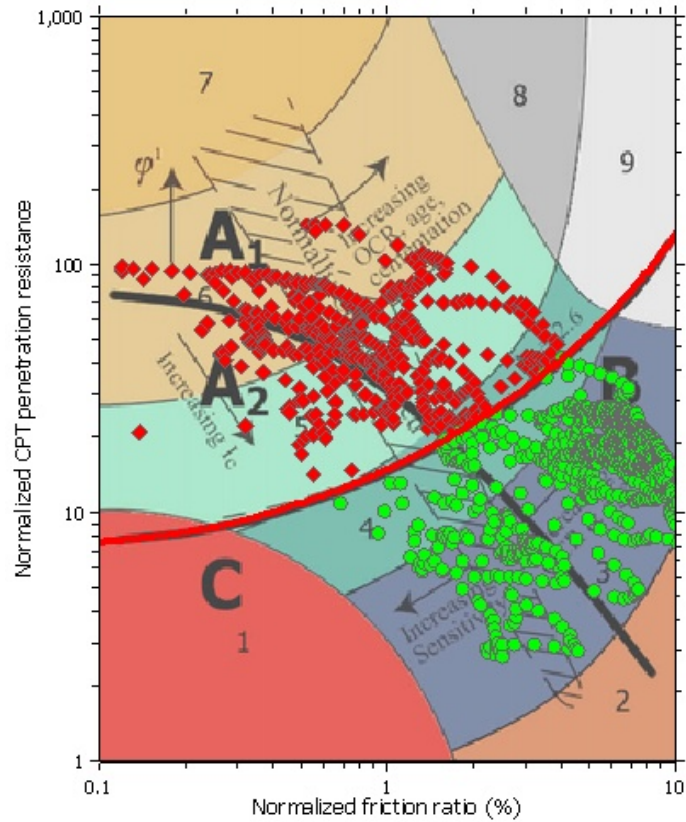
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

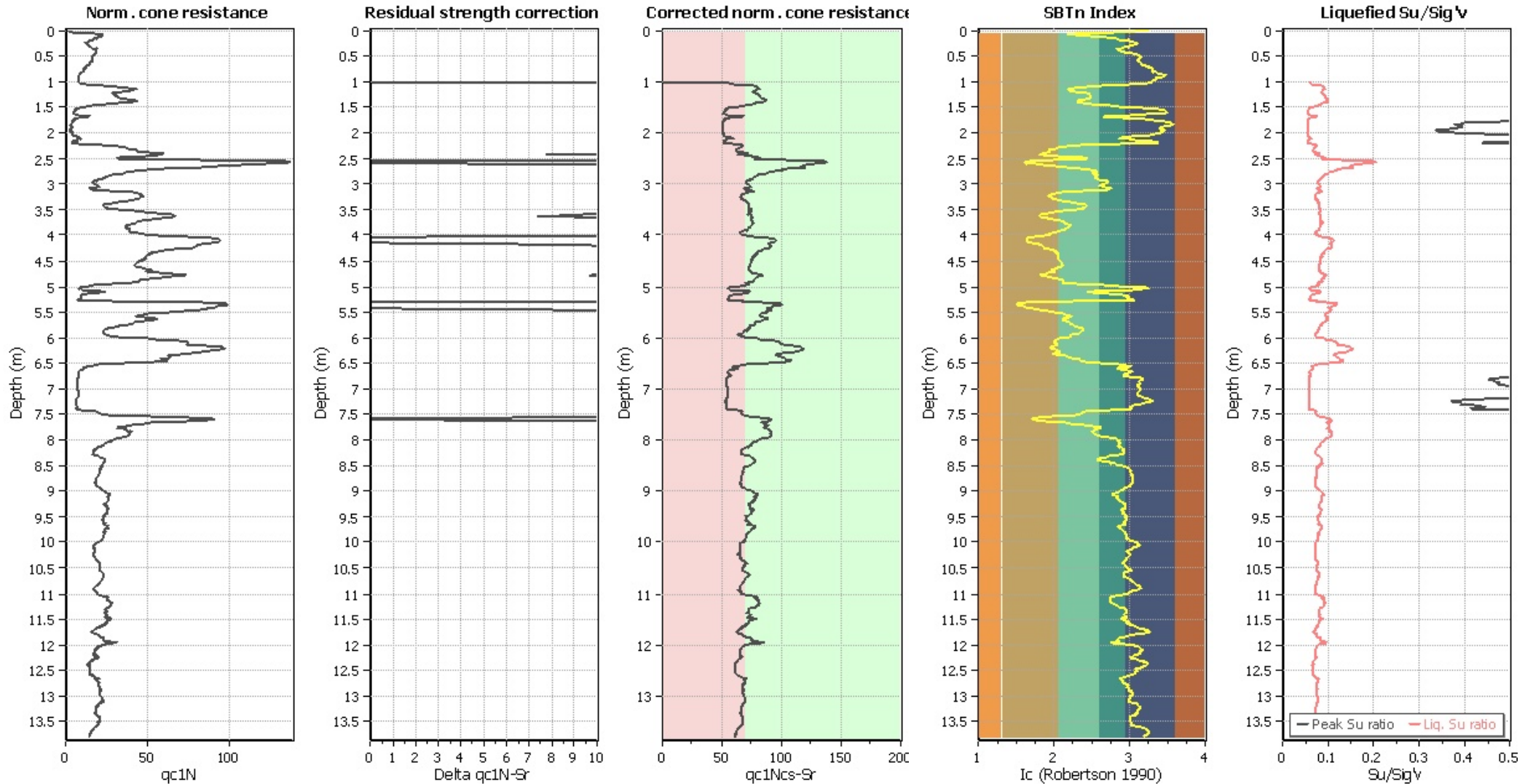
### Liquefaction analysis summary plo



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	0.49	0.51	9.46	0.01	0.05
1.09	0.49	0.51	9.46	0.01	0.05	1.10	0.50	0.50	9.45	0.01	0.05
1.11	0.51	0.49	9.45	0.01	0.05	1.12	0.51	0.49	9.44	0.01	0.05
1.13	0.52	0.48	9.44	0.01	0.05	1.14	0.54	0.46	9.43	0.01	0.04
1.15	0.54	0.46	9.43	0.01	0.04	1.16	0.52	0.48	9.42	0.01	0.04
1.17	0.51	0.49	9.41	0.01	0.05	1.18	0.49	0.51	9.41	0.01	0.05
1.19	0.49	0.51	9.41	0.01	0.05	1.20	0.47	0.53	9.40	0.01	0.05
1.21	0.46	0.54	9.40	0.01	0.05	1.22	0.47	0.53	9.39	0.01	0.05
1.23	0.47	0.53	9.39	0.01	0.05	1.24	0.47	0.53	9.38	0.01	0.05
1.25	0.47	0.53	9.38	0.01	0.05	1.26	0.47	0.53	9.37	0.01	0.05
1.27	0.47	0.53	9.37	0.01	0.05	1.28	0.47	0.53	9.36	0.01	0.05
1.29	0.47	0.53	9.36	0.01	0.05	1.30	0.47	0.53	9.35	0.01	0.05
1.31	0.48	0.52	9.35	0.01	0.05	1.32	0.48	0.52	9.34	0.01	0.05
1.33	0.48	0.52	9.34	0.01	0.05	1.34	0.50	0.50	9.33	0.01	0.05
1.35	0.50	0.50	9.32	0.01	0.05	1.36	0.51	0.49	9.32	0.01	0.05
1.37	0.52	0.48	9.32	0.01	0.05	1.38	0.51	0.49	9.31	0.01	0.05
1.39	0.49	0.51	9.31	0.01	0.05	1.40	0.48	0.52	9.30	0.01	0.05
1.41	0.45	0.55	9.30	0.01	0.05	1.42	0.44	0.56	9.29	0.01	0.05
1.43	0.43	0.57	9.29	0.01	0.05	1.44	0.41	0.59	9.28	0.01	0.05
1.45	0.40	0.60	9.28	0.01	0.06	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	0.31	0.69	8.89	0.01	0.06	2.24	0.32	0.68	8.88	0.01	0.06
2.25	0.32	0.68	8.88	0.01	0.06	2.26	0.33	0.67	8.87	0.01	0.06
2.27	0.33	0.67	8.87	0.01	0.06	2.28	0.33	0.67	8.86	0.01	0.06
2.29	0.32	0.68	8.86	0.01	0.06	2.30	0.31	0.69	8.85	0.01	0.06
2.31	0.31	0.69	8.85	0.01	0.06	2.32	0.30	0.70	8.84	0.01	0.06
2.33	0.30	0.70	8.84	0.01	0.06	2.34	0.30	0.70	8.83	0.01	0.06
2.35	0.30	0.70	8.82	0.01	0.06	2.36	0.30	0.70	8.82	0.01	0.06
2.37	0.30	0.70	8.82	0.01	0.06	2.38	0.31	0.69	8.81	0.01	0.06
2.39	0.30	0.70	8.81	0.01	0.06	2.40	0.30	0.70	8.80	0.01	0.06
2.41	0.29	0.71	8.80	0.01	0.06	2.42	0.28	0.72	8.79	0.01	0.06
2.43	0.27	0.73	8.79	0.01	0.06	2.44	0.28	0.72	8.78	0.01	0.06
2.45	0.36	0.64	8.78	0.01	0.06	2.46	0.34	0.66	8.77	0.01	0.06
2.47	0.36	0.64	8.77	0.01	0.06	2.48	0.35	0.65	8.76	0.01	0.06
2.49	0.35	0.65	8.76	0.01	0.06	2.50	0.35	0.65	8.75	0.01	0.06
2.51	0.35	0.65	8.74	0.01	0.06	2.52	0.42	0.58	8.74	0.01	0.05
2.53	0.59	0.41	8.74	0.01	0.04	2.54	0.57	0.43	8.73	0.01	0.04
2.55	0.70	0.30	8.73	0.01	0.03	2.56	0.69	0.31	8.72	0.01	0.03
2.57	0.66	0.34	8.72	0.01	0.03	2.58	0.74	0.26	8.71	0.01	0.02
2.59	0.65	0.35	8.71	0.01	0.03	2.60	0.60	0.40	8.70	0.01	0.03
2.61	0.56	0.44	8.70	0.01	0.04	2.62	0.54	0.46	8.69	0.01	0.04
2.63	0.70	0.30	8.69	0.01	0.03	2.64	0.71	0.29	8.68	0.01	0.03
2.65	0.79	0.21	8.68	0.01	0.02	2.66	0.76	0.24	8.67	0.01	0.02
2.67	0.83	0.17	8.66	0.01	0.01	2.68	0.67	0.33	8.66	0.01	0.03
2.69	0.57	0.43	8.66	0.01	0.04	2.70	0.51	0.49	8.65	0.01	0.04
2.71	0.51	0.49	8.65	0.01	0.04	2.72	0.46	0.54	8.64	0.01	0.05
2.73	0.45	0.55	8.64	0.01	0.05	2.74	0.43	0.57	8.63	0.01	0.05
2.75	0.41	0.59	8.63	0.01	0.05	2.76	0.40	0.60	8.62	0.01	0.05
2.77	0.39	0.61	8.62	0.01	0.05	2.78	0.38	0.62	8.61	0.01	0.05
2.79	0.37	0.63	8.61	0.01	0.05	2.80	0.35	0.65	8.60	0.01	0.06
2.81	0.34	0.66	8.60	0.01	0.06	2.82	0.33	0.67	8.59	0.01	0.06
2.83	0.33	0.67	8.59	0.01	0.06	2.84	0.32	0.68	8.58	0.01	0.06
2.85	0.32	0.68	8.57	0.01	0.06	2.86	0.32	0.68	8.57	0.01	0.06
2.87	0.31	0.69	8.57	0.01	0.06	2.88	0.31	0.69	8.56	0.01	0.06

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.31	0.69	8.56	0.01	0.06	2.90	0.31	0.69	8.55	0.01	0.06
2.91	0.31	0.69	8.55	0.01	0.06	2.92	0.30	0.70	8.54	0.01	0.06
2.93	2.00	0.00	8.54	0.01	0.00	2.94	2.00	0.00	8.53	0.01	0.00
2.95	2.00	0.00	8.53	0.01	0.00	2.96	2.00	0.00	8.52	0.01	0.00
2.97	2.00	0.00	8.52	0.01	0.00	2.98	2.00	0.00	8.51	0.01	0.00
2.99	2.00	0.00	8.51	0.01	0.00	3.00	2.00	0.00	8.50	0.01	0.00
3.01	2.00	0.00	8.49	0.01	0.00	3.02	2.00	0.00	8.49	0.01	0.00
3.03	2.00	0.00	8.49	0.01	0.00	3.04	2.00	0.00	8.48	0.01	0.00
3.05	2.00	0.00	8.48	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	2.00	0.00	8.47	0.01	0.00	3.08	2.00	0.00	8.46	0.01	0.00
3.09	2.00	0.00	8.46	0.01	0.00	3.10	2.00	0.00	8.45	0.01	0.00
3.11	2.00	0.00	8.45	0.01	0.00	3.12	0.30	0.70	8.44	0.01	0.06
3.13	0.31	0.69	8.44	0.01	0.06	3.14	0.34	0.66	8.43	0.01	0.06
3.15	0.33	0.67	8.43	0.01	0.06	3.16	0.33	0.67	8.42	0.01	0.06
3.17	0.32	0.68	8.41	0.01	0.06	3.18	0.31	0.69	8.41	0.01	0.06
3.19	0.30	0.70	8.41	0.01	0.06	3.20	0.29	0.71	8.40	0.01	0.06
3.21	0.28	0.72	8.40	0.01	0.06	3.22	0.28	0.72	8.39	0.01	0.06
3.23	0.28	0.72	8.39	0.01	0.06	3.24	0.28	0.72	8.38	0.01	0.06
3.25	0.28	0.72	8.38	0.01	0.06	3.26	0.29	0.71	8.37	0.01	0.06
3.27	0.29	0.71	8.37	0.01	0.06	3.28	0.29	0.71	8.36	0.01	0.06
3.29	0.30	0.70	8.36	0.01	0.06	3.30	0.30	0.70	8.35	0.01	0.06
3.31	0.31	0.69	8.35	0.01	0.06	3.32	0.31	0.69	8.34	0.01	0.06
3.33	0.31	0.69	8.34	0.01	0.06	3.34	0.31	0.69	8.33	0.01	0.06
3.35	0.31	0.69	8.32	0.01	0.06	3.36	0.31	0.69	8.32	0.01	0.06
3.37	0.30	0.70	8.32	0.01	0.06	3.38	0.30	0.70	8.31	0.01	0.06
3.39	0.30	0.70	8.31	0.01	0.06	3.40	0.29	0.71	8.30	0.01	0.06
3.41	0.29	0.71	8.30	0.01	0.06	3.42	0.29	0.71	8.29	0.01	0.06
3.43	0.29	0.71	8.29	0.01	0.06	3.44	0.29	0.71	8.28	0.01	0.06
3.45	0.29	0.71	8.28	0.01	0.06	3.46	0.30	0.70	8.27	0.01	0.06
3.47	0.30	0.70	8.27	0.01	0.06	3.48	0.30	0.70	8.26	0.01	0.06
3.49	0.31	0.69	8.26	0.01	0.06	3.50	0.32	0.68	8.25	0.01	0.06
3.51	0.32	0.68	8.24	0.01	0.06	3.52	0.32	0.68	8.24	0.01	0.06
3.53	0.32	0.68	8.24	0.01	0.06	3.54	0.31	0.69	8.23	0.01	0.06
3.55	0.31	0.69	8.23	0.01	0.06	3.56	0.30	0.70	8.22	0.01	0.06
3.57	0.29	0.71	8.22	0.01	0.06	3.58	0.28	0.72	8.21	0.01	0.06
3.59	0.28	0.72	8.21	0.01	0.06	3.60	0.27	0.73	8.20	0.01	0.06
3.61	0.27	0.73	8.20	0.01	0.06	3.62	0.26	0.74	8.19	0.01	0.06
3.63	0.26	0.74	8.19	0.01	0.06	3.64	0.27	0.73	8.18	0.01	0.06
3.65	0.28	0.72	8.18	0.01	0.06	3.66	0.29	0.71	8.17	0.01	0.06
3.67	0.30	0.70	8.16	0.01	0.06	3.68	0.31	0.69	8.16	0.01	0.06
3.69	0.31	0.69	8.16	0.01	0.06	3.70	0.32	0.68	8.15	0.01	0.06
3.71	0.32	0.68	8.15	0.01	0.06	3.72	0.33	0.67	8.14	0.01	0.05
3.73	0.33	0.67	8.14	0.01	0.05	3.74	0.33	0.67	8.13	0.01	0.05
3.75	0.33	0.67	8.13	0.01	0.05	3.76	0.33	0.67	8.12	0.01	0.05
3.77	0.32	0.68	8.12	0.01	0.05	3.78	0.32	0.68	8.11	0.01	0.05
3.79	0.32	0.68	8.11	0.01	0.06	3.80	0.32	0.68	8.10	0.01	0.06
3.81	0.32	0.68	8.10	0.01	0.06	3.82	0.31	0.69	8.09	0.01	0.06
3.83	0.31	0.69	8.09	0.01	0.06	3.84	0.31	0.69	8.08	0.01	0.06

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.31	0.69	8.07	0.01	0.06	3.86	0.31	0.69	8.07	0.01	0.06
3.87	0.31	0.69	8.07	0.01	0.06	3.88	0.31	0.69	8.06	0.01	0.06
3.89	0.31	0.69	8.06	0.01	0.06	3.90	0.31	0.69	8.05	0.01	0.06
3.91	0.30	0.70	8.05	0.01	0.06	3.92	0.28	0.72	8.04	0.01	0.06
3.93	0.27	0.73	8.04	0.01	0.06	3.94	0.27	0.73	8.03	0.01	0.06
3.95	0.27	0.73	8.03	0.01	0.06	3.96	0.27	0.73	8.02	0.01	0.06
3.97	0.27	0.73	8.02	0.01	0.06	3.98	0.27	0.73	8.01	0.01	0.06
3.99	0.27	0.73	8.01	0.01	0.06	4.00	0.26	0.74	8.00	0.01	0.06
4.01	0.26	0.74	8.00	0.01	0.06	4.02	0.26	0.74	7.99	0.01	0.06
4.03	0.26	0.74	7.99	0.01	0.06	4.04	0.29	0.71	7.98	0.01	0.06
4.05	0.30	0.70	7.98	0.01	0.06	4.06	0.32	0.68	7.97	0.01	0.05
4.07	0.32	0.68	7.97	0.01	0.05	4.08	0.33	0.67	7.96	0.01	0.05
4.09	0.33	0.67	7.96	0.01	0.05	4.10	0.33	0.67	7.95	0.01	0.05
4.11	0.33	0.67	7.95	0.01	0.05	4.12	0.33	0.67	7.94	0.01	0.05
4.13	0.33	0.67	7.94	0.01	0.05	4.14	0.32	0.68	7.93	0.01	0.05
4.15	0.31	0.69	7.93	0.01	0.05	4.16	0.30	0.70	7.92	0.01	0.06
4.17	0.30	0.70	7.92	0.01	0.06	4.18	0.30	0.70	7.91	0.01	0.06
4.19	0.30	0.70	7.91	0.01	0.06	4.20	0.30	0.70	7.90	0.01	0.05
4.21	0.31	0.69	7.90	0.01	0.05	4.22	0.31	0.69	7.89	0.01	0.05
4.23	0.31	0.69	7.89	0.01	0.05	4.24	0.32	0.68	7.88	0.01	0.05
4.25	0.32	0.68	7.88	0.01	0.05	4.26	0.33	0.67	7.87	0.01	0.05
4.27	0.33	0.67	7.87	0.01	0.05	4.28	0.34	0.66	7.86	0.01	0.05
4.29	0.34	0.66	7.86	0.01	0.05	4.30	0.34	0.66	7.85	0.01	0.05
4.31	0.34	0.66	7.85	0.01	0.05	4.32	0.34	0.66	7.84	0.01	0.05
4.33	0.33	0.67	7.84	0.01	0.05	4.34	0.33	0.67	7.83	0.01	0.05
4.35	0.33	0.67	7.83	0.01	0.05	4.36	0.33	0.67	7.82	0.01	0.05
4.37	0.33	0.67	7.82	0.01	0.05	4.38	0.33	0.67	7.81	0.01	0.05
4.39	0.32	0.68	7.81	0.01	0.05	4.40	0.32	0.68	7.80	0.01	0.05
4.41	0.32	0.68	7.80	0.01	0.05	4.42	0.32	0.68	7.79	0.01	0.05
4.43	0.32	0.68	7.79	0.01	0.05	4.44	0.32	0.68	7.78	0.01	0.05
4.45	0.31	0.69	7.78	0.01	0.05	4.46	0.31	0.69	7.77	0.01	0.05
4.47	0.31	0.69	7.77	0.01	0.05	4.48	0.31	0.69	7.76	0.01	0.05
4.49	0.31	0.69	7.76	0.01	0.05	4.50	0.31	0.69	7.75	0.01	0.05
4.51	0.31	0.69	7.75	0.01	0.05	4.52	0.31	0.69	7.74	0.01	0.05
4.53	0.31	0.69	7.74	0.01	0.05	4.54	0.31	0.69	7.73	0.01	0.05
4.55	0.31	0.69	7.73	0.01	0.05	4.56	0.30	0.70	7.72	0.01	0.05
4.57	0.30	0.70	7.72	0.01	0.05	4.58	0.30	0.70	7.71	0.01	0.05
4.59	0.30	0.70	7.71	0.01	0.05	4.60	0.30	0.70	7.70	0.01	0.05
4.61	0.30	0.70	7.70	0.01	0.05	4.62	0.30	0.70	7.69	0.01	0.05
4.63	0.30	0.70	7.69	0.01	0.05	4.64	0.30	0.70	7.68	0.01	0.05
4.65	0.30	0.70	7.68	0.01	0.05	4.66	0.29	0.71	7.67	0.01	0.05
4.67	0.29	0.71	7.67	0.01	0.05	4.68	0.29	0.71	7.66	0.01	0.05
4.69	0.29	0.71	7.66	0.01	0.05	4.70	0.30	0.70	7.65	0.01	0.05
4.71	0.30	0.70	7.65	0.01	0.05	4.72	0.30	0.70	7.64	0.01	0.05
4.73	0.30	0.70	7.64	0.01	0.05	4.74	0.29	0.71	7.63	0.01	0.05
4.75	0.29	0.71	7.63	0.01	0.05	4.76	0.28	0.72	7.62	0.01	0.06
4.77	0.28	0.72	7.62	0.01	0.06	4.78	0.28	0.72	7.61	0.01	0.06
4.79	0.28	0.72	7.61	0.01	0.05	4.80	0.29	0.71	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.30	0.70	7.60	0.01	0.05	4.82	0.31	0.69	7.59	0.01	0.05
4.83	0.31	0.69	7.59	0.01	0.05	4.84	0.32	0.68	7.58	0.01	0.05
4.85	0.32	0.68	7.58	0.01	0.05	4.86	0.31	0.69	7.57	0.01	0.05
4.87	0.32	0.68	7.57	0.01	0.05	4.88	0.31	0.69	7.56	0.01	0.05
4.89	0.31	0.69	7.56	0.01	0.05	4.90	0.31	0.69	7.55	0.01	0.05
4.91	0.31	0.69	7.55	0.01	0.05	4.92	0.29	0.71	7.54	0.01	0.05
4.93	0.29	0.71	7.54	0.01	0.05	4.94	0.29	0.71	7.53	0.01	0.05
4.95	0.27	0.73	7.53	0.01	0.05	4.96	0.27	0.73	7.52	0.01	0.06
4.97	2.00	0.00	7.52	0.01	0.00	4.98	2.00	0.00	7.51	0.01	0.00
4.99	2.00	0.00	7.51	0.01	0.00	5.00	2.00	0.00	7.50	0.01	0.00
5.01	2.00	0.00	7.50	0.01	0.00	5.02	2.00	0.00	7.49	0.01	0.00
5.03	2.00	0.00	7.49	0.01	0.00	5.04	2.00	0.00	7.48	0.01	0.00
5.05	2.00	0.00	7.48	0.01	0.00	5.06	2.00	0.00	7.47	0.01	0.00
5.07	2.00	0.00	7.47	0.01	0.00	5.08	2.00	0.00	7.46	0.01	0.00
5.09	0.27	0.73	7.46	0.01	0.05	5.10	0.27	0.73	7.45	0.01	0.05
5.11	0.27	0.73	7.45	0.01	0.05	5.12	0.26	0.74	7.44	0.01	0.05
5.13	2.00	0.00	7.44	0.01	0.00	5.14	2.00	0.00	7.43	0.01	0.00
5.15	2.00	0.00	7.43	0.01	0.00	5.16	2.00	0.00	7.42	0.01	0.00
5.17	2.00	0.00	7.42	0.01	0.00	5.18	2.00	0.00	7.41	0.01	0.00
5.19	2.00	0.00	7.41	0.01	0.00	5.20	2.00	0.00	7.40	0.01	0.00
5.21	2.00	0.00	7.40	0.01	0.00	5.22	2.00	0.00	7.39	0.01	0.00
5.23	2.00	0.00	7.39	0.01	0.00	5.24	2.00	0.00	7.38	0.01	0.00
5.25	2.00	0.00	7.38	0.01	0.00	5.26	2.00	0.00	7.37	0.01	0.00
5.27	2.00	0.00	7.37	0.01	0.00	5.28	0.25	0.75	7.36	0.01	0.06
5.29	0.27	0.73	7.36	0.01	0.05	5.30	0.24	0.76	7.35	0.01	0.06
5.31	0.27	0.73	7.35	0.01	0.05	5.32	0.32	0.68	7.34	0.01	0.05
5.33	0.33	0.67	7.34	0.01	0.05	5.34	0.34	0.66	7.33	0.01	0.05
5.35	0.34	0.66	7.33	0.01	0.05	5.36	0.34	0.66	7.32	0.01	0.05
5.37	0.33	0.67	7.32	0.01	0.05	5.38	0.32	0.68	7.31	0.01	0.05
5.39	0.31	0.69	7.31	0.01	0.05	5.40	0.31	0.69	7.30	0.01	0.05
5.41	0.30	0.70	7.30	0.01	0.05	5.42	0.29	0.71	7.29	0.01	0.05
5.43	0.29	0.71	7.29	0.01	0.05	5.44	0.29	0.71	7.28	0.01	0.05
5.45	0.28	0.72	7.28	0.01	0.05	5.46	0.29	0.71	7.27	0.01	0.05
5.47	0.30	0.70	7.27	0.01	0.05	5.48	0.32	0.68	7.26	0.01	0.05
5.49	0.33	0.67	7.26	0.01	0.05	5.50	0.34	0.66	7.25	0.01	0.05
5.51	0.34	0.66	7.25	0.01	0.05	5.52	0.35	0.65	7.24	0.01	0.05
5.53	0.34	0.66	7.24	0.01	0.05	5.54	0.34	0.66	7.23	0.01	0.05
5.55	0.33	0.67	7.23	0.01	0.05	5.56	0.33	0.67	7.22	0.01	0.05
5.57	0.32	0.68	7.22	0.01	0.05	5.58	0.32	0.68	7.21	0.01	0.05
5.59	0.33	0.67	7.21	0.01	0.05	5.60	0.34	0.66	7.20	0.01	0.05
5.61	0.35	0.65	7.20	0.01	0.05	5.62	0.36	0.64	7.19	0.01	0.05
5.63	0.36	0.64	7.19	0.01	0.05	5.64	0.36	0.64	7.18	0.01	0.05
5.65	0.35	0.65	7.18	0.01	0.05	5.66	0.34	0.66	7.17	0.01	0.05
5.67	0.34	0.66	7.17	0.01	0.05	5.68	0.33	0.67	7.16	0.01	0.05
5.69	0.33	0.67	7.16	0.01	0.05	5.70	0.32	0.68	7.15	0.01	0.05
5.71	0.31	0.69	7.15	0.01	0.05	5.72	0.31	0.69	7.14	0.01	0.05
5.73	0.30	0.70	7.14	0.01	0.05	5.74	0.30	0.70	7.13	0.01	0.05
5.75	0.29	0.71	7.13	0.01	0.05	5.76	0.29	0.71	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.28	0.72	7.12	0.01	0.05	5.78	0.28	0.72	7.11	0.01	0.05
5.79	0.28	0.72	7.11	0.01	0.05	5.80	0.28	0.72	7.10	0.01	0.05
5.81	0.27	0.73	7.10	0.01	0.05	5.82	0.27	0.73	7.09	0.01	0.05
5.83	0.27	0.73	7.09	0.01	0.05	5.84	0.27	0.73	7.08	0.01	0.05
5.85	0.26	0.74	7.08	0.01	0.05	5.86	0.26	0.74	7.07	0.01	0.05
5.87	0.26	0.74	7.07	0.01	0.05	5.88	0.26	0.74	7.06	0.01	0.05
5.89	0.26	0.74	7.06	0.01	0.05	5.90	0.26	0.74	7.05	0.01	0.05
5.91	0.26	0.74	7.05	0.01	0.05	5.92	0.25	0.75	7.04	0.01	0.05
5.93	0.25	0.75	7.04	0.01	0.05	5.94	0.25	0.75	7.03	0.01	0.05
5.95	0.25	0.75	7.03	0.01	0.05	5.96	0.26	0.74	7.02	0.01	0.05
5.97	0.26	0.74	7.02	0.01	0.05	5.98	0.27	0.73	7.01	0.01	0.05
5.99	0.27	0.73	7.01	0.01	0.05	6.00	0.27	0.73	7.00	0.01	0.05
6.01	0.29	0.71	7.00	0.01	0.05	6.02	0.31	0.69	6.99	0.01	0.05
6.03	0.32	0.68	6.99	0.01	0.05	6.04	0.34	0.66	6.98	0.01	0.05
6.05	0.36	0.64	6.98	0.01	0.04	6.06	0.39	0.61	6.97	0.01	0.04
6.07	0.40	0.60	6.97	0.01	0.04	6.08	0.41	0.59	6.96	0.01	0.04
6.09	0.42	0.58	6.96	0.01	0.04	6.10	0.43	0.57	6.95	0.01	0.04
6.11	0.43	0.57	6.95	0.01	0.04	6.12	0.44	0.56	6.94	0.01	0.04
6.13	0.45	0.55	6.94	0.01	0.04	6.14	0.46	0.54	6.93	0.01	0.04
6.15	0.47	0.53	6.93	0.01	0.04	6.16	0.53	0.47	6.92	0.01	0.03
6.17	0.53	0.47	6.92	0.01	0.03	6.18	0.55	0.45	6.91	0.01	0.03
6.19	0.55	0.45	6.91	0.01	0.03	6.20	0.58	0.42	6.90	0.01	0.03
6.21	0.62	0.38	6.90	0.01	0.03	6.22	0.65	0.35	6.89	0.01	0.02
6.23	0.66	0.34	6.89	0.01	0.02	6.24	0.66	0.34	6.88	0.01	0.02
6.25	0.66	0.34	6.88	0.01	0.02	6.26	0.61	0.39	6.87	0.01	0.03
6.27	0.58	0.42	6.87	0.01	0.03	6.28	0.56	0.44	6.86	0.01	0.03
6.29	0.51	0.49	6.86	0.01	0.03	6.30	0.45	0.55	6.85	0.01	0.04
6.31	0.40	0.60	6.85	0.01	0.04	6.32	0.39	0.61	6.84	0.01	0.04
6.33	0.39	0.61	6.84	0.01	0.04	6.34	0.40	0.60	6.83	0.01	0.04
6.35	0.42	0.58	6.83	0.01	0.04	6.36	0.42	0.58	6.82	0.01	0.04
6.37	0.44	0.56	6.82	0.01	0.04	6.38	0.45	0.55	6.81	0.01	0.04
6.39	0.46	0.54	6.81	0.01	0.04	6.40	0.46	0.54	6.80	0.01	0.04
6.41	0.45	0.55	6.80	0.01	0.04	6.42	0.44	0.56	6.79	0.01	0.04
6.43	0.45	0.55	6.79	0.01	0.04	6.44	0.47	0.53	6.78	0.01	0.04
6.45	0.49	0.51	6.78	0.01	0.03	6.46	0.48	0.52	6.77	0.01	0.04
6.47	0.44	0.56	6.77	0.01	0.04	6.48	0.40	0.60	6.76	0.01	0.04
6.49	0.36	0.64	6.76	0.01	0.04	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	0.24	0.76	6.29	0.01	0.05	7.44	0.24	0.76	6.28	0.01	0.05
7.45	0.24	0.76	6.28	0.01	0.05	7.46	0.24	0.76	6.27	0.01	0.05
7.47	0.25	0.75	6.27	0.01	0.05	7.48	0.25	0.75	6.26	0.01	0.05
7.49	0.25	0.75	6.26	0.01	0.05	7.50	0.25	0.75	6.25	0.01	0.05
7.51	0.26	0.74	6.25	0.01	0.05	7.52	0.27	0.73	6.24	0.01	0.05
7.53	0.28	0.72	6.24	0.01	0.05	7.54	0.27	0.73	6.23	0.01	0.05
7.55	0.25	0.75	6.23	0.01	0.05	7.56	0.27	0.73	6.22	0.01	0.05
7.57	0.28	0.72	6.22	0.01	0.04	7.58	0.29	0.71	6.21	0.01	0.04
7.59	0.30	0.70	6.21	0.01	0.04	7.60	0.30	0.70	6.20	0.01	0.04
7.61	0.29	0.71	6.20	0.01	0.04	7.62	0.28	0.72	6.19	0.01	0.04
7.63	0.28	0.72	6.19	0.01	0.04	7.64	0.29	0.71	6.18	0.01	0.04
7.65	0.33	0.67	6.18	0.01	0.04	7.66	0.33	0.67	6.17	0.01	0.04
7.67	0.34	0.66	6.17	0.01	0.04	7.68	0.33	0.67	6.16	0.01	0.04



:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	0.33	0.67	6.16	0.01	0.04	7.70	0.33	0.67	6.15	0.01	0.04
7.71	0.33	0.67	6.15	0.01	0.04	7.72	0.32	0.68	6.14	0.01	0.04
7.73	0.32	0.68	6.14	0.01	0.04	7.74	0.31	0.69	6.13	0.01	0.04
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	0.31	0.69	6.11	0.01	0.04
7.79	0.32	0.68	6.11	0.01	0.04	7.80	0.32	0.68	6.10	0.01	0.04
7.81	0.32	0.68	6.10	0.01	0.04	7.82	0.32	0.68	6.09	0.01	0.04
7.83	0.33	0.67	6.09	0.01	0.04	7.84	0.33	0.67	6.08	0.01	0.04
7.85	0.33	0.67	6.08	0.01	0.04	7.86	0.33	0.67	6.07	0.01	0.04
7.87	0.33	0.67	6.07	0.01	0.04	7.88	0.33	0.67	6.06	0.01	0.04
7.89	0.33	0.67	6.06	0.01	0.04	7.90	0.33	0.67	6.05	0.01	0.04
7.91	0.33	0.67	6.05	0.01	0.04	7.92	0.33	0.67	6.04	0.01	0.04
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	0.27	0.73	5.82	0.01	0.04
8.37	0.27	0.73	5.82	0.01	0.04	8.38	0.27	0.73	5.81	0.01	0.04
8.39	0.27	0.73	5.81	0.01	0.04	8.40	0.27	0.73	5.80	0.01	0.04
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00

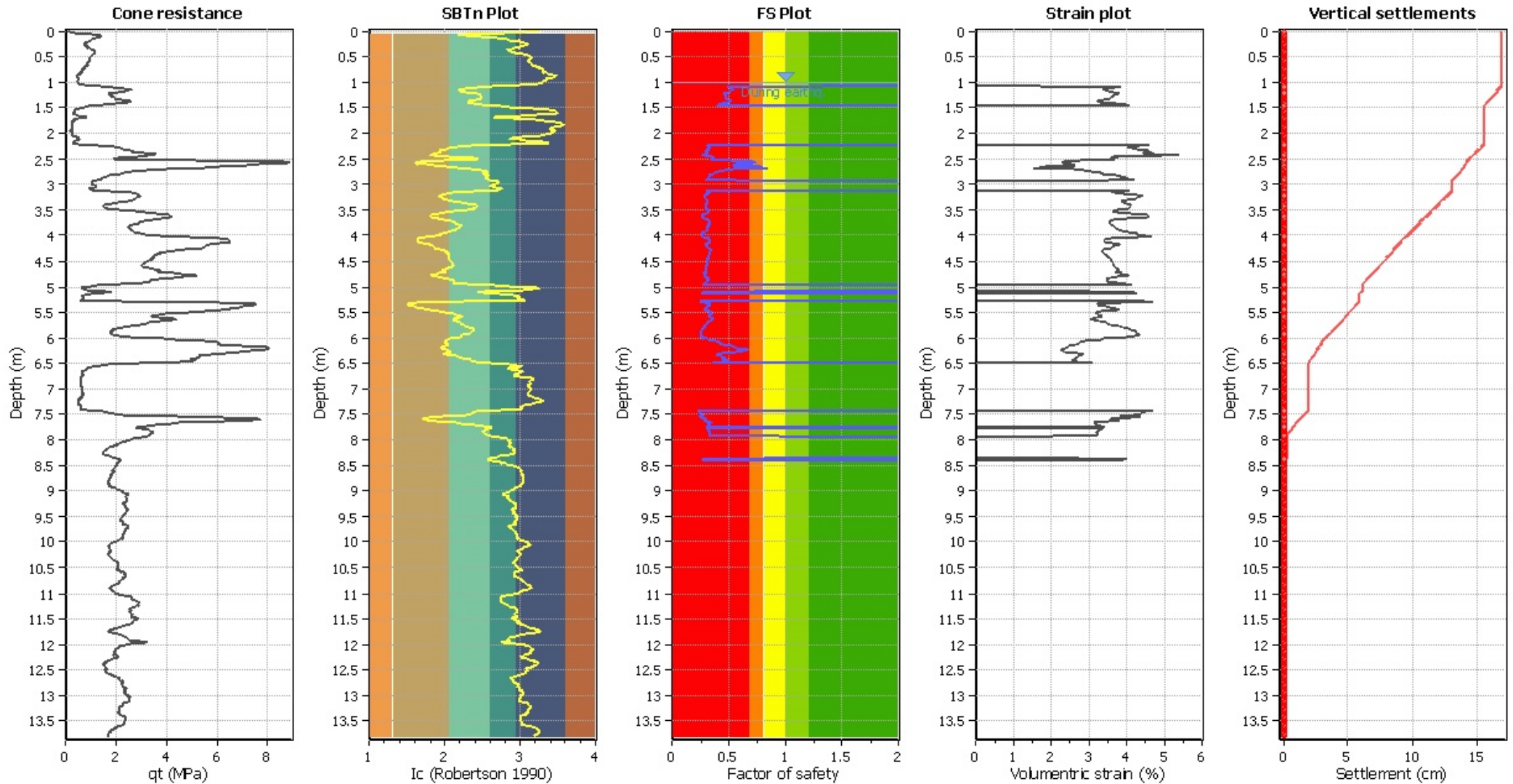
**Overall liquefaction potential: 23.59**

LPI = 0.00 - Liquefaction risk very low  
LPI between 0.00 and 5.00 - Liquefaction risk low  
LPI between 5.00 and 15.00 - Liquefaction risk high  
LPI > 15.00 - Liquefaction risk very high

**Abbreviations**

FS: Calculated factor of safety for test point  
F<sub>L</sub>: 1 - FS  
w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
d<sub>z</sub>: Layer thickness (m)  
LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- Ic: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	7.89	2.00	0.00	1.00	0.00	1.01	8.39	2.00	0.00	1.00	0.00
1.02	8.72	2.00	0.00	1.00	0.00	1.03	9.40	2.00	0.00	1.00	0.00
1.04	10.91	2.00	0.00	1.00	0.00	1.05	13.25	2.00	0.00	1.00	0.00
1.06	16.44	2.00	0.00	1.00	0.00	1.07	20.47	2.00	0.00	1.00	0.00
1.08	83.81	0.49	3.83	1.00	0.04	1.09	84.96	0.49	3.78	1.00	0.04
1.10	87.02	0.50	3.69	1.00	0.04	1.11	88.99	0.51	3.61	1.00	0.04
1.12	90.32	0.51	3.56	1.00	0.04	1.13	91.33	0.52	3.52	1.00	0.04
1.14	95.67	0.54	3.36	1.00	0.03	1.15	95.25	0.54	3.38	1.00	0.03
1.16	93.70	0.52	3.43	1.00	0.03	1.17	91.36	0.51	3.52	1.00	0.04
1.18	89.21	0.49	3.60	1.00	0.04	1.19	87.87	0.49	3.66	1.00	0.04
1.20	84.03	0.47	3.82	1.00	0.04	1.21	84.11	0.46	3.82	1.00	0.04
1.22	84.81	0.47	3.79	1.00	0.04	1.23	85.90	0.47	3.74	1.00	0.04
1.24	87.06	0.47	3.69	1.00	0.04	1.25	86.85	0.47	3.70	1.00	0.04
1.26	87.76	0.47	3.66	1.00	0.04	1.27	88.80	0.47	3.62	1.00	0.04
1.28	88.60	0.47	3.63	1.00	0.04	1.29	88.22	0.47	3.64	1.00	0.04
1.30	89.41	0.47	3.60	1.00	0.04	1.31	90.87	0.48	3.54	1.00	0.04
1.32	91.10	0.48	3.53	1.00	0.04	1.33	91.84	0.48	3.50	1.00	0.04
1.34	96.20	0.50	3.34	1.00	0.03	1.35	97.08	0.50	3.31	1.00	0.03
1.36	99.00	0.51	3.25	1.00	0.03	1.37	99.79	0.52	3.22	1.00	0.03
1.38	98.75	0.51	3.25	1.00	0.03	1.39	96.22	0.49	3.34	1.00	0.03
1.40	93.80	0.48	3.43	1.00	0.03	1.41	88.19	0.45	3.65	1.00	0.04
1.42	86.08	0.44	3.73	1.00	0.04	1.43	83.80	0.43	3.83	1.00	0.04
1.44	81.14	0.41	3.95	1.00	0.04	1.45	78.55	0.40	4.08	1.00	0.04
1.46	19.13	2.00	0.00	1.00	0.00	1.47	16.11	2.00	0.00	1.00	0.00
1.48	11.91	2.00	0.00	1.00	0.00	1.49	10.57	2.00	0.00	1.00	0.00
1.50	9.40	2.00	0.00	1.00	0.00	1.51	8.05	2.00	0.00	1.00	0.00
1.52	7.21	2.00	0.00	1.00	0.00	1.53	6.54	2.00	0.00	1.00	0.00
1.54	6.04	2.00	0.00	1.00	0.00	1.55	5.54	2.00	0.00	1.00	0.00
1.56	5.20	2.00	0.00	1.00	0.00	1.57	5.03	2.00	0.00	1.00	0.00
1.58	4.87	2.00	0.00	1.00	0.00	1.59	4.70	2.00	0.00	1.00	0.00
1.60	4.53	2.00	0.00	1.00	0.00	1.61	4.36	2.00	0.00	1.00	0.00
1.62	4.36	2.00	0.00	1.00	0.00	1.63	4.53	2.00	0.00	1.00	0.00
1.64	5.37	2.00	0.00	1.00	0.00	1.65	8.39	2.00	0.00	1.00	0.00
1.66	11.41	2.00	0.00	1.00	0.00	1.67	14.09	2.00	0.00	1.00	0.00
1.68	13.42	2.00	0.00	1.00	0.00	1.69	11.41	2.00	0.00	1.00	0.00
1.70	8.22	2.00	0.00	1.00	0.00	1.71	7.38	2.00	0.00	1.00	0.00
1.72	6.71	2.00	0.00	1.00	0.00	1.73	5.54	2.00	0.00	1.00	0.00
1.74	4.87	2.00	0.00	1.00	0.00	1.75	4.53	2.00	0.00	1.00	0.00
1.76	4.19	2.00	0.00	1.00	0.00	1.77	4.03	2.00	0.00	1.00	0.00
1.78	3.69	2.00	0.00	1.00	0.00	1.79	3.36	2.00	0.00	1.00	0.00
1.80	3.19	2.00	0.00	1.00	0.00	1.81	3.19	2.00	0.00	1.00	0.00
1.82	3.02	2.00	0.00	1.00	0.00	1.83	3.02	2.00	0.00	1.00	0.00
1.84	3.02	2.00	0.00	1.00	0.00	1.85	3.02	2.00	0.00	1.00	0.00
1.86	3.19	2.00	0.00	1.00	0.00	1.87	3.19	2.00	0.00	1.00	0.00
1.88	3.19	2.00	0.00	1.00	0.00	1.89	3.19	2.00	0.00	1.00	0.00
1.90	3.19	2.00	0.00	1.00	0.00	1.91	3.19	2.00	0.00	1.00	0.00
1.92	3.02	2.00	0.00	1.00	0.00	1.93	3.02	2.00	0.00	1.00	0.00
1.94	2.85	2.00	0.00	1.00	0.00	1.95	2.85	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	2.85	2.00	0.00	1.00	0.00	1.97	3.02	2.00	0.00	1.00	0.00
1.98	3.19	2.00	0.00	1.00	0.00	1.99	3.19	2.00	0.00	1.00	0.00
2.00	3.36	2.00	0.00	1.00	0.00	2.01	3.69	2.00	0.00	1.00	0.00
2.02	3.86	2.00	0.00	1.00	0.00	2.03	3.86	2.00	0.00	1.00	0.00
2.04	3.86	2.00	0.00	1.00	0.00	2.05	4.53	2.00	0.00	1.00	0.00
2.06	5.03	2.00	0.00	1.00	0.00	2.07	5.87	2.00	0.00	1.00	0.00
2.08	7.05	2.00	0.00	1.00	0.00	2.09	7.89	2.00	0.00	1.00	0.00
2.10	8.56	2.00	0.00	1.00	0.00	2.11	9.06	2.00	0.00	1.00	0.00
2.12	7.21	2.00	0.00	1.00	0.00	2.13	7.05	2.00	0.00	1.00	0.00
2.14	5.70	2.00	0.00	1.00	0.00	2.15	4.70	2.00	0.00	1.00	0.00
2.16	4.36	2.00	0.00	1.00	0.00	2.17	4.03	2.00	0.00	1.00	0.00
2.18	3.86	2.00	0.00	1.00	0.00	2.19	3.86	2.00	0.00	1.00	0.00
2.20	3.86	2.00	0.00	1.00	0.00	2.21	6.38	2.00	0.00	1.00	0.00
2.22	9.56	2.00	0.00	1.00	0.00	2.23	69.11	0.31	4.60	1.00	0.05
2.24	73.10	0.32	4.37	1.00	0.04	2.25	76.07	0.32	4.21	1.00	0.04
2.26	77.26	0.33	4.15	1.00	0.04	2.27	79.79	0.33	4.02	1.00	0.04
2.28	78.66	0.33	4.07	1.00	0.04	2.29	77.05	0.32	4.16	1.00	0.04
2.30	73.97	0.31	4.32	1.00	0.04	2.31	71.32	0.31	4.47	1.00	0.04
2.32	69.88	0.30	4.56	1.00	0.05	2.33	69.50	0.30	4.58	1.00	0.05
2.34	69.43	0.30	4.58	1.00	0.05	2.35	69.12	0.30	4.60	1.00	0.05
2.36	69.15	0.30	4.60	1.00	0.05	2.37	68.40	0.30	4.65	1.00	0.05
2.38	72.35	0.31	4.41	1.00	0.04	2.39	71.91	0.30	4.44	1.00	0.04
2.40	72.12	0.30	4.42	1.00	0.04	2.41	68.05	0.29	4.67	1.00	0.05
2.42	64.14	0.28	4.93	1.00	0.05	2.43	58.30	0.27	5.37	1.00	0.05
2.44	62.13	0.28	5.07	1.00	0.05	2.45	90.25	0.36	3.56	1.00	0.04
2.46	85.64	0.34	3.75	1.00	0.04	2.47	90.97	0.36	3.53	1.00	0.04
2.48	88.00	0.35	3.65	1.00	0.04	2.49	88.54	0.35	3.63	1.00	0.04
2.50	88.63	0.35	3.63	1.00	0.04	2.51	87.09	0.35	3.69	1.00	0.04
2.52	104.38	0.42	3.07	1.00	0.03	2.53	127.09	0.59	2.50	1.00	0.02
2.54	125.28	0.57	2.53	1.00	0.03	2.55	135.43	0.70	2.33	1.00	0.02
2.56	134.59	0.69	2.34	1.00	0.02	2.57	133.14	0.66	2.37	1.00	0.02
2.58	137.91	0.74	2.26	1.00	0.02	2.59	131.82	0.65	2.40	1.00	0.02
2.60	128.26	0.60	2.47	1.00	0.02	2.61	124.56	0.56	2.55	1.00	0.03
2.62	122.34	0.54	2.60	1.00	0.03	2.63	135.57	0.70	2.32	1.00	0.02
2.64	136.33	0.71	2.31	1.00	0.02	2.65	141.44	0.79	1.73	1.00	0.02
2.66	139.78	0.76	1.97	1.00	0.02	2.67	143.32	0.83	1.51	1.00	0.02
2.68	134.00	0.67	2.35	1.00	0.02	2.69	125.71	0.57	2.53	1.00	0.03
2.70	118.59	0.51	2.69	1.00	0.03	2.71	118.67	0.51	2.69	1.00	0.03
2.72	113.08	0.46	2.83	1.00	0.03	2.73	111.42	0.45	2.87	1.00	0.03
2.74	107.23	0.43	2.99	1.00	0.03	2.75	104.96	0.41	3.06	1.00	0.03
2.76	101.26	0.40	3.17	1.00	0.03	2.77	99.32	0.39	3.24	1.00	0.03
2.78	97.15	0.38	3.31	1.00	0.03	2.79	94.54	0.37	3.40	1.00	0.03
2.80	89.82	0.35	3.58	1.00	0.04	2.81	87.26	0.34	3.68	1.00	0.04
2.82	85.87	0.33	3.74	1.00	0.04	2.83	84.84	0.33	3.79	1.00	0.04
2.84	83.55	0.32	3.84	1.00	0.04	2.85	82.36	0.32	3.90	1.00	0.04
2.86	81.02	0.32	3.96	1.00	0.04	2.87	80.59	0.31	3.98	1.00	0.04
2.88	80.26	0.31	4.00	1.00	0.04	2.89	79.44	0.31	4.04	1.00	0.04
2.90	79.54	0.31	4.03	1.00	0.04	2.91	79.49	0.31	4.03	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	76.41	0.30	4.19	1.00	0.04	2.93	18.74	2.00	0.00	1.00	0.00
2.94	17.11	2.00	0.00	1.00	0.00	2.95	16.61	2.00	0.00	1.00	0.00
2.96	16.44	2.00	0.00	1.00	0.00	2.97	16.59	2.00	0.00	1.00	0.00
2.98	16.74	2.00	0.00	1.00	0.00	2.99	16.57	2.00	0.00	1.00	0.00
3.00	17.20	2.00	0.00	1.00	0.00	3.01	19.71	2.00	0.00	1.00	0.00
3.02	19.70	2.00	0.00	1.00	0.00	3.03	19.68	2.00	0.00	1.00	0.00
3.04	20.12	2.00	0.00	1.00	0.00	3.05	20.25	2.00	0.00	1.00	0.00
3.06	19.75	2.00	0.00	1.00	0.00	3.07	17.07	2.00	0.00	1.00	0.00
3.08	15.78	2.00	0.00	1.00	0.00	3.09	14.50	2.00	0.00	1.00	0.00
3.10	15.93	2.00	0.00	1.00	0.00	3.11	18.77	2.00	0.00	1.00	0.00
3.12	78.92	0.30	4.06	1.00	0.04	3.13	81.91	0.31	3.92	1.00	0.04
3.14	89.55	0.34	3.59	1.00	0.04	3.15	87.67	0.33	3.67	1.00	0.04
3.16	86.65	0.33	3.71	1.00	0.04	3.17	85.34	0.32	3.77	1.00	0.04
3.18	83.23	0.31	3.86	1.00	0.04	3.19	79.88	0.30	4.01	1.00	0.04
3.20	76.07	0.29	4.21	1.00	0.04	3.21	72.91	0.28	4.38	1.00	0.04
3.22	72.29	0.28	4.41	1.00	0.04	3.23	72.51	0.28	4.40	1.00	0.04
3.24	73.06	0.28	4.37	1.00	0.04	3.25	73.43	0.28	4.35	1.00	0.04
3.26	74.66	0.29	4.28	1.00	0.04	3.27	75.47	0.29	4.24	1.00	0.04
3.28	77.41	0.29	4.14	1.00	0.04	3.29	79.09	0.30	4.05	1.00	0.04
3.30	80.53	0.30	3.98	1.00	0.04	3.31	81.64	0.31	3.93	1.00	0.04
3.32	83.23	0.31	3.86	1.00	0.04	3.33	82.90	0.31	3.87	1.00	0.04
3.34	83.48	0.31	3.85	1.00	0.04	3.35	82.87	0.31	3.87	1.00	0.04
3.36	82.09	0.31	3.91	1.00	0.04	3.37	81.17	0.30	3.95	1.00	0.04
3.38	80.05	0.30	4.01	1.00	0.04	3.39	79.26	0.30	4.05	1.00	0.04
3.40	77.84	0.29	4.12	1.00	0.04	3.41	77.80	0.29	4.12	1.00	0.04
3.42	77.75	0.29	4.12	1.00	0.04	3.43	77.95	0.29	4.11	1.00	0.04
3.44	78.25	0.29	4.10	1.00	0.04	3.45	78.73	0.29	4.07	1.00	0.04
3.46	79.07	0.30	4.05	1.00	0.04	3.47	79.15	0.30	4.05	1.00	0.04
3.48	82.41	0.30	3.90	1.00	0.04	3.49	84.46	0.31	3.80	1.00	0.04
3.50	86.40	0.32	3.72	1.00	0.04	3.51	87.32	0.32	3.68	1.00	0.04
3.52	87.17	0.32	3.69	1.00	0.04	3.53	88.91	0.32	3.62	1.00	0.04
3.54	86.14	0.31	3.73	1.00	0.04	3.55	83.94	0.31	3.83	1.00	0.04
3.56	80.99	0.30	3.96	1.00	0.04	3.57	78.41	0.29	4.09	1.00	0.04
3.58	74.56	0.28	4.29	1.00	0.04	3.59	73.05	0.28	4.37	1.00	0.04
3.60	70.19	0.27	4.54	1.00	0.05	3.61	69.40	0.27	4.59	1.00	0.05
3.62	68.74	0.26	4.63	1.00	0.05	3.63	68.91	0.26	4.62	1.00	0.05
3.64	70.84	0.27	4.50	1.00	0.04	3.65	73.40	0.28	4.35	1.00	0.04
3.66	77.97	0.29	4.11	1.00	0.04	3.67	81.45	0.30	3.94	1.00	0.04
3.68	84.15	0.31	3.82	1.00	0.04	3.69	86.67	0.31	3.71	1.00	0.04
3.70	89.15	0.32	3.61	1.00	0.04	3.71	89.45	0.32	3.59	1.00	0.04
3.72	90.82	0.33	3.54	1.00	0.04	3.73	91.18	0.33	3.53	1.00	0.04
3.74	91.27	0.33	3.52	1.00	0.04	3.75	91.19	0.33	3.53	1.00	0.04
3.76	91.30	0.33	3.52	1.00	0.04	3.77	90.00	0.32	3.57	1.00	0.04
3.78	89.70	0.32	3.58	1.00	0.04	3.79	89.12	0.32	3.61	1.00	0.04
3.80	88.73	0.32	3.62	1.00	0.04	3.81	88.26	0.32	3.64	1.00	0.04
3.82	87.69	0.31	3.67	1.00	0.04	3.83	87.25	0.31	3.68	1.00	0.04
3.84	86.77	0.31	3.70	1.00	0.04	3.85	86.49	0.31	3.72	1.00	0.04
3.86	86.15	0.31	3.73	1.00	0.04	3.87	85.92	0.31	3.74	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	85.59	0.31	3.75	1.00	0.04	3.89	85.67	0.31	3.75	1.00	0.04
3.90	85.32	0.31	3.77	1.00	0.04	3.91	82.54	0.30	3.89	1.00	0.04
3.92	78.41	0.28	4.09	1.00	0.04	3.93	75.15	0.27	4.26	1.00	0.04
3.94	75.12	0.27	4.26	1.00	0.04	3.95	75.19	0.27	4.25	1.00	0.04
3.96	75.07	0.27	4.26	1.00	0.04	3.97	74.86	0.27	4.27	1.00	0.04
3.98	74.66	0.27	4.28	1.00	0.04	3.99	73.48	0.27	4.35	1.00	0.04
4.00	71.44	0.26	4.46	1.00	0.04	4.01	70.26	0.26	4.53	1.00	0.05
4.02	68.16	0.26	4.66	1.00	0.05	4.03	71.22	0.26	4.48	1.00	0.04
4.04	81.15	0.29	3.95	1.00	0.04	4.05	85.48	0.30	3.76	1.00	0.04
4.06	89.12	0.32	3.61	1.00	0.04	4.07	91.60	0.32	3.51	1.00	0.04
4.08	92.92	0.33	3.46	1.00	0.03	4.09	93.62	0.33	3.43	1.00	0.03
4.10	94.68	0.33	3.40	1.00	0.03	4.11	94.75	0.33	3.39	1.00	0.03
4.12	93.93	0.33	3.42	1.00	0.03	4.13	92.74	0.33	3.47	1.00	0.03
4.14	91.04	0.32	3.53	1.00	0.04	4.15	87.56	0.31	3.67	1.00	0.04
4.16	85.98	0.30	3.74	1.00	0.04	4.17	84.75	0.30	3.79	1.00	0.04
4.18	84.58	0.30	3.80	1.00	0.04	4.19	85.43	0.30	3.76	1.00	0.04
4.20	86.70	0.30	3.71	1.00	0.04	4.21	87.66	0.31	3.67	1.00	0.04
4.22	88.72	0.31	3.62	1.00	0.04	4.23	89.34	0.31	3.60	1.00	0.04
4.24	90.35	0.32	3.56	1.00	0.04	4.25	91.92	0.32	3.50	1.00	0.03
4.26	95.06	0.33	3.38	1.00	0.03	4.27	94.66	0.33	3.40	1.00	0.03
4.28	96.61	0.34	3.33	1.00	0.03	4.29	96.52	0.34	3.33	1.00	0.03
4.30	96.40	0.34	3.34	1.00	0.03	4.31	95.94	0.34	3.35	1.00	0.03
4.32	95.86	0.34	3.35	1.00	0.03	4.33	94.72	0.33	3.39	1.00	0.03
4.34	94.73	0.33	3.39	1.00	0.03	4.35	94.39	0.33	3.41	1.00	0.03
4.36	94.36	0.33	3.41	1.00	0.03	4.37	93.78	0.33	3.43	1.00	0.03
4.38	93.60	0.33	3.44	1.00	0.03	4.39	92.63	0.32	3.47	1.00	0.03
4.40	92.26	0.32	3.49	1.00	0.03	4.41	91.79	0.32	3.50	1.00	0.04
4.42	91.44	0.32	3.52	1.00	0.04	4.43	91.04	0.32	3.53	1.00	0.04
4.44	90.91	0.32	3.54	1.00	0.04	4.45	90.25	0.31	3.56	1.00	0.04
4.46	90.04	0.31	3.57	1.00	0.04	4.47	89.81	0.31	3.58	1.00	0.04
4.48	89.52	0.31	3.59	1.00	0.04	4.49	89.49	0.31	3.59	1.00	0.04
4.50	89.39	0.31	3.60	1.00	0.04	4.51	88.81	0.31	3.62	1.00	0.04
4.52	88.94	0.31	3.61	1.00	0.04	4.53	88.72	0.31	3.62	1.00	0.04
4.54	88.66	0.31	3.63	1.00	0.04	4.55	88.42	0.31	3.64	1.00	0.04
4.56	88.13	0.30	3.65	1.00	0.04	4.57	87.96	0.30	3.66	1.00	0.04
4.58	87.55	0.30	3.67	1.00	0.04	4.59	87.35	0.30	3.68	1.00	0.04
4.60	87.22	0.30	3.69	1.00	0.04	4.61	87.09	0.30	3.69	1.00	0.04
4.62	86.37	0.30	3.72	1.00	0.04	4.63	87.02	0.30	3.69	1.00	0.04
4.64	86.07	0.30	3.73	1.00	0.04	4.65	85.60	0.30	3.75	1.00	0.04
4.66	84.89	0.29	3.78	1.00	0.04	4.67	84.10	0.29	3.82	1.00	0.04
4.68	84.05	0.29	3.82	1.00	0.04	4.69	85.32	0.29	3.77	1.00	0.04
4.70	86.50	0.30	3.72	1.00	0.04	4.71	86.19	0.30	3.73	1.00	0.04
4.72	87.25	0.30	3.68	1.00	0.04	4.73	86.86	0.30	3.70	1.00	0.04
4.74	83.01	0.29	3.87	1.00	0.04	4.75	84.38	0.29	3.81	1.00	0.04
4.76	79.95	0.28	4.01	1.00	0.04	4.77	79.35	0.28	4.04	1.00	0.04
4.78	79.53	0.28	4.03	1.00	0.04	4.79	82.19	0.28	3.91	1.00	0.04
4.80	83.15	0.29	3.86	1.00	0.04	4.81	87.53	0.30	3.67	1.00	0.04
4.82	89.77	0.31	3.58	1.00	0.04	4.83	91.36	0.31	3.52	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	92.33	0.32	3.48	1.00	0.03	4.85	93.17	0.32	3.45	1.00	0.03
4.86	91.85	0.31	3.50	1.00	0.04	4.87	92.28	0.32	3.48	1.00	0.03
4.88	92.00	0.31	3.50	1.00	0.03	4.89	91.47	0.31	3.52	1.00	0.04
4.90	91.70	0.31	3.51	1.00	0.04	4.91	90.98	0.31	3.53	1.00	0.04
4.92	84.47	0.29	3.80	1.00	0.04	4.93	83.43	0.29	3.85	1.00	0.04
4.94	85.34	0.29	3.77	1.00	0.04	4.95	77.86	0.27	4.11	1.00	0.04
4.96	76.94	0.27	4.16	1.00	0.04	4.97	18.06	2.00	0.00	1.00	0.00
4.98	15.56	2.00	0.00	1.00	0.00	4.99	14.02	2.00	0.00	1.00	0.00
5.00	12.62	2.00	0.00	1.00	0.00	5.01	9.70	2.00	0.00	1.00	0.00
5.02	8.57	2.00	0.00	1.00	0.00	5.03	8.01	2.00	0.00	1.00	0.00
5.04	8.42	2.00	0.00	1.00	0.00	5.05	8.97	2.00	0.00	1.00	0.00
5.06	9.94	2.00	0.00	1.00	0.00	5.07	13.94	2.00	0.00	1.00	0.00
5.08	18.45	2.00	0.00	1.00	0.00	5.09	78.21	0.27	4.10	1.00	0.04
5.10	79.29	0.27	4.04	1.00	0.04	5.11	78.39	0.27	4.09	1.00	0.04
5.12	74.91	0.26	4.27	1.00	0.04	5.13	16.50	2.00	0.00	1.00	0.00
5.14	13.63	2.00	0.00	1.00	0.00	5.15	12.10	2.00	0.00	1.00	0.00
5.16	10.30	2.00	0.00	1.00	0.00	5.17	9.46	2.00	0.00	1.00	0.00
5.18	8.89	2.00	0.00	1.00	0.00	5.19	8.61	2.00	0.00	1.00	0.00
5.20	8.60	2.00	0.00	1.00	0.00	5.21	8.88	2.00	0.00	1.00	0.00
5.22	8.87	2.00	0.00	1.00	0.00	5.23	8.73	2.00	0.00	1.00	0.00
5.24	8.31	2.00	0.00	1.00	0.00	5.25	7.89	2.00	0.00	1.00	0.00
5.26	7.33	2.00	0.00	1.00	0.00	5.27	8.03	2.00	0.00	1.00	0.00
5.28	71.72	0.25	4.45	1.00	0.04	5.29	79.80	0.27	4.02	1.00	0.04
5.30	67.66	0.24	4.69	1.00	0.05	5.31	77.33	0.27	4.14	1.00	0.04
5.32	94.14	0.32	3.42	1.00	0.03	5.33	97.20	0.33	3.31	1.00	0.03
5.34	98.89	0.34	3.25	1.00	0.03	5.35	99.41	0.34	3.23	1.00	0.03
5.36	99.48	0.34	3.23	1.00	0.03	5.37	97.35	0.33	3.30	1.00	0.03
5.38	95.44	0.32	3.37	1.00	0.03	5.39	93.19	0.31	3.45	1.00	0.03
5.40	91.00	0.31	3.53	1.00	0.04	5.41	89.28	0.30	3.60	1.00	0.04
5.42	87.20	0.29	3.69	1.00	0.04	5.43	86.43	0.29	3.72	1.00	0.04
5.44	85.31	0.29	3.77	1.00	0.04	5.45	84.60	0.28	3.80	1.00	0.04
5.46	87.12	0.29	3.69	1.00	0.04	5.47	90.42	0.30	3.56	1.00	0.04
5.48	95.79	0.32	3.36	1.00	0.03	5.49	98.08	0.33	3.28	1.00	0.03
5.50	99.81	0.34	3.22	1.00	0.03	5.51	100.75	0.34	3.19	1.00	0.03
5.52	102.41	0.35	3.14	1.00	0.03	5.53	99.71	0.34	3.22	1.00	0.03
5.54	99.49	0.34	3.23	1.00	0.03	5.55	98.20	0.33	3.27	1.00	0.03
5.56	97.32	0.33	3.30	1.00	0.03	5.57	96.23	0.32	3.34	1.00	0.03
5.58	96.34	0.32	3.34	1.00	0.03	5.59	99.19	0.33	3.24	1.00	0.03
5.60	100.99	0.34	3.18	1.00	0.03	5.61	102.04	0.35	3.15	1.00	0.03
5.62	104.76	0.36	3.06	1.00	0.03	5.63	105.43	0.36	3.04	1.00	0.03
5.64	104.54	0.36	3.07	1.00	0.03	5.65	102.97	0.35	3.12	1.00	0.03
5.66	101.70	0.34	3.16	1.00	0.03	5.67	100.17	0.34	3.21	1.00	0.03
5.68	98.66	0.33	3.26	1.00	0.03	5.69	97.07	0.33	3.31	1.00	0.03
5.70	94.31	0.32	3.41	1.00	0.03	5.71	93.28	0.31	3.45	1.00	0.03
5.72	92.35	0.31	3.48	1.00	0.03	5.73	91.10	0.30	3.53	1.00	0.04
5.74	90.10	0.30	3.57	1.00	0.04	5.75	88.49	0.29	3.63	1.00	0.04
5.76	85.39	0.29	3.76	1.00	0.04	5.77	84.04	0.28	3.82	1.00	0.04
5.78	83.42	0.28	3.85	1.00	0.04	5.79	82.84	0.28	3.88	1.00	0.04

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	82.12	0.28	3.91	1.00	0.04	5.81	81.59	0.27	3.93	1.00	0.04
5.82	79.67	0.27	4.02	1.00	0.04	5.83	79.09	0.27	4.05	1.00	0.04
5.84	78.26	0.27	4.09	1.00	0.04	5.85	77.65	0.26	4.13	1.00	0.04
5.86	77.12	0.26	4.15	1.00	0.04	5.87	76.45	0.26	4.19	1.00	0.04
5.88	75.68	0.26	4.23	1.00	0.04	5.89	75.56	0.26	4.23	1.00	0.04
5.90	75.42	0.26	4.24	1.00	0.04	5.91	74.62	0.26	4.28	1.00	0.04
5.92	73.99	0.25	4.32	1.00	0.04	5.93	73.23	0.25	4.36	1.00	0.04
5.94	73.48	0.25	4.35	1.00	0.04	5.95	74.01	0.25	4.32	1.00	0.04
5.96	74.78	0.26	4.28	1.00	0.04	5.97	77.26	0.26	4.14	1.00	0.04
5.98	78.64	0.27	4.08	1.00	0.04	5.99	80.30	0.27	3.99	1.00	0.04
6.00	82.22	0.27	3.90	1.00	0.04	6.01	86.94	0.29	3.70	1.00	0.04
6.02	94.48	0.31	3.40	1.00	0.03	6.03	97.03	0.32	3.31	1.00	0.03
6.04	101.56	0.34	3.16	1.00	0.03	6.05	106.24	0.36	3.02	1.00	0.03
6.06	112.05	0.39	2.86	1.00	0.03	6.07	113.56	0.40	2.82	1.00	0.03
6.08	114.88	0.41	2.78	1.00	0.03	6.09	115.72	0.42	2.76	1.00	0.03
6.10	117.31	0.43	2.72	1.00	0.03	6.11	117.59	0.43	2.71	1.00	0.03
6.12	119.08	0.44	2.68	1.00	0.03	6.13	120.37	0.45	2.65	1.00	0.03
6.14	121.48	0.46	2.62	1.00	0.03	6.15	122.42	0.47	2.60	1.00	0.03
6.16	129.18	0.53	2.45	1.00	0.02	6.17	129.84	0.53	2.44	1.00	0.02
6.18	130.92	0.55	2.42	1.00	0.02	6.19	131.14	0.55	2.41	1.00	0.02
6.20	133.76	0.58	2.36	1.00	0.02	6.21	136.55	0.62	2.31	1.00	0.02
6.22	138.81	0.65	2.26	1.00	0.02	6.23	139.58	0.66	2.25	1.00	0.02
6.24	139.67	0.66	2.25	1.00	0.02	6.25	139.26	0.66	2.26	1.00	0.02
6.26	135.76	0.61	2.32	1.00	0.02	6.27	134.04	0.58	2.35	1.00	0.02
6.28	131.89	0.56	2.40	1.00	0.02	6.29	127.63	0.51	2.48	1.00	0.02
6.30	120.47	0.45	2.64	1.00	0.03	6.31	113.85	0.40	2.81	1.00	0.03
6.32	111.89	0.39	2.86	1.00	0.03	6.33	112.27	0.39	2.85	1.00	0.03
6.34	113.62	0.40	2.81	1.00	0.03	6.35	116.19	0.42	2.75	1.00	0.03
6.36	116.32	0.42	2.74	1.00	0.03	6.37	119.05	0.44	2.68	1.00	0.03
6.38	120.60	0.45	2.64	1.00	0.03	6.39	121.20	0.46	2.63	1.00	0.03
6.40	122.10	0.46	2.61	1.00	0.03	6.41	120.69	0.45	2.64	1.00	0.03
6.42	119.59	0.44	2.66	1.00	0.03	6.43	120.90	0.45	2.63	1.00	0.03
6.44	122.68	0.47	2.59	1.00	0.03	6.45	125.83	0.49	2.52	1.00	0.03
6.46	124.21	0.48	2.56	1.00	0.03	6.47	119.80	0.44	2.66	1.00	0.03
6.48	112.47	0.40	2.84	1.00	0.03	6.49	104.78	0.36	3.06	1.00	0.03
6.50	36.31	2.00	0.00	1.00	0.00	6.51	31.05	2.00	0.00	1.00	0.00
6.52	26.71	2.00	0.00	1.00	0.00	6.53	19.55	2.00	0.00	1.00	0.00
6.54	15.98	2.00	0.00	1.00	0.00	6.55	14.24	2.00	0.00	1.00	0.00
6.56	13.25	2.00	0.00	1.00	0.00	6.57	12.00	2.00	0.00	1.00	0.00
6.58	11.13	2.00	0.00	1.00	0.00	6.59	10.76	2.00	0.00	1.00	0.00
6.60	10.63	2.00	0.00	1.00	0.00	6.61	10.63	2.00	0.00	1.00	0.00
6.62	10.37	2.00	0.00	1.00	0.00	6.63	9.86	2.00	0.00	1.00	0.00
6.64	8.98	2.00	0.00	1.00	0.00	6.65	8.23	2.00	0.00	1.00	0.00
6.66	7.97	2.00	0.00	1.00	0.00	6.67	7.85	2.00	0.00	1.00	0.00
6.68	7.97	2.00	0.00	1.00	0.00	6.69	7.96	2.00	0.00	1.00	0.00
6.70	7.96	2.00	0.00	1.00	0.00	6.71	7.96	2.00	0.00	1.00	0.00
6.72	7.95	2.00	0.00	1.00	0.00	6.73	8.07	2.00	0.00	1.00	0.00
6.74	8.32	2.00	0.00	1.00	0.00	6.75	8.31	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	8.18	2.00	0.00	1.00	0.00	6.77	7.93	2.00	0.00	1.00	0.00
6.78	7.43	2.00	0.00	1.00	0.00	6.79	7.05	2.00	0.00	1.00	0.00
6.80	6.80	2.00	0.00	1.00	0.00	6.81	6.67	2.00	0.00	1.00	0.00
6.82	6.79	2.00	0.00	1.00	0.00	6.83	6.79	2.00	0.00	1.00	0.00
6.84	6.79	2.00	0.00	1.00	0.00	6.85	6.91	2.00	0.00	1.00	0.00
6.86	7.03	2.00	0.00	1.00	0.00	6.87	7.02	2.00	0.00	1.00	0.00
6.88	7.02	2.00	0.00	1.00	0.00	6.89	7.02	2.00	0.00	1.00	0.00
6.90	7.01	2.00	0.00	1.00	0.00	6.91	7.01	2.00	0.00	1.00	0.00
6.92	7.01	2.00	0.00	1.00	0.00	6.93	7.25	2.00	0.00	1.00	0.00
6.94	7.25	2.00	0.00	1.00	0.00	6.95	7.24	2.00	0.00	1.00	0.00
6.96	7.24	2.00	0.00	1.00	0.00	6.97	7.36	2.00	0.00	1.00	0.00
6.98	7.36	2.00	0.00	1.00	0.00	6.99	7.35	2.00	0.00	1.00	0.00
7.00	7.35	2.00	0.00	1.00	0.00	7.01	7.47	2.00	0.00	1.00	0.00
7.02	7.46	2.00	0.00	1.00	0.00	7.03	7.46	2.00	0.00	1.00	0.00
7.04	7.58	2.00	0.00	1.00	0.00	7.05	7.57	2.00	0.00	1.00	0.00
7.06	7.69	2.00	0.00	1.00	0.00	7.07	7.81	2.00	0.00	1.00	0.00
7.08	7.81	2.00	0.00	1.00	0.00	7.09	7.92	2.00	0.00	1.00	0.00
7.10	8.04	2.00	0.00	1.00	0.00	7.11	7.92	2.00	0.00	1.00	0.00
7.12	7.79	2.00	0.00	1.00	0.00	7.13	7.79	2.00	0.00	1.00	0.00
7.14	7.78	2.00	0.00	1.00	0.00	7.15	7.78	2.00	0.00	1.00	0.00
7.16	7.65	2.00	0.00	1.00	0.00	7.17	7.40	2.00	0.00	1.00	0.00
7.18	7.03	2.00	0.00	1.00	0.00	7.19	6.54	2.00	0.00	1.00	0.00
7.20	6.42	2.00	0.00	1.00	0.00	7.21	6.29	2.00	0.00	1.00	0.00
7.22	6.04	2.00	0.00	1.00	0.00	7.23	5.92	2.00	0.00	1.00	0.00
7.24	5.79	2.00	0.00	1.00	0.00	7.25	5.91	2.00	0.00	1.00	0.00
7.26	6.03	2.00	0.00	1.00	0.00	7.27	6.15	2.00	0.00	1.00	0.00
7.28	6.15	2.00	0.00	1.00	0.00	7.29	6.14	2.00	0.00	1.00	0.00
7.30	6.14	2.00	0.00	1.00	0.00	7.31	6.14	2.00	0.00	1.00	0.00
7.32	6.14	2.00	0.00	1.00	0.00	7.33	6.50	2.00	0.00	1.00	0.00
7.34	6.74	2.00	0.00	1.00	0.00	7.35	6.86	2.00	0.00	1.00	0.00
7.36	6.73	2.00	0.00	1.00	0.00	7.37	6.61	2.00	0.00	1.00	0.00
7.38	6.36	2.00	0.00	1.00	0.00	7.39	6.24	2.00	0.00	1.00	0.00
7.40	6.84	2.00	0.00	1.00	0.00	7.41	8.30	2.00	0.00	1.00	0.00
7.42	10.71	2.00	0.00	1.00	0.00	7.43	67.60	0.24	4.70	1.00	0.05
7.44	70.91	0.24	4.49	1.00	0.04	7.45	71.08	0.24	4.48	1.00	0.04
7.46	71.53	0.24	4.46	1.00	0.04	7.47	71.96	0.25	4.43	1.00	0.04
7.48	72.58	0.25	4.40	1.00	0.04	7.49	73.04	0.25	4.37	1.00	0.04
7.50	72.89	0.25	4.38	1.00	0.04	7.51	77.35	0.26	4.14	1.00	0.04
7.52	81.51	0.27	3.94	1.00	0.04	7.53	83.98	0.28	3.82	1.00	0.04
7.54	81.82	0.27	3.92	1.00	0.04	7.55	72.71	0.25	4.39	1.00	0.04
7.56	82.07	0.27	3.91	1.00	0.04	7.57	86.77	0.28	3.70	1.00	0.04
7.58	89.37	0.29	3.60	1.00	0.04	7.59	90.97	0.30	3.53	1.00	0.04
7.60	91.36	0.30	3.52	1.00	0.04	7.61	88.35	0.29	3.64	1.00	0.04
7.62	85.36	0.28	3.76	1.00	0.04	7.63	84.45	0.28	3.80	1.00	0.04
7.64	89.57	0.29	3.59	1.00	0.04	7.65	100.71	0.33	3.19	1.00	0.03
7.66	99.95	0.33	3.21	1.00	0.03	7.67	102.71	0.34	3.13	1.00	0.03
7.68	101.45	0.33	3.17	1.00	0.03	7.69	100.36	0.33	3.20	1.00	0.03
7.70	99.38	0.33	3.23	1.00	0.03	7.71	99.41	0.33	3.23	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	97.45	0.32	3.30	1.00	0.03	7.73	96.48	0.32	3.33	1.00	0.03
7.74	94.35	0.31	3.41	1.00	0.03	7.75	32.07	2.00	0.00	1.00	0.00
7.76	31.36	2.00	0.00	1.00	0.00	7.77	33.16	2.00	0.00	1.00	0.00
7.78	95.21	0.31	3.38	1.00	0.03	7.79	96.85	0.32	3.32	1.00	0.03
7.80	97.55	0.32	3.30	1.00	0.03	7.81	98.40	0.32	3.27	1.00	0.03
7.82	98.45	0.32	3.26	1.00	0.03	7.83	100.87	0.33	3.18	1.00	0.03
7.84	100.29	0.33	3.20	1.00	0.03	7.85	100.16	0.33	3.21	1.00	0.03
7.86	100.15	0.33	3.21	1.00	0.03	7.87	100.55	0.33	3.20	1.00	0.03
7.88	99.92	0.33	3.22	1.00	0.03	7.89	99.42	0.33	3.23	1.00	0.03
7.90	99.51	0.33	3.23	1.00	0.03	7.91	99.73	0.33	3.22	1.00	0.03
7.92	98.96	0.33	3.25	1.00	0.03	7.93	36.62	2.00	0.00	1.00	0.00
7.94	35.37	2.00	0.00	1.00	0.00	7.95	34.45	2.00	0.00	1.00	0.00
7.96	33.52	2.00	0.00	1.00	0.00	7.97	31.48	2.00	0.00	1.00	0.00
7.98	30.11	2.00	0.00	1.00	0.00	7.99	28.86	2.00	0.00	1.00	0.00
8.00	28.17	2.00	0.00	1.00	0.00	8.01	27.48	2.00	0.00	1.00	0.00
8.02	27.46	2.00	0.00	1.00	0.00	8.03	26.55	2.00	0.00	1.00	0.00
8.04	25.74	2.00	0.00	1.00	0.00	8.05	24.83	2.00	0.00	1.00	0.00
8.06	24.59	2.00	0.00	1.00	0.00	8.07	24.12	2.00	0.00	1.00	0.00
8.08	23.44	2.00	0.00	1.00	0.00	8.09	23.09	2.00	0.00	1.00	0.00
8.10	22.85	2.00	0.00	1.00	0.00	8.11	22.27	2.00	0.00	1.00	0.00
8.12	21.58	2.00	0.00	1.00	0.00	8.13	21.01	2.00	0.00	1.00	0.00
8.14	20.54	2.00	0.00	1.00	0.00	8.15	19.85	2.00	0.00	1.00	0.00
8.16	18.60	2.00	0.00	1.00	0.00	8.17	18.25	2.00	0.00	1.00	0.00
8.18	17.90	2.00	0.00	1.00	0.00	8.19	17.89	2.00	0.00	1.00	0.00
8.20	17.77	2.00	0.00	1.00	0.00	8.21	16.97	2.00	0.00	1.00	0.00
8.22	16.85	2.00	0.00	1.00	0.00	8.23	16.72	2.00	0.00	1.00	0.00
8.24	16.71	2.00	0.00	1.00	0.00	8.25	16.59	2.00	0.00	1.00	0.00
8.26	16.47	2.00	0.00	1.00	0.00	8.27	16.46	2.00	0.00	1.00	0.00
8.28	16.68	2.00	0.00	1.00	0.00	8.29	17.01	2.00	0.00	1.00	0.00
8.30	17.45	2.00	0.00	1.00	0.00	8.31	18.80	2.00	0.00	1.00	0.00
8.32	19.57	2.00	0.00	1.00	0.00	8.33	20.46	2.00	0.00	1.00	0.00
8.34	21.24	2.00	0.00	1.00	0.00	8.35	21.90	2.00	0.00	1.00	0.00
8.36	80.55	0.27	3.98	1.00	0.04	8.37	80.94	0.27	3.96	1.00	0.04
8.38	81.38	0.27	3.94	1.00	0.04	8.39	81.53	0.27	3.94	1.00	0.04
8.40	81.70	0.27	3.93	1.00	0.04	8.41	24.27	2.00	0.00	1.00	0.00
8.42	23.92	2.00	0.00	1.00	0.00	8.43	23.46	2.00	0.00	1.00	0.00
8.44	23.22	2.00	0.00	1.00	0.00	8.45	22.98	2.00	0.00	1.00	0.00
8.46	22.74	2.00	0.00	1.00	0.00	8.47	22.17	2.00	0.00	1.00	0.00
8.48	22.15	2.00	0.00	1.00	0.00	8.49	22.14	2.00	0.00	1.00	0.00
8.50	22.01	2.00	0.00	1.00	0.00	8.51	21.89	2.00	0.00	1.00	0.00
8.52	21.76	2.00	0.00	1.00	0.00	8.53	21.53	2.00	0.00	1.00	0.00
8.54	21.52	2.00	0.00	1.00	0.00	8.55	21.28	2.00	0.00	1.00	0.00
8.56	21.27	2.00	0.00	1.00	0.00	8.57	21.04	2.00	0.00	1.00	0.00
8.58	20.69	2.00	0.00	1.00	0.00	8.59	20.46	2.00	0.00	1.00	0.00
8.60	20.56	2.00	0.00	1.00	0.00	8.61	20.44	2.00	0.00	1.00	0.00
8.62	20.75	2.00	0.00	1.00	0.00	8.63	20.63	2.00	0.00	1.00	0.00
8.64	20.29	2.00	0.00	1.00	0.00	8.65	20.17	2.00	0.00	1.00	0.00
8.66	20.16	2.00	0.00	1.00	0.00	8.67	19.93	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	19.58	2.00	0.00	1.00	0.00	8.69	19.57	2.00	0.00	1.00	0.00
8.70	19.34	2.00	0.00	1.00	0.00	8.71	19.33	2.00	0.00	1.00	0.00
8.72	19.43	2.00	0.00	1.00	0.00	8.73	19.09	2.00	0.00	1.00	0.00
8.74	19.08	2.00	0.00	1.00	0.00	8.75	18.85	2.00	0.00	1.00	0.00
8.76	18.73	2.00	0.00	1.00	0.00	8.77	18.61	2.00	0.00	1.00	0.00
8.78	18.71	2.00	0.00	1.00	0.00	8.79	18.69	2.00	0.00	1.00	0.00
8.80	18.57	2.00	0.00	1.00	0.00	8.81	18.35	2.00	0.00	1.00	0.00
8.82	18.23	2.00	0.00	1.00	0.00	8.83	18.22	2.00	0.00	1.00	0.00
8.84	18.10	2.00	0.00	1.00	0.00	8.85	18.30	2.00	0.00	1.00	0.00
8.86	18.51	2.00	0.00	1.00	0.00	8.87	18.72	2.00	0.00	1.00	0.00
8.88	18.92	2.00	0.00	1.00	0.00	8.89	18.70	2.00	0.00	1.00	0.00
8.90	18.69	2.00	0.00	1.00	0.00	8.91	18.67	2.00	0.00	1.00	0.00
8.92	19.42	2.00	0.00	1.00	0.00	8.93	20.06	2.00	0.00	1.00	0.00
8.94	20.59	2.00	0.00	1.00	0.00	8.95	21.01	2.00	0.00	1.00	0.00
8.96	21.54	2.00	0.00	1.00	0.00	8.97	22.07	2.00	0.00	1.00	0.00
8.98	22.70	2.00	0.00	1.00	0.00	8.99	23.23	2.00	0.00	1.00	0.00
9.00	24.19	2.00	0.00	1.00	0.00	9.01	24.28	2.00	0.00	1.00	0.00
9.02	24.37	2.00	0.00	1.00	0.00	9.03	24.79	2.00	0.00	1.00	0.00
9.04	25.53	2.00	0.00	1.00	0.00	9.05	26.05	2.00	0.00	1.00	0.00
9.06	26.36	2.00	0.00	1.00	0.00	9.07	26.35	2.00	0.00	1.00	0.00
9.08	26.12	2.00	0.00	1.00	0.00	9.09	25.57	2.00	0.00	1.00	0.00
9.10	25.44	2.00	0.00	1.00	0.00	9.11	25.11	2.00	0.00	1.00	0.00
9.12	24.99	2.00	0.00	1.00	0.00	9.13	25.83	2.00	0.00	1.00	0.00
9.14	26.03	2.00	0.00	1.00	0.00	9.15	25.80	2.00	0.00	1.00	0.00
9.16	25.78	2.00	0.00	1.00	0.00	9.17	25.77	2.00	0.00	1.00	0.00
9.18	25.75	2.00	0.00	1.00	0.00	9.19	25.63	2.00	0.00	1.00	0.00
9.20	25.51	2.00	0.00	1.00	0.00	9.21	25.07	2.00	0.00	1.00	0.00
9.22	24.74	2.00	0.00	1.00	0.00	9.23	24.62	2.00	0.00	1.00	0.00
9.24	24.07	2.00	0.00	1.00	0.00	9.25	23.63	2.00	0.00	1.00	0.00
9.26	23.72	2.00	0.00	1.00	0.00	9.27	24.24	2.00	0.00	1.00	0.00
9.28	24.65	2.00	0.00	1.00	0.00	9.29	24.85	2.00	0.00	1.00	0.00
9.30	24.83	2.00	0.00	1.00	0.00	9.31	24.93	2.00	0.00	1.00	0.00
9.32	24.81	2.00	0.00	1.00	0.00	9.33	24.79	2.00	0.00	1.00	0.00
9.34	25.41	2.00	0.00	1.00	0.00	9.35	25.82	2.00	0.00	1.00	0.00
9.36	25.70	2.00	0.00	1.00	0.00	9.37	26.22	2.00	0.00	1.00	0.00
9.38	25.36	2.00	0.00	1.00	0.00	9.39	25.24	2.00	0.00	1.00	0.00
9.40	25.01	2.00	0.00	1.00	0.00	9.41	25.11	2.00	0.00	1.00	0.00
9.42	24.99	2.00	0.00	1.00	0.00	9.43	24.97	2.00	0.00	1.00	0.00
9.44	24.96	2.00	0.00	1.00	0.00	9.45	24.73	2.00	0.00	1.00	0.00
9.46	24.30	2.00	0.00	1.00	0.00	9.47	23.97	2.00	0.00	1.00	0.00
9.48	23.64	2.00	0.00	1.00	0.00	9.49	23.00	2.00	0.00	1.00	0.00
9.50	23.41	2.00	0.00	1.00	0.00	9.51	23.18	2.00	0.00	1.00	0.00
9.52	23.17	2.00	0.00	1.00	0.00	9.53	23.16	2.00	0.00	1.00	0.00
9.54	22.62	2.00	0.00	1.00	0.00	9.55	22.40	2.00	0.00	1.00	0.00
9.56	22.60	2.00	0.00	1.00	0.00	9.57	22.80	2.00	0.00	1.00	0.00
9.58	22.89	2.00	0.00	1.00	0.00	9.59	23.09	2.00	0.00	1.00	0.00
9.60	23.18	2.00	0.00	1.00	0.00	9.61	23.37	2.00	0.00	1.00	0.00
9.62	23.99	2.00	0.00	1.00	0.00	9.63	23.24	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	23.02	2.00	0.00	1.00	0.00	9.65	23.32	2.00	0.00	1.00	0.00
9.66	24.25	2.00	0.00	1.00	0.00	9.67	25.07	2.00	0.00	1.00	0.00
9.68	25.78	2.00	0.00	1.00	0.00	9.69	26.08	2.00	0.00	1.00	0.00
9.70	25.34	2.00	0.00	1.00	0.00	9.71	26.26	2.00	0.00	1.00	0.00
9.72	25.52	2.00	0.00	1.00	0.00	9.73	24.26	2.00	0.00	1.00	0.00
9.74	24.25	2.00	0.00	1.00	0.00	9.75	24.13	2.00	0.00	1.00	0.00
9.76	24.33	2.00	0.00	1.00	0.00	9.77	24.31	2.00	0.00	1.00	0.00
9.78	24.20	2.00	0.00	1.00	0.00	9.79	23.56	2.00	0.00	1.00	0.00
9.80	23.65	2.00	0.00	1.00	0.00	9.81	23.74	2.00	0.00	1.00	0.00
9.82	23.22	2.00	0.00	1.00	0.00	9.83	23.72	2.00	0.00	1.00	0.00
9.84	23.50	2.00	0.00	1.00	0.00	9.85	23.18	2.00	0.00	1.00	0.00
9.86	23.06	2.00	0.00	1.00	0.00	9.87	23.15	2.00	0.00	1.00	0.00
9.88	23.04	2.00	0.00	1.00	0.00	9.89	23.03	2.00	0.00	1.00	0.00
9.90	23.01	2.00	0.00	1.00	0.00	9.91	23.00	2.00	0.00	1.00	0.00
9.92	22.68	2.00	0.00	1.00	0.00	9.93	22.46	2.00	0.00	1.00	0.00
9.94	22.04	2.00	0.00	1.00	0.00	9.95	21.92	2.00	0.00	1.00	0.00
9.96	21.81	2.00	0.00	1.00	0.00	9.97	21.18	2.00	0.00	1.00	0.00
9.98	20.76	2.00	0.00	1.00	0.00	9.99	20.24	2.00	0.00	1.00	0.00
10.00	19.71	2.00	0.00	1.00	0.00	10.01	18.78	2.00	0.00	1.00	0.00
10.02	18.36	2.00	0.00	1.00	0.00	10.03	18.14	2.00	0.00	1.00	0.00
10.04	17.72	2.00	0.00	1.00	0.00	10.05	17.41	2.00	0.00	1.00	0.00
10.06	17.19	2.00	0.00	1.00	0.00	10.07	17.08	2.00	0.00	1.00	0.00
10.08	17.17	2.00	0.00	1.00	0.00	10.09	17.37	2.00	0.00	1.00	0.00
10.10	17.67	2.00	0.00	1.00	0.00	10.11	17.25	2.00	0.00	1.00	0.00
10.12	17.34	2.00	0.00	1.00	0.00	10.13	17.33	2.00	0.00	1.00	0.00
10.14	17.53	2.00	0.00	1.00	0.00	10.15	17.62	2.00	0.00	1.00	0.00
10.16	17.92	2.00	0.00	1.00	0.00	10.17	18.01	2.00	0.00	1.00	0.00
10.18	17.70	2.00	0.00	1.00	0.00	10.19	17.49	2.00	0.00	1.00	0.00
10.20	17.27	2.00	0.00	1.00	0.00	10.21	17.16	2.00	0.00	1.00	0.00
10.22	16.95	2.00	0.00	1.00	0.00	10.23	16.94	2.00	0.00	1.00	0.00
10.24	16.83	2.00	0.00	1.00	0.00	10.25	16.72	2.00	0.00	1.00	0.00
10.26	17.02	2.00	0.00	1.00	0.00	10.27	17.11	2.00	0.00	1.00	0.00
10.28	17.41	2.00	0.00	1.00	0.00	10.29	17.81	2.00	0.00	1.00	0.00
10.30	17.90	2.00	0.00	1.00	0.00	10.31	18.09	2.00	0.00	1.00	0.00
10.32	18.29	2.00	0.00	1.00	0.00	10.33	18.48	2.00	0.00	1.00	0.00
10.34	18.47	2.00	0.00	1.00	0.00	10.35	18.77	2.00	0.00	1.00	0.00
10.36	18.96	2.00	0.00	1.00	0.00	10.37	19.56	2.00	0.00	1.00	0.00
10.38	19.85	2.00	0.00	1.00	0.00	10.39	20.04	2.00	0.00	1.00	0.00
10.40	20.54	2.00	0.00	1.00	0.00	10.41	20.73	2.00	0.00	1.00	0.00
10.42	20.62	2.00	0.00	1.00	0.00	10.43	20.61	2.00	0.00	1.00	0.00
10.44	20.50	2.00	0.00	1.00	0.00	10.45	20.49	2.00	0.00	1.00	0.00
10.46	20.48	2.00	0.00	1.00	0.00	10.47	20.67	2.00	0.00	1.00	0.00
10.48	20.66	2.00	0.00	1.00	0.00	10.49	20.65	2.00	0.00	1.00	0.00
10.50	20.64	2.00	0.00	1.00	0.00	10.51	20.53	2.00	0.00	1.00	0.00
10.52	20.52	2.00	0.00	1.00	0.00	10.53	20.41	2.00	0.00	1.00	0.00
10.54	20.09	2.00	0.00	1.00	0.00	10.55	20.18	2.00	0.00	1.00	0.00
10.56	20.47	2.00	0.00	1.00	0.00	10.57	20.97	2.00	0.00	1.00	0.00
10.58	22.06	2.00	0.00	1.00	0.00	10.59	22.44	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	22.73	2.00	0.00	1.00	0.00	10.61	23.12	2.00	0.00	1.00	0.00
10.62	23.21	2.00	0.00	1.00	0.00	10.63	23.30	2.00	0.00	1.00	0.00
10.64	23.59	2.00	0.00	1.00	0.00	10.65	23.58	2.00	0.00	1.00	0.00
10.66	23.46	2.00	0.00	1.00	0.00	10.67	23.45	2.00	0.00	1.00	0.00
10.68	22.94	2.00	0.00	1.00	0.00	10.69	22.73	2.00	0.00	1.00	0.00
10.70	22.52	2.00	0.00	1.00	0.00	10.71	22.11	2.00	0.00	1.00	0.00
10.72	22.10	2.00	0.00	1.00	0.00	10.73	22.09	2.00	0.00	1.00	0.00
10.74	21.98	2.00	0.00	1.00	0.00	10.75	21.47	2.00	0.00	1.00	0.00
10.76	21.26	2.00	0.00	1.00	0.00	10.77	20.95	2.00	0.00	1.00	0.00
10.78	20.85	2.00	0.00	1.00	0.00	10.79	20.74	2.00	0.00	1.00	0.00
10.80	20.63	2.00	0.00	1.00	0.00	10.81	20.62	2.00	0.00	1.00	0.00
10.82	19.81	2.00	0.00	1.00	0.00	10.83	19.31	2.00	0.00	1.00	0.00
10.84	18.71	2.00	0.00	1.00	0.00	10.85	18.30	2.00	0.00	1.00	0.00
10.86	18.09	2.00	0.00	1.00	0.00	10.87	18.08	2.00	0.00	1.00	0.00
10.88	17.38	2.00	0.00	1.00	0.00	10.89	17.08	2.00	0.00	1.00	0.00
10.90	17.07	2.00	0.00	1.00	0.00	10.91	17.06	2.00	0.00	1.00	0.00
10.92	16.66	2.00	0.00	1.00	0.00	10.93	17.44	2.00	0.00	1.00	0.00
10.94	17.63	2.00	0.00	1.00	0.00	10.95	17.82	2.00	0.00	1.00	0.00
10.96	18.01	2.00	0.00	1.00	0.00	10.97	18.78	2.00	0.00	1.00	0.00
10.98	19.17	2.00	0.00	1.00	0.00	10.99	19.26	2.00	0.00	1.00	0.00
11.00	18.86	2.00	0.00	1.00	0.00	11.01	19.04	2.00	0.00	1.00	0.00
11.02	19.43	2.00	0.00	1.00	0.00	11.03	20.89	2.00	0.00	1.00	0.00
11.04	21.47	2.00	0.00	1.00	0.00	11.05	22.44	2.00	0.00	1.00	0.00
11.06	23.41	2.00	0.00	1.00	0.00	11.07	24.38	2.00	0.00	1.00	0.00
11.08	25.64	2.00	0.00	1.00	0.00	11.09	24.65	2.00	0.00	1.00	0.00
11.10	24.64	2.00	0.00	1.00	0.00	11.11	25.02	2.00	0.00	1.00	0.00
11.12	25.30	2.00	0.00	1.00	0.00	11.13	25.68	2.00	0.00	1.00	0.00
11.14	26.06	2.00	0.00	1.00	0.00	11.15	26.74	2.00	0.00	1.00	0.00
11.16	27.21	2.00	0.00	1.00	0.00	11.17	27.59	2.00	0.00	1.00	0.00
11.18	28.55	2.00	0.00	1.00	0.00	11.19	28.05	2.00	0.00	1.00	0.00
11.20	27.65	2.00	0.00	1.00	0.00	11.21	27.54	2.00	0.00	1.00	0.00
11.22	27.63	2.00	0.00	1.00	0.00	11.23	27.42	2.00	0.00	1.00	0.00
11.24	27.31	2.00	0.00	1.00	0.00	11.25	27.00	2.00	0.00	1.00	0.00
11.26	26.60	2.00	0.00	1.00	0.00	11.27	25.42	2.00	0.00	1.00	0.00
11.28	25.12	2.00	0.00	1.00	0.00	11.29	24.91	2.00	0.00	1.00	0.00
11.30	24.32	2.00	0.00	1.00	0.00	11.31	24.50	2.00	0.00	1.00	0.00
11.32	24.49	2.00	0.00	1.00	0.00	11.33	24.48	2.00	0.00	1.00	0.00
11.34	24.56	2.00	0.00	1.00	0.00	11.35	24.55	2.00	0.00	1.00	0.00
11.36	24.35	2.00	0.00	1.00	0.00	11.37	24.24	2.00	0.00	1.00	0.00
11.38	24.03	2.00	0.00	1.00	0.00	11.39	24.31	2.00	0.00	1.00	0.00
11.40	24.78	2.00	0.00	1.00	0.00	11.41	25.06	2.00	0.00	1.00	0.00
11.42	24.95	2.00	0.00	1.00	0.00	11.43	24.85	2.00	0.00	1.00	0.00
11.44	24.54	2.00	0.00	1.00	0.00	11.45	24.24	2.00	0.00	1.00	0.00
11.46	24.23	2.00	0.00	1.00	0.00	11.47	24.80	2.00	0.00	1.00	0.00
11.48	26.43	2.00	0.00	1.00	0.00	11.49	27.86	2.00	0.00	1.00	0.00
11.50	28.04	2.00	0.00	1.00	0.00	11.51	26.58	2.00	0.00	1.00	0.00
11.52	26.67	2.00	0.00	1.00	0.00	11.53	25.40	2.00	0.00	1.00	0.00
11.54	25.01	2.00	0.00	1.00	0.00	11.55	24.80	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	24.98	2.00	0.00	1.00	0.00	11.57	24.78	2.00	0.00	1.00	0.00
11.58	24.77	2.00	0.00	1.00	0.00	11.59	24.08	2.00	0.00	1.00	0.00
11.60	23.69	2.00	0.00	1.00	0.00	11.61	23.39	2.00	0.00	1.00	0.00
11.62	22.32	2.00	0.00	1.00	0.00	11.63	22.03	2.00	0.00	1.00	0.00
11.64	21.44	2.00	0.00	1.00	0.00	11.65	20.66	2.00	0.00	1.00	0.00
11.66	20.37	2.00	0.00	1.00	0.00	11.67	19.88	2.00	0.00	1.00	0.00
11.68	19.11	2.00	0.00	1.00	0.00	11.69	18.72	2.00	0.00	1.00	0.00
11.70	18.33	2.00	0.00	1.00	0.00	11.71	17.55	2.00	0.00	1.00	0.00
11.72	16.98	2.00	0.00	1.00	0.00	11.73	16.49	2.00	0.00	1.00	0.00
11.74	15.44	2.00	0.00	1.00	0.00	11.75	15.52	2.00	0.00	1.00	0.00
11.76	16.18	2.00	0.00	1.00	0.00	11.77	16.84	2.00	0.00	1.00	0.00
11.78	17.59	2.00	0.00	1.00	0.00	11.79	19.10	2.00	0.00	1.00	0.00
11.80	19.76	2.00	0.00	1.00	0.00	11.81	20.23	2.00	0.00	1.00	0.00
11.82	20.31	2.00	0.00	1.00	0.00	11.83	20.68	2.00	0.00	1.00	0.00
11.84	20.96	2.00	0.00	1.00	0.00	11.85	21.61	2.00	0.00	1.00	0.00
11.86	21.41	2.00	0.00	1.00	0.00	11.87	22.07	2.00	0.00	1.00	0.00
11.88	22.91	2.00	0.00	1.00	0.00	11.89	23.28	2.00	0.00	1.00	0.00
11.90	23.27	2.00	0.00	1.00	0.00	11.91	23.26	2.00	0.00	1.00	0.00
11.92	23.72	2.00	0.00	1.00	0.00	11.93	26.46	2.00	0.00	1.00	0.00
11.94	27.49	2.00	0.00	1.00	0.00	11.95	31.08	2.00	0.00	1.00	0.00
11.96	30.60	2.00	0.00	1.00	0.00	11.97	28.88	2.00	0.00	1.00	0.00
11.98	24.99	2.00	0.00	1.00	0.00	11.99	24.03	2.00	0.00	1.00	0.00
12.00	23.74	2.00	0.00	1.00	0.00	12.01	22.12	2.00	0.00	1.00	0.00
12.02	21.64	2.00	0.00	1.00	0.00	12.03	21.16	2.00	0.00	1.00	0.00
12.04	20.58	2.00	0.00	1.00	0.00	12.05	19.63	2.00	0.00	1.00	0.00
12.06	19.34	2.00	0.00	1.00	0.00	12.07	19.05	2.00	0.00	1.00	0.00
12.08	18.67	2.00	0.00	1.00	0.00	12.09	18.28	2.00	0.00	1.00	0.00
12.10	18.09	2.00	0.00	1.00	0.00	12.11	17.89	2.00	0.00	1.00	0.00
12.12	17.79	2.00	0.00	1.00	0.00	12.13	17.69	2.00	0.00	1.00	0.00
12.14	17.86	2.00	0.00	1.00	0.00	12.15	17.67	2.00	0.00	1.00	0.00
12.16	17.29	2.00	0.00	1.00	0.00	12.17	17.19	2.00	0.00	1.00	0.00
12.18	17.18	2.00	0.00	1.00	0.00	12.19	17.26	2.00	0.00	1.00	0.00
12.20	17.26	2.00	0.00	1.00	0.00	12.21	18.28	2.00	0.00	1.00	0.00
12.22	18.18	2.00	0.00	1.00	0.00	12.23	17.98	2.00	0.00	1.00	0.00
12.24	18.53	2.00	0.00	1.00	0.00	12.25	19.55	2.00	0.00	1.00	0.00
12.26	19.17	2.00	0.00	1.00	0.00	12.27	17.39	2.00	0.00	1.00	0.00
12.28	16.73	2.00	0.00	1.00	0.00	12.29	16.54	2.00	0.00	1.00	0.00
12.30	16.34	2.00	0.00	1.00	0.00	12.31	16.06	2.00	0.00	1.00	0.00
12.32	15.31	2.00	0.00	1.00	0.00	12.33	15.02	2.00	0.00	1.00	0.00
12.34	14.65	2.00	0.00	1.00	0.00	12.35	14.45	2.00	0.00	1.00	0.00
12.36	14.26	2.00	0.00	1.00	0.00	12.37	13.79	2.00	0.00	1.00	0.00
12.38	13.70	2.00	0.00	1.00	0.00	12.39	13.69	2.00	0.00	1.00	0.00
12.40	13.68	2.00	0.00	1.00	0.00	12.41	13.77	2.00	0.00	1.00	0.00
12.42	13.95	2.00	0.00	1.00	0.00	12.43	14.04	2.00	0.00	1.00	0.00
12.44	14.03	2.00	0.00	1.00	0.00	12.45	14.30	2.00	0.00	1.00	0.00
12.46	14.48	2.00	0.00	1.00	0.00	12.47	14.57	2.00	0.00	1.00	0.00
12.48	14.56	2.00	0.00	1.00	0.00	12.49	14.55	2.00	0.00	1.00	0.00
12.50	14.09	2.00	0.00	1.00	0.00	12.51	13.90	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
12.52	13.98	2.00	0.00	1.00	0.00	12.53	14.25	2.00	0.00	1.00	0.00
12.54	14.25	2.00	0.00	1.00	0.00	12.55	14.43	2.00	0.00	1.00	0.00
12.56	14.51	2.00	0.00	1.00	0.00	12.57	14.60	2.00	0.00	1.00	0.00
12.58	15.42	2.00	0.00	1.00	0.00	12.59	15.69	2.00	0.00	1.00	0.00
12.60	16.05	2.00	0.00	1.00	0.00	12.61	16.69	2.00	0.00	1.00	0.00
12.62	16.59	2.00	0.00	1.00	0.00	12.63	17.50	2.00	0.00	1.00	0.00
12.64	17.59	2.00	0.00	1.00	0.00	12.65	17.94	2.00	0.00	1.00	0.00
12.66	20.14	2.00	0.00	1.00	0.00	12.67	19.03	2.00	0.00	1.00	0.00
12.68	18.84	2.00	0.00	1.00	0.00	12.69	18.74	2.00	0.00	1.00	0.00
12.70	19.01	2.00	0.00	1.00	0.00	12.71	19.46	2.00	0.00	1.00	0.00
12.72	19.64	2.00	0.00	1.00	0.00	12.73	20.00	2.00	0.00	1.00	0.00
12.74	20.17	2.00	0.00	1.00	0.00	12.75	20.17	2.00	0.00	1.00	0.00
12.76	19.88	2.00	0.00	1.00	0.00	12.77	20.06	2.00	0.00	1.00	0.00
12.78	19.87	2.00	0.00	1.00	0.00	12.79	19.59	2.00	0.00	1.00	0.00
12.80	19.67	2.00	0.00	1.00	0.00	12.81	20.12	2.00	0.00	1.00	0.00
12.82	20.20	2.00	0.00	1.00	0.00	12.83	20.10	2.00	0.00	1.00	0.00
12.84	20.37	2.00	0.00	1.00	0.00	12.85	20.45	2.00	0.00	1.00	0.00
12.86	20.63	2.00	0.00	1.00	0.00	12.87	21.81	2.00	0.00	1.00	0.00
12.88	21.52	2.00	0.00	1.00	0.00	12.89	20.42	2.00	0.00	1.00	0.00
12.90	20.41	2.00	0.00	1.00	0.00	12.91	20.40	2.00	0.00	1.00	0.00
12.92	21.12	2.00	0.00	1.00	0.00	12.93	21.11	2.00	0.00	1.00	0.00
12.94	20.65	2.00	0.00	1.00	0.00	12.95	20.46	2.00	0.00	1.00	0.00
12.96	20.54	2.00	0.00	1.00	0.00	12.97	20.71	2.00	0.00	1.00	0.00
12.98	20.89	2.00	0.00	1.00	0.00	12.99	21.24	2.00	0.00	1.00	0.00
13.00	21.60	2.00	0.00	1.00	0.00	13.01	21.68	2.00	0.00	1.00	0.00
13.02	22.40	2.00	0.00	1.00	0.00	13.03	22.12	2.00	0.00	1.00	0.00
13.04	22.11	2.00	0.00	1.00	0.00	13.05	22.37	2.00	0.00	1.00	0.00
13.06	22.54	2.00	0.00	1.00	0.00	13.07	22.72	2.00	0.00	1.00	0.00
13.08	22.52	2.00	0.00	1.00	0.00	13.09	22.42	2.00	0.00	1.00	0.00
13.10	22.78	2.00	0.00	1.00	0.00	13.11	22.77	2.00	0.00	1.00	0.00
13.12	22.21	2.00	0.00	1.00	0.00	13.13	21.84	2.00	0.00	1.00	0.00
13.14	21.38	2.00	0.00	1.00	0.00	13.15	20.65	2.00	0.00	1.00	0.00
13.16	20.28	2.00	0.00	1.00	0.00	13.17	19.82	2.00	0.00	1.00	0.00
13.18	19.81	2.00	0.00	1.00	0.00	13.19	19.62	2.00	0.00	1.00	0.00
13.20	19.25	2.00	0.00	1.00	0.00	13.21	18.97	2.00	0.00	1.00	0.00
13.22	18.87	2.00	0.00	1.00	0.00	13.23	18.68	2.00	0.00	1.00	0.00
13.24	18.77	2.00	0.00	1.00	0.00	13.25	18.67	2.00	0.00	1.00	0.00
13.26	18.48	2.00	0.00	1.00	0.00	13.27	18.47	2.00	0.00	1.00	0.00
13.28	18.73	2.00	0.00	1.00	0.00	13.29	18.91	2.00	0.00	1.00	0.00
13.30	18.45	2.00	0.00	1.00	0.00	13.31	18.26	2.00	0.00	1.00	0.00
13.32	18.25	2.00	0.00	1.00	0.00	13.33	18.25	2.00	0.00	1.00	0.00
13.34	18.24	2.00	0.00	1.00	0.00	13.35	18.23	2.00	0.00	1.00	0.00
13.36	18.40	2.00	0.00	1.00	0.00	13.37	18.93	2.00	0.00	1.00	0.00
13.38	19.11	2.00	0.00	1.00	0.00	13.39	19.82	2.00	0.00	1.00	0.00
13.40	19.99	2.00	0.00	1.00	0.00	13.41	20.25	2.00	0.00	1.00	0.00
13.42	20.24	2.00	0.00	1.00	0.00	13.43	20.41	2.00	0.00	1.00	0.00
13.44	20.22	2.00	0.00	1.00	0.00	13.45	20.30	2.00	0.00	1.00	0.00
13.46	20.39	2.00	0.00	1.00	0.00	13.47	20.29	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
13.48	20.28	2.00	0.00	1.00	0.00	13.49	20.45	2.00	0.00	1.00	0.00
13.50	20.44	2.00	0.00	1.00	0.00	13.51	20.17	2.00	0.00	1.00	0.00
13.52	19.98	2.00	0.00	1.00	0.00	13.53	19.79	2.00	0.00	1.00	0.00
13.54	19.78	2.00	0.00	1.00	0.00	13.55	19.78	2.00	0.00	1.00	0.00
13.56	19.77	2.00	0.00	1.00	0.00	13.57	19.76	2.00	0.00	1.00	0.00
13.58	19.13	2.00	0.00	1.00	0.00	13.59	18.68	2.00	0.00	1.00	0.00
13.60	18.23	2.00	0.00	1.00	0.00	13.61	17.60	2.00	0.00	1.00	0.00
13.62	17.32	2.00	0.00	1.00	0.00	13.63	16.87	2.00	0.00	1.00	0.00
13.64	16.78	2.00	0.00	1.00	0.00	13.65	16.77	2.00	0.00	1.00	0.00
13.66	16.50	2.00	0.00	1.00	0.00	13.67	16.31	2.00	0.00	1.00	0.00
13.68	15.78	2.00	0.00	1.00	0.00	13.69	15.51	2.00	0.00	1.00	0.00
13.70	15.24	2.00	0.00	1.00	0.00	13.71	15.14	2.00	0.00	1.00	0.00
13.72	14.87	2.00	0.00	1.00	0.00	13.73	14.78	2.00	0.00	1.00	0.00
13.74	14.68	2.00	0.00	1.00	0.00	13.75	14.41	2.00	0.00	1.00	0.00
13.76	14.41	2.00	0.00	1.00	0.00	13.77	14.40	2.00	0.00	1.00	0.00
13.78	14.40	2.00	0.00	1.00	0.00	13.79	14.13	2.00	0.00	1.00	0.00
13.80	14.03	2.00	0.00	1.00	0.00						

**Total estimated settlement: 16.93**

#### Abbreviations

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

**LIQUEFACTION ANALYSIS REPORT**

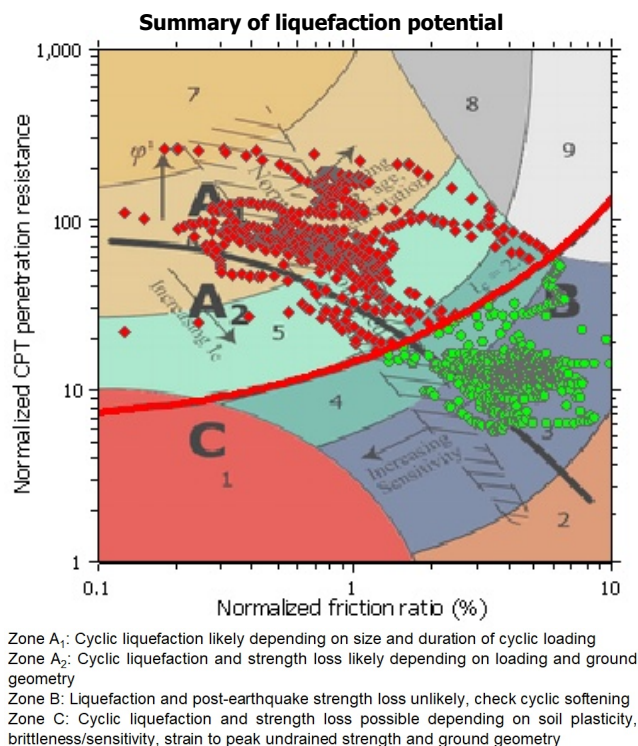
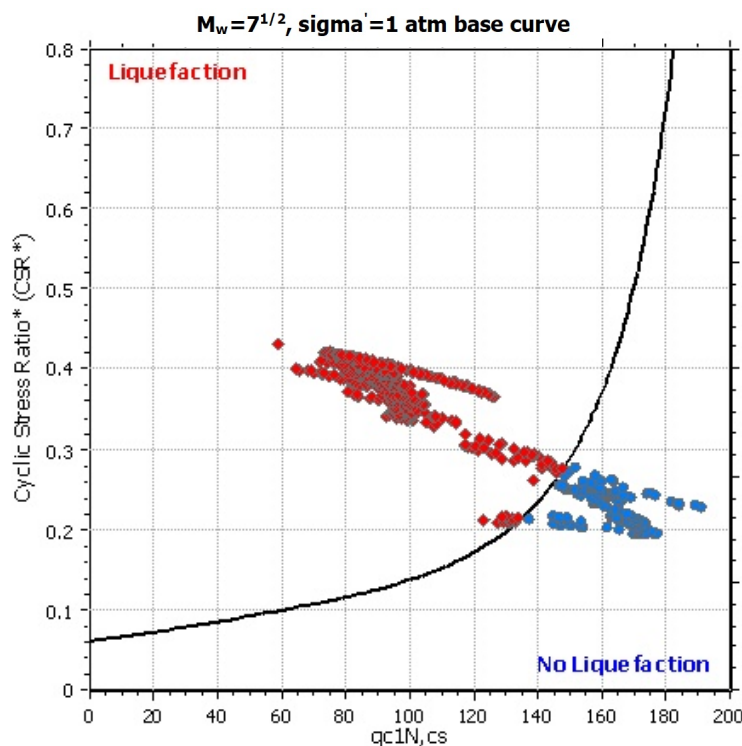
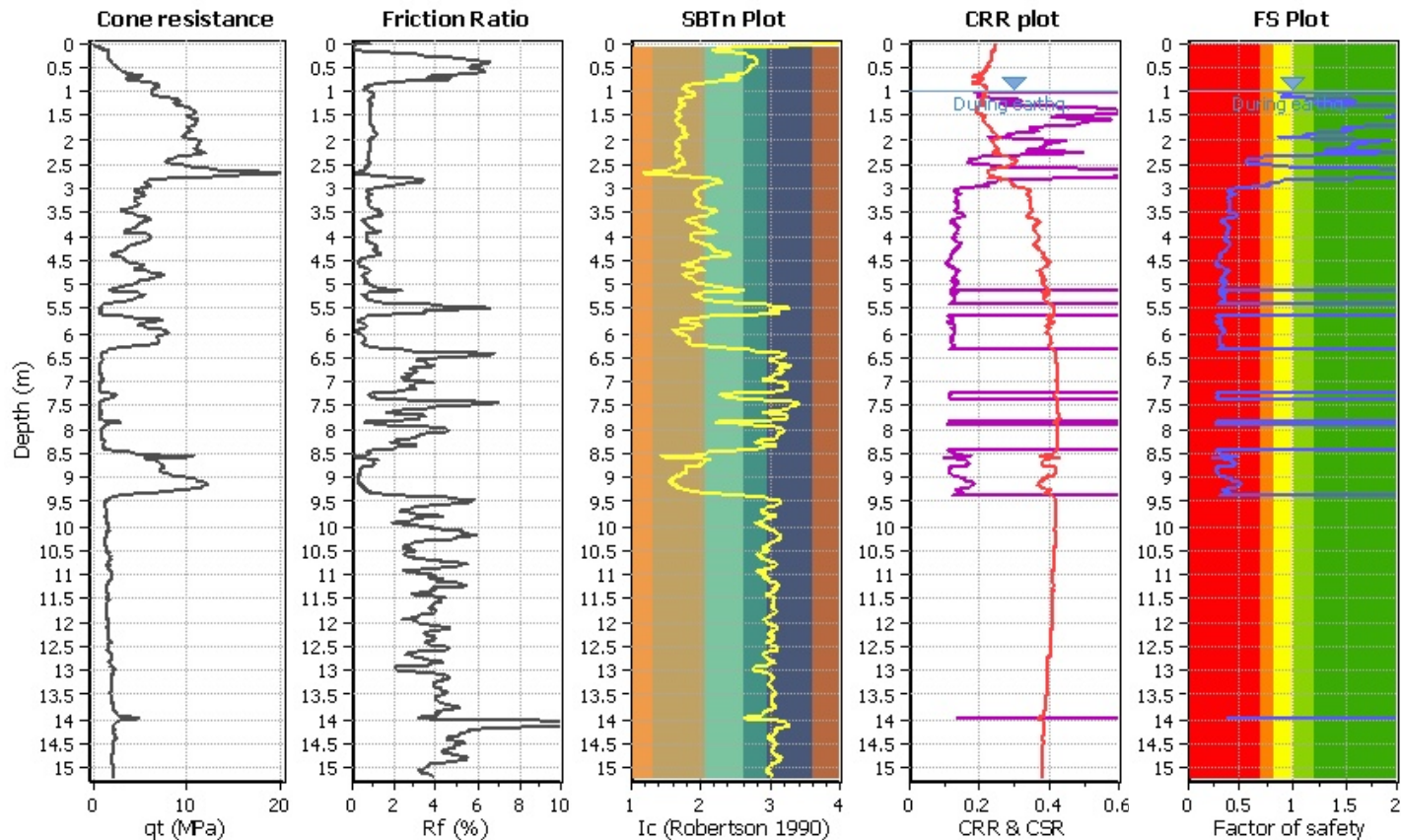
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

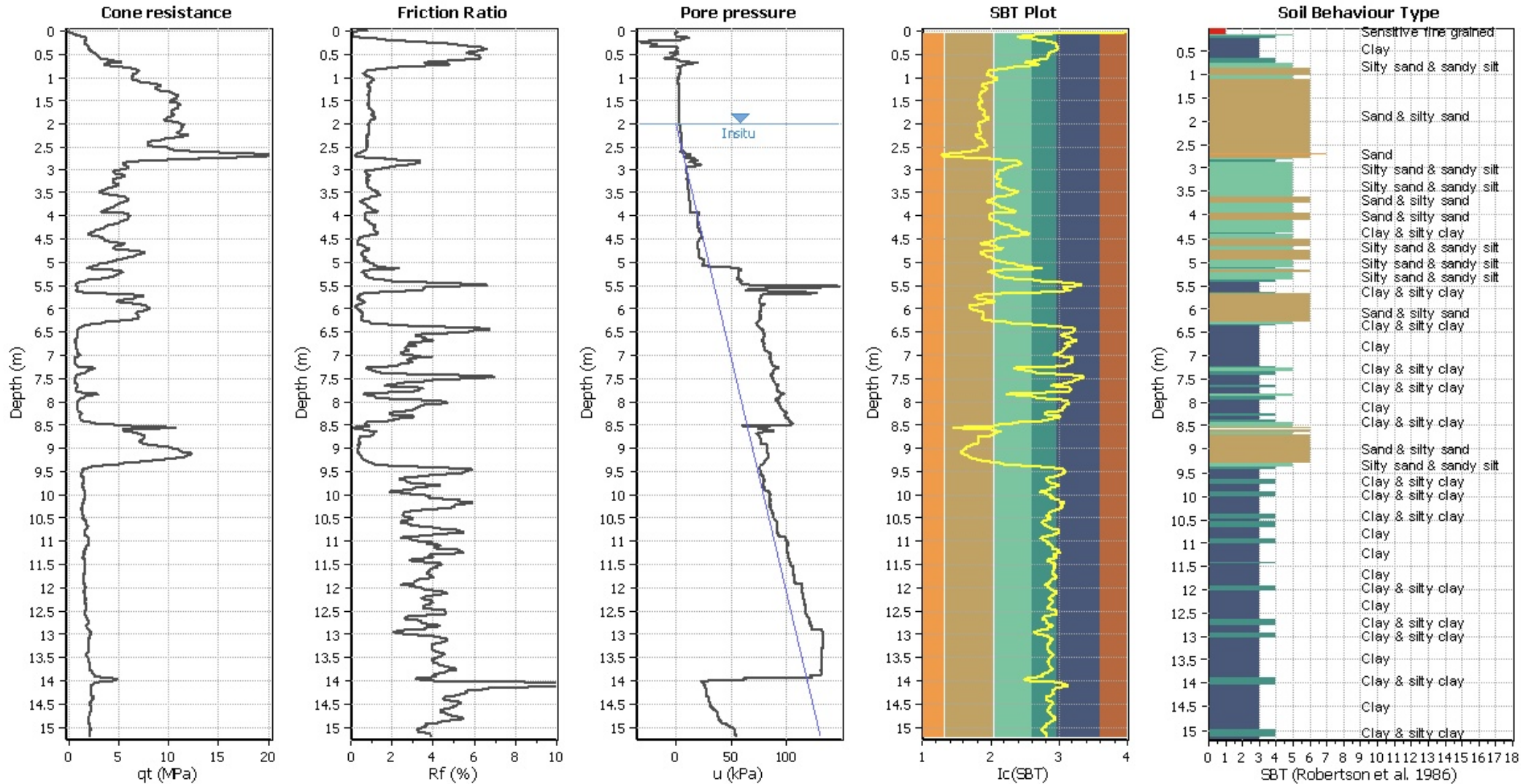
**CPT file : CPTU-14-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



#### Input parameters and analysis data

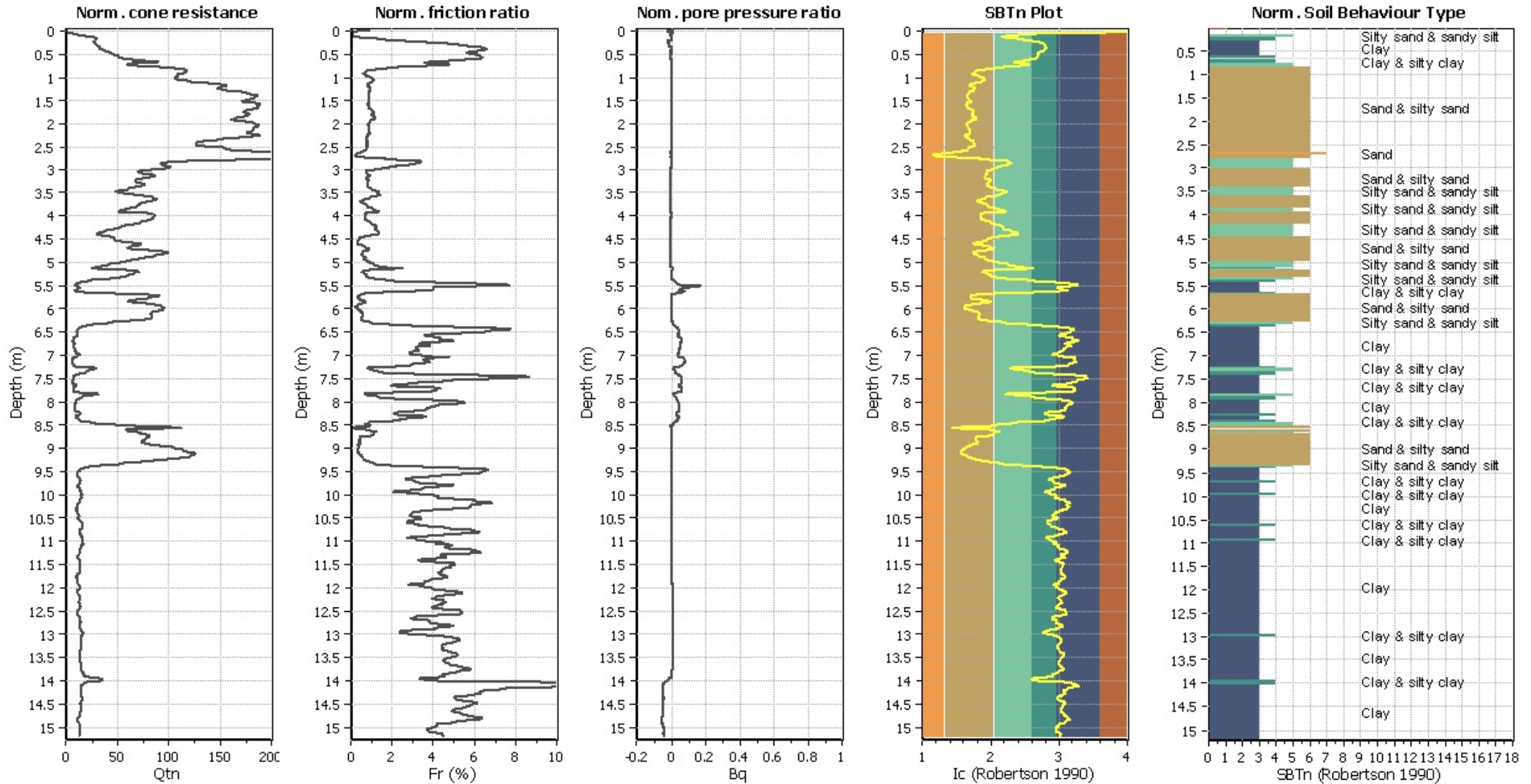
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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



### CPT basic interpretation plots (normaliz



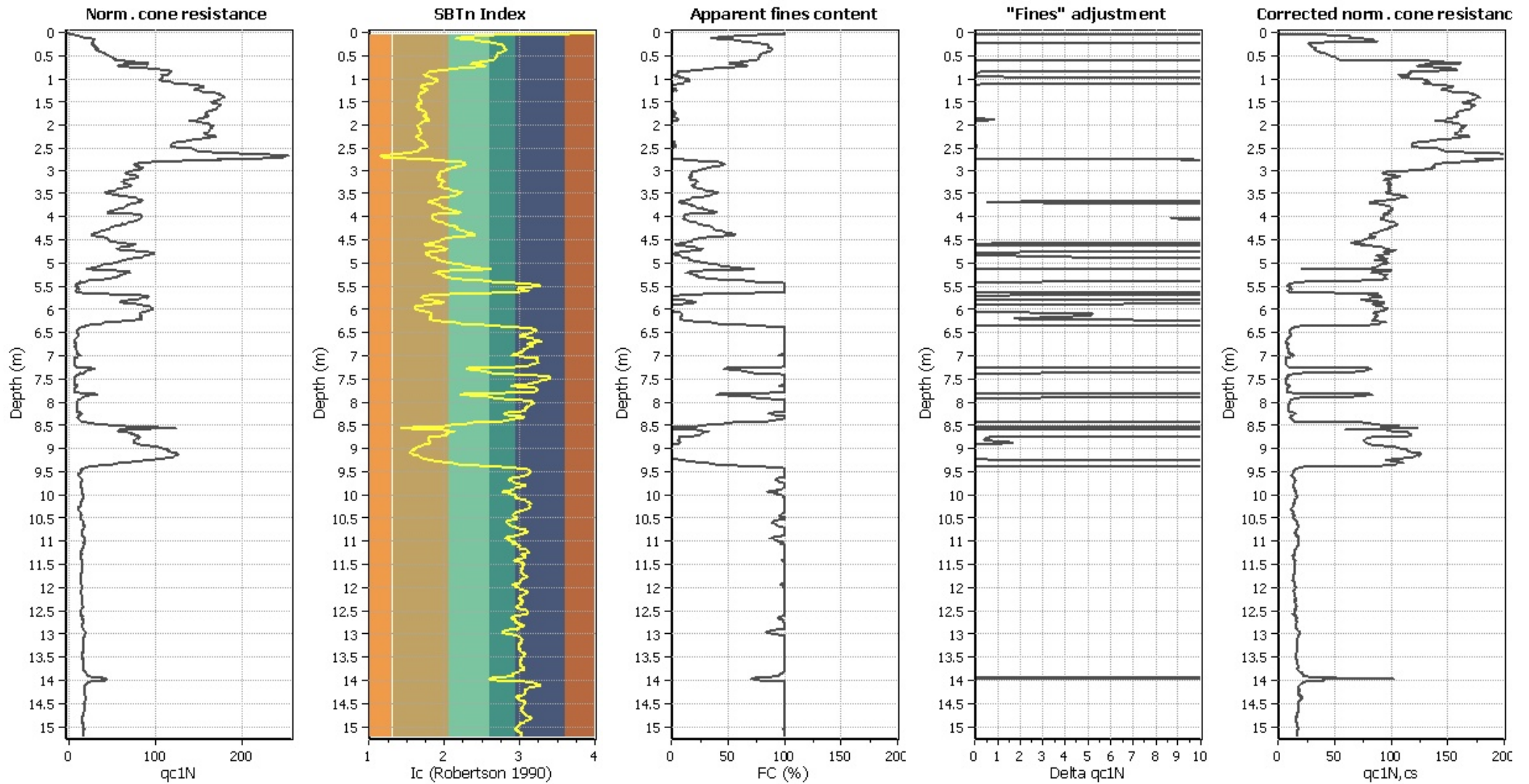
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

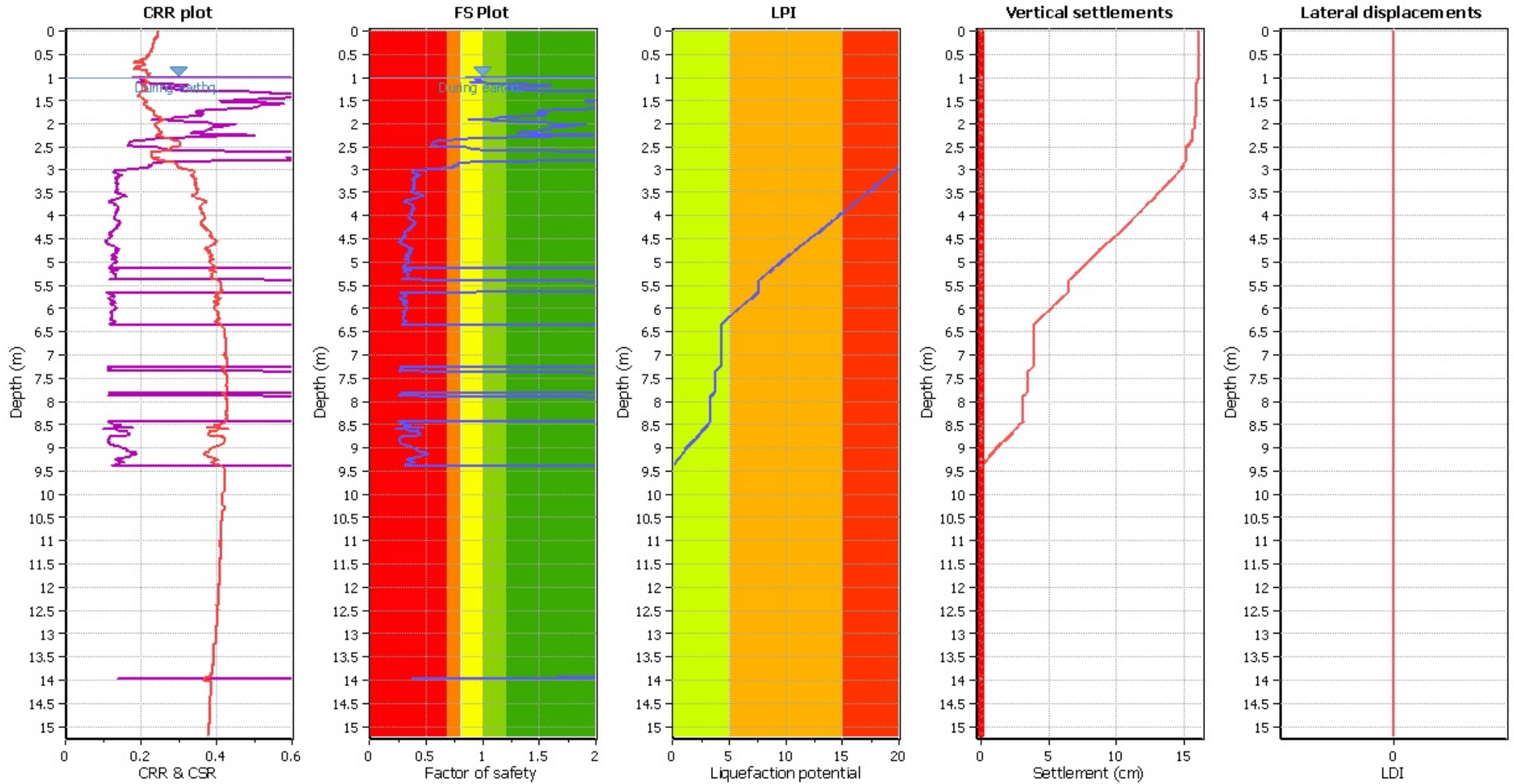
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

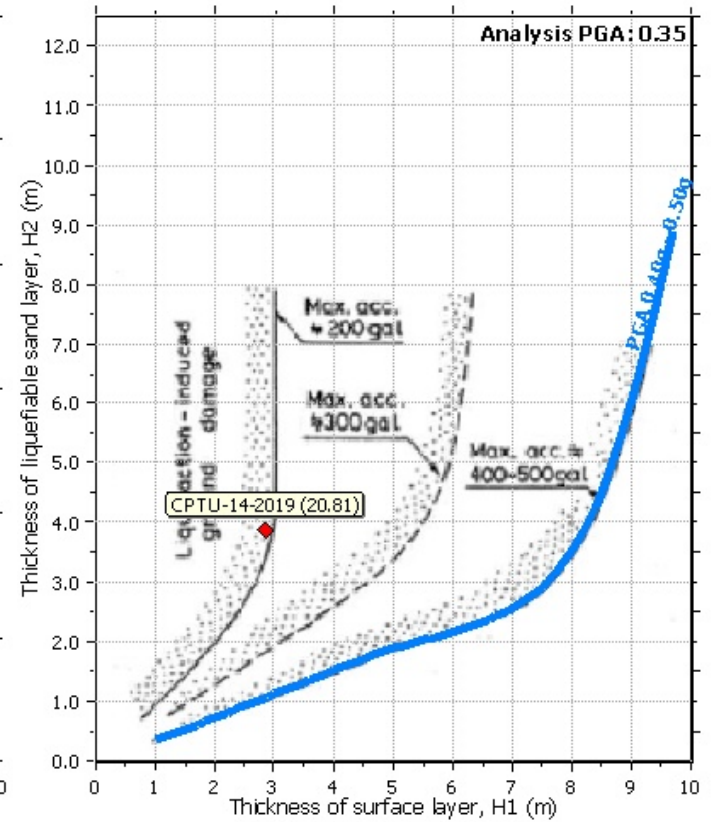
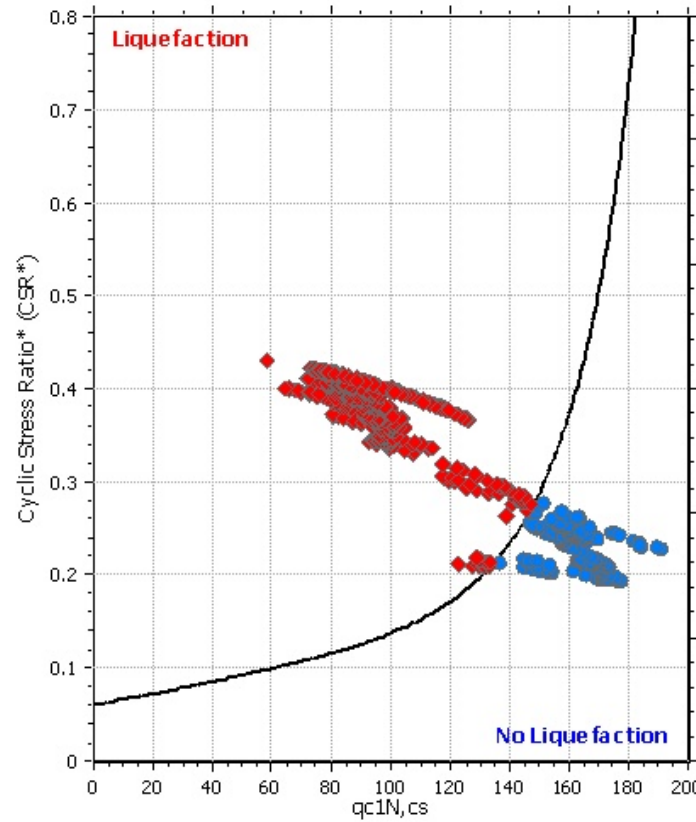
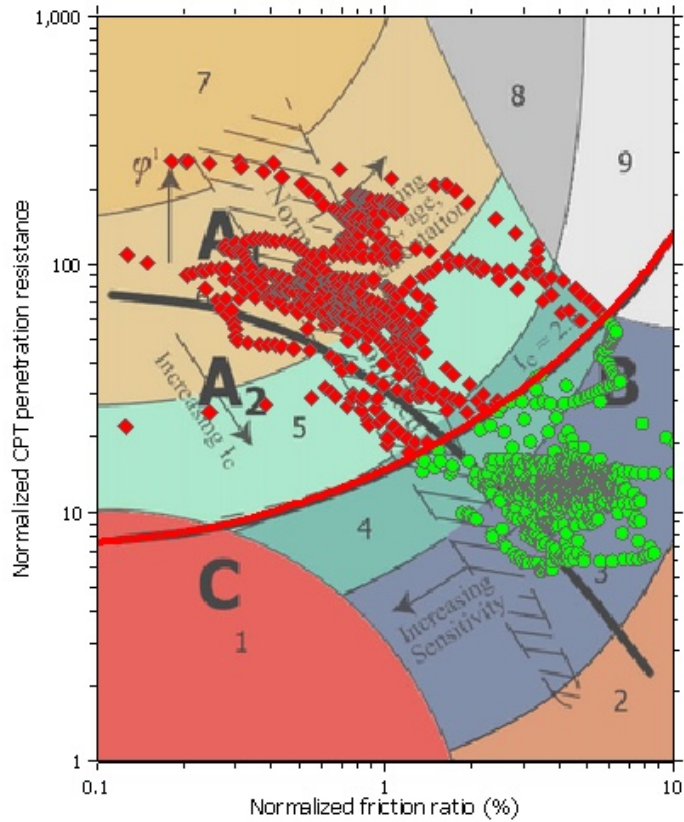
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

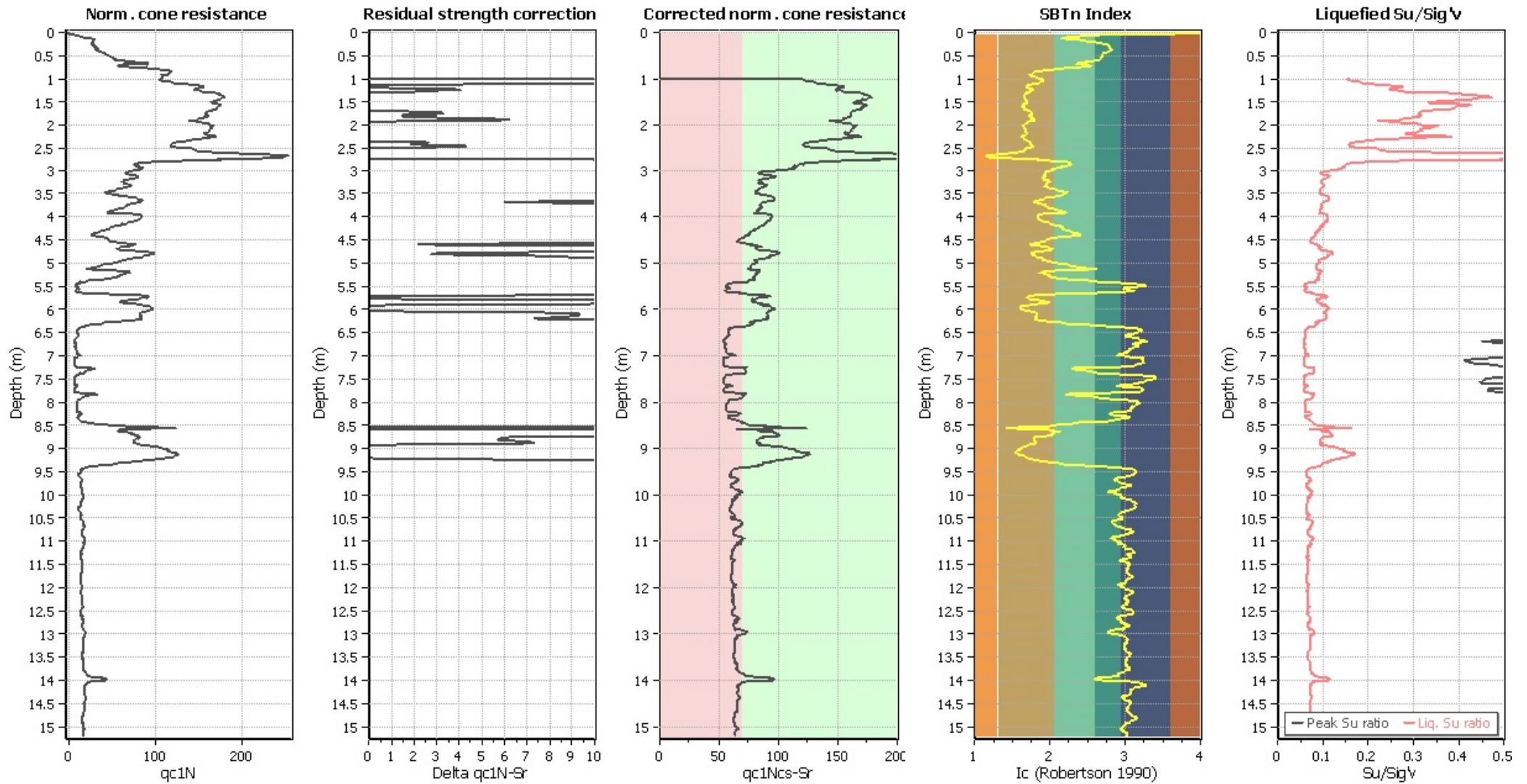
### Liquefaction analysis summary plo



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>σ</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	0.84	0.16	9.49	0.01	0.01	1.02	0.91	0.09	9.49	0.01	0.01
1.03	0.94	0.06	9.49	0.01	0.01	1.04	0.96	0.04	9.48	0.01	0.00
1.05	0.96	0.04	9.48	0.01	0.00	1.06	0.99	0.01	9.47	0.01	0.00
1.07	0.98	0.02	9.47	0.01	0.00	1.08	0.95	0.05	9.46	0.01	0.01
1.09	0.96	0.04	9.46	0.01	0.00	1.10	0.92	0.08	9.45	0.01	0.01
1.11	0.89	0.11	9.45	0.01	0.01	1.12	0.98	0.02	9.44	0.01	0.00
1.13	1.05	0.00	9.44	0.01	0.00	1.14	1.26	0.00	9.43	0.01	0.00
1.15	1.34	0.00	9.43	0.01	0.00	1.16	1.43	0.00	9.42	0.01	0.00
1.17	1.56	0.00	9.41	0.01	0.00	1.18	1.60	0.00	9.41	0.01	0.00
1.19	1.58	0.00	9.41	0.01	0.00	1.20	1.52	0.00	9.40	0.01	0.00
1.21	1.37	0.00	9.40	0.01	0.00	1.22	1.30	0.00	9.39	0.01	0.00
1.23	1.25	0.00	9.39	0.01	0.00	1.24	1.20	0.00	9.38	0.01	0.00
1.25	1.20	0.00	9.38	0.01	0.00	1.26	1.26	0.00	9.37	0.01	0.00
1.27	1.34	0.00	9.37	0.01	0.00	1.28	1.49	0.00	9.36	0.01	0.00
1.29	1.95	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	1.91	0.00	9.24	0.01	0.00	1.52	1.90	0.00	9.24	0.01	0.00
1.53	1.92	0.00	9.24	0.01	0.00	1.54	1.98	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	1.97	0.00	9.16	0.01	0.00
1.69	1.87	0.00	9.16	0.01	0.00	1.70	1.74	0.00	9.15	0.01	0.00
1.71	1.65	0.00	9.15	0.01	0.00	1.72	1.54	0.00	9.14	0.01	0.00
1.73	1.50	0.00	9.14	0.01	0.00	1.74	1.49	0.00	9.13	0.01	0.00
1.75	1.48	0.00	9.13	0.01	0.00	1.76	1.48	0.00	9.12	0.01	0.00
1.77	1.50	0.00	9.12	0.01	0.00	1.78	1.48	0.00	9.11	0.01	0.00
1.79	1.53	0.00	9.11	0.01	0.00	1.80	1.55	0.00	9.10	0.01	0.00
1.81	1.56	0.00	9.10	0.01	0.00	1.82	1.54	0.00	9.09	0.01	0.00
1.83	1.46	0.00	9.09	0.01	0.00	1.84	1.43	0.00	9.08	0.01	0.00
1.85	1.31	0.00	9.07	0.01	0.00	1.86	1.25	0.00	9.07	0.01	0.00
1.87	1.16	0.00	9.07	0.01	0.00	1.88	1.13	0.00	9.06	0.01	0.00
1.89	1.12	0.00	9.06	0.01	0.00	1.90	1.11	0.00	9.05	0.01	0.00
1.91	1.09	0.00	9.05	0.01	0.00	1.92	0.87	0.13	9.04	0.01	0.01

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.06	0.00	9.04	0.01	0.00	1.94	1.10	0.00	9.03	0.01	0.00
1.95	1.21	0.00	9.03	0.01	0.00	1.96	1.26	0.00	9.02	0.01	0.00
1.97	1.33	0.00	9.02	0.01	0.00	1.98	1.48	0.00	9.01	0.01	0.00
1.99	1.56	0.00	9.01	0.01	0.00	2.00	1.62	0.00	9.00	0.01	0.00
2.01	1.92	0.00	8.99	0.01	0.00	2.02	1.90	0.00	8.99	0.01	0.00
2.03	1.83	0.00	8.99	0.01	0.00	2.04	1.82	0.00	8.98	0.01	0.00
2.05	1.79	0.00	8.98	0.01	0.00	2.06	1.74	0.00	8.97	0.01	0.00
2.07	1.73	0.00	8.97	0.01	0.00	2.08	1.67	0.00	8.96	0.01	0.00
2.09	1.62	0.00	8.96	0.01	0.00	2.10	1.58	0.00	8.95	0.01	0.00
2.11	1.56	0.00	8.95	0.01	0.00	2.12	1.57	0.00	8.94	0.01	0.00
2.13	1.59	0.00	8.94	0.01	0.00	2.14	1.58	0.00	8.93	0.01	0.00
2.15	1.54	0.00	8.93	0.01	0.00	2.16	1.48	0.00	8.92	0.01	0.00
2.17	1.39	0.00	8.91	0.01	0.00	2.18	1.34	0.00	8.91	0.01	0.00
2.19	1.33	0.00	8.91	0.01	0.00	2.20	1.31	0.00	8.90	0.01	0.00
2.21	1.38	0.00	8.90	0.01	0.00	2.22	1.43	0.00	8.89	0.01	0.00
2.23	1.77	0.00	8.89	0.01	0.00	2.24	1.93	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	1.87	0.00	8.87	0.01	0.00	2.28	1.71	0.00	8.86	0.01	0.00
2.29	1.46	0.00	8.86	0.01	0.00	2.30	1.34	0.00	8.85	0.01	0.00
2.31	1.25	0.00	8.85	0.01	0.00	2.32	1.06	0.00	8.84	0.01	0.00
2.33	0.97	0.03	8.84	0.01	0.00	2.34	0.87	0.13	8.83	0.01	0.01
2.35	0.72	0.28	8.82	0.01	0.02	2.36	0.67	0.33	8.82	0.01	0.03
2.37	0.63	0.37	8.82	0.01	0.03	2.38	0.58	0.42	8.81	0.01	0.04
2.39	0.57	0.43	8.81	0.01	0.04	2.40	0.56	0.44	8.80	0.01	0.04
2.41	0.55	0.45	8.80	0.01	0.04	2.42	0.55	0.45	8.79	0.01	0.04
2.43	0.55	0.45	8.79	0.01	0.04	2.44	0.55	0.45	8.78	0.01	0.04
2.45	0.55	0.45	8.78	0.01	0.04	2.46	0.54	0.46	8.77	0.01	0.04
2.47	0.54	0.46	8.77	0.01	0.04	2.48	0.57	0.43	8.76	0.01	0.04
2.49	0.59	0.41	8.76	0.01	0.04	2.50	0.63	0.37	8.75	0.01	0.03
2.51	0.72	0.28	8.74	0.01	0.02	2.52	0.77	0.23	8.74	0.01	0.02
2.53	0.86	0.14	8.74	0.01	0.01	2.54	0.90	0.10	8.73	0.01	0.01
2.55	0.91	0.09	8.73	0.01	0.01	2.56	0.95	0.05	8.72	0.01	0.00
2.57	0.98	0.02	8.72	0.01	0.00	2.58	1.06	0.00	8.71	0.01	0.00
2.59	1.42	0.00	8.71	0.01	0.00	2.60	1.82	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	2.00	0.00	8.63	0.01	0.00
2.75	2.00	0.00	8.63	0.01	0.00	2.76	2.00	0.00	8.62	0.01	0.00
2.77	2.00	0.00	8.62	0.01	0.00	2.78	2.00	0.00	8.61	0.01	0.00
2.79	2.00	0.00	8.61	0.01	0.00	2.80	1.58	0.00	8.60	0.01	0.00
2.81	1.54	0.00	8.60	0.01	0.00	2.82	1.31	0.00	8.59	0.01	0.00
2.83	1.09	0.00	8.59	0.01	0.00	2.84	0.90	0.10	8.58	0.01	0.01
2.85	0.87	0.13	8.57	0.01	0.01	2.86	0.81	0.19	8.57	0.01	0.02
2.87	0.79	0.21	8.57	0.01	0.02	2.88	0.78	0.22	8.56	0.01	0.02



## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.78	0.22	8.56	0.01	0.02	2.90	0.75	0.25	8.55	0.01	0.02
2.91	0.73	0.27	8.55	0.01	0.02	2.92	0.76	0.24	8.54	0.01	0.02
2.93	0.77	0.23	8.54	0.01	0.02	2.94	0.73	0.27	8.53	0.01	0.02
2.95	0.68	0.32	8.53	0.01	0.03	2.96	0.64	0.36	8.52	0.01	0.03
2.97	0.62	0.38	8.52	0.01	0.03	2.98	0.58	0.42	8.51	0.01	0.04
2.99	0.56	0.44	8.51	0.01	0.04	3.00	0.52	0.48	8.50	0.01	0.04
3.01	0.45	0.55	8.49	0.01	0.05	3.02	0.41	0.59	8.49	0.01	0.05
3.03	0.39	0.61	8.49	0.01	0.05	3.04	0.37	0.63	8.48	0.01	0.05
3.05	0.37	0.63	8.48	0.01	0.05	3.06	0.38	0.62	8.47	0.01	0.05
3.07	0.40	0.60	8.47	0.01	0.05	3.08	0.40	0.60	8.46	0.01	0.05
3.09	0.41	0.59	8.46	0.01	0.05	3.10	0.43	0.57	8.45	0.01	0.05
3.11	0.45	0.55	8.45	0.01	0.05	3.12	0.45	0.55	8.44	0.01	0.05
3.13	0.43	0.57	8.44	0.01	0.05	3.14	0.41	0.59	8.43	0.01	0.05
3.15	0.41	0.59	8.43	0.01	0.05	3.16	0.41	0.59	8.42	0.01	0.05
3.17	0.40	0.60	8.41	0.01	0.05	3.18	0.38	0.62	8.41	0.01	0.05
3.19	0.38	0.62	8.41	0.01	0.05	3.20	0.38	0.62	8.40	0.01	0.05
3.21	0.38	0.62	8.40	0.01	0.05	3.22	0.39	0.61	8.39	0.01	0.05
3.23	0.40	0.60	8.39	0.01	0.05	3.24	0.40	0.60	8.38	0.01	0.05
3.25	0.39	0.61	8.38	0.01	0.05	3.26	0.38	0.62	8.37	0.01	0.05
3.27	0.39	0.61	8.37	0.01	0.05	3.28	0.40	0.60	8.36	0.01	0.05
3.29	0.40	0.60	8.36	0.01	0.05	3.30	0.40	0.60	8.35	0.01	0.05
3.31	0.40	0.60	8.35	0.01	0.05	3.32	0.40	0.60	8.34	0.01	0.05
3.33	0.40	0.60	8.34	0.01	0.05	3.34	0.39	0.61	8.33	0.01	0.05
3.35	0.39	0.61	8.32	0.01	0.05	3.36	0.39	0.61	8.32	0.01	0.05
3.37	0.39	0.61	8.32	0.01	0.05	3.38	0.39	0.61	8.31	0.01	0.05
3.39	0.39	0.61	8.31	0.01	0.05	3.40	0.39	0.61	8.30	0.01	0.05
3.41	0.40	0.60	8.30	0.01	0.05	3.42	0.39	0.61	8.29	0.01	0.05
3.43	0.38	0.62	8.29	0.01	0.05	3.44	0.38	0.62	8.28	0.01	0.05
3.45	0.38	0.62	8.28	0.01	0.05	3.46	0.37	0.63	8.27	0.01	0.05
3.47	0.37	0.63	8.27	0.01	0.05	3.48	0.38	0.62	8.26	0.01	0.05
3.49	0.39	0.61	8.26	0.01	0.05	3.50	0.39	0.61	8.25	0.01	0.05
3.51	0.40	0.60	8.24	0.01	0.05	3.52	0.41	0.59	8.24	0.01	0.05
3.53	0.43	0.57	8.24	0.01	0.05	3.54	0.45	0.55	8.23	0.01	0.05
3.55	0.47	0.53	8.23	0.01	0.04	3.56	0.47	0.53	8.22	0.01	0.04
3.57	0.48	0.52	8.22	0.01	0.04	3.58	0.45	0.55	8.21	0.01	0.05
3.59	0.44	0.56	8.21	0.01	0.05	3.60	0.41	0.59	8.20	0.01	0.05
3.61	0.40	0.60	8.20	0.01	0.05	3.62	0.39	0.61	8.19	0.01	0.05
3.63	0.37	0.63	8.19	0.01	0.05	3.64	0.35	0.65	8.18	0.01	0.05
3.65	0.34	0.66	8.18	0.01	0.05	3.66	0.33	0.67	8.17	0.01	0.06
3.67	0.32	0.68	8.16	0.01	0.06	3.68	0.31	0.69	8.16	0.01	0.06
3.69	0.31	0.69	8.16	0.01	0.06	3.70	0.31	0.69	8.15	0.01	0.06
3.71	0.32	0.68	8.15	0.01	0.06	3.72	0.34	0.66	8.14	0.01	0.05
3.73	0.35	0.65	8.14	0.01	0.05	3.74	0.36	0.64	8.13	0.01	0.05
3.75	0.36	0.64	8.13	0.01	0.05	3.76	0.37	0.63	8.12	0.01	0.05
3.77	0.37	0.63	8.12	0.01	0.05	3.78	0.38	0.62	8.11	0.01	0.05
3.79	0.39	0.61	8.11	0.01	0.05	3.80	0.39	0.61	8.10	0.01	0.05
3.81	0.39	0.61	8.10	0.01	0.05	3.82	0.39	0.61	8.09	0.01	0.05
3.83	0.39	0.61	8.09	0.01	0.05	3.84	0.39	0.61	8.08	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.38	0.62	8.07	0.01	0.05	3.86	0.38	0.62	8.07	0.01	0.05
3.87	0.37	0.63	8.07	0.01	0.05	3.88	0.37	0.63	8.06	0.01	0.05
3.89	0.37	0.63	8.06	0.01	0.05	3.90	0.37	0.63	8.05	0.01	0.05
3.91	0.36	0.64	8.05	0.01	0.05	3.92	0.36	0.64	8.04	0.01	0.05
3.93	0.38	0.62	8.04	0.01	0.05	3.94	0.36	0.64	8.03	0.01	0.05
3.95	0.37	0.63	8.03	0.01	0.05	3.96	0.36	0.64	8.02	0.01	0.05
3.97	0.35	0.65	8.02	0.01	0.05	3.98	0.35	0.65	8.01	0.01	0.05
3.99	0.35	0.65	8.01	0.01	0.05	4.00	0.35	0.65	8.00	0.01	0.05
4.01	0.35	0.65	8.00	0.01	0.05	4.02	0.35	0.65	7.99	0.01	0.05
4.03	0.34	0.66	7.99	0.01	0.05	4.04	0.34	0.66	7.98	0.01	0.05
4.05	0.35	0.65	7.98	0.01	0.05	4.06	0.35	0.65	7.97	0.01	0.05
4.07	0.36	0.64	7.97	0.01	0.05	4.08	0.36	0.64	7.96	0.01	0.05
4.09	0.37	0.63	7.96	0.01	0.05	4.10	0.38	0.62	7.95	0.01	0.05
4.11	0.38	0.62	7.95	0.01	0.05	4.12	0.39	0.61	7.94	0.01	0.05
4.13	0.40	0.60	7.94	0.01	0.05	4.14	0.40	0.60	7.93	0.01	0.05
4.15	0.40	0.60	7.93	0.01	0.05	4.16	0.40	0.60	7.92	0.01	0.05
4.17	0.40	0.60	7.92	0.01	0.05	4.18	0.39	0.61	7.91	0.01	0.05
4.19	0.39	0.61	7.91	0.01	0.05	4.20	0.38	0.62	7.90	0.01	0.05
4.21	0.38	0.62	7.90	0.01	0.05	4.22	0.37	0.63	7.89	0.01	0.05
4.23	0.37	0.63	7.89	0.01	0.05	4.24	0.37	0.63	7.88	0.01	0.05
4.25	0.36	0.64	7.88	0.01	0.05	4.26	0.36	0.64	7.87	0.01	0.05
4.27	0.36	0.64	7.87	0.01	0.05	4.28	0.35	0.65	7.86	0.01	0.05
4.29	0.35	0.65	7.86	0.01	0.05	4.30	0.34	0.66	7.85	0.01	0.05
4.31	0.33	0.67	7.85	0.01	0.05	4.32	0.32	0.68	7.84	0.01	0.05
4.33	0.32	0.68	7.84	0.01	0.05	4.34	0.31	0.69	7.83	0.01	0.05
4.35	0.31	0.69	7.83	0.01	0.05	4.36	0.30	0.70	7.82	0.01	0.05
4.37	0.30	0.70	7.82	0.01	0.05	4.38	0.30	0.70	7.81	0.01	0.05
4.39	0.30	0.70	7.81	0.01	0.05	4.40	0.31	0.69	7.80	0.01	0.05
4.41	0.31	0.69	7.80	0.01	0.05	4.42	0.31	0.69	7.79	0.01	0.05
4.43	0.31	0.69	7.79	0.01	0.05	4.44	0.32	0.68	7.78	0.01	0.05
4.45	0.31	0.69	7.78	0.01	0.05	4.46	0.31	0.69	7.77	0.01	0.05
4.47	0.30	0.70	7.77	0.01	0.05	4.48	0.29	0.71	7.76	0.01	0.05
4.49	0.29	0.71	7.76	0.01	0.06	4.50	0.28	0.72	7.75	0.01	0.06
4.51	0.28	0.72	7.75	0.01	0.06	4.52	0.27	0.73	7.74	0.01	0.06
4.53	0.27	0.73	7.74	0.01	0.06	4.54	0.27	0.73	7.73	0.01	0.06
4.55	0.26	0.74	7.73	0.01	0.06	4.56	0.26	0.74	7.72	0.01	0.06
4.57	0.27	0.73	7.72	0.01	0.06	4.58	0.28	0.72	7.71	0.01	0.06
4.59	0.29	0.71	7.71	0.01	0.06	4.60	0.28	0.72	7.70	0.01	0.06
4.61	0.29	0.71	7.70	0.01	0.05	4.62	0.30	0.70	7.69	0.01	0.05
4.63	0.33	0.67	7.69	0.01	0.05	4.64	0.32	0.68	7.68	0.01	0.05
4.65	0.33	0.67	7.68	0.01	0.05	4.66	0.34	0.66	7.67	0.01	0.05
4.67	0.35	0.65	7.67	0.01	0.05	4.68	0.35	0.65	7.66	0.01	0.05
4.69	0.36	0.64	7.66	0.01	0.05	4.70	0.36	0.64	7.65	0.01	0.05
4.71	0.39	0.61	7.65	0.01	0.05	4.72	0.39	0.61	7.64	0.01	0.05
4.73	0.37	0.63	7.64	0.01	0.05	4.74	0.37	0.63	7.63	0.01	0.05
4.75	0.34	0.66	7.63	0.01	0.05	4.76	0.34	0.66	7.62	0.01	0.05
4.77	0.36	0.64	7.62	0.01	0.05	4.78	0.36	0.64	7.61	0.01	0.05
4.79	0.36	0.64	7.61	0.01	0.05	4.80	0.35	0.65	7.60	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.34	0.66	7.60	0.01	0.05	4.82	0.33	0.67	7.59	0.01	0.05
4.83	0.33	0.67	7.59	0.01	0.05	4.84	0.32	0.68	7.58	0.01	0.05
4.85	0.32	0.68	7.58	0.01	0.05	4.86	0.32	0.68	7.57	0.01	0.05
4.87	0.33	0.67	7.57	0.01	0.05	4.88	0.34	0.66	7.56	0.01	0.05
4.89	0.35	0.65	7.56	0.01	0.05	4.90	0.35	0.65	7.55	0.01	0.05
4.91	0.35	0.65	7.55	0.01	0.05	4.92	0.31	0.69	7.54	0.01	0.05
4.93	0.32	0.68	7.54	0.01	0.05	4.94	0.33	0.67	7.53	0.01	0.05
4.95	0.34	0.66	7.53	0.01	0.05	4.96	0.34	0.66	7.52	0.01	0.05
4.97	0.35	0.65	7.52	0.01	0.05	4.98	0.35	0.65	7.51	0.01	0.05
4.99	0.35	0.65	7.51	0.01	0.05	5.00	0.36	0.64	7.50	0.01	0.05
5.01	0.34	0.66	7.50	0.01	0.05	5.02	0.34	0.66	7.49	0.01	0.05
5.03	0.33	0.67	7.49	0.01	0.05	5.04	0.32	0.68	7.48	0.01	0.05
5.05	0.32	0.68	7.48	0.01	0.05	5.06	0.31	0.69	7.47	0.01	0.05
5.07	0.31	0.69	7.47	0.01	0.05	5.08	0.30	0.70	7.46	0.01	0.05
5.09	0.30	0.70	7.46	0.01	0.05	5.10	0.30	0.70	7.45	0.01	0.05
5.11	0.30	0.70	7.45	0.01	0.05	5.12	2.00	0.00	7.44	0.01	0.00
5.13	0.29	0.71	7.44	0.01	0.05	5.14	0.31	0.69	7.43	0.01	0.05
5.15	0.36	0.64	7.43	0.01	0.05	5.16	0.36	0.64	7.42	0.01	0.05
5.17	0.36	0.64	7.42	0.01	0.05	5.18	0.33	0.67	7.41	0.01	0.05
5.19	0.32	0.68	7.41	0.01	0.05	5.20	0.30	0.70	7.40	0.01	0.05
5.21	0.30	0.70	7.40	0.01	0.05	5.22	0.32	0.68	7.39	0.01	0.05
5.23	0.33	0.67	7.39	0.01	0.05	5.24	0.34	0.66	7.38	0.01	0.05
5.25	0.34	0.66	7.38	0.01	0.05	5.26	0.34	0.66	7.37	0.01	0.05
5.27	0.34	0.66	7.37	0.01	0.05	5.28	0.34	0.66	7.36	0.01	0.05
5.29	0.34	0.66	7.36	0.01	0.05	5.30	0.33	0.67	7.35	0.01	0.05
5.31	0.34	0.66	7.35	0.01	0.05	5.32	0.34	0.66	7.34	0.01	0.05
5.33	0.33	0.67	7.34	0.01	0.05	5.34	0.33	0.67	7.33	0.01	0.05
5.35	0.33	0.67	7.33	0.01	0.05	5.36	0.30	0.70	7.32	0.01	0.05
5.37	0.30	0.70	7.32	0.01	0.05	5.38	0.29	0.71	7.31	0.01	0.05
5.39	2.00	0.00	7.31	0.01	0.00	5.40	2.00	0.00	7.30	0.01	0.00
5.41	2.00	0.00	7.30	0.01	0.00	5.42	2.00	0.00	7.29	0.01	0.00
5.43	2.00	0.00	7.29	0.01	0.00	5.44	2.00	0.00	7.28	0.01	0.00
5.45	2.00	0.00	7.28	0.01	0.00	5.46	2.00	0.00	7.27	0.01	0.00
5.47	2.00	0.00	7.27	0.01	0.00	5.48	2.00	0.00	7.26	0.01	0.00
5.49	2.00	0.00	7.26	0.01	0.00	5.50	2.00	0.00	7.25	0.01	0.00
5.51	2.00	0.00	7.25	0.01	0.00	5.52	2.00	0.00	7.24	0.01	0.00
5.53	2.00	0.00	7.24	0.01	0.00	5.54	2.00	0.00	7.23	0.01	0.00
5.55	2.00	0.00	7.23	0.01	0.00	5.56	2.00	0.00	7.22	0.01	0.00
5.57	2.00	0.00	7.22	0.01	0.00	5.58	2.00	0.00	7.21	0.01	0.00
5.59	2.00	0.00	7.21	0.01	0.00	5.60	2.00	0.00	7.20	0.01	0.00
5.61	2.00	0.00	7.20	0.01	0.00	5.62	2.00	0.00	7.19	0.01	0.00
5.63	2.00	0.00	7.19	0.01	0.00	5.64	0.27	0.73	7.18	0.01	0.05
5.65	0.27	0.73	7.18	0.01	0.05	5.66	0.31	0.69	7.17	0.01	0.05
5.67	0.30	0.70	7.17	0.01	0.05	5.68	0.28	0.72	7.16	0.01	0.05
5.69	0.30	0.70	7.16	0.01	0.05	5.70	0.31	0.69	7.15	0.01	0.05
5.71	0.32	0.68	7.15	0.01	0.05	5.72	0.32	0.68	7.14	0.01	0.05
5.73	0.32	0.68	7.14	0.01	0.05	5.74	0.30	0.70	7.13	0.01	0.05
5.75	0.29	0.71	7.13	0.01	0.05	5.76	0.28	0.72	7.12	0.01	0.05

<b>:: Liquefaction Potential Index calculation data :: (continued)</b>											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.28	0.72	7.12	0.01	0.05	5.78	0.27	0.73	7.11	0.01	0.05
5.79	0.28	0.72	7.11	0.01	0.05	5.80	0.29	0.71	7.10	0.01	0.05
5.81	0.31	0.69	7.10	0.01	0.05	5.82	0.32	0.68	7.09	0.01	0.05
5.83	0.33	0.67	7.09	0.01	0.05	5.84	0.33	0.67	7.08	0.01	0.05
5.85	0.33	0.67	7.08	0.01	0.05	5.86	0.33	0.67	7.07	0.01	0.05
5.87	0.31	0.69	7.07	0.01	0.05	5.88	0.29	0.71	7.06	0.01	0.05
5.89	0.30	0.70	7.06	0.01	0.05	5.90	0.30	0.70	7.05	0.01	0.05
5.91	0.30	0.70	7.05	0.01	0.05	5.92	0.31	0.69	7.04	0.01	0.05
5.93	0.32	0.68	7.04	0.01	0.05	5.94	0.33	0.67	7.03	0.01	0.05
5.95	0.33	0.67	7.03	0.01	0.05	5.96	0.34	0.66	7.02	0.01	0.05
5.97	0.34	0.66	7.02	0.01	0.05	5.98	0.34	0.66	7.01	0.01	0.05
5.99	0.34	0.66	7.01	0.01	0.05	6.00	0.33	0.67	7.00	0.01	0.05
6.01	0.33	0.67	7.00	0.01	0.05	6.02	0.32	0.68	6.99	0.01	0.05
6.03	0.32	0.68	6.99	0.01	0.05	6.04	0.31	0.69	6.98	0.01	0.05
6.05	0.30	0.70	6.98	0.01	0.05	6.06	0.30	0.70	6.97	0.01	0.05
6.07	0.30	0.70	6.97	0.01	0.05	6.08	0.30	0.70	6.96	0.01	0.05
6.09	0.30	0.70	6.96	0.01	0.05	6.10	0.30	0.70	6.95	0.01	0.05
6.11	0.30	0.70	6.95	0.01	0.05	6.12	0.31	0.69	6.94	0.01	0.05
6.13	0.30	0.70	6.94	0.01	0.05	6.14	0.30	0.70	6.93	0.01	0.05
6.15	0.30	0.70	6.93	0.01	0.05	6.16	0.30	0.70	6.92	0.01	0.05
6.17	0.30	0.70	6.92	0.01	0.05	6.18	0.30	0.70	6.91	0.01	0.05
6.19	0.30	0.70	6.91	0.01	0.05	6.20	0.30	0.70	6.90	0.01	0.05
6.21	0.29	0.71	6.90	0.01	0.05	6.22	0.29	0.71	6.89	0.01	0.05
6.23	0.29	0.71	6.89	0.01	0.05	6.24	0.31	0.69	6.88	0.01	0.05
6.25	0.31	0.69	6.88	0.01	0.05	6.26	0.32	0.68	6.87	0.01	0.05
6.27	0.33	0.67	6.87	0.01	0.05	6.28	0.31	0.69	6.86	0.01	0.05
6.29	0.31	0.69	6.86	0.01	0.05	6.30	0.31	0.69	6.85	0.01	0.05
6.31	0.30	0.70	6.85	0.01	0.05	6.32	0.30	0.70	6.84	0.01	0.05
6.33	0.28	0.72	6.84	0.01	0.05	6.34	2.00	0.00	6.83	0.01	0.00
6.35	2.00	0.00	6.83	0.01	0.00	6.36	2.00	0.00	6.82	0.01	0.00
6.37	2.00	0.00	6.82	0.01	0.00	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	0.27	0.73	6.38	0.01	0.05	7.26	0.28	0.72	6.37	0.01	0.05
7.27	0.28	0.72	6.37	0.01	0.05	7.28	0.29	0.71	6.36	0.01	0.05
7.29	0.28	0.72	6.36	0.01	0.05	7.30	0.28	0.72	6.35	0.01	0.05
7.31	0.27	0.73	6.35	0.01	0.05	7.32	0.27	0.73	6.34	0.01	0.05
7.33	0.27	0.73	6.34	0.01	0.05	7.34	0.27	0.73	6.33	0.01	0.05
7.35	0.27	0.73	6.33	0.01	0.05	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	0.28	0.72	6.10	0.01	0.04	7.82	0.28	0.72	6.09	0.01	0.04
7.83	0.28	0.72	6.09	0.01	0.04	7.84	0.29	0.71	6.08	0.01	0.04
7.85	0.27	0.73	6.08	0.01	0.04	7.86	0.27	0.73	6.07	0.01	0.04
7.87	0.26	0.74	6.07	0.01	0.04	7.88	0.26	0.74	6.06	0.01	0.04
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	0.26	0.74	5.78	0.01	0.04
8.45	0.26	0.74	5.78	0.01	0.04	8.46	0.29	0.71	5.77	0.01	0.04
8.47	0.29	0.71	5.77	0.01	0.04	8.48	0.30	0.70	5.76	0.01	0.04
8.49	0.31	0.69	5.76	0.01	0.04	8.50	0.35	0.65	5.75	0.01	0.04
8.51	0.38	0.62	5.75	0.01	0.04	8.52	0.36	0.64	5.74	0.01	0.04
8.53	0.31	0.69	5.74	0.01	0.04	8.54	0.32	0.68	5.73	0.01	0.04
8.55	0.43	0.57	5.72	0.01	0.03	8.56	0.48	0.52	5.72	0.01	0.03
8.57	0.34	0.66	5.72	0.01	0.04	8.58	0.28	0.72	5.71	0.01	0.04
8.59	0.23	0.77	5.71	0.01	0.04	8.60	0.32	0.68	5.70	0.01	0.04
8.61	0.35	0.65	5.70	0.01	0.04	8.62	0.41	0.59	5.69	0.01	0.03
8.63	0.42	0.58	5.68	0.01	0.03	8.64	0.42	0.58	5.68	0.01	0.03

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	0.42	0.58	5.68	0.01	0.03	8.66	0.43	0.57	5.67	0.01	0.03
8.67	0.43	0.57	5.67	0.01	0.03	8.68	0.43	0.57	5.66	0.01	0.03
8.69	0.45	0.55	5.66	0.01	0.03	8.70	0.45	0.55	5.65	0.01	0.03
8.71	0.44	0.56	5.64	0.01	0.03	8.72	0.44	0.56	5.64	0.01	0.03
8.73	0.44	0.56	5.64	0.01	0.03	8.74	0.38	0.62	5.63	0.01	0.03
8.75	0.32	0.68	5.63	0.01	0.04	8.76	0.28	0.72	5.62	0.01	0.04
8.77	0.28	0.72	5.62	0.01	0.04	8.78	0.28	0.72	5.61	0.01	0.04
8.79	0.27	0.73	5.61	0.01	0.04	8.80	0.27	0.73	5.60	0.01	0.04
8.81	0.27	0.73	5.60	0.01	0.04	8.82	0.27	0.73	5.59	0.01	0.04
8.83	0.27	0.73	5.59	0.01	0.04	8.84	0.27	0.73	5.58	0.01	0.04
8.85	0.27	0.73	5.58	0.01	0.04	8.86	0.27	0.73	5.57	0.01	0.04
8.87	0.27	0.73	5.57	0.01	0.04	8.88	0.27	0.73	5.56	0.01	0.04
8.89	0.28	0.72	5.56	0.01	0.04	8.90	0.28	0.72	5.55	0.01	0.04
8.91	0.28	0.72	5.55	0.01	0.04	8.92	0.28	0.72	5.54	0.01	0.04
8.93	0.29	0.71	5.54	0.01	0.04	8.94	0.30	0.70	5.53	0.01	0.04
8.95	0.32	0.68	5.53	0.01	0.04	8.96	0.33	0.67	5.52	0.01	0.04
8.97	0.34	0.66	5.52	0.01	0.04	8.98	0.36	0.64	5.51	0.01	0.04
8.99	0.38	0.62	5.51	0.01	0.03	9.00	0.39	0.61	5.50	0.01	0.03
9.01	0.41	0.59	5.50	0.01	0.03	9.02	0.41	0.59	5.49	0.01	0.03
9.03	0.42	0.58	5.49	0.01	0.03	9.04	0.42	0.58	5.48	0.01	0.03
9.05	0.42	0.58	5.47	0.01	0.03	9.06	0.42	0.58	5.47	0.01	0.03
9.07	0.43	0.57	5.47	0.01	0.03	9.08	0.45	0.55	5.46	0.01	0.03
9.09	0.47	0.53	5.46	0.01	0.03	9.10	0.50	0.50	5.45	0.01	0.03
9.11	0.51	0.49	5.45	0.01	0.03	9.12	0.51	0.49	5.44	0.01	0.03
9.13	0.50	0.50	5.43	0.01	0.03	9.14	0.50	0.50	5.43	0.01	0.03
9.15	0.50	0.50	5.43	0.01	0.03	9.16	0.48	0.52	5.42	0.01	0.03
9.17	0.47	0.53	5.42	0.01	0.03	9.18	0.45	0.55	5.41	0.01	0.03
9.19	0.42	0.58	5.41	0.01	0.03	9.20	0.41	0.59	5.40	0.01	0.03
9.21	0.40	0.60	5.39	0.01	0.03	9.22	0.37	0.63	5.39	0.01	0.03
9.23	0.35	0.65	5.39	0.01	0.03	9.24	0.34	0.66	5.38	0.01	0.04
9.25	0.32	0.68	5.38	0.01	0.04	9.26	0.33	0.67	5.37	0.01	0.04
9.27	0.35	0.65	5.37	0.01	0.03	9.28	0.37	0.63	5.36	0.01	0.03
9.29	0.38	0.62	5.36	0.01	0.03	9.30	0.39	0.61	5.35	0.01	0.03
9.31	0.40	0.60	5.35	0.01	0.03	9.32	0.37	0.63	5.34	0.01	0.03
9.33	0.36	0.64	5.34	0.01	0.03	9.34	0.35	0.65	5.33	0.01	0.03
9.35	0.32	0.68	5.33	0.01	0.04	9.36	0.31	0.69	5.32	0.01	0.04
9.37	0.31	0.69	5.32	0.01	0.04	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	2.00	0.00	4.03	0.01	0.00
11.95	2.00	0.00	4.03	0.01	0.00	11.96	2.00	0.00	4.02	0.01	0.00
11.97	2.00	0.00	4.02	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00
13.81	2.00	0.00	3.10	0.01	0.00	13.82	2.00	0.00	3.09	0.01	0.00
13.83	2.00	0.00	3.09	0.01	0.00	13.84	2.00	0.00	3.08	0.01	0.00
13.85	2.00	0.00	3.08	0.01	0.00	13.86	2.00	0.00	3.07	0.01	0.00
13.87	2.00	0.00	3.07	0.01	0.00	13.88	2.00	0.00	3.06	0.01	0.00
13.89	2.00	0.00	3.06	0.01	0.00	13.90	2.00	0.00	3.05	0.01	0.00
13.91	2.00	0.00	3.05	0.01	0.00	13.92	2.00	0.00	3.04	0.01	0.00
13.93	2.00	0.00	3.04	0.01	0.00	13.94	2.00	0.00	3.03	0.01	0.00
13.95	2.00	0.00	3.03	0.01	0.00	13.96	2.00	0.00	3.02	0.01	0.00
13.97	0.37	0.63	3.02	0.01	0.02	13.98	2.00	0.00	3.01	0.01	0.00
13.99	2.00	0.00	3.01	0.01	0.00	14.00	2.00	0.00	3.00	0.01	0.00
14.01	2.00	0.00	3.00	0.01	0.00	14.02	2.00	0.00	2.99	0.01	0.00
14.03	2.00	0.00	2.99	0.01	0.00	14.04	2.00	0.00	2.98	0.01	0.00
14.05	2.00	0.00	2.98	0.01	0.00	14.06	2.00	0.00	2.97	0.01	0.00
14.07	2.00	0.00	2.97	0.01	0.00	14.08	2.00	0.00	2.96	0.01	0.00
14.09	2.00	0.00	2.96	0.01	0.00	14.10	2.00	0.00	2.95	0.01	0.00
14.11	2.00	0.00	2.95	0.01	0.00	14.12	2.00	0.00	2.94	0.01	0.00
14.13	2.00	0.00	2.94	0.01	0.00	14.14	2.00	0.00	2.93	0.01	0.00
14.15	2.00	0.00	2.93	0.01	0.00	14.16	2.00	0.00	2.92	0.01	0.00
14.17	2.00	0.00	2.92	0.01	0.00	14.18	2.00	0.00	2.91	0.01	0.00
14.19	2.00	0.00	2.91	0.01	0.00	14.20	2.00	0.00	2.90	0.01	0.00
14.21	2.00	0.00	2.90	0.01	0.00	14.22	2.00	0.00	2.89	0.01	0.00
14.23	2.00	0.00	2.89	0.01	0.00	14.24	2.00	0.00	2.88	0.01	0.00
14.25	2.00	0.00	2.88	0.01	0.00	14.26	2.00	0.00	2.87	0.01	0.00
14.27	2.00	0.00	2.87	0.01	0.00	14.28	2.00	0.00	2.86	0.01	0.00
14.29	2.00	0.00	2.86	0.01	0.00	14.30	2.00	0.00	2.85	0.01	0.00
14.31	2.00	0.00	2.85	0.01	0.00	14.32	2.00	0.00	2.84	0.01	0.00
14.33	2.00	0.00	2.84	0.01	0.00	14.34	2.00	0.00	2.83	0.01	0.00
14.35	2.00	0.00	2.83	0.01	0.00	14.36	2.00	0.00	2.82	0.01	0.00
14.37	2.00	0.00	2.82	0.01	0.00	14.38	2.00	0.00	2.81	0.01	0.00
14.39	2.00	0.00	2.81	0.01	0.00	14.40	2.00	0.00	2.80	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
14.41	2.00	0.00	2.80	0.01	0.00	14.42	2.00	0.00	2.79	0.01	0.00
14.43	2.00	0.00	2.79	0.01	0.00	14.44	2.00	0.00	2.78	0.01	0.00
14.45	2.00	0.00	2.78	0.01	0.00	14.46	2.00	0.00	2.77	0.01	0.00
14.47	2.00	0.00	2.77	0.01	0.00	14.48	2.00	0.00	2.76	0.01	0.00
14.49	2.00	0.00	2.76	0.01	0.00	14.50	2.00	0.00	2.75	0.01	0.00
14.51	2.00	0.00	2.75	0.01	0.00	14.52	2.00	0.00	2.74	0.01	0.00
14.53	2.00	0.00	2.74	0.01	0.00	14.54	2.00	0.00	2.73	0.01	0.00
14.55	2.00	0.00	2.73	0.01	0.00	14.56	2.00	0.00	2.72	0.01	0.00
14.57	2.00	0.00	2.72	0.01	0.00	14.58	2.00	0.00	2.71	0.01	0.00
14.59	2.00	0.00	2.71	0.01	0.00	14.60	2.00	0.00	2.70	0.01	0.00
14.61	2.00	0.00	2.70	0.01	0.00	14.62	2.00	0.00	2.69	0.01	0.00
14.63	2.00	0.00	2.69	0.01	0.00	14.64	2.00	0.00	2.68	0.01	0.00
14.65	2.00	0.00	2.67	0.01	0.00	14.66	2.00	0.00	2.67	0.01	0.00
14.67	2.00	0.00	2.67	0.01	0.00	14.68	2.00	0.00	2.66	0.01	0.00
14.69	2.00	0.00	2.65	0.01	0.00	14.70	2.00	0.00	2.65	0.01	0.00
14.71	2.00	0.00	2.65	0.01	0.00	14.72	2.00	0.00	2.64	0.01	0.00
14.73	2.00	0.00	2.63	0.01	0.00	14.74	2.00	0.00	2.63	0.01	0.00
14.75	2.00	0.00	2.63	0.01	0.00	14.76	2.00	0.00	2.62	0.01	0.00
14.77	2.00	0.00	2.62	0.01	0.00	14.78	2.00	0.00	2.61	0.01	0.00
14.79	2.00	0.00	2.61	0.01	0.00	14.80	2.00	0.00	2.60	0.01	0.00
14.81	2.00	0.00	2.60	0.01	0.00	14.82	2.00	0.00	2.59	0.01	0.00
14.83	2.00	0.00	2.59	0.01	0.00	14.84	2.00	0.00	2.58	0.01	0.00
14.85	2.00	0.00	2.58	0.01	0.00	14.86	2.00	0.00	2.57	0.01	0.00
14.87	2.00	0.00	2.57	0.01	0.00	14.88	2.00	0.00	2.56	0.01	0.00
14.89	2.00	0.00	2.56	0.01	0.00	14.90	2.00	0.00	2.55	0.01	0.00
14.91	2.00	0.00	2.55	0.01	0.00	14.92	2.00	0.00	2.54	0.01	0.00
14.93	2.00	0.00	2.54	0.01	0.00	14.94	2.00	0.00	2.53	0.01	0.00
14.95	2.00	0.00	2.53	0.01	0.00	14.96	2.00	0.00	2.52	0.01	0.00
14.97	2.00	0.00	2.52	0.01	0.00	14.98	2.00	0.00	2.51	0.01	0.00
14.99	2.00	0.00	2.51	0.01	0.00	15.00	2.00	0.00	2.50	0.01	0.00
15.01	2.00	0.00	2.50	0.01	0.00	15.02	2.00	0.00	2.49	0.01	0.00
15.03	2.00	0.00	2.49	0.01	0.00	15.04	2.00	0.00	2.48	0.01	0.00
15.05	2.00	0.00	2.48	0.01	0.00	15.06	2.00	0.00	2.47	0.01	0.00
15.07	2.00	0.00	2.47	0.01	0.00	15.08	2.00	0.00	2.46	0.01	0.00
15.09	2.00	0.00	2.46	0.01	0.00	15.10	2.00	0.00	2.45	0.01	0.00
15.11	2.00	0.00	2.45	0.01	0.00	15.12	2.00	0.00	2.44	0.01	0.00
15.13	2.00	0.00	2.44	0.01	0.00	15.14	2.00	0.00	2.43	0.01	0.00
15.15	2.00	0.00	2.42	0.01	0.00	15.16	2.00	0.00	2.42	0.01	0.00
15.17	2.00	0.00	2.42	0.01	0.00	15.18	2.00	0.00	2.41	0.01	0.00
15.19	2.00	0.00	2.40	0.01	0.00	15.20	2.00	0.00	2.40	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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**Overall liquefaction potential: 20.81**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

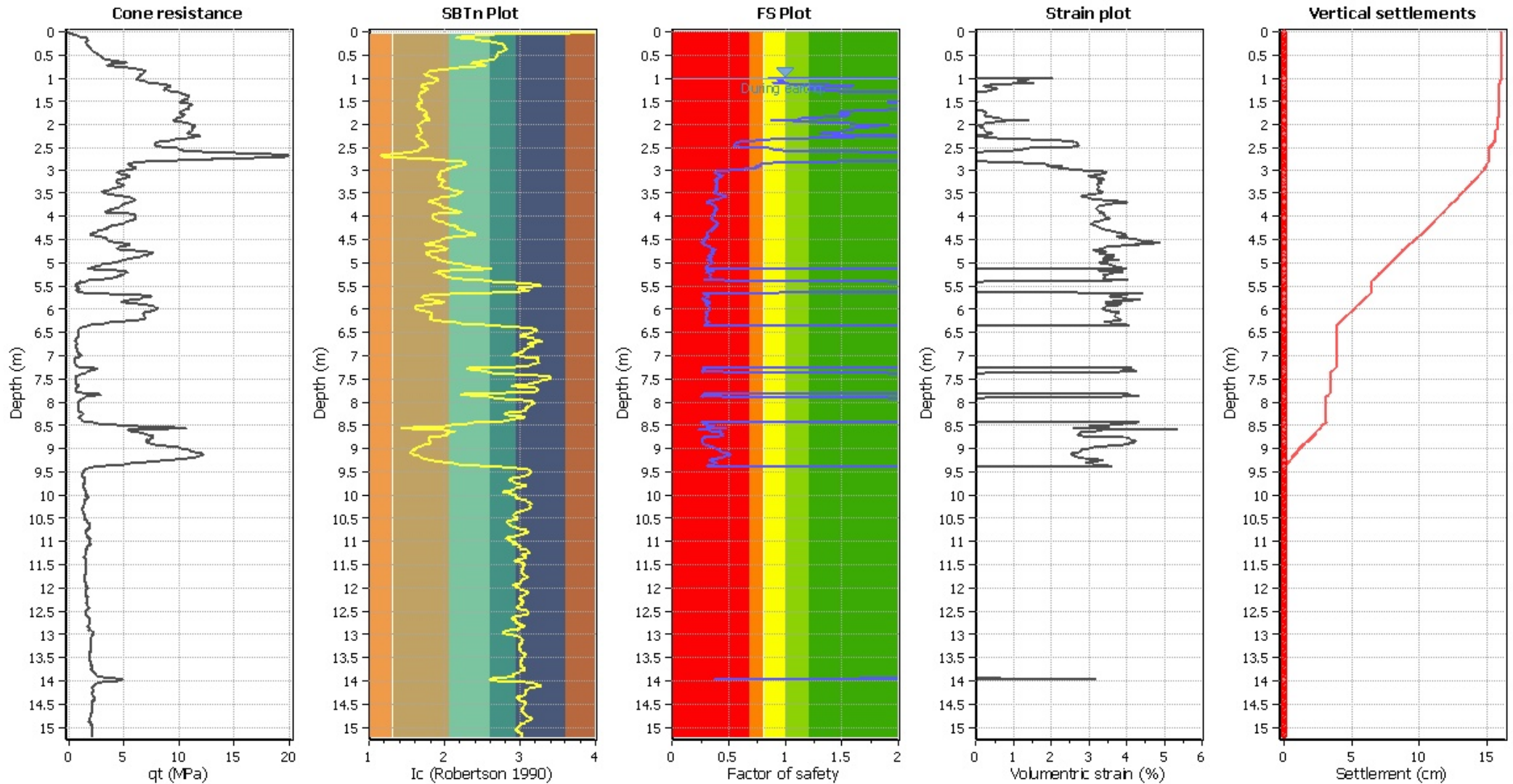
**Abbreviations**

FS: Calculated factor of safety for test point

 $F_L$ : 1 - FS $w_z$ : Function value of the extend of soil liquefaction according to depth $d_z$ : Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain

<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	119.24	2.00	0.00	1.00	0.00	1.01	123.10	0.84	2.06	1.00	0.02
1.02	127.58	0.91	1.47	1.00	0.01	1.03	129.38	0.94	1.31	1.00	0.01
1.04	130.74	0.96	1.21	1.00	0.01	1.05	131.48	0.96	1.17	1.00	0.01
1.06	132.88	0.99	1.08	1.00	0.01	1.07	132.96	0.98	1.09	1.00	0.01
1.08	131.29	0.95	1.23	1.00	0.01	1.09	132.15	0.96	1.18	1.00	0.01
1.10	130.22	0.92	1.37	1.00	0.01	1.11	128.77	0.89	1.54	1.00	0.02
1.12	133.81	0.98	1.10	1.00	0.01	1.13	137.25	1.05	0.88	1.00	0.01
1.14	145.13	1.26	0.51	1.00	0.01	1.15	147.81	1.34	0.41	1.00	0.00
1.16	150.33	1.43	0.33	1.00	0.00	1.17	153.52	1.56	0.23	1.00	0.00
1.18	154.52	1.60	0.20	1.00	0.00	1.19	154.35	1.58	0.21	1.00	0.00
1.20	153.18	1.52	0.25	1.00	0.00	1.21	149.66	1.37	0.38	1.00	0.00
1.22	147.81	1.30	0.45	1.00	0.00	1.23	146.30	1.25	0.52	1.00	0.01
1.24	144.97	1.20	0.58	1.00	0.01	1.25	145.15	1.20	0.58	1.00	0.01
1.26	147.15	1.26	0.50	1.00	0.01	1.27	149.66	1.34	0.41	1.00	0.00
1.28	153.52	1.49	0.28	1.00	0.00	1.29	162.07	1.95	0.02	1.00	0.00
1.30	165.93	2.00	0.00	1.00	0.00	1.31	170.13	2.00	0.00	1.00	0.00
1.32	171.30	2.00	0.00	1.00	0.00	1.33	172.05	2.00	0.00	1.00	0.00
1.34	171.99	2.00	0.00	1.00	0.00	1.35	172.06	2.00	0.00	1.00	0.00
1.36	173.28	2.00	0.00	1.00	0.00	1.37	174.11	2.00	0.00	1.00	0.00
1.38	176.33	2.00	0.00	1.00	0.00	1.39	176.65	2.00	0.00	1.00	0.00
1.40	177.11	2.00	0.00	1.00	0.00	1.41	177.80	2.00	0.00	1.00	0.00
1.42	177.44	2.00	0.00	1.00	0.00	1.43	175.56	2.00	0.00	1.00	0.00
1.44	174.02	2.00	0.00	1.00	0.00	1.45	172.14	2.00	0.00	1.00	0.00
1.46	171.31	2.00	0.00	1.00	0.00	1.47	170.02	2.00	0.00	1.00	0.00
1.48	168.96	2.00	0.00	1.00	0.00	1.49	167.67	2.00	0.00	1.00	0.00
1.50	164.94	2.00	0.00	1.00	0.00	1.51	163.41	1.91	0.04	1.00	0.00
1.52	163.32	1.90	0.04	1.00	0.00	1.53	163.83	1.92	0.03	1.00	0.00
1.54	164.70	1.98	0.01	1.00	0.00	1.55	167.94	2.00	0.00	1.00	0.00
1.56	171.15	2.00	0.00	1.00	0.00	1.57	172.35	2.00	0.00	1.00	0.00
1.58	173.89	2.00	0.00	1.00	0.00	1.59	173.57	2.00	0.00	1.00	0.00
1.60	172.91	2.00	0.00	1.00	0.00	1.61	171.66	2.00	0.00	1.00	0.00
1.62	170.65	2.00	0.00	1.00	0.00	1.63	170.22	2.00	0.00	1.00	0.00
1.64	170.14	2.00	0.00	1.00	0.00	1.65	169.95	2.00	0.00	1.00	0.00
1.66	169.29	2.00	0.00	1.00	0.00	1.67	168.06	2.00	0.00	1.00	0.00
1.68	165.53	1.97	0.01	1.00	0.00	1.69	164.17	1.87	0.05	1.00	0.00
1.70	162.10	1.74	0.12	1.00	0.00	1.71	160.63	1.65	0.17	1.00	0.00
1.72	158.43	1.54	0.24	1.00	0.00	1.73	157.67	1.50	0.27	1.00	0.00
1.74	157.50	1.49	0.28	1.00	0.00	1.75	157.44	1.48	0.28	1.00	0.00
1.76	157.39	1.48	0.29	1.00	0.00	1.77	157.94	1.50	0.27	1.00	0.00
1.78	157.65	1.48	0.28	1.00	0.00	1.79	158.67	1.53	0.25	1.00	0.00
1.80	159.21	1.55	0.23	1.00	0.00	1.81	159.52	1.56	0.22	1.00	0.00
1.82	159.12	1.54	0.24	1.00	0.00	1.83	157.55	1.46	0.30	1.00	0.00
1.84	156.81	1.43	0.33	1.00	0.00	1.85	154.05	1.31	0.44	1.00	0.00
1.86	152.40	1.25	0.51	1.00	0.01	1.87	149.89	1.16	0.63	1.00	0.01
1.88	149.06	1.13	0.67	1.00	0.01	1.89	148.72	1.12	0.69	1.00	0.01
1.90	148.51	1.11	0.71	1.00	0.01	1.91	147.84	1.09	0.75	1.00	0.01
1.92	138.66	0.87	1.42	1.00	0.01	1.93	146.73	1.06	0.81	1.00	0.01
1.94	148.27	1.10	0.73	1.00	0.01	1.95	151.81	1.21	0.56	1.00	0.01



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	153.44	1.26	0.49	1.00	0.00	1.97	155.19	1.33	0.42	1.00	0.00
1.98	158.66	1.48	0.29	1.00	0.00	1.99	160.38	1.56	0.23	1.00	0.00
2.00	161.63	1.62	0.19	1.00	0.00	2.01	166.41	1.92	0.04	1.00	0.00
2.02	166.16	1.90	0.04	1.00	0.00	2.03	165.28	1.83	0.07	1.00	0.00
2.04	165.16	1.82	0.08	1.00	0.00	2.05	164.69	1.79	0.09	1.00	0.00
2.06	163.89	1.74	0.12	1.00	0.00	2.07	163.77	1.73	0.13	1.00	0.00
2.08	162.85	1.67	0.16	1.00	0.00	2.09	162.04	1.62	0.19	1.00	0.00
2.10	161.23	1.58	0.21	1.00	0.00	2.11	161.00	1.56	0.22	1.00	0.00
2.12	161.22	1.57	0.22	1.00	0.00	2.13	161.68	1.59	0.20	1.00	0.00
2.14	161.44	1.58	0.21	1.00	0.00	2.15	160.64	1.54	0.24	1.00	0.00
2.16	159.60	1.48	0.28	1.00	0.00	2.17	157.64	1.39	0.36	1.00	0.00
2.18	156.37	1.34	0.41	1.00	0.00	2.19	156.37	1.33	0.41	1.00	0.00
2.20	155.79	1.31	0.44	1.00	0.00	2.21	157.52	1.38	0.37	1.00	0.00
2.22	158.78	1.43	0.32	1.00	0.00	2.23	165.05	1.77	0.10	1.00	0.00
2.24	167.54	1.93	0.03	1.00	0.00	2.25	169.22	2.00	0.00	1.00	0.00
2.26	169.67	2.00	0.00	1.00	0.00	2.27	166.74	1.87	0.06	1.00	0.00
2.28	164.25	1.71	0.14	1.00	0.00	2.29	159.58	1.46	0.30	1.00	0.00
2.30	157.06	1.34	0.40	1.00	0.00	2.31	154.65	1.25	0.51	1.00	0.01
2.32	148.98	1.06	0.79	1.00	0.01	2.33	145.49	0.97	1.02	1.00	0.01
2.34	141.03	0.87	1.39	1.00	0.01	2.35	132.70	0.72	2.38	1.00	0.02
2.36	128.98	0.67	2.46	1.00	0.02	2.37	125.72	0.63	2.52	1.00	0.03
2.38	121.22	0.58	2.63	1.00	0.03	2.39	119.77	0.57	2.66	1.00	0.03
2.40	119.18	0.56	2.67	1.00	0.03	2.41	118.22	0.55	2.70	1.00	0.03
2.42	118.37	0.55	2.69	1.00	0.03	2.43	118.28	0.55	2.70	1.00	0.03
2.44	118.06	0.55	2.70	1.00	0.03	2.45	117.69	0.55	2.71	1.00	0.03
2.46	117.62	0.54	2.71	1.00	0.03	2.47	117.65	0.54	2.71	1.00	0.03
2.48	120.65	0.57	2.64	1.00	0.03	2.49	122.98	0.59	2.59	1.00	0.03
2.50	126.64	0.63	2.51	1.00	0.03	2.51	133.73	0.72	2.36	1.00	0.02
2.52	136.48	0.77	2.08	1.00	0.02	2.53	141.56	0.86	1.41	1.00	0.01
2.54	143.68	0.90	1.22	1.00	0.01	2.55	144.04	0.91	1.19	1.00	0.01
2.56	145.68	0.95	1.07	1.00	0.01	2.57	147.20	0.98	0.96	1.00	0.01
2.58	149.86	1.06	0.80	1.00	0.01	2.59	159.90	1.42	0.33	1.00	0.00
2.60	166.99	1.82	0.08	1.00	0.00	2.61	184.37	2.00	0.00	1.00	0.00
2.62	191.45	2.00	0.00	1.00	0.00	2.63	203.03	2.00	0.00	1.00	0.00
2.64	224.07	2.00	0.00	1.00	0.00	2.65	225.78	2.00	0.00	1.00	0.00
2.66	242.79	2.00	0.00	1.00	0.00	2.67	252.44	2.00	0.00	1.00	0.00
2.68	249.24	2.00	0.00	1.00	0.00	2.69	245.73	2.00	0.00	1.00	0.00
2.70	241.64	2.00	0.00	1.00	0.00	2.71	234.96	2.00	0.00	1.00	0.00
2.72	219.34	2.00	0.00	1.00	0.00	2.73	181.77	2.00	0.00	1.00	0.00
2.74	174.30	2.00	0.00	1.00	0.00	2.75	183.57	2.00	0.00	1.00	0.00
2.76	184.21	2.00	0.00	1.00	0.00	2.77	189.63	2.00	0.00	1.00	0.00
2.78	175.91	2.00	0.00	1.00	0.00	2.79	177.04	2.00	0.00	1.00	0.00
2.80	163.44	1.58	0.22	1.00	0.00	2.81	162.83	1.54	0.24	1.00	0.00
2.82	157.91	1.31	0.43	1.00	0.00	2.83	151.78	1.09	0.73	1.00	0.01
2.84	144.64	0.90	1.21	1.00	0.01	2.85	143.12	0.87	1.35	1.00	0.01
2.86	140.13	0.81	1.68	1.00	0.02	2.87	139.03	0.79	1.83	1.00	0.02
2.88	138.40	0.78	1.93	1.00	0.02	2.89	138.63	0.78	1.90	1.00	0.02
2.90	136.70	0.75	2.23	1.00	0.02	2.91	135.80	0.73	2.32	1.00	0.02

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	137.88	0.76	2.03	1.00	0.02	2.93	138.35	0.77	1.96	1.00	0.02
2.94	135.88	0.73	2.32	1.00	0.02	2.95	132.44	0.68	2.39	1.00	0.02
2.96	128.98	0.64	2.46	1.00	0.02	2.97	127.91	0.62	2.48	1.00	0.02
2.98	124.43	0.58	2.55	1.00	0.03	2.99	122.02	0.56	2.61	1.00	0.03
3.00	117.49	0.52	2.72	1.00	0.03	3.01	107.53	0.45	2.98	1.00	0.03
3.02	99.38	0.41	3.23	1.00	0.03	3.03	95.63	0.39	3.36	1.00	0.03
3.04	92.29	0.37	3.48	1.00	0.03	3.05	92.47	0.37	3.48	1.00	0.03
3.06	92.74	0.38	3.47	1.00	0.03	3.07	97.74	0.40	3.29	1.00	0.03
3.08	99.14	0.40	3.24	1.00	0.03	3.09	100.61	0.41	3.19	1.00	0.03
3.10	104.71	0.43	3.06	1.00	0.03	3.11	107.86	0.45	2.97	1.00	0.03
3.12	108.29	0.45	2.96	1.00	0.03	3.13	104.91	0.43	3.06	1.00	0.03
3.14	100.53	0.41	3.20	1.00	0.03	3.15	100.00	0.41	3.21	1.00	0.03
3.16	100.05	0.41	3.21	1.00	0.03	3.17	98.81	0.40	3.25	1.00	0.03
3.18	95.44	0.38	3.37	1.00	0.03	3.19	93.93	0.38	3.42	1.00	0.03
3.20	94.57	0.38	3.40	1.00	0.03	3.21	95.08	0.38	3.38	1.00	0.03
3.22	98.07	0.39	3.28	1.00	0.03	3.23	99.25	0.40	3.24	1.00	0.03
3.24	98.75	0.40	3.25	1.00	0.03	3.25	97.37	0.39	3.30	1.00	0.03
3.26	95.86	0.38	3.35	1.00	0.03	3.27	96.99	0.39	3.31	1.00	0.03
3.28	99.14	0.40	3.24	1.00	0.03	3.29	99.98	0.40	3.21	1.00	0.03
3.30	99.81	0.40	3.22	1.00	0.03	3.31	100.11	0.40	3.21	1.00	0.03
3.32	99.07	0.40	3.24	1.00	0.03	3.33	99.06	0.40	3.24	1.00	0.03
3.34	97.93	0.39	3.28	1.00	0.03	3.35	97.88	0.39	3.28	1.00	0.03
3.36	98.07	0.39	3.28	1.00	0.03	3.37	98.91	0.39	3.25	1.00	0.03
3.38	98.01	0.39	3.28	1.00	0.03	3.39	99.03	0.39	3.25	1.00	0.03
3.40	98.93	0.39	3.25	1.00	0.03	3.41	99.49	0.40	3.23	1.00	0.03
3.42	97.39	0.39	3.30	1.00	0.03	3.43	97.38	0.38	3.30	1.00	0.03
3.44	96.72	0.38	3.32	1.00	0.03	3.45	96.03	0.38	3.35	1.00	0.03
3.46	95.16	0.37	3.38	1.00	0.03	3.47	95.33	0.37	3.37	1.00	0.03
3.48	95.67	0.38	3.36	1.00	0.03	3.49	98.78	0.39	3.25	1.00	0.03
3.50	99.69	0.39	3.22	1.00	0.03	3.51	100.86	0.40	3.19	1.00	0.03
3.52	102.46	0.41	3.13	1.00	0.03	3.53	107.36	0.43	2.99	1.00	0.03
3.54	110.09	0.45	2.91	1.00	0.03	3.55	112.86	0.47	2.83	1.00	0.03
3.56	113.32	0.47	2.82	1.00	0.03	3.57	114.42	0.48	2.79	1.00	0.03
3.58	110.05	0.45	2.91	1.00	0.03	3.59	107.93	0.44	2.97	1.00	0.03
3.60	104.10	0.41	3.08	1.00	0.03	3.61	102.00	0.40	3.15	1.00	0.03
3.62	98.69	0.39	3.26	1.00	0.03	3.63	94.85	0.37	3.39	1.00	0.03
3.64	90.12	0.35	3.57	1.00	0.04	3.65	87.19	0.34	3.69	1.00	0.04
3.66	83.82	0.33	3.83	1.00	0.04	3.67	82.32	0.32	3.90	1.00	0.04
3.68	80.81	0.31	3.97	1.00	0.04	3.69	80.40	0.31	3.99	1.00	0.04
3.70	80.57	0.31	3.98	1.00	0.04	3.71	83.95	0.32	3.83	1.00	0.04
3.72	88.19	0.34	3.65	1.00	0.04	3.73	90.46	0.35	3.55	1.00	0.04
3.74	93.17	0.36	3.45	1.00	0.03	3.75	94.15	0.36	3.42	1.00	0.03
3.76	95.52	0.37	3.37	1.00	0.03	3.77	96.77	0.37	3.32	1.00	0.03
3.78	98.12	0.38	3.28	1.00	0.03	3.79	99.92	0.39	3.22	1.00	0.03
3.80	99.62	0.39	3.23	1.00	0.03	3.81	100.68	0.39	3.19	1.00	0.03
3.82	101.17	0.39	3.17	1.00	0.03	3.83	99.96	0.39	3.21	1.00	0.03
3.84	100.11	0.39	3.21	1.00	0.03	3.85	99.59	0.38	3.23	1.00	0.03
3.86	99.86	0.38	3.22	1.00	0.03	3.87	97.76	0.37	3.29	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	97.16	0.37	3.31	1.00	0.03	3.89	97.38	0.37	3.30	1.00	0.03
3.90	97.64	0.37	3.29	1.00	0.03	3.91	94.29	0.36	3.41	1.00	0.03
3.92	94.61	0.36	3.40	1.00	0.03	3.93	98.54	0.38	3.26	1.00	0.03
3.94	94.22	0.36	3.41	1.00	0.03	3.95	96.10	0.37	3.35	1.00	0.03
3.96	93.79	0.36	3.43	1.00	0.03	3.97	93.44	0.35	3.44	1.00	0.03
3.98	93.58	0.35	3.44	1.00	0.03	3.99	93.74	0.35	3.43	1.00	0.03
4.00	93.35	0.35	3.44	1.00	0.03	4.01	92.40	0.35	3.48	1.00	0.03
4.02	91.43	0.35	3.52	1.00	0.04	4.03	90.98	0.34	3.53	1.00	0.04
4.04	91.30	0.34	3.52	1.00	0.04	4.05	92.92	0.35	3.46	1.00	0.03
4.06	94.06	0.35	3.42	1.00	0.03	4.07	95.68	0.36	3.36	1.00	0.03
4.08	95.52	0.36	3.37	1.00	0.03	4.09	96.89	0.37	3.32	1.00	0.03
4.10	99.77	0.38	3.22	1.00	0.03	4.11	100.80	0.38	3.19	1.00	0.03
4.12	103.04	0.39	3.12	1.00	0.03	4.13	103.80	0.40	3.09	1.00	0.03
4.14	105.01	0.40	3.06	1.00	0.03	4.15	104.12	0.40	3.08	1.00	0.03
4.16	104.55	0.40	3.07	1.00	0.03	4.17	104.61	0.40	3.07	1.00	0.03
4.18	102.61	0.39	3.13	1.00	0.03	4.19	102.04	0.39	3.15	1.00	0.03
4.20	101.13	0.38	3.18	1.00	0.03	4.21	100.50	0.38	3.20	1.00	0.03
4.22	98.80	0.37	3.25	1.00	0.03	4.23	98.33	0.37	3.27	1.00	0.03
4.24	97.78	0.37	3.29	1.00	0.03	4.25	97.03	0.36	3.31	1.00	0.03
4.26	96.54	0.36	3.33	1.00	0.03	4.27	96.11	0.36	3.35	1.00	0.03
4.28	93.84	0.35	3.43	1.00	0.03	4.29	92.74	0.35	3.47	1.00	0.03
4.30	91.25	0.34	3.52	1.00	0.04	4.31	90.00	0.33	3.57	1.00	0.04
4.32	86.55	0.32	3.71	1.00	0.04	4.33	85.30	0.32	3.77	1.00	0.04
4.34	84.13	0.31	3.82	1.00	0.04	4.35	83.06	0.31	3.87	1.00	0.04
4.36	81.13	0.30	3.96	1.00	0.04	4.37	80.93	0.30	3.96	1.00	0.04
4.38	80.77	0.30	3.97	1.00	0.04	4.39	80.49	0.30	3.99	1.00	0.04
4.40	81.81	0.31	3.92	1.00	0.04	4.41	82.33	0.31	3.90	1.00	0.04
4.42	83.24	0.31	3.86	1.00	0.04	4.43	83.31	0.31	3.85	1.00	0.04
4.44	86.09	0.32	3.73	1.00	0.04	4.45	83.39	0.31	3.85	1.00	0.04
4.46	81.97	0.31	3.92	1.00	0.04	4.47	79.62	0.30	4.03	1.00	0.04
4.48	78.35	0.29	4.09	1.00	0.04	4.49	77.09	0.29	4.15	1.00	0.04
4.50	75.22	0.28	4.25	1.00	0.04	4.51	72.70	0.28	4.39	1.00	0.04
4.52	69.89	0.27	4.56	1.00	0.05	4.53	67.84	0.27	4.68	1.00	0.05
4.54	68.03	0.27	4.67	1.00	0.05	4.55	65.92	0.26	4.81	1.00	0.05
4.56	64.57	0.26	4.90	1.00	0.05	4.57	69.15	0.27	4.60	1.00	0.05
4.58	72.57	0.28	4.40	1.00	0.04	4.59	76.03	0.29	4.21	1.00	0.04
4.60	73.34	0.28	4.35	1.00	0.04	4.61	76.12	0.29	4.20	1.00	0.04
4.62	81.29	0.30	3.95	1.00	0.04	4.63	89.79	0.33	3.58	1.00	0.04
4.64	86.79	0.32	3.70	1.00	0.04	4.65	90.67	0.33	3.55	1.00	0.04
4.66	92.71	0.34	3.47	1.00	0.03	4.67	94.74	0.35	3.39	1.00	0.03
4.68	94.91	0.35	3.39	1.00	0.03	4.69	97.80	0.36	3.29	1.00	0.03
4.70	98.21	0.36	3.27	1.00	0.03	4.71	104.25	0.39	3.08	1.00	0.03
4.72	103.62	0.39	3.10	1.00	0.03	4.73	100.74	0.37	3.19	1.00	0.03
4.74	99.86	0.37	3.22	1.00	0.03	4.75	93.79	0.34	3.43	1.00	0.03
4.76	93.35	0.34	3.44	1.00	0.03	4.77	97.25	0.36	3.31	1.00	0.03
4.78	97.74	0.36	3.29	1.00	0.03	4.79	97.79	0.36	3.29	1.00	0.03
4.80	95.45	0.35	3.37	1.00	0.03	4.81	93.50	0.34	3.44	1.00	0.03
4.82	91.39	0.33	3.52	1.00	0.04	4.83	89.67	0.33	3.59	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	87.37	0.32	3.68	1.00	0.04	4.85	88.32	0.32	3.64	1.00	0.04
4.86	89.61	0.32	3.59	1.00	0.04	4.87	92.38	0.33	3.48	1.00	0.03
4.88	93.73	0.34	3.43	1.00	0.03	4.89	95.32	0.35	3.37	1.00	0.03
4.90	96.56	0.35	3.33	1.00	0.03	4.91	95.97	0.35	3.35	1.00	0.03
4.92	84.17	0.31	3.82	1.00	0.04	4.93	87.16	0.32	3.69	1.00	0.04
4.94	89.95	0.33	3.57	1.00	0.04	4.95	93.25	0.34	3.45	1.00	0.03
4.96	94.77	0.34	3.39	1.00	0.03	4.97	96.62	0.35	3.33	1.00	0.03
4.98	96.04	0.35	3.35	1.00	0.03	4.99	96.77	0.35	3.32	1.00	0.03
5.00	97.82	0.36	3.29	1.00	0.03	5.01	93.49	0.34	3.44	1.00	0.03
5.02	93.12	0.34	3.45	1.00	0.03	5.03	91.67	0.33	3.51	1.00	0.04
5.04	88.52	0.32	3.63	1.00	0.04	5.05	88.14	0.32	3.65	1.00	0.04
5.06	86.88	0.31	3.70	1.00	0.04	5.07	86.18	0.31	3.73	1.00	0.04
5.08	83.63	0.30	3.84	1.00	0.04	5.09	83.00	0.30	3.87	1.00	0.04
5.10	82.36	0.30	3.90	1.00	0.04	5.11	81.39	0.30	3.94	1.00	0.04
5.12	20.46	2.00	0.00	1.00	0.00	5.13	80.58	0.29	3.98	1.00	0.04
5.14	84.86	0.31	3.79	1.00	0.04	5.15	99.02	0.36	3.25	1.00	0.03
5.16	99.86	0.36	3.22	1.00	0.03	5.17	98.28	0.36	3.27	1.00	0.03
5.18	92.28	0.33	3.48	1.00	0.03	5.19	89.35	0.32	3.60	1.00	0.04
5.20	81.63	0.30	3.93	1.00	0.04	5.21	84.33	0.30	3.81	1.00	0.04
5.22	88.30	0.32	3.64	1.00	0.04	5.23	91.88	0.33	3.50	1.00	0.03
5.24	95.57	0.34	3.36	1.00	0.03	5.25	95.47	0.34	3.37	1.00	0.03
5.26	93.65	0.34	3.43	1.00	0.03	5.27	93.62	0.34	3.43	1.00	0.03
5.28	93.74	0.34	3.43	1.00	0.03	5.29	94.59	0.34	3.40	1.00	0.03
5.30	93.52	0.33	3.44	1.00	0.03	5.31	94.45	0.34	3.40	1.00	0.03
5.32	95.61	0.34	3.36	1.00	0.03	5.33	93.68	0.33	3.43	1.00	0.03
5.34	92.94	0.33	3.46	1.00	0.03	5.35	91.92	0.33	3.50	1.00	0.03
5.36	85.04	0.30	3.78	1.00	0.04	5.37	82.48	0.30	3.89	1.00	0.04
5.38	79.49	0.29	4.03	1.00	0.04	5.39	19.97	2.00	0.00	1.00	0.00
5.40	15.12	2.00	0.00	1.00	0.00	5.41	13.61	2.00	0.00	1.00	0.00
5.42	12.47	2.00	0.00	1.00	0.00	5.43	11.46	2.00	0.00	1.00	0.00
5.44	10.33	2.00	0.00	1.00	0.00	5.45	9.82	2.00	0.00	1.00	0.00
5.46	9.31	2.00	0.00	1.00	0.00	5.47	8.81	2.00	0.00	1.00	0.00
5.48	8.42	2.00	0.00	1.00	0.00	5.49	8.17	2.00	0.00	1.00	0.00
5.50	8.41	2.00	0.00	1.00	0.00	5.51	9.66	2.00	0.00	1.00	0.00
5.52	11.40	2.00	0.00	1.00	0.00	5.53	11.39	2.00	0.00	1.00	0.00
5.54	11.14	2.00	0.00	1.00	0.00	5.55	10.88	2.00	0.00	1.00	0.00
5.56	10.25	2.00	0.00	1.00	0.00	5.57	9.13	2.00	0.00	1.00	0.00
5.58	8.37	2.00	0.00	1.00	0.00	5.59	7.99	2.00	0.00	1.00	0.00
5.60	8.11	2.00	0.00	1.00	0.00	5.61	8.73	2.00	0.00	1.00	0.00
5.62	11.96	2.00	0.00	1.00	0.00	5.63	13.33	2.00	0.00	1.00	0.00
5.64	72.01	0.27	4.43	1.00	0.04	5.65	74.34	0.27	4.30	1.00	0.04
5.66	88.04	0.31	3.65	1.00	0.04	5.67	85.57	0.30	3.76	1.00	0.04
5.68	79.04	0.28	4.06	1.00	0.04	5.69	83.85	0.30	3.83	1.00	0.04
5.70	86.26	0.31	3.73	1.00	0.04	5.71	91.16	0.32	3.53	1.00	0.04
5.72	91.34	0.32	3.52	1.00	0.04	5.73	90.39	0.32	3.56	1.00	0.04
5.74	85.61	0.30	3.75	1.00	0.04	5.75	82.51	0.29	3.89	1.00	0.04
5.76	79.29	0.28	4.04	1.00	0.04	5.77	75.95	0.28	4.21	1.00	0.04
5.78	72.80	0.27	4.38	1.00	0.04	5.79	78.28	0.28	4.09	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	82.20	0.29	3.91	1.00	0.04	5.81	86.92	0.31	3.70	1.00	0.04
5.82	89.46	0.32	3.59	1.00	0.04	5.83	92.36	0.33	3.48	1.00	0.03
5.84	93.66	0.33	3.43	1.00	0.03	5.85	92.81	0.33	3.46	1.00	0.03
5.86	93.46	0.33	3.44	1.00	0.03	5.87	89.50	0.31	3.59	1.00	0.04
5.88	82.73	0.29	3.88	1.00	0.04	5.89	86.03	0.30	3.74	1.00	0.04
5.90	84.65	0.30	3.80	1.00	0.04	5.91	84.47	0.30	3.80	1.00	0.04
5.92	89.02	0.31	3.61	1.00	0.04	5.93	91.32	0.32	3.52	1.00	0.04
5.94	92.61	0.33	3.47	1.00	0.03	5.95	94.00	0.33	3.42	1.00	0.03
5.96	95.76	0.34	3.36	1.00	0.03	5.97	96.15	0.34	3.34	1.00	0.03
5.98	96.32	0.34	3.34	1.00	0.03	5.99	95.61	0.34	3.36	1.00	0.03
6.00	94.98	0.33	3.39	1.00	0.03	6.01	93.05	0.33	3.46	1.00	0.03
6.02	91.89	0.32	3.50	1.00	0.03	6.03	90.40	0.32	3.56	1.00	0.04
6.04	88.57	0.31	3.63	1.00	0.04	6.05	85.36	0.30	3.76	1.00	0.04
6.06	84.61	0.30	3.80	1.00	0.04	6.07	84.54	0.30	3.80	1.00	0.04
6.08	84.92	0.30	3.78	1.00	0.04	6.09	85.95	0.30	3.74	1.00	0.04
6.10	86.33	0.30	3.72	1.00	0.04	6.11	86.88	0.30	3.70	1.00	0.04
6.12	86.97	0.31	3.70	1.00	0.04	6.13	86.87	0.30	3.70	1.00	0.04
6.14	86.70	0.30	3.71	1.00	0.04	6.15	86.02	0.30	3.74	1.00	0.04
6.16	85.73	0.30	3.75	1.00	0.04	6.17	85.41	0.30	3.76	1.00	0.04
6.18	85.64	0.30	3.75	1.00	0.04	6.19	85.11	0.30	3.77	1.00	0.04
6.20	84.81	0.30	3.79	1.00	0.04	6.21	83.26	0.29	3.86	1.00	0.04
6.22	83.12	0.29	3.86	1.00	0.04	6.23	83.85	0.29	3.83	1.00	0.04
6.24	87.96	0.31	3.65	1.00	0.04	6.25	88.34	0.31	3.64	1.00	0.04
6.26	91.96	0.32	3.50	1.00	0.03	6.27	94.71	0.33	3.40	1.00	0.03
6.28	89.83	0.31	3.58	1.00	0.04	6.29	89.66	0.31	3.59	1.00	0.04
6.30	87.50	0.31	3.67	1.00	0.04	6.31	85.63	0.30	3.75	1.00	0.04
6.32	84.03	0.30	3.82	1.00	0.04	6.33	78.97	0.28	4.06	1.00	0.04
6.34	20.85	2.00	0.00	1.00	0.00	6.35	19.55	2.00	0.00	1.00	0.00
6.36	18.24	2.00	0.00	1.00	0.00	6.37	15.65	2.00	0.00	1.00	0.00
6.38	14.57	2.00	0.00	1.00	0.00	6.39	13.74	2.00	0.00	1.00	0.00
6.40	12.32	2.00	0.00	1.00	0.00	6.41	11.73	2.00	0.00	1.00	0.00
6.42	11.13	2.00	0.00	1.00	0.00	6.43	10.89	2.00	0.00	1.00	0.00
6.44	10.41	2.00	0.00	1.00	0.00	6.45	10.40	2.00	0.00	1.00	0.00
6.46	10.40	2.00	0.00	1.00	0.00	6.47	10.51	2.00	0.00	1.00	0.00
6.48	10.26	2.00	0.00	1.00	0.00	6.49	10.26	2.00	0.00	1.00	0.00
6.50	10.25	2.00	0.00	1.00	0.00	6.51	10.48	2.00	0.00	1.00	0.00
6.52	10.95	2.00	0.00	1.00	0.00	6.53	10.94	2.00	0.00	1.00	0.00
6.54	10.93	2.00	0.00	1.00	0.00	6.55	10.93	2.00	0.00	1.00	0.00
6.56	10.92	2.00	0.00	1.00	0.00	6.57	10.92	2.00	0.00	1.00	0.00
6.58	10.79	2.00	0.00	1.00	0.00	6.59	10.55	2.00	0.00	1.00	0.00
6.60	9.49	2.00	0.00	1.00	0.00	6.61	8.78	2.00	0.00	1.00	0.00
6.62	8.19	2.00	0.00	1.00	0.00	6.63	7.72	2.00	0.00	1.00	0.00
6.64	7.36	2.00	0.00	1.00	0.00	6.65	7.36	2.00	0.00	1.00	0.00
6.66	7.12	2.00	0.00	1.00	0.00	6.67	6.64	2.00	0.00	1.00	0.00
6.68	6.64	2.00	0.00	1.00	0.00	6.69	6.64	2.00	0.00	1.00	0.00
6.70	6.87	2.00	0.00	1.00	0.00	6.71	7.45	2.00	0.00	1.00	0.00
6.72	7.80	2.00	0.00	1.00	0.00	6.73	8.26	2.00	0.00	1.00	0.00
6.74	8.61	2.00	0.00	1.00	0.00	6.75	7.90	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	7.67	2.00	0.00	1.00	0.00	6.77	7.78	2.00	0.00	1.00	0.00
6.78	7.66	2.00	0.00	1.00	0.00	6.79	7.42	2.00	0.00	1.00	0.00
6.80	7.42	2.00	0.00	1.00	0.00	6.81	7.65	2.00	0.00	1.00	0.00
6.82	7.76	2.00	0.00	1.00	0.00	6.83	8.22	2.00	0.00	1.00	0.00
6.84	8.45	2.00	0.00	1.00	0.00	6.85	8.68	2.00	0.00	1.00	0.00
6.86	8.79	2.00	0.00	1.00	0.00	6.87	8.90	2.00	0.00	1.00	0.00
6.88	9.13	2.00	0.00	1.00	0.00	6.89	9.24	2.00	0.00	1.00	0.00
6.90	9.23	2.00	0.00	1.00	0.00	6.91	9.23	2.00	0.00	1.00	0.00
6.92	9.46	2.00	0.00	1.00	0.00	6.93	9.57	2.00	0.00	1.00	0.00
6.94	9.68	2.00	0.00	1.00	0.00	6.95	10.13	2.00	0.00	1.00	0.00
6.96	10.82	2.00	0.00	1.00	0.00	6.97	12.31	2.00	0.00	1.00	0.00
6.98	12.76	2.00	0.00	1.00	0.00	6.99	12.86	2.00	0.00	1.00	0.00
7.00	11.14	2.00	0.00	1.00	0.00	7.01	9.99	2.00	0.00	1.00	0.00
7.02	8.95	2.00	0.00	1.00	0.00	7.03	7.67	2.00	0.00	1.00	0.00
7.04	6.86	2.00	0.00	1.00	0.00	7.05	6.86	2.00	0.00	1.00	0.00
7.06	6.63	2.00	0.00	1.00	0.00	7.07	6.51	2.00	0.00	1.00	0.00
7.08	6.27	2.00	0.00	1.00	0.00	7.09	6.27	2.00	0.00	1.00	0.00
7.10	6.27	2.00	0.00	1.00	0.00	7.11	6.26	2.00	0.00	1.00	0.00
7.12	6.38	2.00	0.00	1.00	0.00	7.13	6.37	2.00	0.00	1.00	0.00
7.14	6.37	2.00	0.00	1.00	0.00	7.15	6.37	2.00	0.00	1.00	0.00
7.16	6.48	2.00	0.00	1.00	0.00	7.17	6.59	2.00	0.00	1.00	0.00
7.18	6.82	2.00	0.00	1.00	0.00	7.19	6.93	2.00	0.00	1.00	0.00
7.20	7.16	2.00	0.00	1.00	0.00	7.21	7.61	2.00	0.00	1.00	0.00
7.22	8.06	2.00	0.00	1.00	0.00	7.23	8.97	2.00	0.00	1.00	0.00
7.24	12.40	2.00	0.00	1.00	0.00	7.25	77.16	0.27	4.15	1.00	0.04
7.26	78.69	0.28	4.07	1.00	0.04	7.27	81.04	0.28	3.96	1.00	0.04
7.28	82.69	0.29	3.88	1.00	0.04	7.29	80.07	0.28	4.01	1.00	0.04
7.30	79.11	0.28	4.05	1.00	0.04	7.31	77.95	0.27	4.11	1.00	0.04
7.32	76.31	0.27	4.19	1.00	0.04	7.33	75.28	0.27	4.25	1.00	0.04
7.34	75.03	0.27	4.26	1.00	0.04	7.35	74.60	0.27	4.29	1.00	0.04
7.36	18.16	2.00	0.00	1.00	0.00	7.37	15.12	2.00	0.00	1.00	0.00
7.38	13.53	2.00	0.00	1.00	0.00	7.39	11.95	2.00	0.00	1.00	0.00
7.40	11.04	2.00	0.00	1.00	0.00	7.41	9.23	2.00	0.00	1.00	0.00
7.42	8.43	2.00	0.00	1.00	0.00	7.43	7.98	2.00	0.00	1.00	0.00
7.44	7.52	2.00	0.00	1.00	0.00	7.45	7.29	2.00	0.00	1.00	0.00
7.46	7.17	2.00	0.00	1.00	0.00	7.47	7.17	2.00	0.00	1.00	0.00
7.48	7.05	2.00	0.00	1.00	0.00	7.49	7.05	2.00	0.00	1.00	0.00
7.50	6.93	2.00	0.00	1.00	0.00	7.51	6.93	2.00	0.00	1.00	0.00
7.52	6.92	2.00	0.00	1.00	0.00	7.53	6.92	2.00	0.00	1.00	0.00
7.54	6.92	2.00	0.00	1.00	0.00	7.55	6.91	2.00	0.00	1.00	0.00
7.56	6.80	2.00	0.00	1.00	0.00	7.57	6.79	2.00	0.00	1.00	0.00
7.58	6.79	2.00	0.00	1.00	0.00	7.59	6.90	2.00	0.00	1.00	0.00
7.60	7.01	2.00	0.00	1.00	0.00	7.61	7.34	2.00	0.00	1.00	0.00
7.62	8.80	2.00	0.00	1.00	0.00	7.63	9.58	2.00	0.00	1.00	0.00
7.64	10.58	2.00	0.00	1.00	0.00	7.65	10.35	2.00	0.00	1.00	0.00
7.66	9.45	2.00	0.00	1.00	0.00	7.67	9.11	2.00	0.00	1.00	0.00
7.68	8.10	2.00	0.00	1.00	0.00	7.69	7.43	2.00	0.00	1.00	0.00
7.70	7.20	2.00	0.00	1.00	0.00	7.71	7.09	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	7.08	2.00	0.00	1.00	0.00	7.73	7.08	2.00	0.00	1.00	0.00
7.74	7.08	2.00	0.00	1.00	0.00	7.75	7.07	2.00	0.00	1.00	0.00
7.76	7.07	2.00	0.00	1.00	0.00	7.77	7.18	2.00	0.00	1.00	0.00
7.78	7.73	2.00	0.00	1.00	0.00	7.79	9.28	2.00	0.00	1.00	0.00
7.80	13.83	2.00	0.00	1.00	0.00	7.81	79.34	0.28	4.04	1.00	0.04
7.82	81.02	0.28	3.96	1.00	0.04	7.83	82.38	0.28	3.90	1.00	0.04
7.84	83.07	0.29	3.87	1.00	0.04	7.85	77.74	0.27	4.12	1.00	0.04
7.86	76.22	0.27	4.20	1.00	0.04	7.87	74.46	0.26	4.29	1.00	0.04
7.88	73.16	0.26	4.36	1.00	0.04	7.89	15.09	2.00	0.00	1.00	0.00
7.90	15.08	2.00	0.00	1.00	0.00	7.91	15.07	2.00	0.00	1.00	0.00
7.92	12.75	2.00	0.00	1.00	0.00	7.93	11.86	2.00	0.00	1.00	0.00
7.94	11.09	2.00	0.00	1.00	0.00	7.95	10.64	2.00	0.00	1.00	0.00
7.96	10.31	2.00	0.00	1.00	0.00	7.97	10.08	2.00	0.00	1.00	0.00
7.98	9.97	2.00	0.00	1.00	0.00	7.99	9.85	2.00	0.00	1.00	0.00
8.00	9.85	2.00	0.00	1.00	0.00	8.01	9.84	2.00	0.00	1.00	0.00
8.02	9.73	2.00	0.00	1.00	0.00	8.03	9.50	2.00	0.00	1.00	0.00
8.04	9.50	2.00	0.00	1.00	0.00	8.05	9.38	2.00	0.00	1.00	0.00
8.06	9.38	2.00	0.00	1.00	0.00	8.07	9.26	2.00	0.00	1.00	0.00
8.08	9.26	2.00	0.00	1.00	0.00	8.09	9.25	2.00	0.00	1.00	0.00
8.10	9.36	2.00	0.00	1.00	0.00	8.11	9.46	2.00	0.00	1.00	0.00
8.12	9.46	2.00	0.00	1.00	0.00	8.13	9.56	2.00	0.00	1.00	0.00
8.14	9.56	2.00	0.00	1.00	0.00	8.15	9.56	2.00	0.00	1.00	0.00
8.16	9.44	2.00	0.00	1.00	0.00	8.17	9.33	2.00	0.00	1.00	0.00
8.18	9.32	2.00	0.00	1.00	0.00	8.19	9.21	2.00	0.00	1.00	0.00
8.20	9.32	2.00	0.00	1.00	0.00	8.21	10.07	2.00	0.00	1.00	0.00
8.22	11.26	2.00	0.00	1.00	0.00	8.23	12.67	2.00	0.00	1.00	0.00
8.24	15.26	2.00	0.00	1.00	0.00	8.25	14.07	2.00	0.00	1.00	0.00
8.26	13.84	2.00	0.00	1.00	0.00	8.27	13.40	2.00	0.00	1.00	0.00
8.28	11.56	2.00	0.00	1.00	0.00	8.29	10.90	2.00	0.00	1.00	0.00
8.30	10.46	2.00	0.00	1.00	0.00	8.31	10.02	2.00	0.00	1.00	0.00
8.32	10.02	2.00	0.00	1.00	0.00	8.33	10.01	2.00	0.00	1.00	0.00
8.34	10.23	2.00	0.00	1.00	0.00	8.35	11.19	2.00	0.00	1.00	0.00
8.36	11.84	2.00	0.00	1.00	0.00	8.37	12.26	2.00	0.00	1.00	0.00
8.38	12.37	2.00	0.00	1.00	0.00	8.39	12.90	2.00	0.00	1.00	0.00
8.40	13.54	2.00	0.00	1.00	0.00	8.41	13.96	2.00	0.00	1.00	0.00
8.42	14.71	2.00	0.00	1.00	0.00	8.43	16.86	2.00	0.00	1.00	0.00
8.44	73.61	0.26	4.34	1.00	0.04	8.45	74.79	0.26	4.28	1.00	0.04
8.46	83.75	0.29	3.84	1.00	0.04	8.47	86.16	0.29	3.73	1.00	0.04
8.48	88.43	0.30	3.64	1.00	0.04	8.49	91.40	0.31	3.52	1.00	0.04
8.50	102.43	0.35	3.13	1.00	0.03	8.51	106.81	0.38	3.00	1.00	0.03
8.52	102.63	0.36	3.13	1.00	0.03	8.53	90.63	0.31	3.55	1.00	0.04
8.54	93.19	0.32	3.45	1.00	0.03	8.55	116.48	0.43	2.74	1.00	0.03
8.56	122.77	0.48	2.59	1.00	0.03	8.57	100.09	0.34	3.21	1.00	0.03
8.58	81.57	0.28	3.93	1.00	0.04	8.59	58.50	0.23	5.35	1.00	0.05
8.60	94.52	0.32	3.40	1.00	0.03	8.61	100.57	0.35	3.19	1.00	0.03
8.62	113.73	0.41	2.81	1.00	0.03	8.63	114.61	0.42	2.79	1.00	0.03
8.64	114.47	0.42	2.79	1.00	0.03	8.65	115.35	0.42	2.77	1.00	0.03
8.66	115.60	0.43	2.76	1.00	0.03	8.67	116.31	0.43	2.75	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	116.78	0.43	2.73	1.00	0.03	8.69	118.53	0.45	2.69	1.00	0.03
8.70	118.52	0.45	2.69	1.00	0.03	8.71	117.20	0.44	2.72	1.00	0.03
8.72	118.23	0.44	2.70	1.00	0.03	8.73	117.66	0.44	2.71	1.00	0.03
8.74	108.42	0.38	2.96	1.00	0.03	8.75	94.60	0.32	3.40	1.00	0.03
8.76	81.46	0.28	3.94	1.00	0.04	8.77	81.03	0.28	3.96	1.00	0.04
8.78	80.52	0.28	3.98	1.00	0.04	8.79	78.64	0.27	4.08	1.00	0.04
8.80	77.51	0.27	4.13	1.00	0.04	8.81	76.85	0.27	4.17	1.00	0.04
8.82	75.75	0.27	4.22	1.00	0.04	8.83	75.72	0.27	4.23	1.00	0.04
8.84	75.50	0.27	4.24	1.00	0.04	8.85	75.69	0.27	4.23	1.00	0.04
8.86	76.59	0.27	4.18	1.00	0.04	8.87	77.64	0.27	4.13	1.00	0.04
8.88	78.38	0.27	4.09	1.00	0.04	8.89	80.02	0.28	4.01	1.00	0.04
8.90	79.86	0.28	4.02	1.00	0.04	8.91	78.96	0.28	4.06	1.00	0.04
8.92	81.24	0.28	3.95	1.00	0.04	8.93	84.28	0.29	3.81	1.00	0.04
8.94	86.91	0.30	3.70	1.00	0.04	8.95	92.29	0.32	3.48	1.00	0.03
8.96	96.02	0.33	3.35	1.00	0.03	8.97	100.05	0.34	3.21	1.00	0.03
8.98	103.57	0.36	3.10	1.00	0.03	8.99	108.10	0.38	2.96	1.00	0.03
9.00	109.98	0.39	2.91	1.00	0.03	9.01	113.38	0.41	2.82	1.00	0.03
9.02	113.74	0.41	2.81	1.00	0.03	9.03	113.90	0.42	2.81	1.00	0.03
9.04	114.56	0.42	2.79	1.00	0.03	9.05	114.31	0.42	2.80	1.00	0.03
9.06	114.57	0.42	2.79	1.00	0.03	9.07	116.75	0.43	2.73	1.00	0.03
9.08	119.02	0.45	2.68	1.00	0.03	9.09	121.70	0.47	2.62	1.00	0.03
9.10	125.28	0.50	2.53	1.00	0.03	9.11	126.24	0.51	2.51	1.00	0.03
9.12	125.79	0.51	2.52	1.00	0.03	9.13	124.83	0.50	2.54	1.00	0.03
9.14	124.78	0.50	2.55	1.00	0.03	9.15	124.63	0.50	2.55	1.00	0.03
9.16	123.27	0.48	2.58	1.00	0.03	9.17	121.40	0.47	2.62	1.00	0.03
9.18	119.13	0.45	2.68	1.00	0.03	9.19	114.44	0.42	2.79	1.00	0.03
9.20	112.48	0.41	2.84	1.00	0.03	9.21	110.41	0.40	2.90	1.00	0.03
9.22	104.51	0.37	3.07	1.00	0.03	9.23	101.16	0.35	3.18	1.00	0.03
9.24	98.47	0.34	3.26	1.00	0.03	9.25	94.65	0.32	3.40	1.00	0.03
9.26	97.39	0.33	3.30	1.00	0.03	9.27	100.54	0.35	3.20	1.00	0.03
9.28	105.93	0.37	3.03	1.00	0.03	9.29	106.56	0.38	3.01	1.00	0.03
9.30	109.20	0.39	2.93	1.00	0.03	9.31	110.75	0.40	2.89	1.00	0.03
9.32	104.72	0.37	3.06	1.00	0.03	9.33	103.39	0.36	3.11	1.00	0.03
9.34	101.50	0.35	3.16	1.00	0.03	9.35	93.70	0.32	3.43	1.00	0.03
9.36	91.10	0.31	3.53	1.00	0.04	9.37	88.85	0.31	3.62	1.00	0.04
9.38	27.81	2.00	0.00	1.00	0.00	9.39	23.61	2.00	0.00	1.00	0.00
9.40	21.86	2.00	0.00	1.00	0.00	9.41	20.52	2.00	0.00	1.00	0.00
9.42	19.39	2.00	0.00	1.00	0.00	9.43	16.83	2.00	0.00	1.00	0.00
9.44	15.49	2.00	0.00	1.00	0.00	9.45	15.07	2.00	0.00	1.00	0.00
9.46	14.25	2.00	0.00	1.00	0.00	9.47	13.63	2.00	0.00	1.00	0.00
9.48	13.62	2.00	0.00	1.00	0.00	9.49	13.31	2.00	0.00	1.00	0.00
9.50	12.79	2.00	0.00	1.00	0.00	9.51	12.79	2.00	0.00	1.00	0.00
9.52	12.68	2.00	0.00	1.00	0.00	9.53	12.57	2.00	0.00	1.00	0.00
9.54	12.26	2.00	0.00	1.00	0.00	9.55	12.15	2.00	0.00	1.00	0.00
9.56	12.04	2.00	0.00	1.00	0.00	9.57	11.94	2.00	0.00	1.00	0.00
9.58	11.93	2.00	0.00	1.00	0.00	9.59	12.03	2.00	0.00	1.00	0.00
9.60	12.22	2.00	0.00	1.00	0.00	9.61	13.03	2.00	0.00	1.00	0.00
9.62	13.43	2.00	0.00	1.00	0.00	9.63	13.73	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	13.93	2.00	0.00	1.00	0.00	9.65	14.12	2.00	0.00	1.00	0.00
9.66	14.22	2.00	0.00	1.00	0.00	9.67	14.52	2.00	0.00	1.00	0.00
9.68	14.71	2.00	0.00	1.00	0.00	9.69	14.81	2.00	0.00	1.00	0.00
9.70	14.70	2.00	0.00	1.00	0.00	9.71	14.29	2.00	0.00	1.00	0.00
9.72	14.18	2.00	0.00	1.00	0.00	9.73	14.07	2.00	0.00	1.00	0.00
9.74	13.77	2.00	0.00	1.00	0.00	9.75	13.76	2.00	0.00	1.00	0.00
9.76	13.65	2.00	0.00	1.00	0.00	9.77	13.34	2.00	0.00	1.00	0.00
9.78	12.83	2.00	0.00	1.00	0.00	9.79	12.73	2.00	0.00	1.00	0.00
9.80	12.62	2.00	0.00	1.00	0.00	9.81	12.51	2.00	0.00	1.00	0.00
9.82	12.71	2.00	0.00	1.00	0.00	9.83	13.11	2.00	0.00	1.00	0.00
9.84	13.90	2.00	0.00	1.00	0.00	9.85	14.20	2.00	0.00	1.00	0.00
9.86	14.39	2.00	0.00	1.00	0.00	9.87	14.39	2.00	0.00	1.00	0.00
9.88	14.48	2.00	0.00	1.00	0.00	9.89	14.68	2.00	0.00	1.00	0.00
9.90	14.67	2.00	0.00	1.00	0.00	9.91	14.66	2.00	0.00	1.00	0.00
9.92	15.56	2.00	0.00	1.00	0.00	9.93	15.65	2.00	0.00	1.00	0.00
9.94	15.55	2.00	0.00	1.00	0.00	9.95	15.44	2.00	0.00	1.00	0.00
9.96	15.53	2.00	0.00	1.00	0.00	9.97	15.63	2.00	0.00	1.00	0.00
9.98	15.92	2.00	0.00	1.00	0.00	9.99	16.21	2.00	0.00	1.00	0.00
10.00	16.30	2.00	0.00	1.00	0.00	10.01	16.10	2.00	0.00	1.00	0.00
10.02	15.79	2.00	0.00	1.00	0.00	10.03	15.88	2.00	0.00	1.00	0.00
10.04	16.18	2.00	0.00	1.00	0.00	10.05	16.47	2.00	0.00	1.00	0.00
10.06	16.46	2.00	0.00	1.00	0.00	10.07	16.15	2.00	0.00	1.00	0.00
10.08	15.85	2.00	0.00	1.00	0.00	10.09	15.04	2.00	0.00	1.00	0.00
10.10	14.84	2.00	0.00	1.00	0.00	10.11	14.53	2.00	0.00	1.00	0.00
10.12	14.62	2.00	0.00	1.00	0.00	10.13	14.62	2.00	0.00	1.00	0.00
10.14	14.51	2.00	0.00	1.00	0.00	10.15	14.31	2.00	0.00	1.00	0.00
10.16	13.80	2.00	0.00	1.00	0.00	10.17	13.70	2.00	0.00	1.00	0.00
10.18	13.49	2.00	0.00	1.00	0.00	10.19	13.49	2.00	0.00	1.00	0.00
10.20	13.38	2.00	0.00	1.00	0.00	10.21	13.37	2.00	0.00	1.00	0.00
10.22	13.37	2.00	0.00	1.00	0.00	10.23	13.06	2.00	0.00	1.00	0.00
10.24	12.56	2.00	0.00	1.00	0.00	10.25	12.46	2.00	0.00	1.00	0.00
10.26	12.26	2.00	0.00	1.00	0.00	10.27	12.15	2.00	0.00	1.00	0.00
10.28	12.05	2.00	0.00	1.00	0.00	10.29	11.94	2.00	0.00	1.00	0.00
10.30	11.84	2.00	0.00	1.00	0.00	10.31	11.93	2.00	0.00	1.00	0.00
10.32	12.03	2.00	0.00	1.00	0.00	10.33	12.12	2.00	0.00	1.00	0.00
10.34	12.11	2.00	0.00	1.00	0.00	10.35	12.21	2.00	0.00	1.00	0.00
10.36	12.30	2.00	0.00	1.00	0.00	10.37	12.49	2.00	0.00	1.00	0.00
10.38	12.68	2.00	0.00	1.00	0.00	10.39	12.78	2.00	0.00	1.00	0.00
10.40	12.87	2.00	0.00	1.00	0.00	10.41	13.06	2.00	0.00	1.00	0.00
10.42	13.25	2.00	0.00	1.00	0.00	10.43	13.64	2.00	0.00	1.00	0.00
10.44	14.13	2.00	0.00	1.00	0.00	10.45	14.12	2.00	0.00	1.00	0.00
10.46	14.02	2.00	0.00	1.00	0.00	10.47	13.52	2.00	0.00	1.00	0.00
10.48	13.22	2.00	0.00	1.00	0.00	10.49	13.31	2.00	0.00	1.00	0.00
10.50	13.21	2.00	0.00	1.00	0.00	10.51	13.30	2.00	0.00	1.00	0.00
10.52	13.59	2.00	0.00	1.00	0.00	10.53	13.78	2.00	0.00	1.00	0.00
10.54	15.24	2.00	0.00	1.00	0.00	10.55	15.92	2.00	0.00	1.00	0.00
10.56	16.40	2.00	0.00	1.00	0.00	10.57	15.90	2.00	0.00	1.00	0.00
10.58	16.68	2.00	0.00	1.00	0.00	10.59	16.87	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
10.60	16.96	2.00	0.00	1.00	0.00	10.61	17.24	2.00	0.00	1.00	0.00
10.62	17.24	2.00	0.00	1.00	0.00	10.63	17.13	2.00	0.00	1.00	0.00
10.64	17.03	2.00	0.00	1.00	0.00	10.65	17.12	2.00	0.00	1.00	0.00
10.66	17.30	2.00	0.00	1.00	0.00	10.67	17.59	2.00	0.00	1.00	0.00
10.68	17.48	2.00	0.00	1.00	0.00	10.69	17.48	2.00	0.00	1.00	0.00
10.70	17.57	2.00	0.00	1.00	0.00	10.71	17.27	2.00	0.00	1.00	0.00
10.72	16.77	2.00	0.00	1.00	0.00	10.73	16.67	2.00	0.00	1.00	0.00
10.74	16.56	2.00	0.00	1.00	0.00	10.75	15.30	2.00	0.00	1.00	0.00
10.76	15.00	2.00	0.00	1.00	0.00	10.77	14.99	2.00	0.00	1.00	0.00
10.78	14.98	2.00	0.00	1.00	0.00	10.79	14.78	2.00	0.00	1.00	0.00
10.80	14.58	2.00	0.00	1.00	0.00	10.81	14.58	2.00	0.00	1.00	0.00
10.82	14.67	2.00	0.00	1.00	0.00	10.83	14.85	2.00	0.00	1.00	0.00
10.84	15.04	2.00	0.00	1.00	0.00	10.85	15.32	2.00	0.00	1.00	0.00
10.86	15.51	2.00	0.00	1.00	0.00	10.87	15.70	2.00	0.00	1.00	0.00
10.88	15.88	2.00	0.00	1.00	0.00	10.89	16.16	2.00	0.00	1.00	0.00
10.90	16.16	2.00	0.00	1.00	0.00	10.91	16.15	2.00	0.00	1.00	0.00
10.92	17.78	2.00	0.00	1.00	0.00	10.93	18.25	2.00	0.00	1.00	0.00
10.94	17.96	2.00	0.00	1.00	0.00	10.95	17.95	2.00	0.00	1.00	0.00
10.96	17.94	2.00	0.00	1.00	0.00	10.97	17.84	2.00	0.00	1.00	0.00
10.98	17.45	2.00	0.00	1.00	0.00	10.99	17.73	2.00	0.00	1.00	0.00
11.00	18.01	2.00	0.00	1.00	0.00	11.01	17.62	2.00	0.00	1.00	0.00
11.02	17.23	2.00	0.00	1.00	0.00	11.03	17.32	2.00	0.00	1.00	0.00
11.04	17.79	2.00	0.00	1.00	0.00	11.05	18.26	2.00	0.00	1.00	0.00
11.06	18.44	2.00	0.00	1.00	0.00	11.07	18.05	2.00	0.00	1.00	0.00
11.08	17.66	2.00	0.00	1.00	0.00	11.09	17.37	2.00	0.00	1.00	0.00
11.10	16.59	2.00	0.00	1.00	0.00	11.11	16.30	2.00	0.00	1.00	0.00
11.12	16.20	2.00	0.00	1.00	0.00	11.13	16.38	2.00	0.00	1.00	0.00
11.14	16.09	2.00	0.00	1.00	0.00	11.15	15.79	2.00	0.00	1.00	0.00
11.16	15.60	2.00	0.00	1.00	0.00	11.17	15.02	2.00	0.00	1.00	0.00
11.18	14.91	2.00	0.00	1.00	0.00	11.19	14.53	2.00	0.00	1.00	0.00
11.20	14.43	2.00	0.00	1.00	0.00	11.21	14.32	2.00	0.00	1.00	0.00
11.22	14.22	2.00	0.00	1.00	0.00	11.23	14.03	2.00	0.00	1.00	0.00
11.24	14.11	2.00	0.00	1.00	0.00	11.25	14.20	2.00	0.00	1.00	0.00
11.26	14.29	2.00	0.00	1.00	0.00	11.27	14.38	2.00	0.00	1.00	0.00
11.28	14.47	2.00	0.00	1.00	0.00	11.29	14.27	2.00	0.00	1.00	0.00
11.30	14.08	2.00	0.00	1.00	0.00	11.31	13.88	2.00	0.00	1.00	0.00
11.32	13.50	2.00	0.00	1.00	0.00	11.33	12.64	2.00	0.00	1.00	0.00
11.34	12.54	2.00	0.00	1.00	0.00	11.35	12.54	2.00	0.00	1.00	0.00
11.36	12.91	2.00	0.00	1.00	0.00	11.37	13.28	2.00	0.00	1.00	0.00
11.38	13.56	2.00	0.00	1.00	0.00	11.39	14.22	2.00	0.00	1.00	0.00
11.40	14.59	2.00	0.00	1.00	0.00	11.41	14.87	2.00	0.00	1.00	0.00
11.42	14.67	2.00	0.00	1.00	0.00	11.43	14.57	2.00	0.00	1.00	0.00
11.44	14.66	2.00	0.00	1.00	0.00	11.45	14.56	2.00	0.00	1.00	0.00
11.46	14.27	2.00	0.00	1.00	0.00	11.47	14.26	2.00	0.00	1.00	0.00
11.48	14.26	2.00	0.00	1.00	0.00	11.49	14.25	2.00	0.00	1.00	0.00
11.50	14.34	2.00	0.00	1.00	0.00	11.51	14.33	2.00	0.00	1.00	0.00
11.52	14.52	2.00	0.00	1.00	0.00	11.53	14.51	2.00	0.00	1.00	0.00
11.54	14.50	2.00	0.00	1.00	0.00	11.55	14.40	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
11.56	14.30	2.00	0.00	1.00	0.00	11.57	14.30	2.00	0.00	1.00	0.00
11.58	14.29	2.00	0.00	1.00	0.00	11.59	14.29	2.00	0.00	1.00	0.00
11.60	14.28	2.00	0.00	1.00	0.00	11.61	14.27	2.00	0.00	1.00	0.00
11.62	14.27	2.00	0.00	1.00	0.00	11.63	14.26	2.00	0.00	1.00	0.00
11.64	14.26	2.00	0.00	1.00	0.00	11.65	14.35	2.00	0.00	1.00	0.00
11.66	14.34	2.00	0.00	1.00	0.00	11.67	14.33	2.00	0.00	1.00	0.00
11.68	14.14	2.00	0.00	1.00	0.00	11.69	13.95	2.00	0.00	1.00	0.00
11.70	13.76	2.00	0.00	1.00	0.00	11.71	13.56	2.00	0.00	1.00	0.00
11.72	13.56	2.00	0.00	1.00	0.00	11.73	12.99	2.00	0.00	1.00	0.00
11.74	12.71	2.00	0.00	1.00	0.00	11.75	12.80	2.00	0.00	1.00	0.00
11.76	12.79	2.00	0.00	1.00	0.00	11.77	12.60	2.00	0.00	1.00	0.00
11.78	12.59	2.00	0.00	1.00	0.00	11.79	12.59	2.00	0.00	1.00	0.00
11.80	12.77	2.00	0.00	1.00	0.00	11.81	12.76	2.00	0.00	1.00	0.00
11.82	12.95	2.00	0.00	1.00	0.00	11.83	13.22	2.00	0.00	1.00	0.00
11.84	13.31	2.00	0.00	1.00	0.00	11.85	13.39	2.00	0.00	1.00	0.00
11.86	13.39	2.00	0.00	1.00	0.00	11.87	13.57	2.00	0.00	1.00	0.00
11.88	13.56	2.00	0.00	1.00	0.00	11.89	13.65	2.00	0.00	1.00	0.00
11.90	13.65	2.00	0.00	1.00	0.00	11.91	13.64	2.00	0.00	1.00	0.00
11.92	13.91	2.00	0.00	1.00	0.00	11.93	14.46	2.00	0.00	1.00	0.00
11.94	14.55	2.00	0.00	1.00	0.00	11.95	14.55	2.00	0.00	1.00	0.00
11.96	14.54	2.00	0.00	1.00	0.00	11.97	14.63	2.00	0.00	1.00	0.00
11.98	15.09	2.00	0.00	1.00	0.00	11.99	15.26	2.00	0.00	1.00	0.00
12.00	15.26	2.00	0.00	1.00	0.00	12.01	14.98	2.00	0.00	1.00	0.00
12.02	14.97	2.00	0.00	1.00	0.00	12.03	14.50	2.00	0.00	1.00	0.00
12.04	14.22	2.00	0.00	1.00	0.00	12.05	14.12	2.00	0.00	1.00	0.00
12.06	13.93	2.00	0.00	1.00	0.00	12.07	13.65	2.00	0.00	1.00	0.00
12.08	13.37	2.00	0.00	1.00	0.00	12.09	13.64	2.00	0.00	1.00	0.00
12.10	13.63	2.00	0.00	1.00	0.00	12.11	13.63	2.00	0.00	1.00	0.00
12.12	13.80	2.00	0.00	1.00	0.00	12.13	13.89	2.00	0.00	1.00	0.00
12.14	14.07	2.00	0.00	1.00	0.00	12.15	14.43	2.00	0.00	1.00	0.00
12.16	14.52	2.00	0.00	1.00	0.00	12.17	14.60	2.00	0.00	1.00	0.00
12.18	14.60	2.00	0.00	1.00	0.00	12.19	14.59	2.00	0.00	1.00	0.00
12.20	14.49	2.00	0.00	1.00	0.00	12.21	14.86	2.00	0.00	1.00	0.00
12.22	14.85	2.00	0.00	1.00	0.00	12.23	15.03	2.00	0.00	1.00	0.00
12.24	15.11	2.00	0.00	1.00	0.00	12.25	15.11	2.00	0.00	1.00	0.00
12.26	14.83	2.00	0.00	1.00	0.00	12.27	14.45	2.00	0.00	1.00	0.00
12.28	14.63	2.00	0.00	1.00	0.00	12.29	14.81	2.00	0.00	1.00	0.00
12.30	14.53	2.00	0.00	1.00	0.00	12.31	14.43	2.00	0.00	1.00	0.00
12.32	14.24	2.00	0.00	1.00	0.00	12.33	14.42	2.00	0.00	1.00	0.00
12.34	14.78	2.00	0.00	1.00	0.00	12.35	15.05	2.00	0.00	1.00	0.00
12.36	15.23	2.00	0.00	1.00	0.00	12.37	15.22	2.00	0.00	1.00	0.00
12.38	15.03	2.00	0.00	1.00	0.00	12.39	15.57	2.00	0.00	1.00	0.00
12.40	15.84	2.00	0.00	1.00	0.00	12.41	16.20	2.00	0.00	1.00	0.00
12.42	16.10	2.00	0.00	1.00	0.00	12.43	16.00	2.00	0.00	1.00	0.00
12.44	15.82	2.00	0.00	1.00	0.00	12.45	15.44	2.00	0.00	1.00	0.00
12.46	14.98	2.00	0.00	1.00	0.00	12.47	14.89	2.00	0.00	1.00	0.00
12.48	14.33	2.00	0.00	1.00	0.00	12.49	14.15	2.00	0.00	1.00	0.00
12.50	14.05	2.00	0.00	1.00	0.00	12.51	13.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
12.52	13.95	2.00	0.00	1.00	0.00	12.53	13.94	2.00	0.00	1.00	0.00
12.54	13.85	2.00	0.00	1.00	0.00	12.55	13.75	2.00	0.00	1.00	0.00
12.56	13.56	2.00	0.00	1.00	0.00	12.57	13.38	2.00	0.00	1.00	0.00
12.58	13.64	2.00	0.00	1.00	0.00	12.59	14.00	2.00	0.00	1.00	0.00
12.60	14.63	2.00	0.00	1.00	0.00	12.61	14.99	2.00	0.00	1.00	0.00
12.62	15.52	2.00	0.00	1.00	0.00	12.63	15.88	2.00	0.00	1.00	0.00
12.64	15.78	2.00	0.00	1.00	0.00	12.65	15.78	2.00	0.00	1.00	0.00
12.66	16.04	2.00	0.00	1.00	0.00	12.67	16.12	2.00	0.00	1.00	0.00
12.68	15.94	2.00	0.00	1.00	0.00	12.69	15.75	2.00	0.00	1.00	0.00
12.70	15.93	2.00	0.00	1.00	0.00	12.71	16.01	2.00	0.00	1.00	0.00
12.72	16.01	2.00	0.00	1.00	0.00	12.73	16.18	2.00	0.00	1.00	0.00
12.74	16.54	2.00	0.00	1.00	0.00	12.75	16.44	2.00	0.00	1.00	0.00
12.76	16.34	2.00	0.00	1.00	0.00	12.77	16.16	2.00	0.00	1.00	0.00
12.78	15.79	2.00	0.00	1.00	0.00	12.79	15.78	2.00	0.00	1.00	0.00
12.80	15.51	2.00	0.00	1.00	0.00	12.81	15.23	2.00	0.00	1.00	0.00
12.82	14.96	2.00	0.00	1.00	0.00	12.83	14.86	2.00	0.00	1.00	0.00
12.84	15.12	2.00	0.00	1.00	0.00	12.85	15.30	2.00	0.00	1.00	0.00
12.86	15.74	2.00	0.00	1.00	0.00	12.87	15.92	2.00	0.00	1.00	0.00
12.88	16.18	2.00	0.00	1.00	0.00	12.89	16.35	2.00	0.00	1.00	0.00
12.90	16.35	2.00	0.00	1.00	0.00	12.91	16.34	2.00	0.00	1.00	0.00
12.92	17.14	2.00	0.00	1.00	0.00	12.93	18.47	2.00	0.00	1.00	0.00
12.94	18.82	2.00	0.00	1.00	0.00	12.95	18.82	2.00	0.00	1.00	0.00
12.96	18.99	2.00	0.00	1.00	0.00	12.97	19.25	2.00	0.00	1.00	0.00
12.98	19.43	2.00	0.00	1.00	0.00	12.99	19.15	2.00	0.00	1.00	0.00
13.00	18.97	2.00	0.00	1.00	0.00	13.01	18.60	2.00	0.00	1.00	0.00
13.02	18.42	2.00	0.00	1.00	0.00	13.03	18.06	2.00	0.00	1.00	0.00
13.04	17.69	2.00	0.00	1.00	0.00	13.05	17.60	2.00	0.00	1.00	0.00
13.06	17.59	2.00	0.00	1.00	0.00	13.07	17.49	2.00	0.00	1.00	0.00
13.08	17.31	2.00	0.00	1.00	0.00	13.09	17.03	2.00	0.00	1.00	0.00
13.10	16.94	2.00	0.00	1.00	0.00	13.11	16.84	2.00	0.00	1.00	0.00
13.12	16.75	2.00	0.00	1.00	0.00	13.13	16.92	2.00	0.00	1.00	0.00
13.14	16.91	2.00	0.00	1.00	0.00	13.15	16.90	2.00	0.00	1.00	0.00
13.16	16.81	2.00	0.00	1.00	0.00	13.17	16.80	2.00	0.00	1.00	0.00
13.18	16.71	2.00	0.00	1.00	0.00	13.19	16.70	2.00	0.00	1.00	0.00
13.20	16.61	2.00	0.00	1.00	0.00	13.21	16.60	2.00	0.00	1.00	0.00
13.22	16.68	2.00	0.00	1.00	0.00	13.23	16.85	2.00	0.00	1.00	0.00
13.24	16.85	2.00	0.00	1.00	0.00	13.25	16.84	2.00	0.00	1.00	0.00
13.26	16.83	2.00	0.00	1.00	0.00	13.27	16.74	2.00	0.00	1.00	0.00
13.28	16.73	2.00	0.00	1.00	0.00	13.29	16.73	2.00	0.00	1.00	0.00
13.30	16.72	2.00	0.00	1.00	0.00	13.31	16.62	2.00	0.00	1.00	0.00
13.32	16.62	2.00	0.00	1.00	0.00	13.33	16.61	2.00	0.00	1.00	0.00
13.34	16.52	2.00	0.00	1.00	0.00	13.35	16.42	2.00	0.00	1.00	0.00
13.36	16.42	2.00	0.00	1.00	0.00	13.37	16.23	2.00	0.00	1.00	0.00
13.38	16.14	2.00	0.00	1.00	0.00	13.39	16.04	2.00	0.00	1.00	0.00
13.40	15.86	2.00	0.00	1.00	0.00	13.41	15.68	2.00	0.00	1.00	0.00
13.42	15.50	2.00	0.00	1.00	0.00	13.43	15.40	2.00	0.00	1.00	0.00
13.44	15.31	2.00	0.00	1.00	0.00	13.45	15.04	2.00	0.00	1.00	0.00
13.46	15.03	2.00	0.00	1.00	0.00	13.47	15.20	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
13.48	15.37	2.00	0.00	1.00	0.00	13.49	15.37	2.00	0.00	1.00	0.00
13.50	15.45	2.00	0.00	1.00	0.00	13.51	15.71	2.00	0.00	1.00	0.00
13.52	15.70	2.00	0.00	1.00	0.00	13.53	15.70	2.00	0.00	1.00	0.00
13.54	15.78	2.00	0.00	1.00	0.00	13.55	15.86	2.00	0.00	1.00	0.00
13.56	16.03	2.00	0.00	1.00	0.00	13.57	16.11	2.00	0.00	1.00	0.00
13.58	16.11	2.00	0.00	1.00	0.00	13.59	16.36	2.00	0.00	1.00	0.00
13.60	16.53	2.00	0.00	1.00	0.00	13.61	16.79	2.00	0.00	1.00	0.00
13.62	16.78	2.00	0.00	1.00	0.00	13.63	16.69	2.00	0.00	1.00	0.00
13.64	17.03	2.00	0.00	1.00	0.00	13.65	17.20	2.00	0.00	1.00	0.00
13.66	17.20	2.00	0.00	1.00	0.00	13.67	17.19	2.00	0.00	1.00	0.00
13.68	17.18	2.00	0.00	1.00	0.00	13.69	17.35	2.00	0.00	1.00	0.00
13.70	17.35	2.00	0.00	1.00	0.00	13.71	17.43	2.00	0.00	1.00	0.00
13.72	17.42	2.00	0.00	1.00	0.00	13.73	17.33	2.00	0.00	1.00	0.00
13.74	17.23	2.00	0.00	1.00	0.00	13.75	17.14	2.00	0.00	1.00	0.00
13.76	16.96	2.00	0.00	1.00	0.00	13.77	16.95	2.00	0.00	1.00	0.00
13.78	17.38	2.00	0.00	1.00	0.00	13.79	17.90	2.00	0.00	1.00	0.00
13.80	18.50	2.00	0.00	1.00	0.00	13.81	19.02	2.00	0.00	1.00	0.00
13.82	19.89	2.00	0.00	1.00	0.00	13.83	19.79	2.00	0.00	1.00	0.00
13.84	20.31	2.00	0.00	1.00	0.00	13.85	20.48	2.00	0.00	1.00	0.00
13.86	20.73	2.00	0.00	1.00	0.00	13.87	21.68	2.00	0.00	1.00	0.00
13.88	21.59	2.00	0.00	1.00	0.00	13.89	21.58	2.00	0.00	1.00	0.00
13.90	21.57	2.00	0.00	1.00	0.00	13.91	21.56	2.00	0.00	1.00	0.00
13.92	23.66	2.00	0.00	1.00	0.00	13.93	25.58	2.00	0.00	1.00	0.00
13.94	26.87	2.00	0.00	1.00	0.00	13.95	32.77	2.00	0.00	1.00	0.00
13.96	38.71	2.00	0.00	1.00	0.00	13.97	100.87	0.37	3.18	1.00	0.03
13.98	43.41	2.00	0.00	1.00	0.00	13.99	40.17	2.00	0.00	1.00	0.00
14.00	41.53	2.00	0.00	1.00	0.00	14.01	33.08	2.00	0.00	1.00	0.00
14.02	25.94	2.00	0.00	1.00	0.00	14.03	24.35	2.00	0.00	1.00	0.00
14.04	23.03	2.00	0.00	1.00	0.00	14.05	22.23	2.00	0.00	1.00	0.00
14.06	21.53	2.00	0.00	1.00	0.00	14.07	21.08	2.00	0.00	1.00	0.00
14.08	20.81	2.00	0.00	1.00	0.00	14.09	19.76	2.00	0.00	1.00	0.00
14.10	19.32	2.00	0.00	1.00	0.00	14.11	18.71	2.00	0.00	1.00	0.00
14.12	18.53	2.00	0.00	1.00	0.00	14.13	18.35	2.00	0.00	1.00	0.00
14.14	18.34	2.00	0.00	1.00	0.00	14.15	18.16	2.00	0.00	1.00	0.00
14.16	18.15	2.00	0.00	1.00	0.00	14.17	18.23	2.00	0.00	1.00	0.00
14.18	18.31	2.00	0.00	1.00	0.00	14.19	18.39	2.00	0.00	1.00	0.00
14.20	18.55	2.00	0.00	1.00	0.00	14.21	18.81	2.00	0.00	1.00	0.00
14.22	18.88	2.00	0.00	1.00	0.00	14.23	18.62	2.00	0.00	1.00	0.00
14.24	18.44	2.00	0.00	1.00	0.00	14.25	18.35	2.00	0.00	1.00	0.00
14.26	17.91	2.00	0.00	1.00	0.00	14.27	17.82	2.00	0.00	1.00	0.00
14.28	17.90	2.00	0.00	1.00	0.00	14.29	18.15	2.00	0.00	1.00	0.00
14.30	18.23	2.00	0.00	1.00	0.00	14.31	18.48	2.00	0.00	1.00	0.00
14.32	18.56	2.00	0.00	1.00	0.00	14.33	19.07	2.00	0.00	1.00	0.00
14.34	19.23	2.00	0.00	1.00	0.00	14.35	19.65	2.00	0.00	1.00	0.00
14.36	20.33	2.00	0.00	1.00	0.00	14.37	20.41	2.00	0.00	1.00	0.00
14.38	20.58	2.00	0.00	1.00	0.00	14.39	20.31	2.00	0.00	1.00	0.00
14.40	19.87	2.00	0.00	1.00	0.00	14.41	19.95	2.00	0.00	1.00	0.00
14.42	19.43	2.00	0.00	1.00	0.00	14.43	19.25	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
14.44	18.90	2.00	0.00	1.00	0.00	14.45	18.21	2.00	0.00	1.00	0.00
14.46	17.95	2.00	0.00	1.00	0.00	14.47	17.77	2.00	0.00	1.00	0.00
14.48	17.76	2.00	0.00	1.00	0.00	14.49	17.50	2.00	0.00	1.00	0.00
14.50	17.41	2.00	0.00	1.00	0.00	14.51	17.40	2.00	0.00	1.00	0.00
14.52	17.65	2.00	0.00	1.00	0.00	14.53	17.73	2.00	0.00	1.00	0.00
14.54	18.07	2.00	0.00	1.00	0.00	14.55	18.06	2.00	0.00	1.00	0.00
14.56	17.97	2.00	0.00	1.00	0.00	14.57	18.05	2.00	0.00	1.00	0.00
14.58	18.12	2.00	0.00	1.00	0.00	14.59	18.03	2.00	0.00	1.00	0.00
14.60	17.94	2.00	0.00	1.00	0.00	14.61	17.93	2.00	0.00	1.00	0.00
14.62	17.93	2.00	0.00	1.00	0.00	14.63	18.01	2.00	0.00	1.00	0.00
14.64	18.00	2.00	0.00	1.00	0.00	14.65	17.99	2.00	0.00	1.00	0.00
14.66	17.90	2.00	0.00	1.00	0.00	14.67	17.90	2.00	0.00	1.00	0.00
14.68	17.64	2.00	0.00	1.00	0.00	14.69	17.38	2.00	0.00	1.00	0.00
14.70	17.20	2.00	0.00	1.00	0.00	14.71	16.69	2.00	0.00	1.00	0.00
14.72	16.60	2.00	0.00	1.00	0.00	14.73	16.50	2.00	0.00	1.00	0.00
14.74	16.50	2.00	0.00	1.00	0.00	14.75	16.41	2.00	0.00	1.00	0.00
14.76	16.40	2.00	0.00	1.00	0.00	14.77	16.40	2.00	0.00	1.00	0.00
14.78	16.22	2.00	0.00	1.00	0.00	14.79	16.05	2.00	0.00	1.00	0.00
14.80	15.71	2.00	0.00	1.00	0.00	14.81	15.53	2.00	0.00	1.00	0.00
14.82	15.36	2.00	0.00	1.00	0.00	14.83	15.27	2.00	0.00	1.00	0.00
14.84	15.09	2.00	0.00	1.00	0.00	14.85	15.26	2.00	0.00	1.00	0.00
14.86	15.25	2.00	0.00	1.00	0.00	14.87	15.33	2.00	0.00	1.00	0.00
14.88	15.49	2.00	0.00	1.00	0.00	14.89	15.74	2.00	0.00	1.00	0.00
14.90	15.73	2.00	0.00	1.00	0.00	14.91	15.73	2.00	0.00	1.00	0.00
14.92	16.39	2.00	0.00	1.00	0.00	14.93	16.64	2.00	0.00	1.00	0.00
14.94	16.72	2.00	0.00	1.00	0.00	14.95	16.71	2.00	0.00	1.00	0.00
14.96	16.79	2.00	0.00	1.00	0.00	14.97	16.79	2.00	0.00	1.00	0.00
14.98	16.86	2.00	0.00	1.00	0.00	14.99	16.86	2.00	0.00	1.00	0.00
15.00	16.94	2.00	0.00	1.00	0.00	15.01	17.10	2.00	0.00	1.00	0.00
15.02	17.18	2.00	0.00	1.00	0.00	15.03	17.42	2.00	0.00	1.00	0.00
15.04	17.58	2.00	0.00	1.00	0.00	15.05	17.58	2.00	0.00	1.00	0.00
15.06	17.49	2.00	0.00	1.00	0.00	15.07	17.40	2.00	0.00	1.00	0.00
15.08	17.22	2.00	0.00	1.00	0.00	15.09	17.05	2.00	0.00	1.00	0.00
15.10	16.88	2.00	0.00	1.00	0.00	15.11	16.96	2.00	0.00	1.00	0.00
15.12	16.87	2.00	0.00	1.00	0.00	15.13	16.78	2.00	0.00	1.00	0.00
15.14	16.61	2.00	0.00	1.00	0.00	15.15	16.60	2.00	0.00	1.00	0.00
15.16	16.68	2.00	0.00	1.00	0.00	15.17	16.84	2.00	0.00	1.00	0.00
15.18	16.92	2.00	0.00	1.00	0.00	15.19	16.91	2.00	0.00	1.00	0.00
15.20	16.82	2.00	0.00	1.00	0.00						

**Total estimated settlement: 16.08**

**Abbreviations**

- Q<sub>tn,cs</sub>: Equivalent clean sand normalized cone resistance
- FS: Factor of safety against liquefaction
- e<sub>v</sub> (%): Post-liquefaction volumetric strain
- DF: e<sub>v</sub> depth weighting factor
- Settlement: Calculated settlement

**LIQUEFACTION ANALYSIS REPORT**

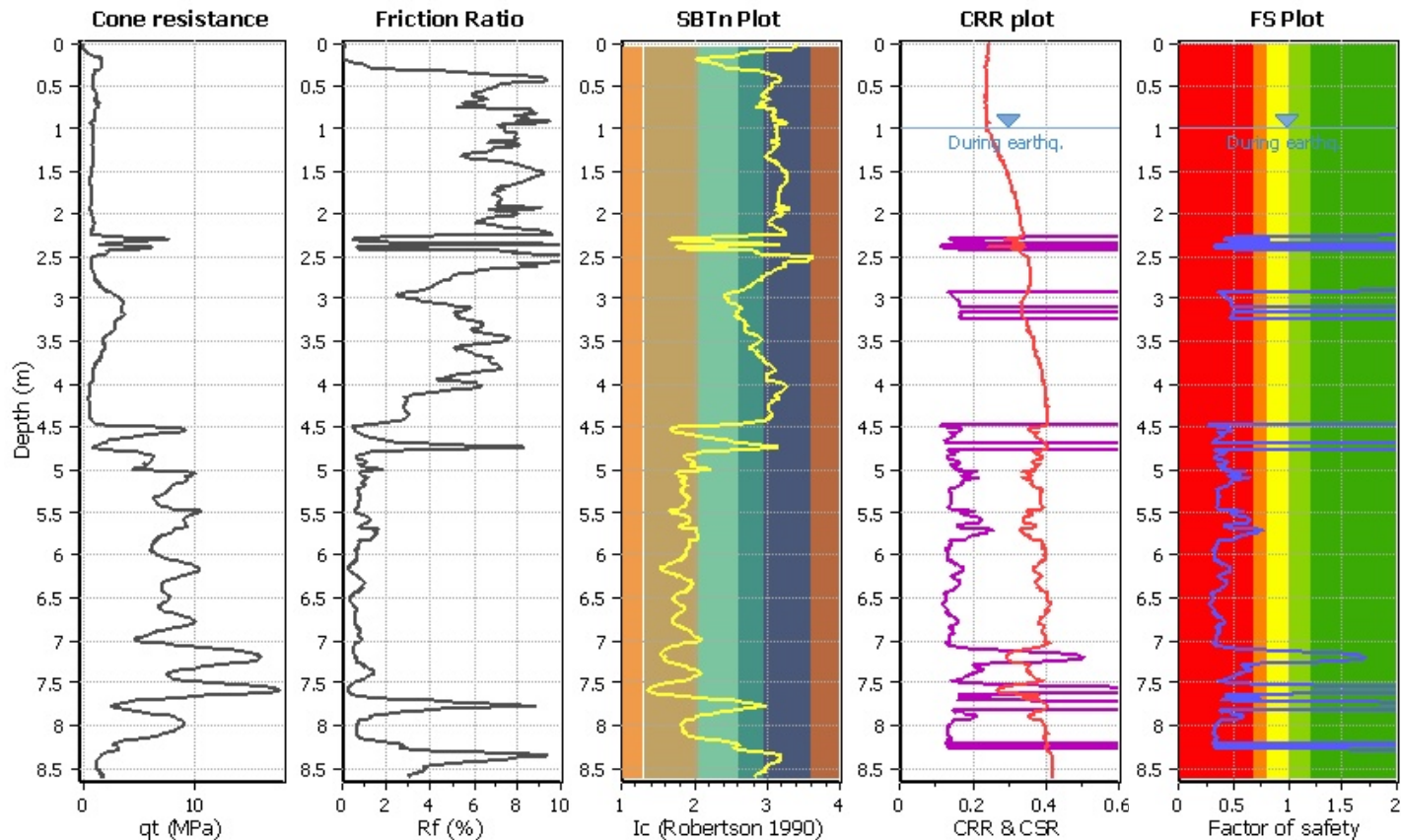
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

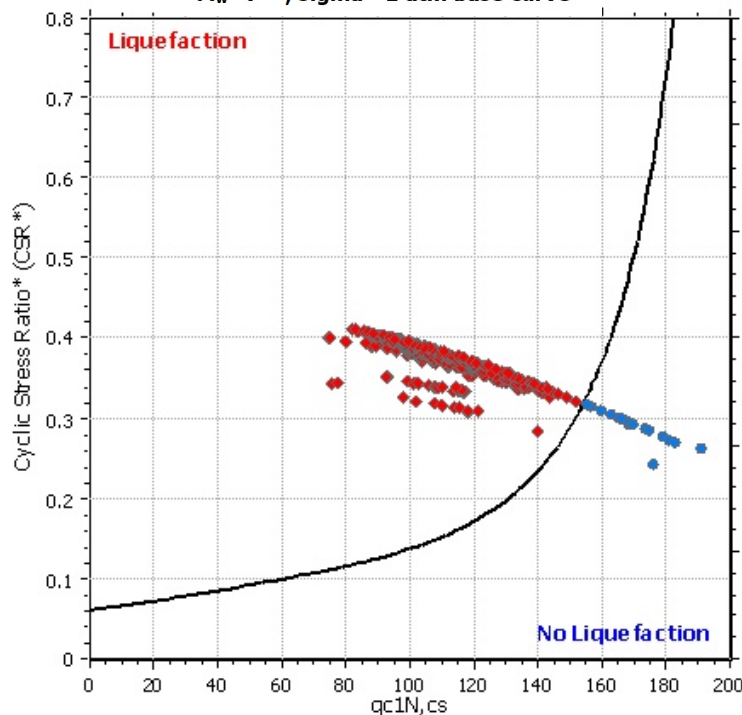
**CPT file : CPTU-15-2019**

**Input parameters and analysis data**

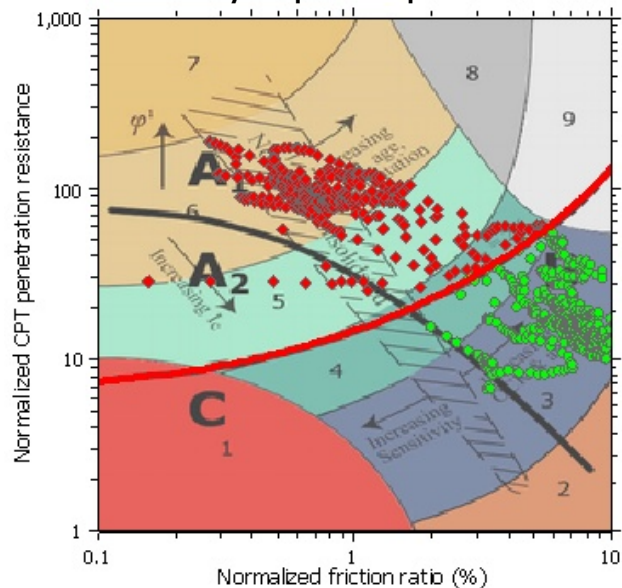
Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



$M_w=7^{1/2}$ ,  $\sigma_v=1$  atm base curve

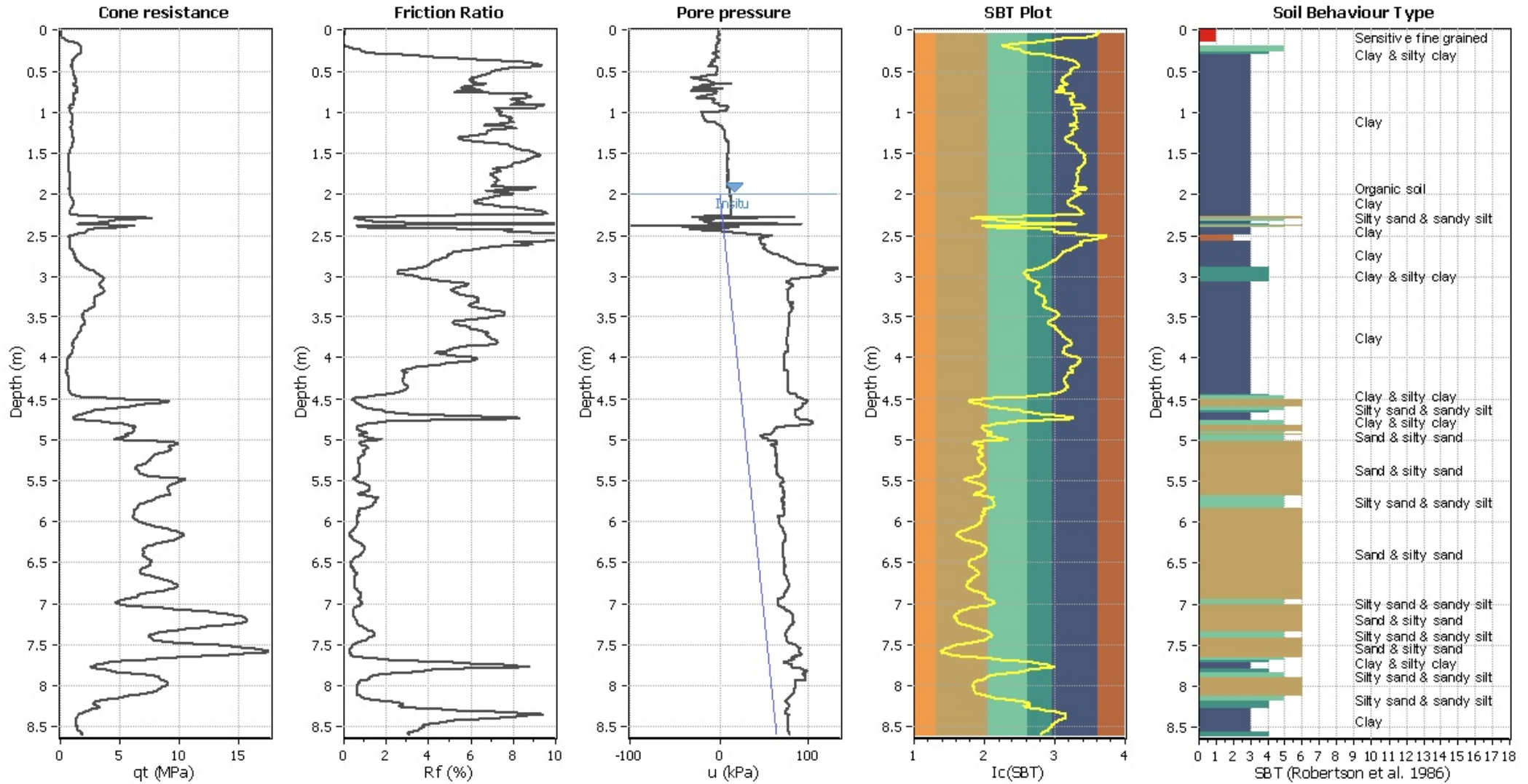


**Summary of liquefaction potential**



Zone A<sub>1</sub>: Cyclic liquefaction likely depending on size and duration of cyclic loading  
 Zone A<sub>2</sub>: Cyclic liquefaction and strength loss likely depending on loading and ground geometry  
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening  
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

### CPT basic interpretation plo



#### Input parameters and analysis data

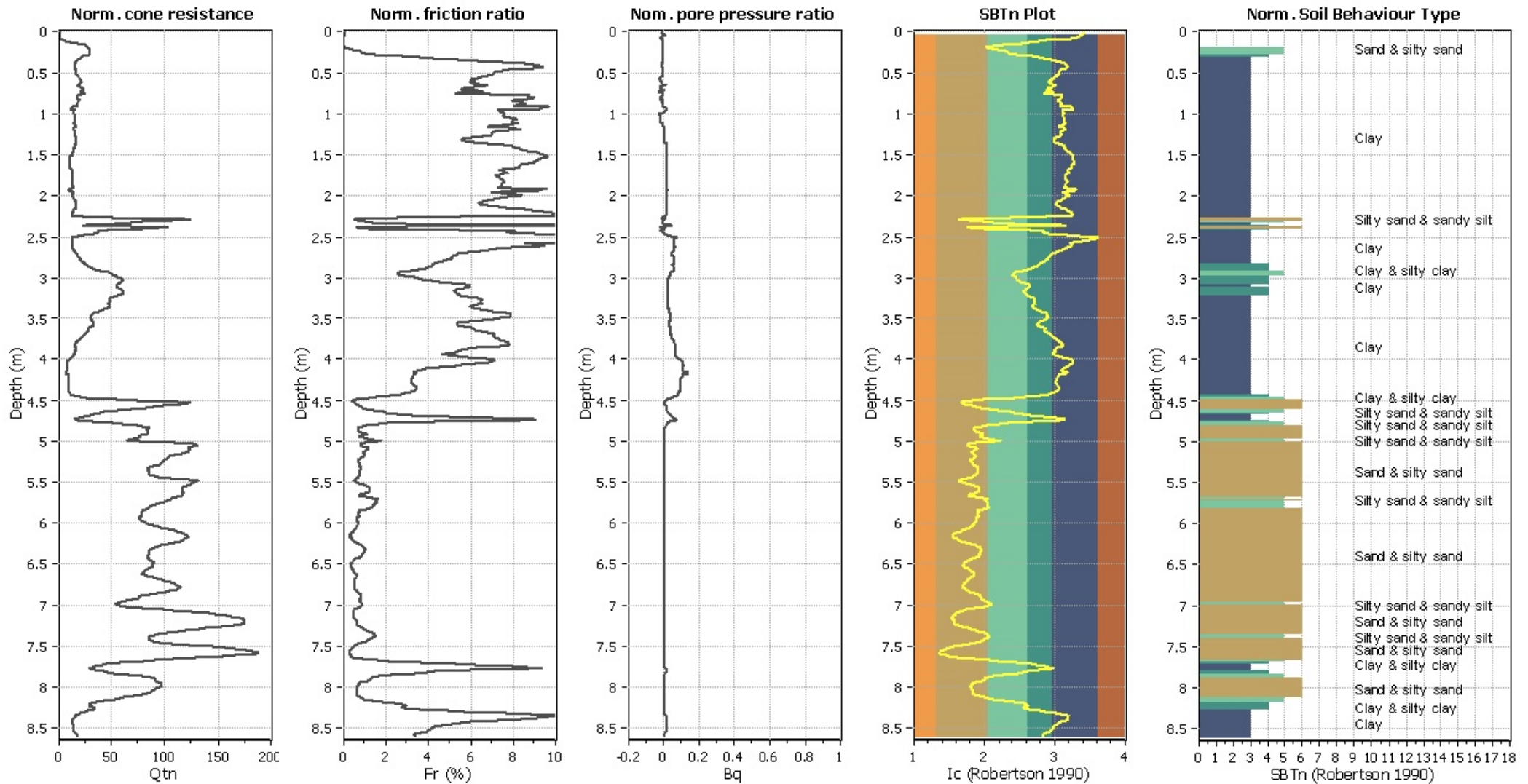
Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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



### CPT basic interpretation plots (normaliz



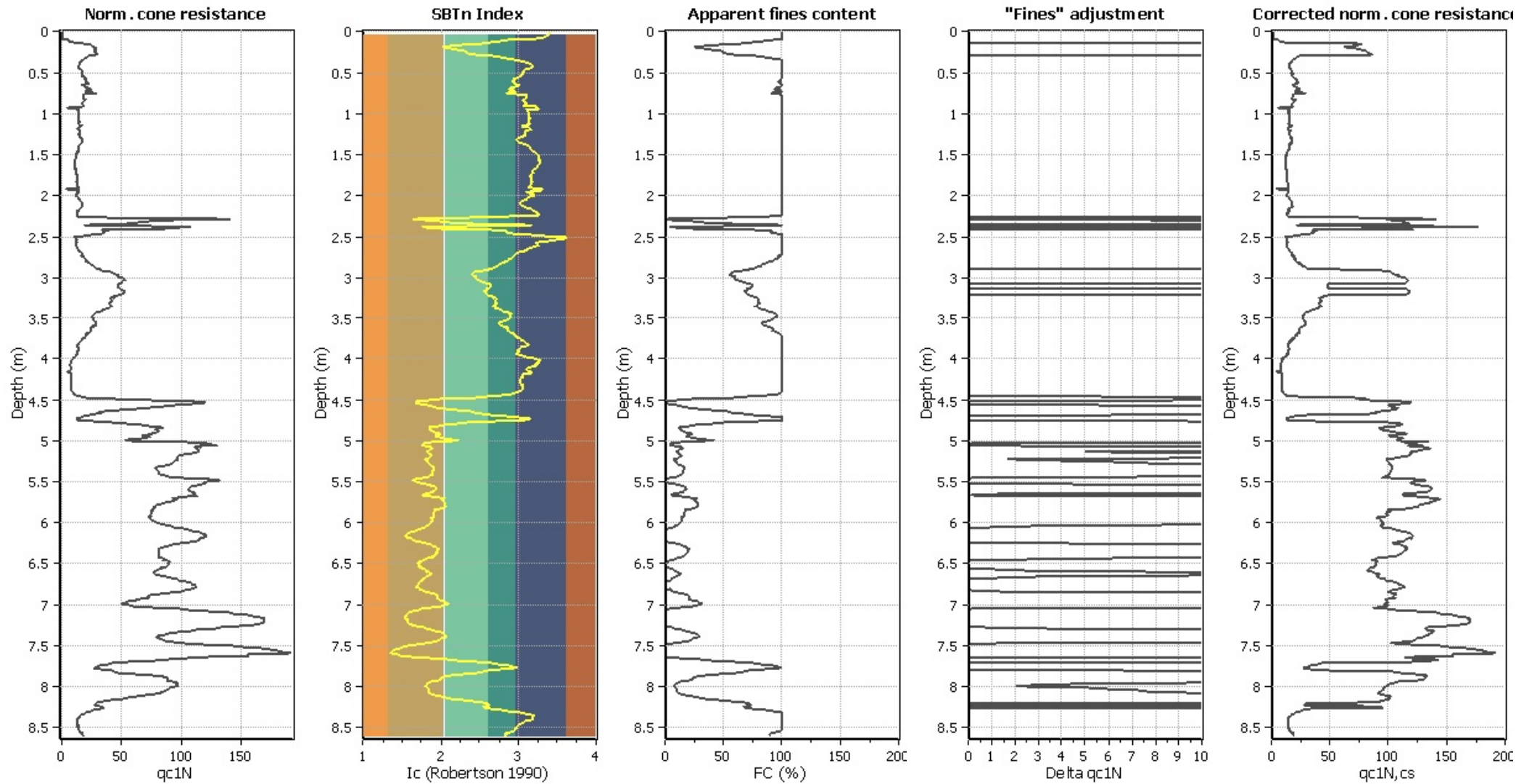
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

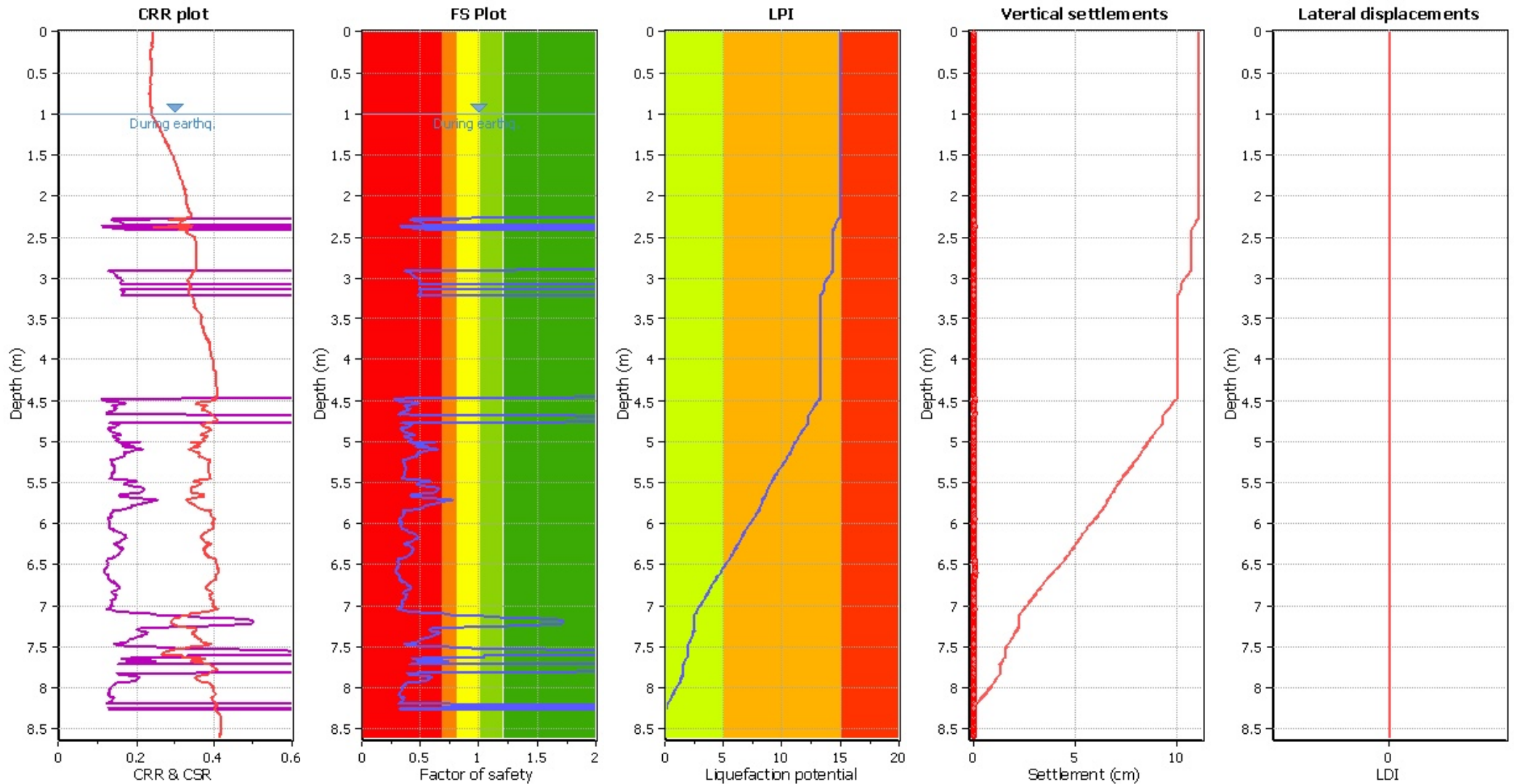
### Liquefaction analysis overall plots (intermediate resu



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

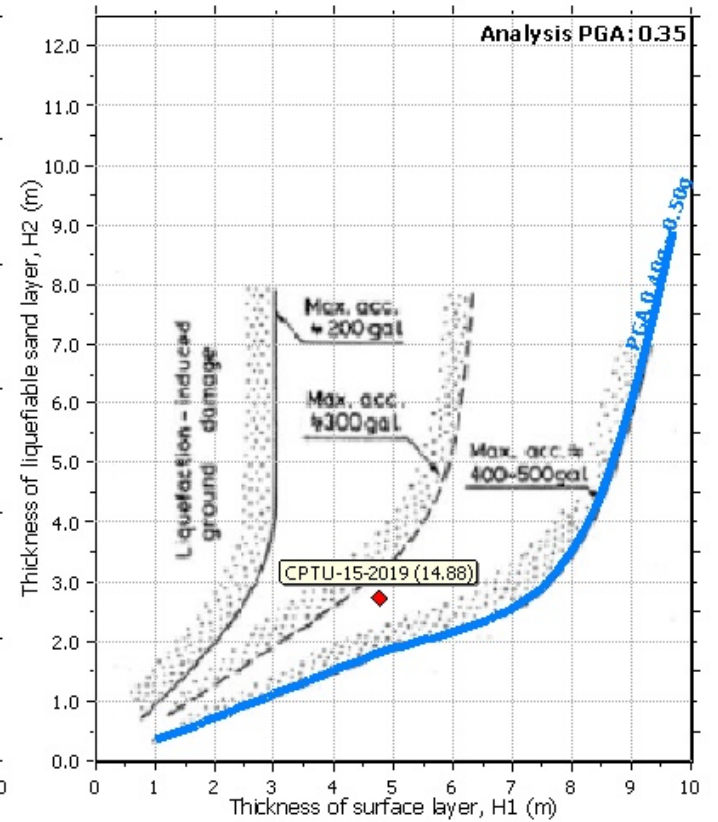
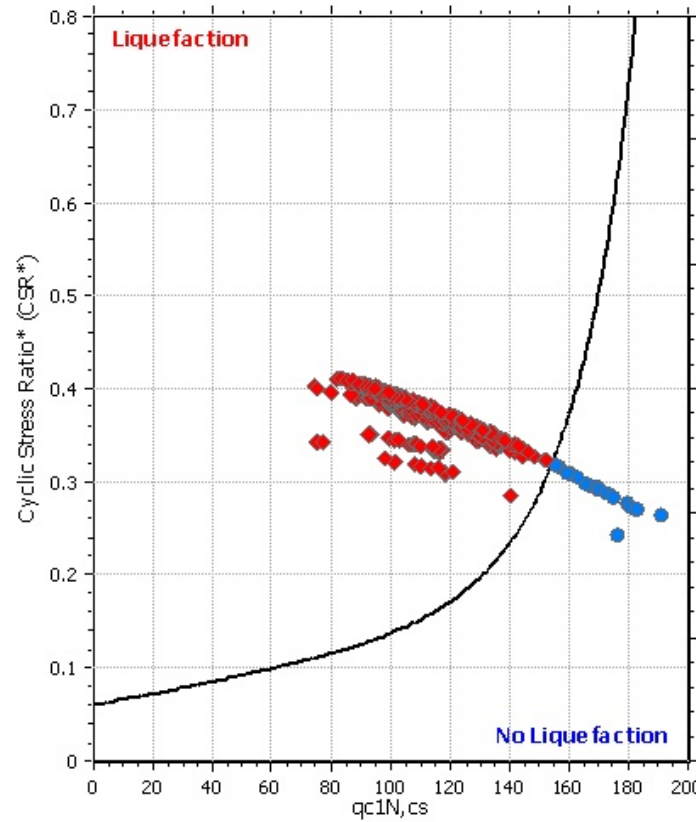
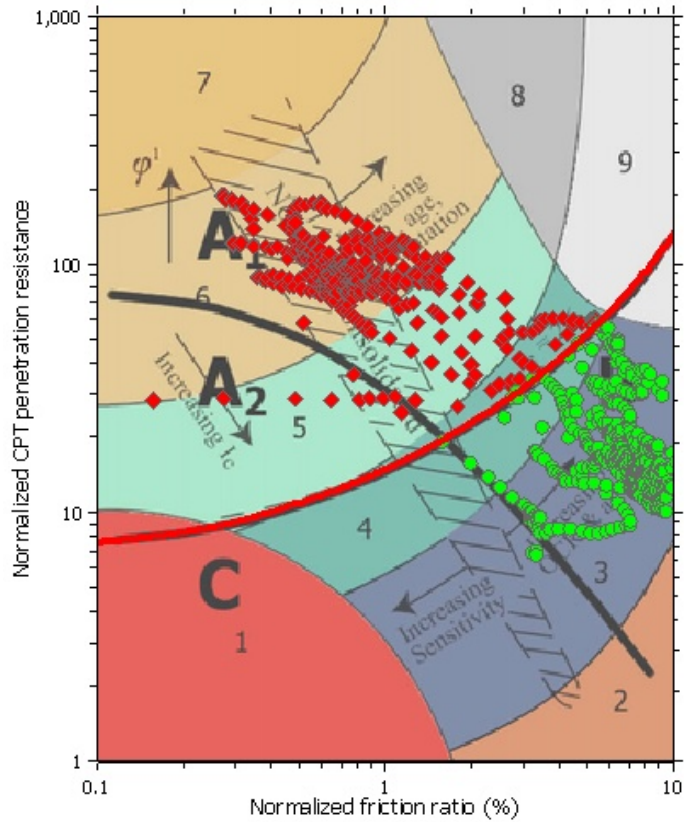
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

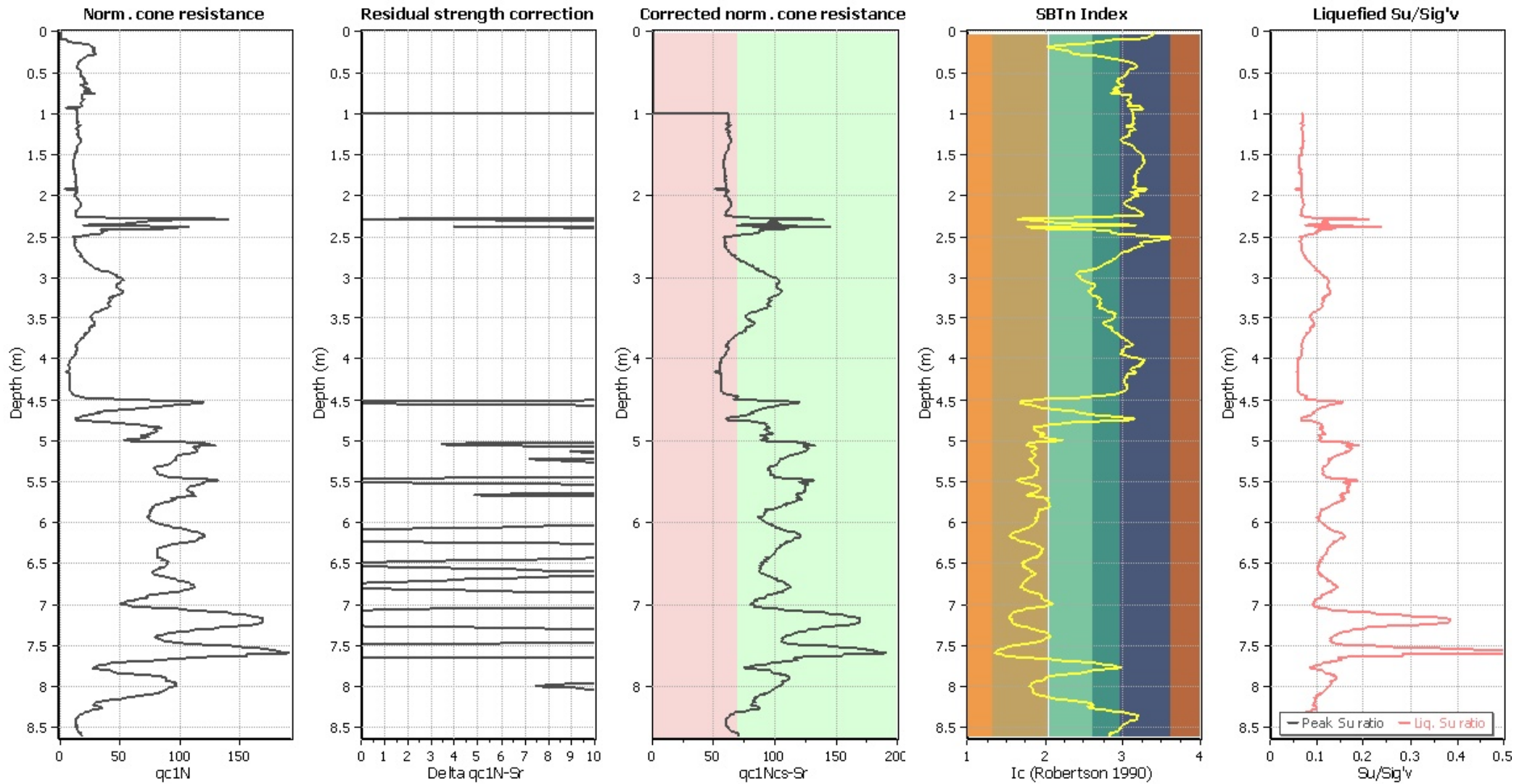
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_G$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on $I_c$ value	$I_c$ cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	2.00	0.00	9.09	0.01	0.00	1.84	2.00	0.00	9.08	0.01	0.00
1.85	2.00	0.00	9.07	0.01	0.00	1.86	2.00	0.00	9.07	0.01	0.00
1.87	2.00	0.00	9.07	0.01	0.00	1.88	2.00	0.00	9.06	0.01	0.00
1.89	2.00	0.00	9.06	0.01	0.00	1.90	2.00	0.00	9.05	0.01	0.00
1.91	2.00	0.00	9.05	0.01	0.00	1.92	2.00	0.00	9.04	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	2.00	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.97	0.01	0.00	2.08	2.00	0.00	8.96	0.01	0.00
2.09	2.00	0.00	8.96	0.01	0.00	2.10	2.00	0.00	8.95	0.01	0.00
2.11	2.00	0.00	8.95	0.01	0.00	2.12	2.00	0.00	8.94	0.01	0.00
2.13	2.00	0.00	8.94	0.01	0.00	2.14	2.00	0.00	8.93	0.01	0.00
2.15	2.00	0.00	8.93	0.01	0.00	2.16	2.00	0.00	8.92	0.01	0.00
2.17	2.00	0.00	8.91	0.01	0.00	2.18	2.00	0.00	8.91	0.01	0.00
2.19	2.00	0.00	8.91	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.90	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.89	0.01	0.00	2.24	2.00	0.00	8.88	0.01	0.00
2.25	2.00	0.00	8.88	0.01	0.00	2.26	2.00	0.00	8.87	0.01	0.00
2.27	0.43	0.57	8.87	0.01	0.05	2.28	0.54	0.46	8.86	0.01	0.04
2.29	0.83	0.17	8.86	0.01	0.02	2.30	0.41	0.59	8.85	0.01	0.05
2.31	0.47	0.53	8.85	0.01	0.05	2.32	0.48	0.52	8.84	0.01	0.05
2.33	0.51	0.49	8.84	0.01	0.04	2.34	0.54	0.46	8.83	0.01	0.04
2.35	2.00	0.00	8.82	0.01	0.00	2.36	2.00	0.00	8.82	0.01	0.00
2.37	0.33	0.67	8.82	0.01	0.06	2.38	2.00	0.00	8.81	0.01	0.00
2.39	0.33	0.67	8.81	0.01	0.06	2.40	0.52	0.48	8.80	0.01	0.04
2.41	0.56	0.44	8.80	0.01	0.04	2.42	2.00	0.00	8.79	0.01	0.00
2.43	2.00	0.00	8.79	0.01	0.00	2.44	2.00	0.00	8.78	0.01	0.00
2.45	2.00	0.00	8.78	0.01	0.00	2.46	2.00	0.00	8.77	0.01	0.00
2.47	2.00	0.00	8.77	0.01	0.00	2.48	2.00	0.00	8.76	0.01	0.00
2.49	2.00	0.00	8.76	0.01	0.00	2.50	2.00	0.00	8.75	0.01	0.00
2.51	2.00	0.00	8.74	0.01	0.00	2.52	2.00	0.00	8.74	0.01	0.00
2.53	2.00	0.00	8.74	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.73	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.72	0.01	0.00	2.58	2.00	0.00	8.71	0.01	0.00
2.59	2.00	0.00	8.71	0.01	0.00	2.60	2.00	0.00	8.70	0.01	0.00
2.61	2.00	0.00	8.70	0.01	0.00	2.62	2.00	0.00	8.69	0.01	0.00
2.63	2.00	0.00	8.69	0.01	0.00	2.64	2.00	0.00	8.68	0.01	0.00
2.65	2.00	0.00	8.68	0.01	0.00	2.66	2.00	0.00	8.67	0.01	0.00
2.67	2.00	0.00	8.66	0.01	0.00	2.68	2.00	0.00	8.66	0.01	0.00
2.69	2.00	0.00	8.66	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.65	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.64	0.01	0.00	2.74	2.00	0.00	8.63	0.01	0.00
2.75	2.00	0.00	8.63	0.01	0.00	2.76	2.00	0.00	8.62	0.01	0.00
2.77	2.00	0.00	8.62	0.01	0.00	2.78	2.00	0.00	8.61	0.01	0.00
2.79	2.00	0.00	8.61	0.01	0.00	2.80	2.00	0.00	8.60	0.01	0.00
2.81	2.00	0.00	8.60	0.01	0.00	2.82	2.00	0.00	8.59	0.01	0.00
2.83	2.00	0.00	8.59	0.01	0.00	2.84	2.00	0.00	8.58	0.01	0.00
2.85	2.00	0.00	8.57	0.01	0.00	2.86	2.00	0.00	8.57	0.01	0.00
2.87	2.00	0.00	8.57	0.01	0.00	2.88	2.00	0.00	8.56	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	2.00	0.00	8.56	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	0.37	0.63	8.55	0.01	0.05	2.92	0.37	0.63	8.54	0.01	0.05
2.93	0.40	0.60	8.54	0.01	0.05	2.94	0.40	0.60	8.53	0.01	0.05
2.95	0.41	0.59	8.53	0.01	0.05	2.96	0.43	0.57	8.52	0.01	0.05
2.97	0.44	0.56	8.52	0.01	0.05	2.98	0.44	0.56	8.51	0.01	0.05
2.99	0.44	0.56	8.51	0.01	0.05	3.00	0.45	0.55	8.50	0.01	0.05
3.01	0.48	0.52	8.49	0.01	0.04	3.02	0.49	0.51	8.49	0.01	0.04
3.03	0.49	0.51	8.49	0.01	0.04	3.04	0.49	0.51	8.48	0.01	0.04
3.05	0.48	0.52	8.48	0.01	0.04	3.06	0.48	0.52	8.47	0.01	0.04
3.07	0.48	0.52	8.47	0.01	0.04	3.08	2.00	0.00	8.46	0.01	0.00
3.09	2.00	0.00	8.46	0.01	0.00	3.10	2.00	0.00	8.45	0.01	0.00
3.11	2.00	0.00	8.45	0.01	0.00	3.12	2.00	0.00	8.44	0.01	0.00
3.13	2.00	0.00	8.44	0.01	0.00	3.14	2.00	0.00	8.43	0.01	0.00
3.15	0.48	0.52	8.43	0.01	0.04	3.16	0.50	0.50	8.42	0.01	0.04
3.17	0.50	0.50	8.41	0.01	0.04	3.18	0.50	0.50	8.41	0.01	0.04
3.19	0.49	0.51	8.41	0.01	0.04	3.20	0.49	0.51	8.40	0.01	0.04
3.21	0.47	0.53	8.40	0.01	0.04	3.22	2.00	0.00	8.39	0.01	0.00
3.23	2.00	0.00	8.39	0.01	0.00	3.24	2.00	0.00	8.38	0.01	0.00
3.25	2.00	0.00	8.38	0.01	0.00	3.26	2.00	0.00	8.37	0.01	0.00
3.27	2.00	0.00	8.37	0.01	0.00	3.28	2.00	0.00	8.36	0.01	0.00
3.29	2.00	0.00	8.36	0.01	0.00	3.30	2.00	0.00	8.35	0.01	0.00
3.31	2.00	0.00	8.35	0.01	0.00	3.32	2.00	0.00	8.34	0.01	0.00
3.33	2.00	0.00	8.34	0.01	0.00	3.34	2.00	0.00	8.33	0.01	0.00
3.35	2.00	0.00	8.32	0.01	0.00	3.36	2.00	0.00	8.32	0.01	0.00
3.37	2.00	0.00	8.32	0.01	0.00	3.38	2.00	0.00	8.31	0.01	0.00
3.39	2.00	0.00	8.31	0.01	0.00	3.40	2.00	0.00	8.30	0.01	0.00
3.41	2.00	0.00	8.30	0.01	0.00	3.42	2.00	0.00	8.29	0.01	0.00
3.43	2.00	0.00	8.29	0.01	0.00	3.44	2.00	0.00	8.28	0.01	0.00
3.45	2.00	0.00	8.28	0.01	0.00	3.46	2.00	0.00	8.27	0.01	0.00
3.47	2.00	0.00	8.27	0.01	0.00	3.48	2.00	0.00	8.26	0.01	0.00
3.49	2.00	0.00	8.26	0.01	0.00	3.50	2.00	0.00	8.25	0.01	0.00
3.51	2.00	0.00	8.24	0.01	0.00	3.52	2.00	0.00	8.24	0.01	0.00
3.53	2.00	0.00	8.24	0.01	0.00	3.54	2.00	0.00	8.23	0.01	0.00
3.55	2.00	0.00	8.23	0.01	0.00	3.56	2.00	0.00	8.22	0.01	0.00
3.57	2.00	0.00	8.22	0.01	0.00	3.58	2.00	0.00	8.21	0.01	0.00
3.59	2.00	0.00	8.21	0.01	0.00	3.60	2.00	0.00	8.20	0.01	0.00
3.61	2.00	0.00	8.20	0.01	0.00	3.62	2.00	0.00	8.19	0.01	0.00
3.63	2.00	0.00	8.19	0.01	0.00	3.64	2.00	0.00	8.18	0.01	0.00
3.65	2.00	0.00	8.18	0.01	0.00	3.66	2.00	0.00	8.17	0.01	0.00
3.67	2.00	0.00	8.16	0.01	0.00	3.68	2.00	0.00	8.16	0.01	0.00
3.69	2.00	0.00	8.16	0.01	0.00	3.70	2.00	0.00	8.15	0.01	0.00
3.71	2.00	0.00	8.15	0.01	0.00	3.72	2.00	0.00	8.14	0.01	0.00
3.73	2.00	0.00	8.14	0.01	0.00	3.74	2.00	0.00	8.13	0.01	0.00
3.75	2.00	0.00	8.13	0.01	0.00	3.76	2.00	0.00	8.12	0.01	0.00
3.77	2.00	0.00	8.12	0.01	0.00	3.78	2.00	0.00	8.11	0.01	0.00
3.79	2.00	0.00	8.11	0.01	0.00	3.80	2.00	0.00	8.10	0.01	0.00
3.81	2.00	0.00	8.10	0.01	0.00	3.82	2.00	0.00	8.09	0.01	0.00
3.83	2.00	0.00	8.09	0.01	0.00	3.84	2.00	0.00	8.08	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	2.00	0.00	8.07	0.01	0.00	3.86	2.00	0.00	8.07	0.01	0.00
3.87	2.00	0.00	8.07	0.01	0.00	3.88	2.00	0.00	8.06	0.01	0.00
3.89	2.00	0.00	8.06	0.01	0.00	3.90	2.00	0.00	8.05	0.01	0.00
3.91	2.00	0.00	8.05	0.01	0.00	3.92	2.00	0.00	8.04	0.01	0.00
3.93	2.00	0.00	8.04	0.01	0.00	3.94	2.00	0.00	8.03	0.01	0.00
3.95	2.00	0.00	8.03	0.01	0.00	3.96	2.00	0.00	8.02	0.01	0.00
3.97	2.00	0.00	8.02	0.01	0.00	3.98	2.00	0.00	8.01	0.01	0.00
3.99	2.00	0.00	8.01	0.01	0.00	4.00	2.00	0.00	8.00	0.01	0.00
4.01	2.00	0.00	8.00	0.01	0.00	4.02	2.00	0.00	7.99	0.01	0.00
4.03	2.00	0.00	7.99	0.01	0.00	4.04	2.00	0.00	7.98	0.01	0.00
4.05	2.00	0.00	7.98	0.01	0.00	4.06	2.00	0.00	7.97	0.01	0.00
4.07	2.00	0.00	7.97	0.01	0.00	4.08	2.00	0.00	7.96	0.01	0.00
4.09	2.00	0.00	7.96	0.01	0.00	4.10	2.00	0.00	7.95	0.01	0.00
4.11	2.00	0.00	7.95	0.01	0.00	4.12	2.00	0.00	7.94	0.01	0.00
4.13	2.00	0.00	7.94	0.01	0.00	4.14	2.00	0.00	7.93	0.01	0.00
4.15	2.00	0.00	7.93	0.01	0.00	4.16	2.00	0.00	7.92	0.01	0.00
4.17	2.00	0.00	7.92	0.01	0.00	4.18	2.00	0.00	7.91	0.01	0.00
4.19	2.00	0.00	7.91	0.01	0.00	4.20	2.00	0.00	7.90	0.01	0.00
4.21	2.00	0.00	7.90	0.01	0.00	4.22	2.00	0.00	7.89	0.01	0.00
4.23	2.00	0.00	7.89	0.01	0.00	4.24	2.00	0.00	7.88	0.01	0.00
4.25	2.00	0.00	7.88	0.01	0.00	4.26	2.00	0.00	7.87	0.01	0.00
4.27	2.00	0.00	7.87	0.01	0.00	4.28	2.00	0.00	7.86	0.01	0.00
4.29	2.00	0.00	7.86	0.01	0.00	4.30	2.00	0.00	7.85	0.01	0.00
4.31	2.00	0.00	7.85	0.01	0.00	4.32	2.00	0.00	7.84	0.01	0.00
4.33	2.00	0.00	7.84	0.01	0.00	4.34	2.00	0.00	7.83	0.01	0.00
4.35	2.00	0.00	7.83	0.01	0.00	4.36	2.00	0.00	7.82	0.01	0.00
4.37	2.00	0.00	7.82	0.01	0.00	4.38	2.00	0.00	7.81	0.01	0.00
4.39	2.00	0.00	7.81	0.01	0.00	4.40	2.00	0.00	7.80	0.01	0.00
4.41	2.00	0.00	7.80	0.01	0.00	4.42	2.00	0.00	7.79	0.01	0.00
4.43	2.00	0.00	7.79	0.01	0.00	4.44	2.00	0.00	7.78	0.01	0.00
4.45	2.00	0.00	7.78	0.01	0.00	4.46	2.00	0.00	7.77	0.01	0.00
4.47	0.28	0.72	7.77	0.01	0.06	4.48	0.29	0.71	7.76	0.01	0.05
4.49	0.28	0.72	7.76	0.01	0.06	4.50	0.32	0.68	7.75	0.01	0.05
4.51	0.38	0.62	7.75	0.01	0.05	4.52	0.48	0.52	7.74	0.01	0.04
4.53	0.48	0.52	7.74	0.01	0.04	4.54	0.47	0.53	7.73	0.01	0.04
4.55	0.43	0.57	7.73	0.01	0.04	4.56	0.39	0.61	7.72	0.01	0.05
4.57	0.36	0.64	7.72	0.01	0.05	4.58	0.39	0.61	7.71	0.01	0.05
4.59	0.38	0.62	7.71	0.01	0.05	4.60	0.41	0.59	7.70	0.01	0.05
4.61	0.40	0.60	7.70	0.01	0.05	4.62	0.38	0.62	7.69	0.01	0.05
4.63	0.36	0.64	7.69	0.01	0.05	4.64	0.34	0.66	7.68	0.01	0.05
4.65	0.32	0.68	7.68	0.01	0.05	4.66	0.32	0.68	7.67	0.01	0.05
4.67	0.31	0.69	7.67	0.01	0.05	4.68	2.00	0.00	7.66	0.01	0.00
4.69	2.00	0.00	7.66	0.01	0.00	4.70	2.00	0.00	7.65	0.01	0.00
4.71	2.00	0.00	7.65	0.01	0.00	4.72	2.00	0.00	7.64	0.01	0.00
4.73	2.00	0.00	7.64	0.01	0.00	4.74	2.00	0.00	7.63	0.01	0.00
4.75	2.00	0.00	7.63	0.01	0.00	4.76	2.00	0.00	7.62	0.01	0.00
4.77	0.33	0.67	7.62	0.01	0.05	4.78	0.36	0.64	7.61	0.01	0.05
4.79	0.42	0.58	7.61	0.01	0.04	4.80	0.42	0.58	7.60	0.01	0.04

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.41	0.59	7.60	0.01	0.05	4.82	0.37	0.63	7.59	0.01	0.05
4.83	0.34	0.66	7.59	0.01	0.05	4.84	0.34	0.66	7.58	0.01	0.05
4.85	0.33	0.67	7.58	0.01	0.05	4.86	0.33	0.67	7.57	0.01	0.05
4.87	0.33	0.67	7.57	0.01	0.05	4.88	0.36	0.64	7.56	0.01	0.05
4.89	0.39	0.61	7.56	0.01	0.05	4.90	0.42	0.58	7.55	0.01	0.04
4.91	0.44	0.56	7.55	0.01	0.04	4.92	0.44	0.56	7.54	0.01	0.04
4.93	0.36	0.64	7.54	0.01	0.05	4.94	0.36	0.64	7.53	0.01	0.05
4.95	0.37	0.63	7.53	0.01	0.05	4.96	0.40	0.60	7.52	0.01	0.05
4.97	0.42	0.58	7.52	0.01	0.04	4.98	0.39	0.61	7.51	0.01	0.05
4.99	0.40	0.60	7.51	0.01	0.04	5.00	0.41	0.59	7.50	0.01	0.04
5.01	0.62	0.38	7.50	0.01	0.03	5.02	0.44	0.56	7.49	0.01	0.04
5.03	0.47	0.53	7.49	0.01	0.04	5.04	0.51	0.49	7.48	0.01	0.04
5.05	0.56	0.44	7.48	0.01	0.03	5.06	0.46	0.54	7.47	0.01	0.04
5.07	0.53	0.47	7.47	0.01	0.03	5.08	0.57	0.43	7.46	0.01	0.03
5.09	0.64	0.36	7.46	0.01	0.03	5.10	0.61	0.39	7.45	0.01	0.03
5.11	0.55	0.45	7.45	0.01	0.03	5.12	0.50	0.50	7.44	0.01	0.04
5.13	0.47	0.53	7.44	0.01	0.04	5.14	0.47	0.53	7.43	0.01	0.04
5.15	0.48	0.52	7.43	0.01	0.04	5.16	0.46	0.54	7.42	0.01	0.04
5.17	0.47	0.53	7.42	0.01	0.04	5.18	0.46	0.54	7.41	0.01	0.04
5.19	0.45	0.55	7.41	0.01	0.04	5.20	0.40	0.60	7.40	0.01	0.04
5.21	0.37	0.63	7.40	0.01	0.05	5.22	0.35	0.65	7.39	0.01	0.05
5.23	0.35	0.65	7.39	0.01	0.05	5.24	0.35	0.65	7.38	0.01	0.05
5.25	0.35	0.65	7.38	0.01	0.05	5.26	0.35	0.65	7.37	0.01	0.05
5.27	0.36	0.64	7.37	0.01	0.05	5.28	0.36	0.64	7.36	0.01	0.05
5.29	0.37	0.63	7.36	0.01	0.05	5.30	0.37	0.63	7.35	0.01	0.05
5.31	0.37	0.63	7.35	0.01	0.05	5.32	0.37	0.63	7.34	0.01	0.05
5.33	0.37	0.63	7.34	0.01	0.05	5.34	0.37	0.63	7.33	0.01	0.05
5.35	0.37	0.63	7.33	0.01	0.05	5.36	0.36	0.64	7.32	0.01	0.05
5.37	0.36	0.64	7.32	0.01	0.05	5.38	0.36	0.64	7.31	0.01	0.05
5.39	0.36	0.64	7.31	0.01	0.05	5.40	0.36	0.64	7.30	0.01	0.05
5.41	0.36	0.64	7.30	0.01	0.05	5.42	0.36	0.64	7.29	0.01	0.05
5.43	0.35	0.65	7.29	0.01	0.05	5.44	0.33	0.67	7.28	0.01	0.05
5.45	0.36	0.64	7.28	0.01	0.05	5.46	0.38	0.62	7.27	0.01	0.04
5.47	0.49	0.51	7.27	0.01	0.04	5.48	0.56	0.44	7.26	0.01	0.03
5.49	0.59	0.41	7.26	0.01	0.03	5.50	0.47	0.53	7.25	0.01	0.04
5.51	0.46	0.54	7.25	0.01	0.04	5.52	0.48	0.52	7.24	0.01	0.04
5.53	0.49	0.51	7.24	0.01	0.04	5.54	0.53	0.47	7.23	0.01	0.03
5.55	0.56	0.44	7.23	0.01	0.03	5.56	0.61	0.39	7.22	0.01	0.03
5.57	0.65	0.35	7.22	0.01	0.02	5.58	0.65	0.35	7.21	0.01	0.03
5.59	0.65	0.35	7.21	0.01	0.03	5.60	0.63	0.37	7.20	0.01	0.03
5.61	0.63	0.37	7.20	0.01	0.03	5.62	0.61	0.39	7.19	0.01	0.03
5.63	0.56	0.44	7.19	0.01	0.03	5.64	0.46	0.54	7.18	0.01	0.04
5.65	0.42	0.58	7.18	0.01	0.04	5.66	0.42	0.58	7.17	0.01	0.04
5.67	0.43	0.57	7.17	0.01	0.04	5.68	0.50	0.50	7.16	0.01	0.04
5.69	0.64	0.36	7.16	0.01	0.03	5.70	0.73	0.27	7.15	0.01	0.02
5.71	0.78	0.22	7.15	0.01	0.02	5.72	0.71	0.29	7.14	0.01	0.02
5.73	0.71	0.29	7.14	0.01	0.02	5.74	0.64	0.36	7.13	0.01	0.03
5.75	0.63	0.37	7.13	0.01	0.03	5.76	0.61	0.39	7.12	0.01	0.03

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.57	0.43	7.12	0.01	0.03	5.78	0.56	0.44	7.11	0.01	0.03
5.79	0.53	0.47	7.11	0.01	0.03	5.80	0.52	0.48	7.10	0.01	0.03
5.81	0.52	0.48	7.10	0.01	0.03	5.82	0.47	0.53	7.09	0.01	0.04
5.83	0.41	0.59	7.09	0.01	0.04	5.84	0.35	0.65	7.08	0.01	0.05
5.85	0.36	0.64	7.08	0.01	0.05	5.86	0.36	0.64	7.07	0.01	0.05
5.87	0.35	0.65	7.07	0.01	0.05	5.88	0.34	0.66	7.06	0.01	0.05
5.89	0.34	0.66	7.06	0.01	0.05	5.90	0.35	0.65	7.05	0.01	0.05
5.91	0.35	0.65	7.05	0.01	0.05	5.92	0.34	0.66	7.04	0.01	0.05
5.93	0.32	0.68	7.04	0.01	0.05	5.94	0.31	0.69	7.03	0.01	0.05
5.95	0.32	0.68	7.03	0.01	0.05	5.96	0.32	0.68	7.02	0.01	0.05
5.97	0.33	0.67	7.02	0.01	0.05	5.98	0.33	0.67	7.01	0.01	0.05
5.99	0.33	0.67	7.01	0.01	0.05	6.00	0.33	0.67	7.00	0.01	0.05
6.01	0.33	0.67	7.00	0.01	0.05	6.02	0.33	0.67	6.99	0.01	0.05
6.03	0.33	0.67	6.99	0.01	0.05	6.04	0.32	0.68	6.98	0.01	0.05
6.05	0.33	0.67	6.98	0.01	0.05	6.06	0.33	0.67	6.97	0.01	0.05
6.07	0.36	0.64	6.97	0.01	0.04	6.08	0.37	0.63	6.96	0.01	0.04
6.09	0.38	0.62	6.96	0.01	0.04	6.10	0.40	0.60	6.95	0.01	0.04
6.11	0.41	0.59	6.95	0.01	0.04	6.12	0.44	0.56	6.94	0.01	0.04
6.13	0.46	0.54	6.94	0.01	0.04	6.14	0.46	0.54	6.93	0.01	0.04
6.15	0.47	0.53	6.93	0.01	0.04	6.16	0.47	0.53	6.92	0.01	0.04
6.17	0.48	0.52	6.92	0.01	0.04	6.18	0.47	0.53	6.91	0.01	0.04
6.19	0.46	0.54	6.91	0.01	0.04	6.20	0.44	0.56	6.90	0.01	0.04
6.21	0.43	0.57	6.90	0.01	0.04	6.22	0.42	0.58	6.89	0.01	0.04
6.23	0.39	0.61	6.89	0.01	0.04	6.24	0.38	0.62	6.88	0.01	0.04
6.25	0.36	0.64	6.88	0.01	0.04	6.26	0.38	0.62	6.87	0.01	0.04
6.27	0.40	0.60	6.87	0.01	0.04	6.28	0.41	0.59	6.86	0.01	0.04
6.29	0.43	0.57	6.86	0.01	0.04	6.30	0.43	0.57	6.85	0.01	0.04
6.31	0.43	0.57	6.85	0.01	0.04	6.32	0.43	0.57	6.84	0.01	0.04
6.33	0.43	0.57	6.84	0.01	0.04	6.34	0.43	0.57	6.83	0.01	0.04
6.35	0.42	0.58	6.83	0.01	0.04	6.36	0.41	0.59	6.82	0.01	0.04
6.37	0.41	0.59	6.82	0.01	0.04	6.38	0.40	0.60	6.81	0.01	0.04
6.39	0.39	0.61	6.81	0.01	0.04	6.40	0.38	0.62	6.80	0.01	0.04
6.41	0.36	0.64	6.80	0.01	0.04	6.42	0.35	0.65	6.79	0.01	0.04
6.43	0.32	0.68	6.79	0.01	0.05	6.44	0.31	0.69	6.78	0.01	0.05
6.45	0.30	0.70	6.78	0.01	0.05	6.46	0.30	0.70	6.77	0.01	0.05
6.47	0.31	0.69	6.77	0.01	0.05	6.48	0.31	0.69	6.76	0.01	0.05
6.49	0.31	0.69	6.76	0.01	0.05	6.50	0.31	0.69	6.75	0.01	0.05
6.51	0.31	0.69	6.75	0.01	0.05	6.52	0.30	0.70	6.74	0.01	0.05
6.53	0.30	0.70	6.74	0.01	0.05	6.54	0.30	0.70	6.73	0.01	0.05
6.55	0.29	0.71	6.73	0.01	0.05	6.56	0.29	0.71	6.72	0.01	0.05
6.57	0.29	0.71	6.72	0.01	0.05	6.58	0.29	0.71	6.71	0.01	0.05
6.59	0.29	0.71	6.71	0.01	0.05	6.60	0.30	0.70	6.70	0.01	0.05
6.61	0.30	0.70	6.70	0.01	0.05	6.62	0.31	0.69	6.69	0.01	0.05
6.63	0.32	0.68	6.69	0.01	0.05	6.64	0.32	0.68	6.68	0.01	0.05
6.65	0.31	0.69	6.68	0.01	0.05	6.66	0.31	0.69	6.67	0.01	0.05
6.67	0.32	0.68	6.67	0.01	0.05	6.68	0.32	0.68	6.66	0.01	0.04
6.69	0.34	0.66	6.66	0.01	0.04	6.70	0.34	0.66	6.65	0.01	0.04
6.71	0.36	0.64	6.65	0.01	0.04	6.72	0.37	0.63	6.64	0.01	0.04

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	0.38	0.62	6.64	0.01	0.04	6.74	0.39	0.61	6.63	0.01	0.04
6.75	0.39	0.61	6.63	0.01	0.04	6.76	0.40	0.60	6.62	0.01	0.04
6.77	0.41	0.59	6.62	0.01	0.04	6.78	0.41	0.59	6.61	0.01	0.04
6.79	0.41	0.59	6.61	0.01	0.04	6.80	0.41	0.59	6.60	0.01	0.04
6.81	0.39	0.61	6.60	0.01	0.04	6.82	0.38	0.62	6.59	0.01	0.04
6.83	0.35	0.65	6.59	0.01	0.04	6.84	0.35	0.65	6.58	0.01	0.04
6.85	0.35	0.65	6.58	0.01	0.04	6.86	0.37	0.63	6.57	0.01	0.04
6.87	0.38	0.62	6.57	0.01	0.04	6.88	0.37	0.63	6.56	0.01	0.04
6.89	0.37	0.63	6.56	0.01	0.04	6.90	0.37	0.63	6.55	0.01	0.04
6.91	0.37	0.63	6.55	0.01	0.04	6.92	0.37	0.63	6.54	0.01	0.04
6.93	0.33	0.67	6.54	0.01	0.04	6.94	0.34	0.66	6.53	0.01	0.04
6.95	0.35	0.65	6.53	0.01	0.04	6.96	0.34	0.66	6.52	0.01	0.04
6.97	0.34	0.66	6.52	0.01	0.04	6.98	0.34	0.66	6.51	0.01	0.04
6.99	0.34	0.66	6.51	0.01	0.04	7.00	0.34	0.66	6.50	0.01	0.04
7.01	0.35	0.65	6.50	0.01	0.04	7.02	0.33	0.67	6.49	0.01	0.04
7.03	0.33	0.67	6.49	0.01	0.04	7.04	0.30	0.70	6.48	0.01	0.05
7.05	0.33	0.67	6.48	0.01	0.04	7.06	0.36	0.64	6.47	0.01	0.04
7.07	0.41	0.59	6.47	0.01	0.04	7.08	0.47	0.53	6.46	0.01	0.03
7.09	0.55	0.45	6.46	0.01	0.03	7.10	0.69	0.31	6.45	0.01	0.02
7.11	0.76	0.24	6.45	0.01	0.02	7.12	0.85	0.15	6.44	0.01	0.01
7.13	1.09	0.00	6.44	0.01	0.00	7.14	1.22	0.00	6.43	0.01	0.00
7.15	1.47	0.00	6.43	0.01	0.00	7.16	1.56	0.00	6.42	0.01	0.00
7.17	1.67	0.00	6.42	0.01	0.00	7.18	1.69	0.00	6.41	0.01	0.00
7.19	1.72	0.00	6.41	0.01	0.00	7.20	1.72	0.00	6.40	0.01	0.00
7.21	1.70	0.00	6.40	0.01	0.00	7.22	1.66	0.00	6.39	0.01	0.00
7.23	1.49	0.00	6.39	0.01	0.00	7.24	1.34	0.00	6.38	0.01	0.00
7.25	1.21	0.00	6.38	0.01	0.00	7.26	0.93	0.07	6.37	0.01	0.00
7.27	0.80	0.20	6.37	0.01	0.01	7.28	0.61	0.39	6.36	0.01	0.02
7.29	0.57	0.43	6.36	0.01	0.03	7.30	0.59	0.41	6.35	0.01	0.03
7.31	0.59	0.41	6.35	0.01	0.03	7.32	0.67	0.33	6.34	0.01	0.02
7.33	0.64	0.36	6.34	0.01	0.02	7.34	0.66	0.34	6.33	0.01	0.02
7.35	0.66	0.34	6.33	0.01	0.02	7.36	0.61	0.39	6.32	0.01	0.02
7.37	0.60	0.40	6.32	0.01	0.03	7.38	0.57	0.43	6.31	0.01	0.03
7.39	0.56	0.44	6.31	0.01	0.03	7.40	0.54	0.46	6.30	0.01	0.03
7.41	0.52	0.48	6.30	0.01	0.03	7.42	0.50	0.50	6.29	0.01	0.03
7.43	0.49	0.51	6.29	0.01	0.03	7.44	0.46	0.54	6.28	0.01	0.03
7.45	0.42	0.58	6.28	0.01	0.04	7.46	0.39	0.61	6.27	0.01	0.04
7.47	0.36	0.64	6.27	0.01	0.04	7.48	0.39	0.61	6.26	0.01	0.04
7.49	0.43	0.57	6.26	0.01	0.04	7.50	0.57	0.43	6.25	0.01	0.03
7.51	0.73	0.27	6.25	0.01	0.02	7.52	0.94	0.06	6.24	0.01	0.00
7.53	1.74	0.00	6.24	0.01	0.00	7.54	1.98	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	1.05	0.00	6.20	0.01	0.00	7.62	1.04	0.00	6.19	0.01	0.00
7.63	0.71	0.29	6.19	0.01	0.02	7.64	0.43	0.57	6.18	0.01	0.04
7.65	0.42	0.58	6.18	0.01	0.04	7.66	0.49	0.51	6.17	0.01	0.03
7.67	0.66	0.34	6.17	0.01	0.02	7.68	0.73	0.27	6.16	0.01	0.02

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	0.50	0.50	6.16	0.01	0.03	7.70	0.47	0.53	6.15	0.01	0.03
7.71	0.40	0.60	6.15	0.01	0.04	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	0.38	0.62	6.09	0.01	0.04
7.83	0.40	0.60	6.09	0.01	0.04	7.84	0.47	0.53	6.08	0.01	0.03
7.85	0.49	0.51	6.08	0.01	0.03	7.86	0.57	0.43	6.07	0.01	0.03
7.87	0.56	0.44	6.07	0.01	0.03	7.88	0.59	0.41	6.06	0.01	0.02
7.89	0.57	0.43	6.06	0.01	0.03	7.90	0.57	0.43	6.05	0.01	0.03
7.91	0.56	0.44	6.05	0.01	0.03	7.92	0.50	0.50	6.04	0.01	0.03
7.93	0.44	0.56	6.04	0.01	0.03	7.94	0.38	0.62	6.03	0.01	0.04
7.95	0.38	0.62	6.03	0.01	0.04	7.96	0.37	0.63	6.02	0.01	0.04
7.97	0.36	0.64	6.02	0.01	0.04	7.98	0.35	0.65	6.01	0.01	0.04
7.99	0.34	0.66	6.01	0.01	0.04	8.00	0.34	0.66	6.00	0.01	0.04
8.01	0.33	0.67	6.00	0.01	0.04	8.02	0.33	0.67	5.99	0.01	0.04
8.03	0.33	0.67	5.99	0.01	0.04	8.04	0.33	0.67	5.98	0.01	0.04
8.05	0.33	0.67	5.98	0.01	0.04	8.06	0.32	0.68	5.97	0.01	0.04
8.07	0.32	0.68	5.97	0.01	0.04	8.08	0.32	0.68	5.96	0.01	0.04
8.09	0.32	0.68	5.96	0.01	0.04	8.10	0.33	0.67	5.95	0.01	0.04
8.11	0.33	0.67	5.95	0.01	0.04	8.12	0.34	0.66	5.94	0.01	0.04
8.13	0.36	0.64	5.94	0.01	0.04	8.14	0.35	0.65	5.93	0.01	0.04
8.15	0.35	0.65	5.93	0.01	0.04	8.16	0.34	0.66	5.92	0.01	0.04
8.17	0.32	0.68	5.92	0.01	0.04	8.18	0.32	0.68	5.91	0.01	0.04
8.19	0.32	0.68	5.91	0.01	0.04	8.20	0.31	0.69	5.90	0.01	0.04
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	0.32	0.68	5.88	0.01	0.04
8.25	0.32	0.68	5.88	0.01	0.04	8.26	0.33	0.67	5.87	0.01	0.04
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI	Depth (m)	FS	$F_L$	$w_z$	$d_z$	LPI
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**Overall liquefaction potential: 14.88**

LPI = 0.00 - Liquefaction risk very low

LPI between 0.00 and 5.00 - Liquefaction risk low

LPI between 5.00 and 15.00 - Liquefaction risk high

LPI &gt; 15.00 - Liquefaction risk very high

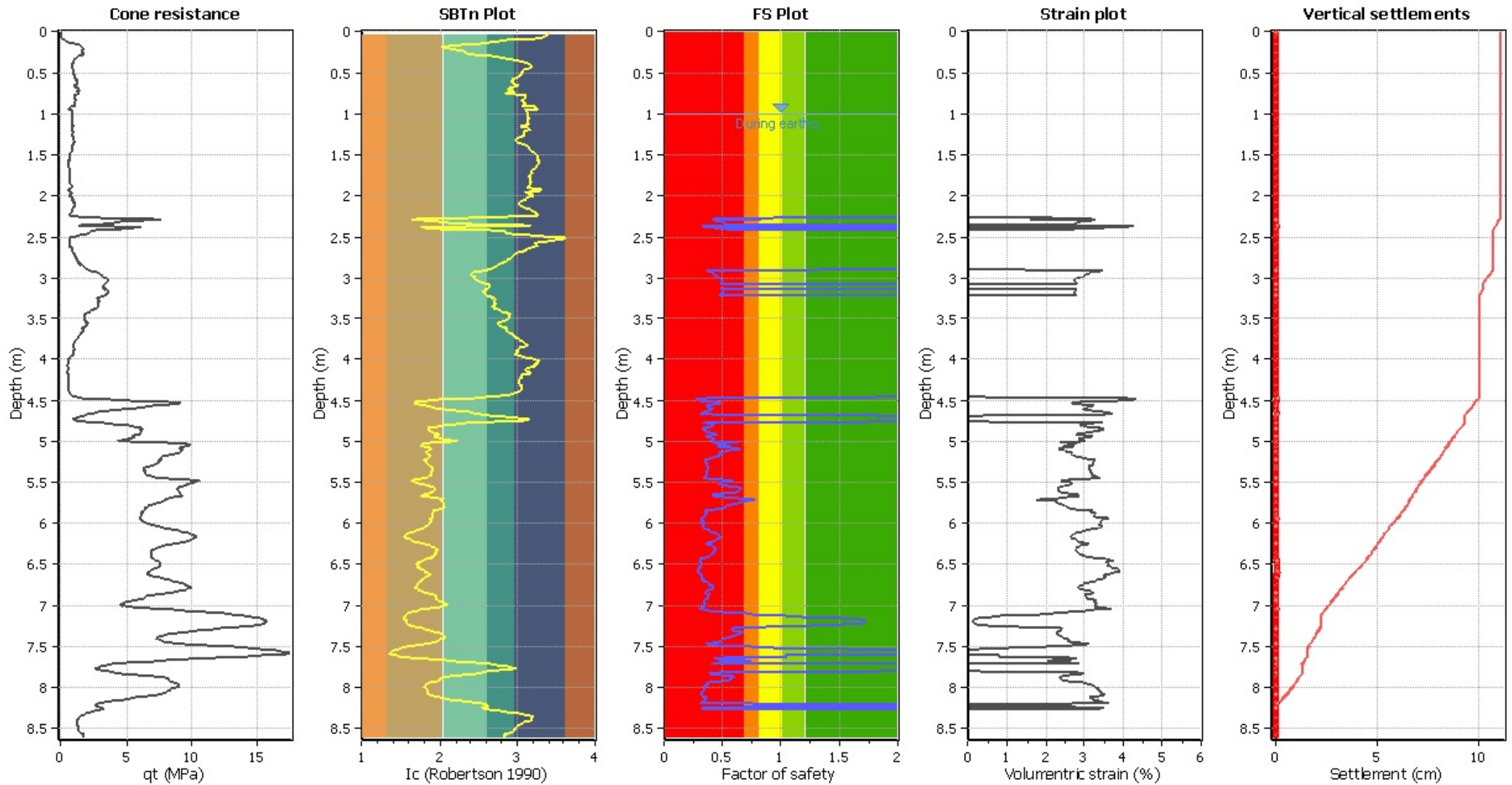
**Abbreviations**

FS: Calculated factor of safety for test point

 $F_L$ : 1 - FS $w_z$ : Function value of the extend of soil liquefaction according to depth $d_z$ : Layer thickness (m)

LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- q<sub>c</sub>: Total cone resistance (cone resistance q<sub>c</sub> corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	14.26	2.00	0.00	1.00	0.00	1.01	14.60	2.00	0.00	1.00	0.00
1.02	14.76	2.00	0.00	1.00	0.00	1.03	14.76	2.00	0.00	1.00	0.00
1.04	14.60	2.00	0.00	1.00	0.00	1.05	14.93	2.00	0.00	1.00	0.00
1.06	14.76	2.00	0.00	1.00	0.00	1.07	14.76	2.00	0.00	1.00	0.00
1.08	14.76	2.00	0.00	1.00	0.00	1.09	14.76	2.00	0.00	1.00	0.00
1.10	15.44	2.00	0.00	1.00	0.00	1.11	14.93	2.00	0.00	1.00	0.00
1.12	14.26	2.00	0.00	1.00	0.00	1.13	13.93	2.00	0.00	1.00	0.00
1.14	15.60	2.00	0.00	1.00	0.00	1.15	17.28	2.00	0.00	1.00	0.00
1.16	16.11	2.00	0.00	1.00	0.00	1.17	15.10	2.00	0.00	1.00	0.00
1.18	13.59	2.00	0.00	1.00	0.00	1.19	13.93	2.00	0.00	1.00	0.00
1.20	14.26	2.00	0.00	1.00	0.00	1.21	15.10	2.00	0.00	1.00	0.00
1.22	15.60	2.00	0.00	1.00	0.00	1.23	15.44	2.00	0.00	1.00	0.00
1.24	15.10	2.00	0.00	1.00	0.00	1.25	14.93	2.00	0.00	1.00	0.00
1.26	14.76	2.00	0.00	1.00	0.00	1.27	15.27	2.00	0.00	1.00	0.00
1.28	16.11	2.00	0.00	1.00	0.00	1.29	16.27	2.00	0.00	1.00	0.00
1.30	16.27	2.00	0.00	1.00	0.00	1.31	16.78	2.00	0.00	1.00	0.00
1.32	16.78	2.00	0.00	1.00	0.00	1.33	16.95	2.00	0.00	1.00	0.00
1.34	17.28	2.00	0.00	1.00	0.00	1.35	16.95	2.00	0.00	1.00	0.00
1.36	16.61	2.00	0.00	1.00	0.00	1.37	15.94	2.00	0.00	1.00	0.00
1.38	15.44	2.00	0.00	1.00	0.00	1.39	14.93	2.00	0.00	1.00	0.00
1.40	14.76	2.00	0.00	1.00	0.00	1.41	14.60	2.00	0.00	1.00	0.00
1.42	14.60	2.00	0.00	1.00	0.00	1.43	14.43	2.00	0.00	1.00	0.00
1.44	14.43	2.00	0.00	1.00	0.00	1.45	14.26	2.00	0.00	1.00	0.00
1.46	13.93	2.00	0.00	1.00	0.00	1.47	13.76	2.00	0.00	1.00	0.00
1.48	12.92	2.00	0.00	1.00	0.00	1.49	12.58	2.00	0.00	1.00	0.00
1.50	12.42	2.00	0.00	1.00	0.00	1.51	12.08	2.00	0.00	1.00	0.00
1.52	11.74	2.00	0.00	1.00	0.00	1.53	11.74	2.00	0.00	1.00	0.00
1.54	11.74	2.00	0.00	1.00	0.00	1.55	11.74	2.00	0.00	1.00	0.00
1.56	11.41	2.00	0.00	1.00	0.00	1.57	11.07	2.00	0.00	1.00	0.00
1.58	10.91	2.00	0.00	1.00	0.00	1.59	10.74	2.00	0.00	1.00	0.00
1.60	10.57	2.00	0.00	1.00	0.00	1.61	10.57	2.00	0.00	1.00	0.00
1.62	10.74	2.00	0.00	1.00	0.00	1.63	10.91	2.00	0.00	1.00	0.00
1.64	11.07	2.00	0.00	1.00	0.00	1.65	11.24	2.00	0.00	1.00	0.00
1.66	11.24	2.00	0.00	1.00	0.00	1.67	11.41	2.00	0.00	1.00	0.00
1.68	12.08	2.00	0.00	1.00	0.00	1.69	12.25	2.00	0.00	1.00	0.00
1.70	12.42	2.00	0.00	1.00	0.00	1.71	11.91	2.00	0.00	1.00	0.00
1.72	11.91	2.00	0.00	1.00	0.00	1.73	12.25	2.00	0.00	1.00	0.00
1.74	12.58	2.00	0.00	1.00	0.00	1.75	12.75	2.00	0.00	1.00	0.00
1.76	12.92	2.00	0.00	1.00	0.00	1.77	12.75	2.00	0.00	1.00	0.00
1.78	12.75	2.00	0.00	1.00	0.00	1.79	12.75	2.00	0.00	1.00	0.00
1.80	12.75	2.00	0.00	1.00	0.00	1.81	12.92	2.00	0.00	1.00	0.00
1.82	12.75	2.00	0.00	1.00	0.00	1.83	12.58	2.00	0.00	1.00	0.00
1.84	12.75	2.00	0.00	1.00	0.00	1.85	13.09	2.00	0.00	1.00	0.00
1.86	13.09	2.00	0.00	1.00	0.00	1.87	13.09	2.00	0.00	1.00	0.00
1.88	13.42	2.00	0.00	1.00	0.00	1.89	13.76	2.00	0.00	1.00	0.00
1.90	13.93	2.00	0.00	1.00	0.00	1.91	13.93	2.00	0.00	1.00	0.00
1.92	13.93	2.00	0.00	1.00	0.00	1.93	3.36	2.00	0.00	1.00	0.00
1.94	14.09	2.00	0.00	1.00	0.00	1.95	14.26	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	13.76	2.00	0.00	1.00	0.00	1.97	13.59	2.00	0.00	1.00	0.00
1.98	13.09	2.00	0.00	1.00	0.00	1.99	12.42	2.00	0.00	1.00	0.00
2.00	12.58	2.00	0.00	1.00	0.00	2.01	12.58	2.00	0.00	1.00	0.00
2.02	13.09	2.00	0.00	1.00	0.00	2.03	14.43	2.00	0.00	1.00	0.00
2.04	14.76	2.00	0.00	1.00	0.00	2.05	15.27	2.00	0.00	1.00	0.00
2.06	15.60	2.00	0.00	1.00	0.00	2.07	15.94	2.00	0.00	1.00	0.00
2.08	16.78	2.00	0.00	1.00	0.00	2.09	16.95	2.00	0.00	1.00	0.00
2.10	17.28	2.00	0.00	1.00	0.00	2.11	17.28	2.00	0.00	1.00	0.00
2.12	17.28	2.00	0.00	1.00	0.00	2.13	17.11	2.00	0.00	1.00	0.00
2.14	16.78	2.00	0.00	1.00	0.00	2.15	16.11	2.00	0.00	1.00	0.00
2.16	15.44	2.00	0.00	1.00	0.00	2.17	14.26	2.00	0.00	1.00	0.00
2.18	14.43	2.00	0.00	1.00	0.00	2.19	13.76	2.00	0.00	1.00	0.00
2.20	13.42	2.00	0.00	1.00	0.00	2.21	13.25	2.00	0.00	1.00	0.00
2.22	13.09	2.00	0.00	1.00	0.00	2.23	12.92	2.00	0.00	1.00	0.00
2.24	12.92	2.00	0.00	1.00	0.00	2.25	12.75	2.00	0.00	1.00	0.00
2.26	13.09	2.00	0.00	1.00	0.00	2.27	101.58	0.43	3.16	1.00	0.03
2.28	117.93	0.54	2.70	1.00	0.03	2.29	139.95	0.83	1.60	1.00	0.02
2.30	97.89	0.41	3.28	1.00	0.03	2.31	107.81	0.47	2.97	1.00	0.03
2.32	110.29	0.48	2.90	1.00	0.03	2.33	113.74	0.51	2.81	1.00	0.03
2.34	117.84	0.54	2.71	1.00	0.03	2.35	29.44	2.00	0.00	1.00	0.00
2.36	21.31	2.00	0.00	1.00	0.00	2.37	75.43	0.33	4.24	1.00	0.04
2.38	176.25	2.00	0.00	1.00	0.00	2.39	77.19	0.33	4.15	1.00	0.04
2.40	115.88	0.52	2.76	1.00	0.03	2.41	120.99	0.56	2.63	1.00	0.03
2.42	34.32	2.00	0.00	1.00	0.00	2.43	38.58	2.00	0.00	1.00	0.00
2.44	35.35	2.00	0.00	1.00	0.00	2.45	34.58	2.00	0.00	1.00	0.00
2.46	36.40	2.00	0.00	1.00	0.00	2.47	32.27	2.00	0.00	1.00	0.00
2.48	27.58	2.00	0.00	1.00	0.00	2.49	22.36	2.00	0.00	1.00	0.00
2.50	12.25	2.00	0.00	1.00	0.00	2.51	11.41	2.00	0.00	1.00	0.00
2.52	12.25	2.00	0.00	1.00	0.00	2.53	12.42	2.00	0.00	1.00	0.00
2.54	12.75	2.00	0.00	1.00	0.00	2.55	12.58	2.00	0.00	1.00	0.00
2.56	11.91	2.00	0.00	1.00	0.00	2.57	13.09	2.00	0.00	1.00	0.00
2.58	12.42	2.00	0.00	1.00	0.00	2.59	12.42	2.00	0.00	1.00	0.00
2.60	12.25	2.00	0.00	1.00	0.00	2.61	12.25	2.00	0.00	1.00	0.00
2.62	12.25	2.00	0.00	1.00	0.00	2.63	12.75	2.00	0.00	1.00	0.00
2.64	12.92	2.00	0.00	1.00	0.00	2.65	13.40	2.00	0.00	1.00	0.00
2.66	14.34	2.00	0.00	1.00	0.00	2.67	14.48	2.00	0.00	1.00	0.00
2.68	14.94	2.00	0.00	1.00	0.00	2.69	15.40	2.00	0.00	1.00	0.00
2.70	16.48	2.00	0.00	1.00	0.00	2.71	16.93	2.00	0.00	1.00	0.00
2.72	17.23	2.00	0.00	1.00	0.00	2.73	17.37	2.00	0.00	1.00	0.00
2.74	18.59	2.00	0.00	1.00	0.00	2.75	18.11	2.00	0.00	1.00	0.00
2.76	18.40	2.00	0.00	1.00	0.00	2.77	19.00	2.00	0.00	1.00	0.00
2.78	19.45	2.00	0.00	1.00	0.00	2.79	20.05	2.00	0.00	1.00	0.00
2.80	20.79	2.00	0.00	1.00	0.00	2.81	21.54	2.00	0.00	1.00	0.00
2.82	22.58	2.00	0.00	1.00	0.00	2.83	23.16	2.00	0.00	1.00	0.00
2.84	23.74	2.00	0.00	1.00	0.00	2.85	24.47	2.00	0.00	1.00	0.00
2.86	26.23	2.00	0.00	1.00	0.00	2.87	27.09	2.00	0.00	1.00	0.00
2.88	28.25	2.00	0.00	1.00	0.00	2.89	29.56	2.00	0.00	1.00	0.00
2.90	32.86	2.00	0.00	1.00	0.00	2.91	93.18	0.37	3.45	1.00	0.03

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	92.53	0.37	3.48	1.00	0.03	2.93	99.54	0.40	3.23	1.00	0.03
2.94	101.34	0.40	3.17	1.00	0.03	2.95	102.72	0.41	3.13	1.00	0.03
2.96	105.92	0.43	3.03	1.00	0.03	2.97	107.53	0.44	2.98	1.00	0.03
2.98	107.91	0.44	2.97	1.00	0.03	2.99	108.91	0.44	2.94	1.00	0.03
3.00	110.00	0.45	2.91	1.00	0.03	3.01	113.97	0.48	2.80	1.00	0.03
3.02	115.35	0.49	2.77	1.00	0.03	3.03	116.66	0.49	2.74	1.00	0.03
3.04	116.59	0.49	2.74	1.00	0.03	3.05	115.43	0.48	2.77	1.00	0.03
3.06	114.99	0.48	2.78	1.00	0.03	3.07	114.69	0.48	2.79	1.00	0.03
3.08	48.65	2.00	0.00	1.00	0.00	3.09	47.65	2.00	0.00	1.00	0.00
3.10	47.60	2.00	0.00	1.00	0.00	3.11	47.69	2.00	0.00	1.00	0.00
3.12	47.66	2.00	0.00	1.00	0.00	3.13	48.42	2.00	0.00	1.00	0.00
3.14	49.05	2.00	0.00	1.00	0.00	3.15	114.97	0.48	2.78	1.00	0.03
3.16	117.22	0.50	2.72	1.00	0.03	3.17	117.69	0.50	2.71	1.00	0.03
3.18	117.70	0.50	2.71	1.00	0.03	3.19	116.93	0.49	2.73	1.00	0.03
3.20	116.17	0.49	2.75	1.00	0.03	3.21	114.19	0.47	2.80	1.00	0.03
3.22	48.16	2.00	0.00	1.00	0.00	3.23	46.25	2.00	0.00	1.00	0.00
3.24	44.07	2.00	0.00	1.00	0.00	3.25	42.94	2.00	0.00	1.00	0.00
3.26	41.15	2.00	0.00	1.00	0.00	3.27	40.70	2.00	0.00	1.00	0.00
3.28	42.00	2.00	0.00	1.00	0.00	3.29	42.76	2.00	0.00	1.00	0.00
3.30	41.66	2.00	0.00	1.00	0.00	3.31	40.81	2.00	0.00	1.00	0.00
3.32	39.97	2.00	0.00	1.00	0.00	3.33	39.67	2.00	0.00	1.00	0.00
3.34	40.85	2.00	0.00	1.00	0.00	3.35	41.75	2.00	0.00	1.00	0.00
3.36	40.64	2.00	0.00	1.00	0.00	3.37	39.37	2.00	0.00	1.00	0.00
3.38	38.13	2.00	0.00	1.00	0.00	3.39	36.61	2.00	0.00	1.00	0.00
3.40	35.23	2.00	0.00	1.00	0.00	3.41	33.43	2.00	0.00	1.00	0.00
3.42	30.37	2.00	0.00	1.00	0.00	3.43	29.10	2.00	0.00	1.00	0.00
3.44	27.68	2.00	0.00	1.00	0.00	3.45	27.38	2.00	0.00	1.00	0.00
3.46	26.94	2.00	0.00	1.00	0.00	3.47	26.49	2.00	0.00	1.00	0.00
3.48	25.91	2.00	0.00	1.00	0.00	3.49	25.89	2.00	0.00	1.00	0.00
3.50	26.57	2.00	0.00	1.00	0.00	3.51	26.82	2.00	0.00	1.00	0.00
3.52	27.08	2.00	0.00	1.00	0.00	3.53	27.20	2.00	0.00	1.00	0.00
3.54	28.01	2.00	0.00	1.00	0.00	3.55	28.54	2.00	0.00	1.00	0.00
3.56	29.07	2.00	0.00	1.00	0.00	3.57	29.18	2.00	0.00	1.00	0.00
3.58	28.47	2.00	0.00	1.00	0.00	3.59	26.93	2.00	0.00	1.00	0.00
3.60	26.08	2.00	0.00	1.00	0.00	3.61	24.95	2.00	0.00	1.00	0.00
3.62	23.81	2.00	0.00	1.00	0.00	3.63	23.79	2.00	0.00	1.00	0.00
3.64	24.04	2.00	0.00	1.00	0.00	3.65	24.16	2.00	0.00	1.00	0.00
3.66	23.72	2.00	0.00	1.00	0.00	3.67	23.28	2.00	0.00	1.00	0.00
3.68	22.01	2.00	0.00	1.00	0.00	3.69	21.57	2.00	0.00	1.00	0.00
3.70	21.13	2.00	0.00	1.00	0.00	3.71	20.84	2.00	0.00	1.00	0.00
3.72	19.98	2.00	0.00	1.00	0.00	3.73	19.55	2.00	0.00	1.00	0.00
3.74	18.97	2.00	0.00	1.00	0.00	3.75	17.56	2.00	0.00	1.00	0.00
3.76	16.84	2.00	0.00	1.00	0.00	3.77	16.40	2.00	0.00	1.00	0.00
3.78	15.54	2.00	0.00	1.00	0.00	3.79	15.11	2.00	0.00	1.00	0.00
3.80	14.67	2.00	0.00	1.00	0.00	3.81	13.95	2.00	0.00	1.00	0.00
3.82	13.65	2.00	0.00	1.00	0.00	3.83	13.36	2.00	0.00	1.00	0.00
3.84	13.06	2.00	0.00	1.00	0.00	3.85	13.34	2.00	0.00	1.00	0.00
3.86	14.17	2.00	0.00	1.00	0.00	3.87	14.72	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	14.43	2.00	0.00	1.00	0.00	3.89	14.14	2.00	0.00	1.00	0.00
3.90	13.56	2.00	0.00	1.00	0.00	3.91	13.55	2.00	0.00	1.00	0.00
3.92	13.54	2.00	0.00	1.00	0.00	3.93	13.53	2.00	0.00	1.00	0.00
3.94	13.24	2.00	0.00	1.00	0.00	3.95	12.66	2.00	0.00	1.00	0.00
3.96	12.09	2.00	0.00	1.00	0.00	3.97	10.52	2.00	0.00	1.00	0.00
3.98	9.94	2.00	0.00	1.00	0.00	3.99	9.37	2.00	0.00	1.00	0.00
4.00	9.07	2.00	0.00	1.00	0.00	4.01	8.35	2.00	0.00	1.00	0.00
4.02	8.20	2.00	0.00	1.00	0.00	4.03	8.19	2.00	0.00	1.00	0.00
4.04	8.04	2.00	0.00	1.00	0.00	4.05	7.89	2.00	0.00	1.00	0.00
4.06	7.75	2.00	0.00	1.00	0.00	4.07	7.60	2.00	0.00	1.00	0.00
4.08	7.59	2.00	0.00	1.00	0.00	4.09	7.73	2.00	0.00	1.00	0.00
4.10	7.87	2.00	0.00	1.00	0.00	4.11	8.00	2.00	0.00	1.00	0.00
4.12	7.85	2.00	0.00	1.00	0.00	4.13	7.71	2.00	0.00	1.00	0.00
4.14	7.56	2.00	0.00	1.00	0.00	4.15	7.55	2.00	0.00	1.00	0.00
4.16	4.25	2.00	0.00	1.00	0.00	4.17	7.26	2.00	0.00	1.00	0.00
4.18	8.25	2.00	0.00	1.00	0.00	4.19	8.24	2.00	0.00	1.00	0.00
4.20	8.24	2.00	0.00	1.00	0.00	4.21	8.37	2.00	0.00	1.00	0.00
4.22	8.51	2.00	0.00	1.00	0.00	4.23	8.64	2.00	0.00	1.00	0.00
4.24	8.64	2.00	0.00	1.00	0.00	4.25	8.91	2.00	0.00	1.00	0.00
4.26	8.91	2.00	0.00	1.00	0.00	4.27	8.90	2.00	0.00	1.00	0.00
4.28	8.90	2.00	0.00	1.00	0.00	4.29	8.89	2.00	0.00	1.00	0.00
4.30	8.74	2.00	0.00	1.00	0.00	4.31	8.60	2.00	0.00	1.00	0.00
4.32	8.59	2.00	0.00	1.00	0.00	4.33	8.59	2.00	0.00	1.00	0.00
4.34	8.44	2.00	0.00	1.00	0.00	4.35	8.57	2.00	0.00	1.00	0.00
4.36	8.57	2.00	0.00	1.00	0.00	4.37	8.56	2.00	0.00	1.00	0.00
4.38	8.84	2.00	0.00	1.00	0.00	4.39	8.97	2.00	0.00	1.00	0.00
4.40	9.24	2.00	0.00	1.00	0.00	4.41	9.37	2.00	0.00	1.00	0.00
4.42	9.79	2.00	0.00	1.00	0.00	4.43	11.17	2.00	0.00	1.00	0.00
4.44	11.99	2.00	0.00	1.00	0.00	4.45	12.82	2.00	0.00	1.00	0.00
4.46	15.98	2.00	0.00	1.00	0.00	4.47	74.20	0.28	4.31	1.00	0.04
4.48	79.84	0.29	4.02	1.00	0.04	4.49	75.06	0.28	4.26	1.00	0.04
4.50	88.35	0.32	3.64	1.00	0.04	4.51	103.91	0.38	3.09	1.00	0.03
4.52	118.46	0.48	2.69	1.00	0.03	4.53	119.31	0.48	2.67	1.00	0.03
4.54	118.43	0.47	2.69	1.00	0.03	4.55	111.79	0.43	2.86	1.00	0.03
4.56	104.43	0.39	3.07	1.00	0.03	4.57	99.07	0.36	3.24	1.00	0.03
4.58	104.62	0.39	3.07	1.00	0.03	4.59	103.33	0.38	3.11	1.00	0.03
4.60	108.39	0.41	2.96	1.00	0.03	4.61	106.88	0.40	3.00	1.00	0.03
4.62	102.82	0.38	3.12	1.00	0.03	4.63	99.57	0.36	3.23	1.00	0.03
4.64	95.67	0.34	3.36	1.00	0.03	4.65	88.43	0.32	3.64	1.00	0.04
4.66	89.58	0.32	3.59	1.00	0.04	4.67	86.46	0.31	3.72	1.00	0.04
4.68	22.78	2.00	0.00	1.00	0.00	4.69	20.51	2.00	0.00	1.00	0.00
4.70	18.64	2.00	0.00	1.00	0.00	4.71	17.69	2.00	0.00	1.00	0.00
4.72	14.24	2.00	0.00	1.00	0.00	4.73	12.77	2.00	0.00	1.00	0.00
4.74	12.76	2.00	0.00	1.00	0.00	4.75	14.48	2.00	0.00	1.00	0.00
4.76	25.70	2.00	0.00	1.00	0.00	4.77	92.81	0.33	3.46	1.00	0.03
4.78	99.08	0.36	3.24	1.00	0.03	4.79	111.89	0.42	2.86	1.00	0.03
4.80	111.11	0.42	2.88	1.00	0.03	4.81	109.05	0.41	2.94	1.00	0.03
4.82	102.56	0.37	3.13	1.00	0.03	4.83	95.25	0.34	3.38	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	95.87	0.34	3.35	1.00	0.03	4.85	92.27	0.33	3.49	1.00	0.03
4.86	92.68	0.33	3.47	1.00	0.03	4.87	93.31	0.33	3.45	1.00	0.03
4.88	100.21	0.36	3.21	1.00	0.03	4.89	106.91	0.39	3.00	1.00	0.03
4.90	112.20	0.42	2.85	1.00	0.03	4.91	115.17	0.44	2.77	1.00	0.03
4.92	114.25	0.44	2.80	1.00	0.03	4.93	101.12	0.36	3.18	1.00	0.03
4.94	100.53	0.36	3.20	1.00	0.03	4.95	101.86	0.37	3.15	1.00	0.03
4.96	107.35	0.40	2.99	1.00	0.03	4.97	112.33	0.42	2.85	1.00	0.03
4.98	106.82	0.39	3.00	1.00	0.03	4.99	108.81	0.40	2.94	1.00	0.03
5.00	110.56	0.41	2.90	1.00	0.03	5.01	133.70	0.62	2.36	1.00	0.02
5.02	114.89	0.44	2.78	1.00	0.03	5.03	119.51	0.47	2.67	1.00	0.03
5.04	123.57	0.51	2.57	1.00	0.03	5.05	128.97	0.56	2.46	1.00	0.02
5.06	117.20	0.46	2.72	1.00	0.03	5.07	126.06	0.53	2.52	1.00	0.03
5.08	129.76	0.57	2.44	1.00	0.02	5.09	135.35	0.64	2.33	1.00	0.02
5.10	132.83	0.61	2.38	1.00	0.02	5.11	127.77	0.55	2.48	1.00	0.02
5.12	122.98	0.50	2.59	1.00	0.03	5.13	118.78	0.47	2.68	1.00	0.03
5.14	119.66	0.47	2.66	1.00	0.03	5.15	120.32	0.48	2.65	1.00	0.03
5.16	118.41	0.46	2.69	1.00	0.03	5.17	118.55	0.47	2.69	1.00	0.03
5.18	117.46	0.46	2.72	1.00	0.03	5.19	116.33	0.45	2.74	1.00	0.03
5.20	109.42	0.40	2.93	1.00	0.03	5.21	103.69	0.37	3.10	1.00	0.03
5.22	98.33	0.35	3.27	1.00	0.03	5.23	98.72	0.35	3.26	1.00	0.03
5.24	98.69	0.35	3.26	1.00	0.03	5.25	98.94	0.35	3.25	1.00	0.03
5.26	99.72	0.35	3.22	1.00	0.03	5.27	100.55	0.36	3.20	1.00	0.03
5.28	100.54	0.36	3.20	1.00	0.03	5.29	102.04	0.37	3.15	1.00	0.03
5.30	103.38	0.37	3.11	1.00	0.03	5.31	102.24	0.37	3.14	1.00	0.03
5.32	103.26	0.37	3.11	1.00	0.03	5.33	102.71	0.37	3.13	1.00	0.03
5.34	102.50	0.37	3.13	1.00	0.03	5.35	102.31	0.37	3.14	1.00	0.03
5.36	101.83	0.36	3.15	1.00	0.03	5.37	102.11	0.36	3.15	1.00	0.03
5.38	101.71	0.36	3.16	1.00	0.03	5.39	101.08	0.36	3.18	1.00	0.03
5.40	101.12	0.36	3.18	1.00	0.03	5.41	100.10	0.36	3.21	1.00	0.03
5.42	100.25	0.36	3.20	1.00	0.03	5.43	98.28	0.35	3.27	1.00	0.03
5.44	95.01	0.33	3.38	1.00	0.03	5.45	100.46	0.36	3.20	1.00	0.03
5.46	105.90	0.38	3.03	1.00	0.03	5.47	121.64	0.49	2.62	1.00	0.03
5.48	129.48	0.56	2.45	1.00	0.02	5.49	131.70	0.59	2.40	1.00	0.02
5.50	119.34	0.47	2.67	1.00	0.03	5.51	118.83	0.46	2.68	1.00	0.03
5.52	121.19	0.48	2.63	1.00	0.03	5.53	122.51	0.49	2.60	1.00	0.03
5.54	126.64	0.53	2.51	1.00	0.03	5.55	129.68	0.56	2.44	1.00	0.02
5.56	133.62	0.61	2.36	1.00	0.02	5.57	136.79	0.65	2.30	1.00	0.02
5.58	136.29	0.65	2.31	1.00	0.02	5.59	136.42	0.65	2.31	1.00	0.02
5.60	135.41	0.63	2.33	1.00	0.02	5.61	135.26	0.63	2.33	1.00	0.02
5.62	133.35	0.61	2.37	1.00	0.02	5.63	129.30	0.56	2.45	1.00	0.02
5.64	118.70	0.46	2.69	1.00	0.03	5.65	112.69	0.42	2.84	1.00	0.03
5.66	112.01	0.42	2.86	1.00	0.03	5.67	113.74	0.43	2.81	1.00	0.03
5.68	123.20	0.50	2.58	1.00	0.03	5.69	136.00	0.64	2.32	1.00	0.02
5.70	141.45	0.73	2.13	1.00	0.02	5.71	144.02	0.78	1.74	1.00	0.02
5.72	140.30	0.71	2.24	1.00	0.02	5.73	140.53	0.71	2.23	1.00	0.02
5.74	135.66	0.64	2.32	1.00	0.02	5.75	135.35	0.63	2.33	1.00	0.02
5.76	134.04	0.61	2.35	1.00	0.02	5.77	130.61	0.57	2.42	1.00	0.02
5.78	129.27	0.56	2.45	1.00	0.02	5.79	126.64	0.53	2.51	1.00	0.03

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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
5.80	125.86	0.52	2.52	1.00	0.03	5.81	125.43	0.52	2.53	1.00	0.03
5.82	119.76	0.47	2.66	1.00	0.03	5.83	111.97	0.41	2.86	1.00	0.03
5.84	99.96	0.35	3.21	1.00	0.03	5.85	102.38	0.36	3.14	1.00	0.03
5.86	101.99	0.36	3.15	1.00	0.03	5.87	100.51	0.35	3.20	1.00	0.03
5.88	98.09	0.34	3.28	1.00	0.03	5.89	98.04	0.34	3.28	1.00	0.03
5.90	98.86	0.35	3.25	1.00	0.03	5.91	99.73	0.35	3.22	1.00	0.03
5.92	96.56	0.34	3.33	1.00	0.03	5.93	91.17	0.32	3.53	1.00	0.04
5.94	89.40	0.31	3.60	1.00	0.04	5.95	91.85	0.32	3.50	1.00	0.04
5.96	93.30	0.32	3.45	1.00	0.03	5.97	93.61	0.33	3.44	1.00	0.03
5.98	94.85	0.33	3.39	1.00	0.03	5.99	93.98	0.33	3.42	1.00	0.03
6.00	95.17	0.33	3.38	1.00	0.03	6.01	94.13	0.33	3.42	1.00	0.03
6.02	95.41	0.33	3.37	1.00	0.03	6.03	94.31	0.33	3.41	1.00	0.03
6.04	93.13	0.32	3.45	1.00	0.03	6.05	94.83	0.33	3.39	1.00	0.03
6.06	96.05	0.33	3.35	1.00	0.03	6.07	101.75	0.36	3.16	1.00	0.03
6.08	103.92	0.37	3.09	1.00	0.03	6.09	106.06	0.38	3.02	1.00	0.03
6.10	109.94	0.40	2.91	1.00	0.03	6.11	112.06	0.41	2.86	1.00	0.03
6.12	116.68	0.44	2.74	1.00	0.03	6.13	118.79	0.46	2.68	1.00	0.03
6.14	119.48	0.46	2.67	1.00	0.03	6.15	120.29	0.47	2.65	1.00	0.03
6.16	120.77	0.47	2.64	1.00	0.03	6.17	121.04	0.48	2.63	1.00	0.03
6.18	120.22	0.47	2.65	1.00	0.03	6.19	119.08	0.46	2.68	1.00	0.03
6.20	116.54	0.44	2.74	1.00	0.03	6.21	114.86	0.43	2.78	1.00	0.03
6.22	112.74	0.42	2.84	1.00	0.03	6.23	108.00	0.39	2.97	1.00	0.03
6.24	105.91	0.38	3.03	1.00	0.03	6.25	102.62	0.36	3.13	1.00	0.03
6.26	105.69	0.38	3.04	1.00	0.03	6.27	109.86	0.40	2.92	1.00	0.03
6.28	111.21	0.41	2.88	1.00	0.03	6.29	114.54	0.43	2.79	1.00	0.03
6.30	115.60	0.43	2.76	1.00	0.03	6.31	114.79	0.43	2.78	1.00	0.03
6.32	115.65	0.43	2.76	1.00	0.03	6.33	115.42	0.43	2.77	1.00	0.03
6.34	114.41	0.43	2.79	1.00	0.03	6.35	113.49	0.42	2.82	1.00	0.03
6.36	112.36	0.41	2.85	1.00	0.03	6.37	111.31	0.41	2.88	1.00	0.03
6.38	110.33	0.40	2.90	1.00	0.03	6.39	108.92	0.39	2.94	1.00	0.03
6.40	106.66	0.38	3.01	1.00	0.03	6.41	103.33	0.36	3.11	1.00	0.03
6.42	99.57	0.35	3.23	1.00	0.03	6.43	91.26	0.32	3.52	1.00	0.04
6.44	89.77	0.31	3.58	1.00	0.04	6.45	85.56	0.30	3.76	1.00	0.04
6.46	87.25	0.30	3.68	1.00	0.04	6.47	90.48	0.31	3.55	1.00	0.04
6.48	89.99	0.31	3.57	1.00	0.04	6.49	88.84	0.31	3.62	1.00	0.04
6.50	89.13	0.31	3.61	1.00	0.04	6.51	89.52	0.31	3.59	1.00	0.04
6.52	88.04	0.30	3.65	1.00	0.04	6.53	87.89	0.30	3.66	1.00	0.04
6.54	86.74	0.30	3.71	1.00	0.04	6.55	83.94	0.29	3.83	1.00	0.04
6.56	83.31	0.29	3.85	1.00	0.04	6.57	82.82	0.29	3.88	1.00	0.04
6.58	82.02	0.29	3.91	1.00	0.04	6.59	83.37	0.29	3.85	1.00	0.04
6.60	85.39	0.30	3.76	1.00	0.04	6.61	88.02	0.30	3.65	1.00	0.04
6.62	90.98	0.31	3.53	1.00	0.04	6.63	91.86	0.32	3.50	1.00	0.04
6.64	92.35	0.32	3.48	1.00	0.03	6.65	90.98	0.31	3.53	1.00	0.04
6.66	89.76	0.31	3.58	1.00	0.04	6.67	92.41	0.32	3.48	1.00	0.03
6.68	94.02	0.32	3.42	1.00	0.03	6.69	96.99	0.34	3.31	1.00	0.03
6.70	97.96	0.34	3.28	1.00	0.03	6.71	101.77	0.36	3.16	1.00	0.03
6.72	104.32	0.37	3.08	1.00	0.03	6.73	106.09	0.38	3.02	1.00	0.03
6.74	108.50	0.39	2.95	1.00	0.03	6.75	108.87	0.39	2.94	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
6.76	111.17	0.40	2.88	1.00	0.03	6.77	111.97	0.41	2.86	1.00	0.03
6.78	112.98	0.41	2.83	1.00	0.03	6.79	112.81	0.41	2.84	1.00	0.03
6.80	111.37	0.41	2.87	1.00	0.03	6.81	108.00	0.39	2.97	1.00	0.03
6.82	106.23	0.38	3.02	1.00	0.03	6.83	101.54	0.35	3.16	1.00	0.03
6.84	100.73	0.35	3.19	1.00	0.03	6.85	99.53	0.35	3.23	1.00	0.03
6.86	104.14	0.37	3.08	1.00	0.03	6.87	107.19	0.38	2.99	1.00	0.03
6.88	105.02	0.37	3.06	1.00	0.03	6.89	105.66	0.37	3.04	1.00	0.03
6.90	104.48	0.37	3.07	1.00	0.03	6.91	104.97	0.37	3.06	1.00	0.03
6.92	105.18	0.37	3.05	1.00	0.03	6.93	96.79	0.33	3.32	1.00	0.03
6.94	97.82	0.34	3.29	1.00	0.03	6.95	99.84	0.35	3.22	1.00	0.03
6.96	98.07	0.34	3.28	1.00	0.03	6.97	99.24	0.34	3.24	1.00	0.03
6.98	97.36	0.34	3.30	1.00	0.03	6.99	97.95	0.34	3.28	1.00	0.03
7.00	96.92	0.34	3.32	1.00	0.03	7.01	99.60	0.35	3.23	1.00	0.03
7.02	96.28	0.33	3.34	1.00	0.03	7.03	96.81	0.33	3.32	1.00	0.03
7.04	87.03	0.30	3.69	1.00	0.04	7.05	94.63	0.33	3.40	1.00	0.03
7.06	103.04	0.36	3.12	1.00	0.03	7.07	111.92	0.41	2.86	1.00	0.03
7.08	121.25	0.47	2.63	1.00	0.03	7.09	129.47	0.55	2.45	1.00	0.02
7.10	140.24	0.69	2.24	1.00	0.02	7.11	144.12	0.76	1.83	1.00	0.02
7.12	148.61	0.85	1.31	1.00	0.01	7.13	156.89	1.09	0.71	1.00	0.01
7.14	160.31	1.22	0.53	1.00	0.01	7.15	165.78	1.47	0.28	1.00	0.00
7.16	167.24	1.56	0.23	1.00	0.00	7.17	169.01	1.67	0.16	1.00	0.00
7.18	169.45	1.69	0.14	1.00	0.00	7.19	169.78	1.72	0.13	1.00	0.00
7.20	169.81	1.72	0.13	1.00	0.00	7.21	169.54	1.70	0.14	1.00	0.00
7.22	168.85	1.66	0.17	1.00	0.00	7.23	166.03	1.49	0.28	1.00	0.00
7.24	163.19	1.34	0.39	1.00	0.00	7.25	160.05	1.21	0.54	1.00	0.01
7.26	151.67	0.93	1.05	1.00	0.01	7.27	146.04	0.80	1.58	1.00	0.02
7.28	134.71	0.61	2.34	1.00	0.02	7.29	131.41	0.57	2.41	1.00	0.02
7.30	132.96	0.59	2.38	1.00	0.02	7.31	133.05	0.59	2.37	1.00	0.02
7.32	138.68	0.67	2.27	1.00	0.02	7.33	136.76	0.64	2.30	1.00	0.02
7.34	137.96	0.66	2.28	1.00	0.02	7.35	138.20	0.66	2.28	1.00	0.02
7.36	134.73	0.61	2.34	1.00	0.02	7.37	134.06	0.60	2.35	1.00	0.02
7.38	131.19	0.57	2.41	1.00	0.02	7.39	130.21	0.56	2.43	1.00	0.02
7.40	128.57	0.54	2.46	1.00	0.02	7.41	127.11	0.52	2.50	1.00	0.02
7.42	124.26	0.50	2.56	1.00	0.03	7.43	123.20	0.49	2.58	1.00	0.03
7.44	119.61	0.46	2.66	1.00	0.03	7.45	113.39	0.42	2.82	1.00	0.03
7.46	109.31	0.39	2.93	1.00	0.03	7.47	102.30	0.36	3.14	1.00	0.03
7.48	109.32	0.39	2.93	1.00	0.03	7.49	115.31	0.43	2.77	1.00	0.03
7.50	131.86	0.57	2.40	1.00	0.02	7.51	142.31	0.73	2.12	1.00	0.02
7.52	152.10	0.94	1.02	1.00	0.01	7.53	170.17	1.74	0.12	1.00	0.00
7.54	173.45	1.98	0.01	1.00	0.00	7.55	175.21	2.00	0.00	1.00	0.00
7.56	179.59	2.00	0.00	1.00	0.00	7.57	182.86	2.00	0.00	1.00	0.00
7.58	181.48	2.00	0.00	1.00	0.00	7.59	191.09	2.00	0.00	1.00	0.00
7.60	183.37	2.00	0.00	1.00	0.00	7.61	155.72	1.05	0.78	1.00	0.01
7.62	155.56	1.04	0.79	1.00	0.01	7.63	141.39	0.71	2.22	1.00	0.02
7.64	115.53	0.43	2.76	1.00	0.03	7.65	114.74	0.42	2.78	1.00	0.03
7.66	123.12	0.49	2.58	1.00	0.03	7.67	138.49	0.66	2.27	1.00	0.02
7.68	142.83	0.73	2.03	1.00	0.02	7.69	124.21	0.50	2.56	1.00	0.03
7.70	121.43	0.47	2.62	1.00	0.03	7.71	111.33	0.40	2.88	1.00	0.03

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	41.91	2.00	0.00	1.00	0.00	7.73	38.78	2.00	0.00	1.00	0.00
7.74	33.73	2.00	0.00	1.00	0.00	7.75	31.88	2.00	0.00	1.00	0.00
7.76	28.53	2.00	0.00	1.00	0.00	7.77	27.33	2.00	0.00	1.00	0.00
7.78	27.43	2.00	0.00	1.00	0.00	7.79	31.71	2.00	0.00	1.00	0.00
7.80	35.45	2.00	0.00	1.00	0.00	7.81	41.82	2.00	0.00	1.00	0.00
7.82	107.13	0.38	2.99	1.00	0.03	7.83	110.53	0.40	2.90	1.00	0.03
7.84	120.70	0.47	2.64	1.00	0.03	7.85	123.61	0.49	2.57	1.00	0.03
7.86	131.39	0.57	2.41	1.00	0.02	7.87	130.85	0.56	2.42	1.00	0.02
7.88	133.49	0.59	2.36	1.00	0.02	7.89	131.78	0.57	2.40	1.00	0.02
7.90	131.60	0.57	2.40	1.00	0.02	7.91	130.71	0.56	2.42	1.00	0.02
7.92	124.15	0.50	2.56	1.00	0.03	7.93	116.68	0.44	2.74	1.00	0.03
7.94	106.04	0.38	3.02	1.00	0.03	7.95	106.23	0.38	3.02	1.00	0.03
7.96	104.54	0.37	3.07	1.00	0.03	7.97	102.25	0.36	3.14	1.00	0.03
7.98	99.65	0.35	3.22	1.00	0.03	7.99	98.43	0.34	3.27	1.00	0.03
8.00	97.89	0.34	3.28	1.00	0.03	8.01	95.57	0.33	3.36	1.00	0.03
8.02	96.34	0.33	3.34	1.00	0.03	8.03	95.58	0.33	3.36	1.00	0.03
8.04	95.33	0.33	3.37	1.00	0.03	8.05	94.56	0.33	3.40	1.00	0.03
8.06	93.09	0.32	3.45	1.00	0.03	8.07	92.44	0.32	3.48	1.00	0.03
8.08	92.74	0.32	3.47	1.00	0.03	8.09	91.27	0.32	3.52	1.00	0.04
8.10	94.38	0.33	3.41	1.00	0.03	8.11	95.06	0.33	3.38	1.00	0.03
8.12	98.28	0.34	3.27	1.00	0.03	8.13	102.23	0.36	3.14	1.00	0.03
8.14	99.46	0.35	3.23	1.00	0.03	8.15	100.41	0.35	3.20	1.00	0.03
8.16	99.21	0.34	3.24	1.00	0.03	8.17	93.14	0.32	3.45	1.00	0.03
8.18	92.74	0.32	3.47	1.00	0.03	8.19	91.90	0.32	3.50	1.00	0.03
8.20	88.93	0.31	3.62	1.00	0.04	8.21	28.53	2.00	0.00	1.00	0.00
8.22	27.24	2.00	0.00	1.00	0.00	8.23	30.29	2.00	0.00	1.00	0.00
8.24	91.80	0.32	3.50	1.00	0.04	8.25	93.47	0.32	3.44	1.00	0.03
8.26	94.86	0.33	3.39	1.00	0.03	8.27	33.79	2.00	0.00	1.00	0.00
8.28	32.09	2.00	0.00	1.00	0.00	8.29	27.34	2.00	0.00	1.00	0.00
8.30	24.90	2.00	0.00	1.00	0.00	8.31	22.99	2.00	0.00	1.00	0.00
8.32	20.23	2.00	0.00	1.00	0.00	8.33	18.85	2.00	0.00	1.00	0.00
8.34	17.36	2.00	0.00	1.00	0.00	8.35	15.87	2.00	0.00	1.00	0.00
8.36	15.65	2.00	0.00	1.00	0.00	8.37	15.22	2.00	0.00	1.00	0.00
8.38	14.26	2.00	0.00	1.00	0.00	8.39	13.83	2.00	0.00	1.00	0.00
8.40	13.40	2.00	0.00	1.00	0.00	8.41	13.08	2.00	0.00	1.00	0.00
8.42	13.28	2.00	0.00	1.00	0.00	8.43	13.38	2.00	0.00	1.00	0.00
8.44	13.58	2.00	0.00	1.00	0.00	8.45	13.68	2.00	0.00	1.00	0.00
8.46	13.78	2.00	0.00	1.00	0.00	8.47	13.88	2.00	0.00	1.00	0.00
8.48	13.87	2.00	0.00	1.00	0.00	8.49	13.87	2.00	0.00	1.00	0.00
8.50	14.07	2.00	0.00	1.00	0.00	8.51	14.27	2.00	0.00	1.00	0.00
8.52	14.48	2.00	0.00	1.00	0.00	8.53	14.68	2.00	0.00	1.00	0.00
8.54	15.20	2.00	0.00	1.00	0.00	8.55	15.61	2.00	0.00	1.00	0.00
8.56	15.92	2.00	0.00	1.00	0.00	8.57	18.52	2.00	0.00	1.00	0.00
8.58	17.47	2.00	0.00	1.00	0.00	8.59	17.46	2.00	0.00	1.00	0.00
8.60	18.08	2.00	0.00	1.00	0.00						



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

Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
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**Total estimated settlement: 11.06****Abbreviations**

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

**LIQUEFACTION ANALYSIS REPORT**

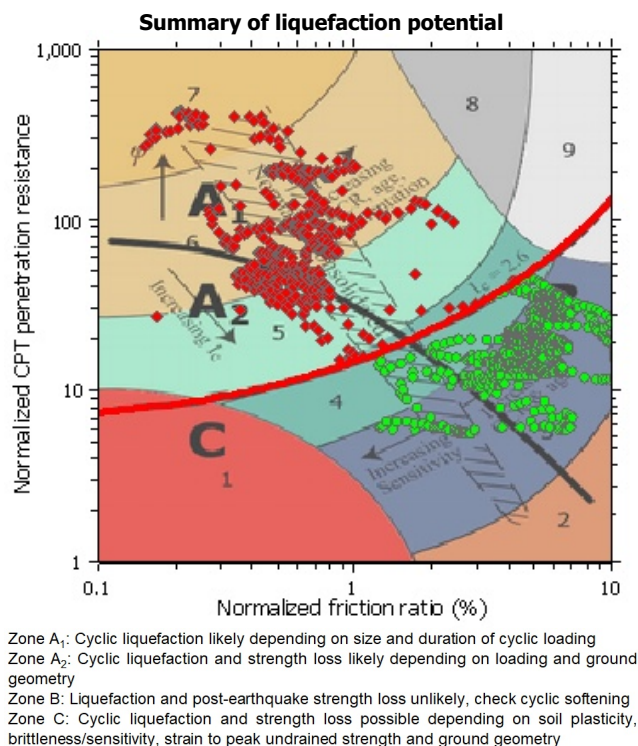
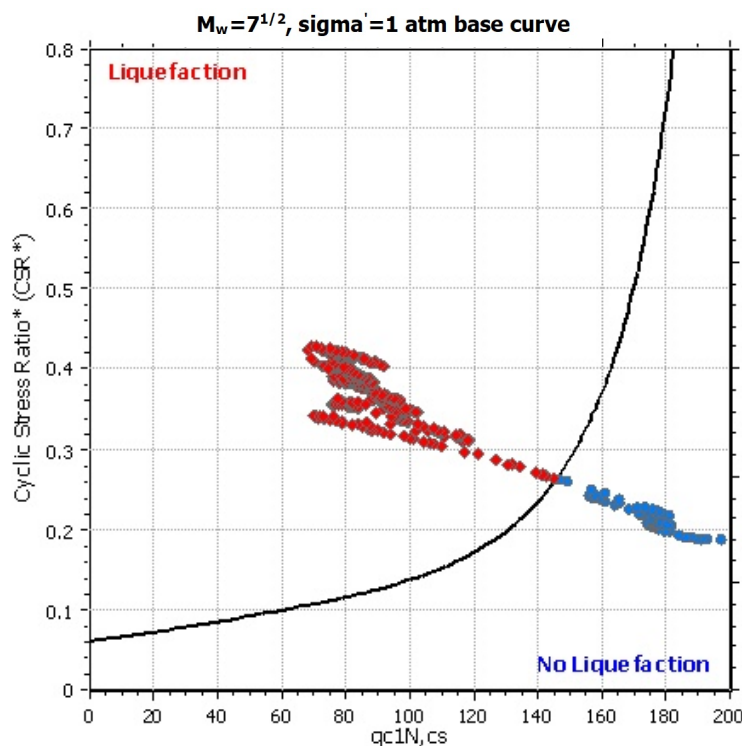
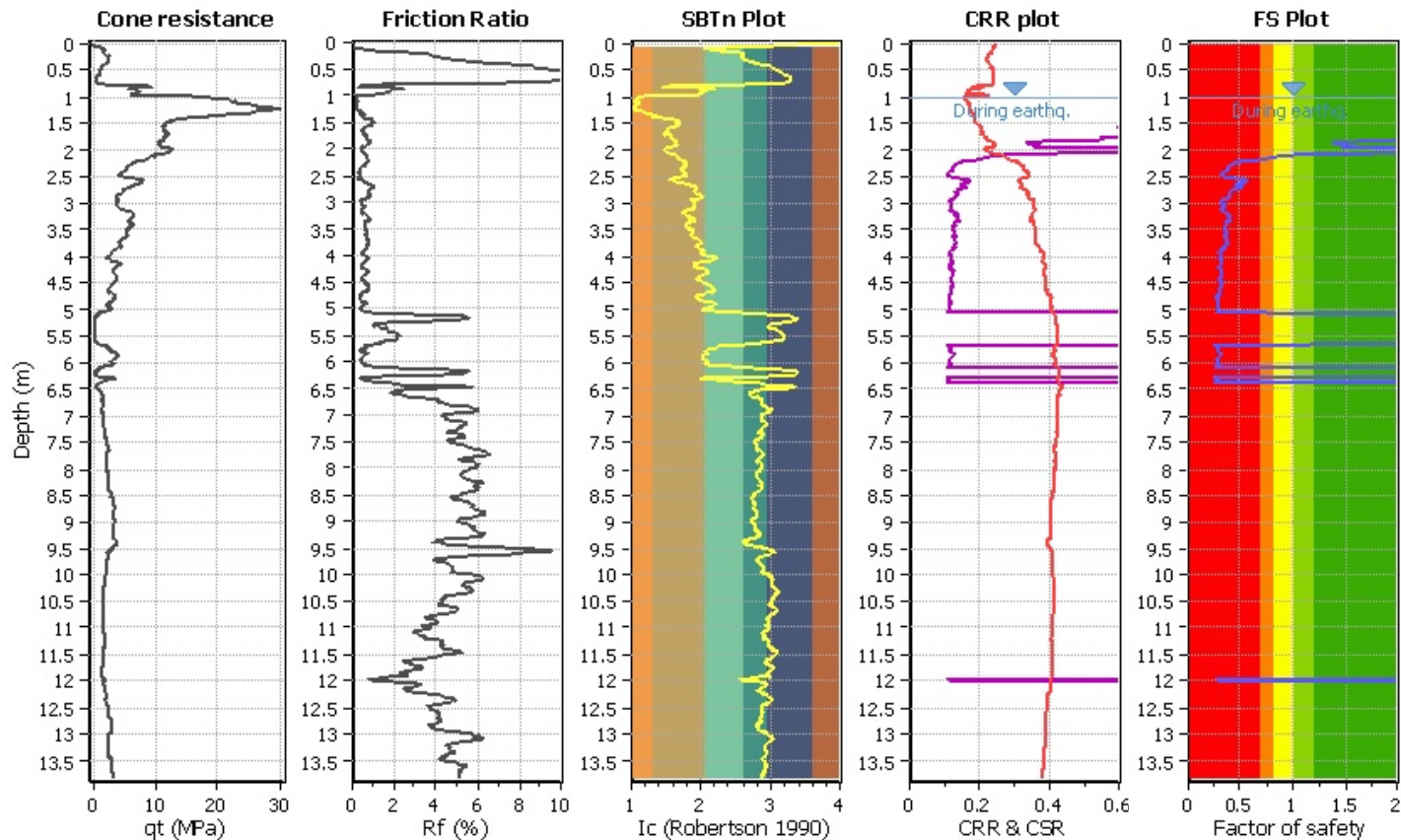
**Project title : Analisi liquefazione**

**Location : Comune di Misano Adriatico**

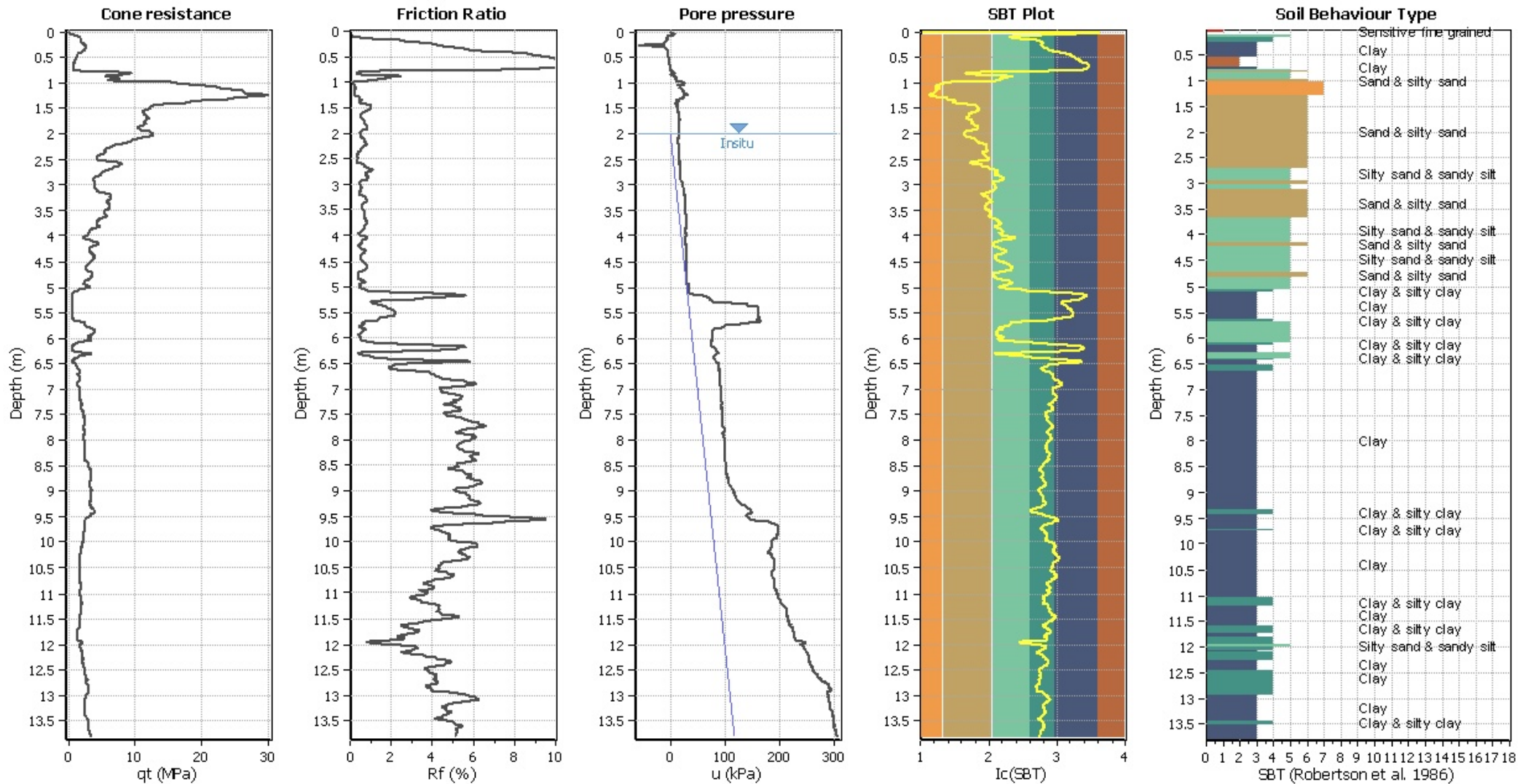
**CPT file : CPTU-16-2019**

**Input parameters and analysis data**

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude $M_w$ :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.35	Unit weight calculation:	Based on SBT	$K_g$ applied:	Yes		



### CPT basic interpretation plo



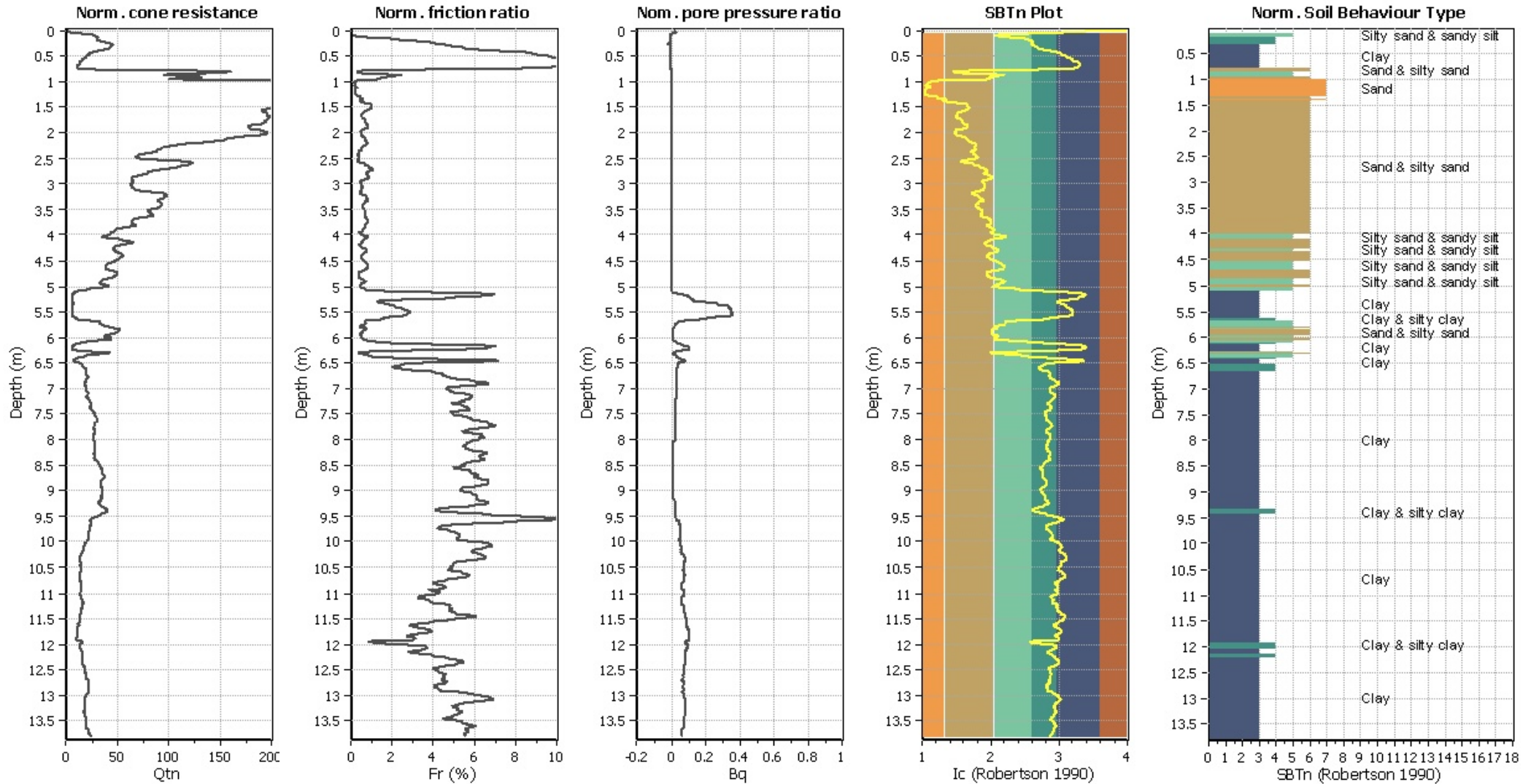
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBT legend

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

### CPT basic interpretation plots (normaliz)



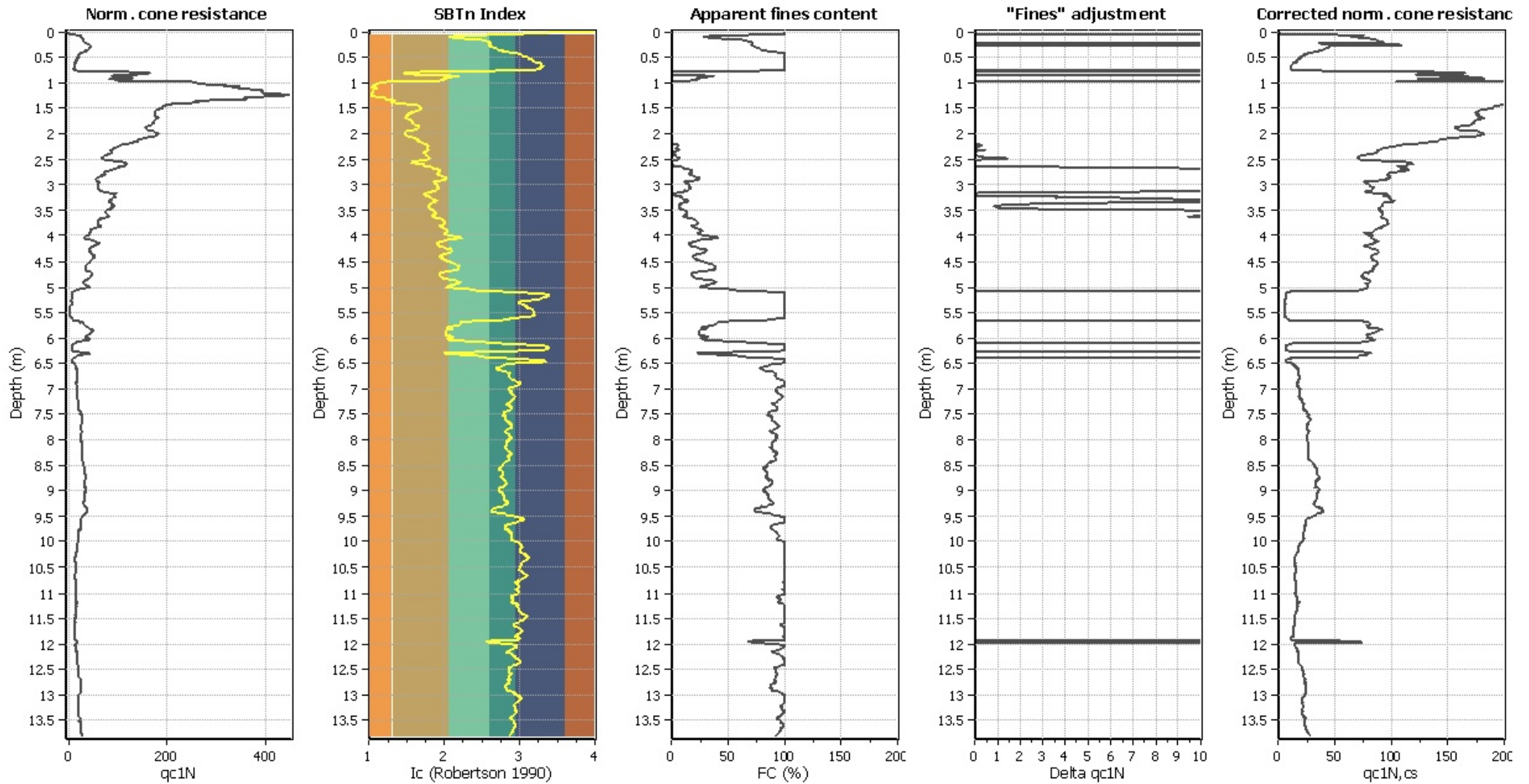
#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

#### SBTn legend

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

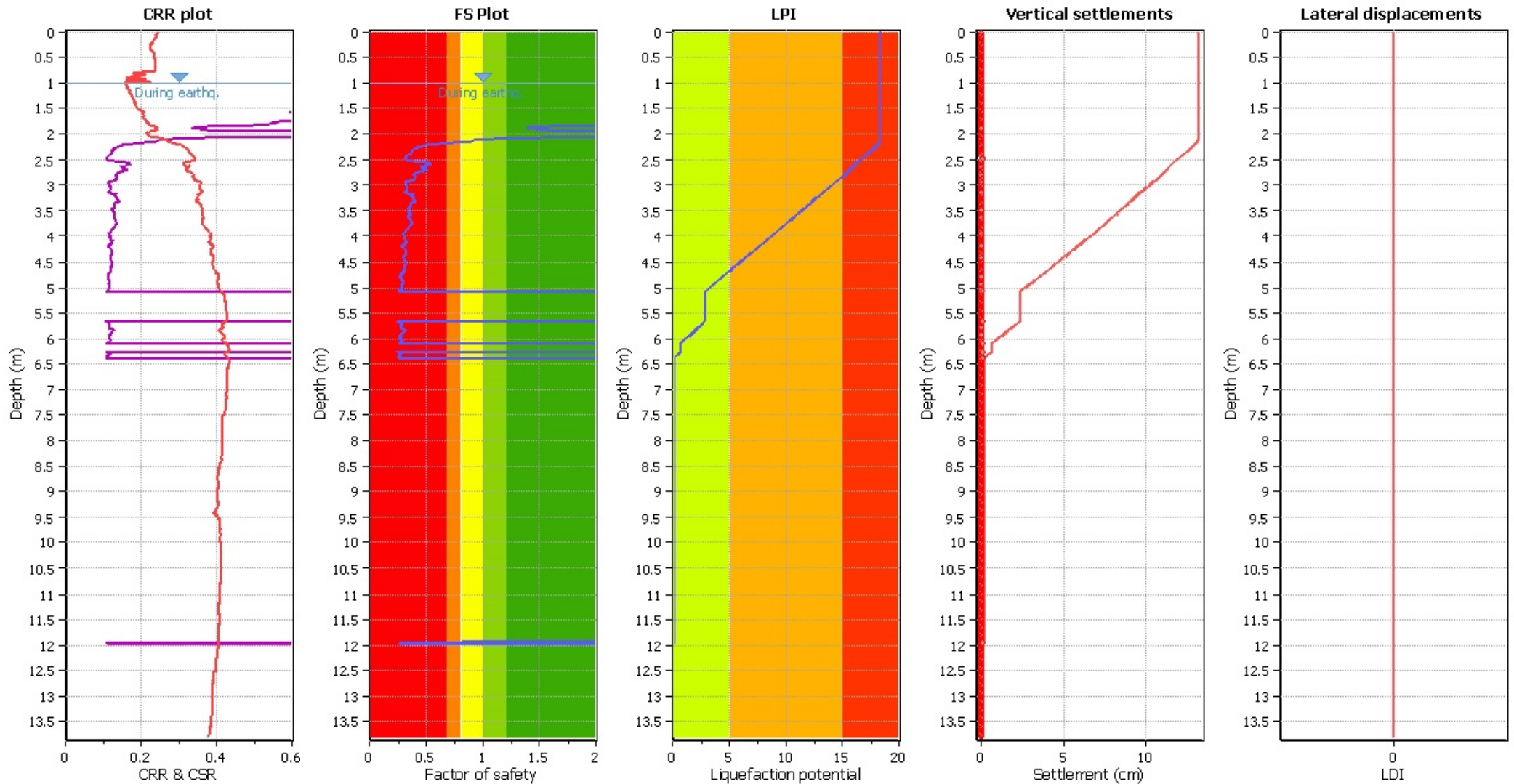
### Liquefaction analysis overall plots (intermediate resu



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>g</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

### Liquefaction analysis overall plot



**Input parameters and analysis data**

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_g$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

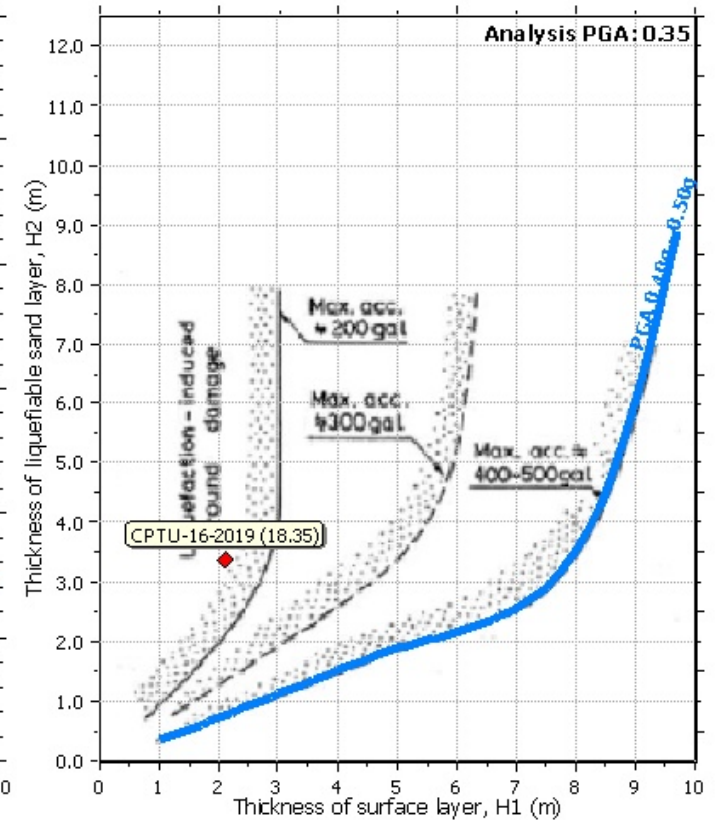
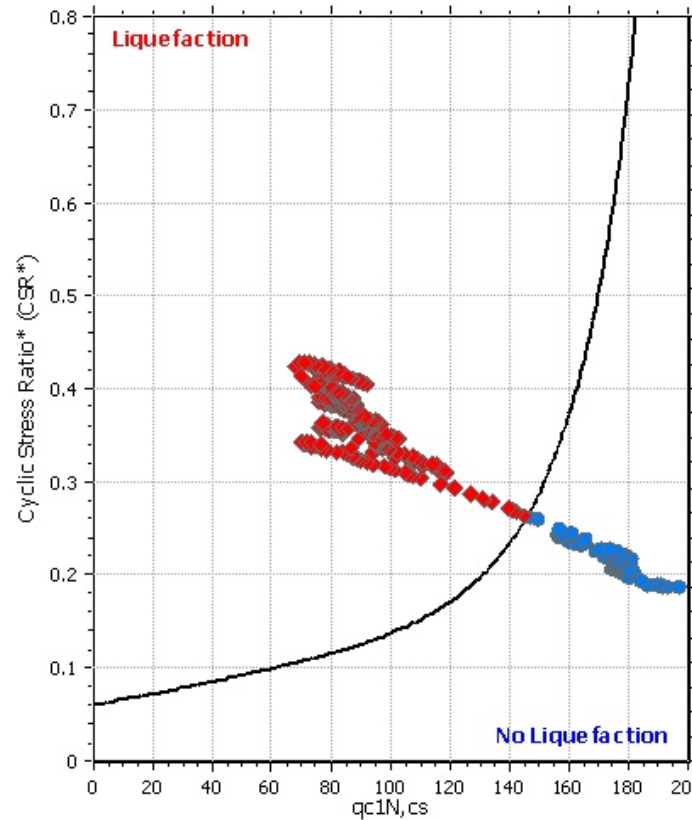
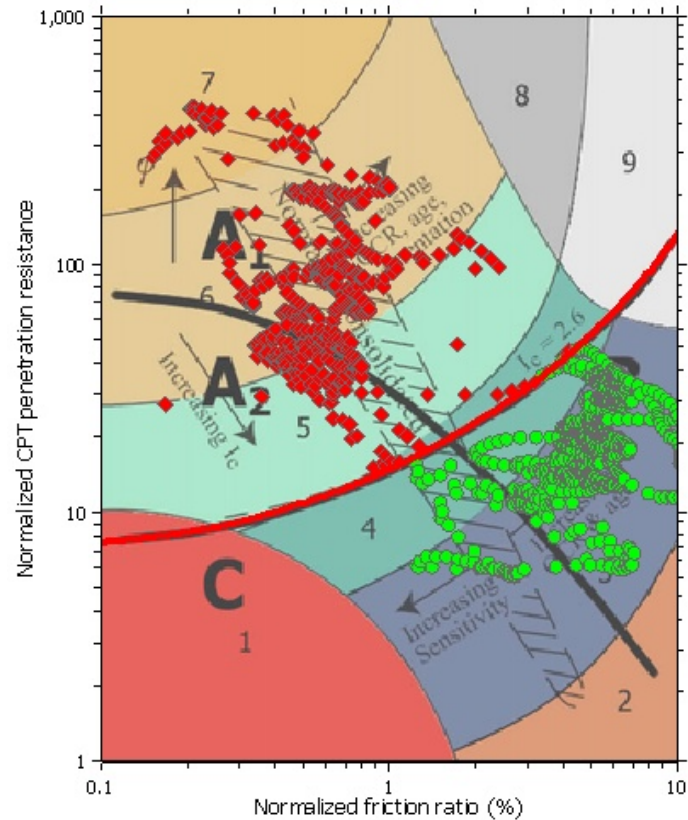
**F.S. color scheme**

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

**LPI color scheme**

- Very high risk
- High risk
- Low risk

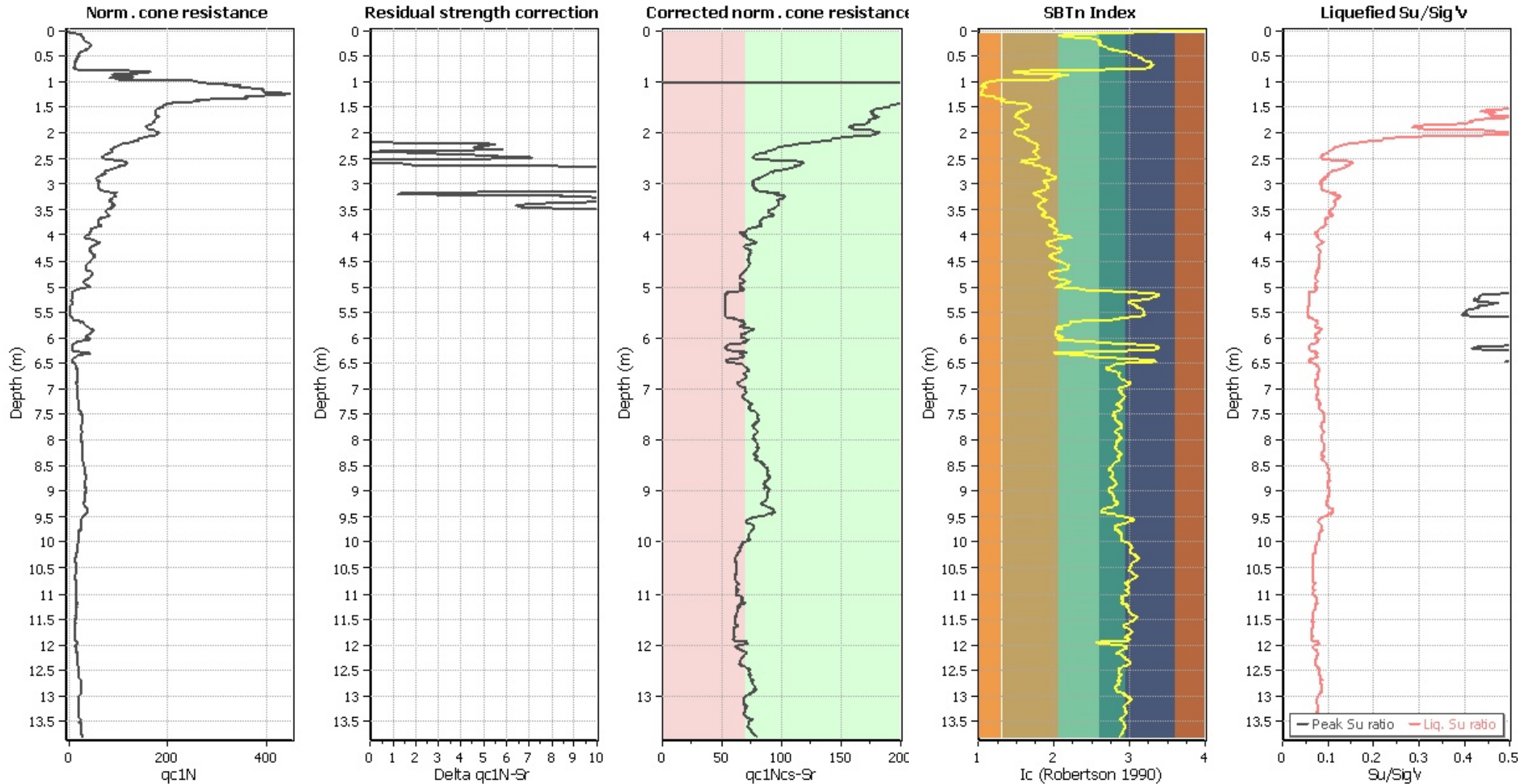
### Liquefaction analysis summary plo



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	$K_f$ applied:	Yes
Earthquake magnitude $M_w$ :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

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



#### Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K <sub>G</sub> applied:	Yes
Earthquake magnitude M <sub>w</sub> :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.35	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A



:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.01	2.00	0.00	9.99	0.01	0.00	0.02	2.00	0.00	9.99	0.01	0.00
0.03	2.00	0.00	9.99	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.98	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.97	0.01	0.00	0.08	2.00	0.00	9.96	0.01	0.00
0.09	2.00	0.00	9.96	0.01	0.00	0.10	2.00	0.00	9.95	0.01	0.00
0.11	2.00	0.00	9.95	0.01	0.00	0.12	2.00	0.00	9.94	0.01	0.00
0.13	2.00	0.00	9.94	0.01	0.00	0.14	2.00	0.00	9.93	0.01	0.00
0.15	2.00	0.00	9.93	0.01	0.00	0.16	2.00	0.00	9.92	0.01	0.00
0.17	2.00	0.00	9.91	0.01	0.00	0.18	2.00	0.00	9.91	0.01	0.00
0.19	2.00	0.00	9.91	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.90	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.89	0.01	0.00	0.24	2.00	0.00	9.88	0.01	0.00
0.25	2.00	0.00	9.88	0.01	0.00	0.26	2.00	0.00	9.87	0.01	0.00
0.27	2.00	0.00	9.87	0.01	0.00	0.28	2.00	0.00	9.86	0.01	0.00
0.29	2.00	0.00	9.86	0.01	0.00	0.30	2.00	0.00	9.85	0.01	0.00
0.31	2.00	0.00	9.85	0.01	0.00	0.32	2.00	0.00	9.84	0.01	0.00
0.33	2.00	0.00	9.84	0.01	0.00	0.34	2.00	0.00	9.83	0.01	0.00
0.35	2.00	0.00	9.82	0.01	0.00	0.36	2.00	0.00	9.82	0.01	0.00
0.37	2.00	0.00	9.82	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.81	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.80	0.01	0.00	0.42	2.00	0.00	9.79	0.01	0.00
0.43	2.00	0.00	9.79	0.01	0.00	0.44	2.00	0.00	9.78	0.01	0.00
0.45	2.00	0.00	9.78	0.01	0.00	0.46	2.00	0.00	9.77	0.01	0.00
0.47	2.00	0.00	9.77	0.01	0.00	0.48	2.00	0.00	9.76	0.01	0.00
0.49	2.00	0.00	9.76	0.01	0.00	0.50	2.00	0.00	9.75	0.01	0.00
0.51	2.00	0.00	9.74	0.01	0.00	0.52	2.00	0.00	9.74	0.01	0.00
0.53	2.00	0.00	9.74	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.73	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.72	0.01	0.00	0.58	2.00	0.00	9.71	0.01	0.00
0.59	2.00	0.00	9.71	0.01	0.00	0.60	2.00	0.00	9.70	0.01	0.00
0.61	2.00	0.00	9.70	0.01	0.00	0.62	2.00	0.00	9.69	0.01	0.00
0.63	2.00	0.00	9.69	0.01	0.00	0.64	2.00	0.00	9.68	0.01	0.00
0.65	2.00	0.00	9.68	0.01	0.00	0.66	2.00	0.00	9.67	0.01	0.00
0.67	2.00	0.00	9.66	0.01	0.00	0.68	2.00	0.00	9.66	0.01	0.00
0.69	2.00	0.00	9.66	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.65	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.64	0.01	0.00	0.74	2.00	0.00	9.63	0.01	0.00
0.75	2.00	0.00	9.63	0.01	0.00	0.76	2.00	0.00	9.62	0.01	0.00
0.77	2.00	0.00	9.62	0.01	0.00	0.78	2.00	0.00	9.61	0.01	0.00
0.79	2.00	0.00	9.61	0.01	0.00	0.80	2.00	0.00	9.60	0.01	0.00
0.81	2.00	0.00	9.60	0.01	0.00	0.82	2.00	0.00	9.59	0.01	0.00
0.83	2.00	0.00	9.59	0.01	0.00	0.84	2.00	0.00	9.58	0.01	0.00
0.85	2.00	0.00	9.57	0.01	0.00	0.86	2.00	0.00	9.57	0.01	0.00
0.87	2.00	0.00	9.57	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.56	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.55	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	2.00	0.00	9.54	0.01	0.00	0.94	2.00	0.00	9.53	0.01	0.00
0.95	2.00	0.00	9.53	0.01	0.00	0.96	2.00	0.00	9.52	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
0.97	2.00	0.00	9.52	0.01	0.00	0.98	2.00	0.00	9.51	0.01	0.00
0.99	2.00	0.00	9.51	0.01	0.00	1.00	2.00	0.00	9.50	0.01	0.00
1.01	2.00	0.00	9.49	0.01	0.00	1.02	2.00	0.00	9.49	0.01	0.00
1.03	2.00	0.00	9.49	0.01	0.00	1.04	2.00	0.00	9.48	0.01	0.00
1.05	2.00	0.00	9.48	0.01	0.00	1.06	2.00	0.00	9.47	0.01	0.00
1.07	2.00	0.00	9.47	0.01	0.00	1.08	2.00	0.00	9.46	0.01	0.00
1.09	2.00	0.00	9.46	0.01	0.00	1.10	2.00	0.00	9.45	0.01	0.00
1.11	2.00	0.00	9.45	0.01	0.00	1.12	2.00	0.00	9.44	0.01	0.00
1.13	2.00	0.00	9.44	0.01	0.00	1.14	2.00	0.00	9.43	0.01	0.00
1.15	2.00	0.00	9.43	0.01	0.00	1.16	2.00	0.00	9.42	0.01	0.00
1.17	2.00	0.00	9.41	0.01	0.00	1.18	2.00	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.41	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.40	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.39	0.01	0.00	1.24	2.00	0.00	9.38	0.01	0.00
1.25	2.00	0.00	9.38	0.01	0.00	1.26	2.00	0.00	9.37	0.01	0.00
1.27	2.00	0.00	9.37	0.01	0.00	1.28	2.00	0.00	9.36	0.01	0.00
1.29	2.00	0.00	9.36	0.01	0.00	1.30	2.00	0.00	9.35	0.01	0.00
1.31	2.00	0.00	9.35	0.01	0.00	1.32	2.00	0.00	9.34	0.01	0.00
1.33	2.00	0.00	9.34	0.01	0.00	1.34	2.00	0.00	9.33	0.01	0.00
1.35	2.00	0.00	9.32	0.01	0.00	1.36	2.00	0.00	9.32	0.01	0.00
1.37	2.00	0.00	9.32	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.31	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.30	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	2.00	0.00	9.29	0.01	0.00	1.44	2.00	0.00	9.28	0.01	0.00
1.45	2.00	0.00	9.28	0.01	0.00	1.46	2.00	0.00	9.27	0.01	0.00
1.47	2.00	0.00	9.27	0.01	0.00	1.48	2.00	0.00	9.26	0.01	0.00
1.49	2.00	0.00	9.26	0.01	0.00	1.50	2.00	0.00	9.25	0.01	0.00
1.51	2.00	0.00	9.24	0.01	0.00	1.52	2.00	0.00	9.24	0.01	0.00
1.53	2.00	0.00	9.24	0.01	0.00	1.54	2.00	0.00	9.23	0.01	0.00
1.55	2.00	0.00	9.23	0.01	0.00	1.56	2.00	0.00	9.22	0.01	0.00
1.57	2.00	0.00	9.22	0.01	0.00	1.58	2.00	0.00	9.21	0.01	0.00
1.59	2.00	0.00	9.21	0.01	0.00	1.60	2.00	0.00	9.20	0.01	0.00
1.61	2.00	0.00	9.20	0.01	0.00	1.62	2.00	0.00	9.19	0.01	0.00
1.63	2.00	0.00	9.19	0.01	0.00	1.64	2.00	0.00	9.18	0.01	0.00
1.65	2.00	0.00	9.18	0.01	0.00	1.66	2.00	0.00	9.17	0.01	0.00
1.67	2.00	0.00	9.16	0.01	0.00	1.68	2.00	0.00	9.16	0.01	0.00
1.69	2.00	0.00	9.16	0.01	0.00	1.70	2.00	0.00	9.15	0.01	0.00
1.71	2.00	0.00	9.15	0.01	0.00	1.72	2.00	0.00	9.14	0.01	0.00
1.73	2.00	0.00	9.14	0.01	0.00	1.74	2.00	0.00	9.13	0.01	0.00
1.75	2.00	0.00	9.13	0.01	0.00	1.76	2.00	0.00	9.12	0.01	0.00
1.77	2.00	0.00	9.12	0.01	0.00	1.78	2.00	0.00	9.11	0.01	0.00
1.79	2.00	0.00	9.11	0.01	0.00	1.80	2.00	0.00	9.10	0.01	0.00
1.81	2.00	0.00	9.10	0.01	0.00	1.82	2.00	0.00	9.09	0.01	0.00
1.83	1.82	0.00	9.09	0.01	0.00	1.84	1.66	0.00	9.08	0.01	0.00
1.85	1.57	0.00	9.07	0.01	0.00	1.86	1.48	0.00	9.07	0.01	0.00
1.87	1.42	0.00	9.07	0.01	0.00	1.88	1.38	0.00	9.06	0.01	0.00
1.89	1.43	0.00	9.06	0.01	0.00	1.90	1.53	0.00	9.05	0.01	0.00
1.91	1.52	0.00	9.05	0.01	0.00	1.92	1.48	0.00	9.04	0.01	0.00

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
1.93	1.89	0.00	9.04	0.01	0.00	1.94	2.00	0.00	9.03	0.01	0.00
1.95	2.00	0.00	9.03	0.01	0.00	1.96	2.00	0.00	9.02	0.01	0.00
1.97	2.00	0.00	9.02	0.01	0.00	1.98	2.00	0.00	9.01	0.01	0.00
1.99	2.00	0.00	9.01	0.01	0.00	2.00	2.00	0.00	9.00	0.01	0.00
2.01	2.00	0.00	8.99	0.01	0.00	2.02	2.00	0.00	8.99	0.01	0.00
2.03	2.00	0.00	8.99	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.98	0.01	0.00	2.06	1.86	0.00	8.97	0.01	0.00
2.07	1.59	0.00	8.97	0.01	0.00	2.08	1.38	0.00	8.96	0.01	0.00
2.09	1.11	0.00	8.96	0.01	0.00	2.10	1.03	0.00	8.95	0.01	0.00
2.11	0.98	0.02	8.95	0.01	0.00	2.12	0.92	0.08	8.94	0.01	0.01
2.13	0.89	0.11	8.94	0.01	0.01	2.14	0.85	0.15	8.93	0.01	0.01
2.15	0.76	0.24	8.93	0.01	0.02	2.16	0.72	0.28	8.92	0.01	0.02
2.17	0.71	0.29	8.91	0.01	0.03	2.18	0.65	0.35	8.91	0.01	0.03
2.19	0.60	0.40	8.91	0.01	0.04	2.20	0.55	0.45	8.90	0.01	0.04
2.21	0.50	0.50	8.90	0.01	0.04	2.22	0.48	0.52	8.89	0.01	0.05
2.23	0.47	0.53	8.89	0.01	0.05	2.24	0.46	0.54	8.88	0.01	0.05
2.25	0.44	0.56	8.88	0.01	0.05	2.26	0.44	0.56	8.87	0.01	0.05
2.27	0.43	0.57	8.87	0.01	0.05	2.28	0.41	0.59	8.86	0.01	0.05
2.29	0.40	0.60	8.86	0.01	0.05	2.30	0.39	0.61	8.85	0.01	0.05
2.31	0.38	0.62	8.85	0.01	0.05	2.32	0.38	0.62	8.84	0.01	0.06
2.33	0.37	0.63	8.84	0.01	0.06	2.34	0.38	0.62	8.83	0.01	0.06
2.35	0.38	0.62	8.82	0.01	0.05	2.36	0.38	0.62	8.82	0.01	0.06
2.37	0.38	0.62	8.82	0.01	0.06	2.38	0.37	0.63	8.81	0.01	0.06
2.39	0.36	0.64	8.81	0.01	0.06	2.40	0.35	0.65	8.80	0.01	0.06
2.41	0.34	0.66	8.80	0.01	0.06	2.42	0.34	0.66	8.79	0.01	0.06
2.43	0.33	0.67	8.79	0.01	0.06	2.44	0.33	0.67	8.78	0.01	0.06
2.45	0.32	0.68	8.78	0.01	0.06	2.46	0.32	0.68	8.77	0.01	0.06
2.47	0.32	0.68	8.77	0.01	0.06	2.48	0.31	0.69	8.76	0.01	0.06
2.49	0.32	0.68	8.76	0.01	0.06	2.50	0.32	0.68	8.75	0.01	0.06
2.51	0.33	0.67	8.74	0.01	0.06	2.52	0.36	0.64	8.74	0.01	0.06
2.53	0.39	0.61	8.74	0.01	0.05	2.54	0.43	0.57	8.73	0.01	0.05
2.55	0.48	0.52	8.73	0.01	0.05	2.56	0.52	0.48	8.72	0.01	0.04
2.57	0.54	0.46	8.72	0.01	0.04	2.58	0.53	0.47	8.71	0.01	0.04
2.59	0.54	0.46	8.71	0.01	0.04	2.60	0.54	0.46	8.70	0.01	0.04
2.61	0.51	0.49	8.70	0.01	0.04	2.62	0.50	0.50	8.69	0.01	0.04
2.63	0.48	0.52	8.69	0.01	0.05	2.64	0.45	0.55	8.68	0.01	0.05
2.65	0.46	0.54	8.68	0.01	0.05	2.66	0.47	0.53	8.67	0.01	0.05
2.67	0.46	0.54	8.66	0.01	0.05	2.68	0.48	0.52	8.66	0.01	0.05
2.69	0.50	0.50	8.66	0.01	0.04	2.70	0.51	0.49	8.65	0.01	0.04
2.71	0.51	0.49	8.65	0.01	0.04	2.72	0.50	0.50	8.64	0.01	0.04
2.73	0.46	0.54	8.64	0.01	0.05	2.74	0.45	0.55	8.63	0.01	0.05
2.75	0.44	0.56	8.63	0.01	0.05	2.76	0.42	0.58	8.62	0.01	0.05
2.77	0.41	0.59	8.62	0.01	0.05	2.78	0.40	0.60	8.61	0.01	0.05
2.79	0.39	0.61	8.61	0.01	0.05	2.80	0.40	0.60	8.60	0.01	0.05
2.81	0.40	0.60	8.60	0.01	0.05	2.82	0.40	0.60	8.59	0.01	0.05
2.83	0.41	0.59	8.59	0.01	0.05	2.84	0.40	0.60	8.58	0.01	0.05
2.85	0.40	0.60	8.57	0.01	0.05	2.86	0.40	0.60	8.57	0.01	0.05
2.87	0.39	0.61	8.57	0.01	0.05	2.88	0.39	0.61	8.56	0.01	0.05

## :: Liquefaction Potential Index calculation data :: (continued)

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
2.89	0.39	0.61	8.56	0.01	0.05	2.90	0.38	0.62	8.55	0.01	0.05
2.91	0.38	0.62	8.55	0.01	0.05	2.92	0.36	0.64	8.54	0.01	0.05
2.93	0.34	0.66	8.54	0.01	0.06	2.94	0.31	0.69	8.53	0.01	0.06
2.95	0.31	0.69	8.53	0.01	0.06	2.96	0.32	0.68	8.52	0.01	0.06
2.97	0.32	0.68	8.52	0.01	0.06	2.98	0.32	0.68	8.51	0.01	0.06
2.99	0.33	0.67	8.51	0.01	0.06	3.00	0.33	0.67	8.50	0.01	0.06
3.01	0.33	0.67	8.49	0.01	0.06	3.02	0.33	0.67	8.49	0.01	0.06
3.03	0.33	0.67	8.49	0.01	0.06	3.04	0.33	0.67	8.48	0.01	0.06
3.05	0.34	0.66	8.48	0.01	0.06	3.06	0.34	0.66	8.47	0.01	0.06
3.07	0.34	0.66	8.47	0.01	0.06	3.08	0.33	0.67	8.46	0.01	0.06
3.09	0.33	0.67	8.46	0.01	0.06	3.10	0.33	0.67	8.45	0.01	0.06
3.11	0.33	0.67	8.45	0.01	0.06	3.12	0.32	0.68	8.44	0.01	0.06
3.13	0.32	0.68	8.44	0.01	0.06	3.14	0.31	0.69	8.43	0.01	0.06
3.15	0.33	0.67	8.43	0.01	0.06	3.16	0.33	0.67	8.42	0.01	0.06
3.17	0.34	0.66	8.41	0.01	0.06	3.18	0.38	0.62	8.41	0.01	0.05
3.19	0.38	0.62	8.41	0.01	0.05	3.20	0.36	0.64	8.40	0.01	0.05
3.21	0.37	0.63	8.40	0.01	0.05	3.22	0.37	0.63	8.39	0.01	0.05
3.23	0.39	0.61	8.39	0.01	0.05	3.24	0.39	0.61	8.38	0.01	0.05
3.25	0.39	0.61	8.38	0.01	0.05	3.26	0.39	0.61	8.37	0.01	0.05
3.27	0.39	0.61	8.37	0.01	0.05	3.28	0.39	0.61	8.36	0.01	0.05
3.29	0.40	0.60	8.36	0.01	0.05	3.30	0.40	0.60	8.35	0.01	0.05
3.31	0.40	0.60	8.35	0.01	0.05	3.32	0.41	0.59	8.34	0.01	0.05
3.33	0.40	0.60	8.34	0.01	0.05	3.34	0.39	0.61	8.33	0.01	0.05
3.35	0.37	0.63	8.32	0.01	0.05	3.36	0.36	0.64	8.32	0.01	0.05
3.37	0.36	0.64	8.32	0.01	0.05	3.38	0.36	0.64	8.31	0.01	0.05
3.39	0.36	0.64	8.31	0.01	0.05	3.40	0.36	0.64	8.30	0.01	0.05
3.41	0.36	0.64	8.30	0.01	0.05	3.42	0.36	0.64	8.29	0.01	0.05
3.43	0.35	0.65	8.29	0.01	0.05	3.44	0.35	0.65	8.28	0.01	0.05
3.45	0.35	0.65	8.28	0.01	0.05	3.46	0.34	0.66	8.27	0.01	0.05
3.47	0.34	0.66	8.27	0.01	0.05	3.48	0.34	0.66	8.26	0.01	0.05
3.49	0.34	0.66	8.26	0.01	0.05	3.50	0.34	0.66	8.25	0.01	0.05
3.51	0.35	0.65	8.24	0.01	0.05	3.52	0.35	0.65	8.24	0.01	0.05
3.53	0.35	0.65	8.24	0.01	0.05	3.54	0.35	0.65	8.23	0.01	0.05
3.55	0.35	0.65	8.23	0.01	0.05	3.56	0.36	0.64	8.22	0.01	0.05
3.57	0.35	0.65	8.22	0.01	0.05	3.58	0.35	0.65	8.21	0.01	0.05
3.59	0.35	0.65	8.21	0.01	0.05	3.60	0.35	0.65	8.20	0.01	0.05
3.61	0.35	0.65	8.20	0.01	0.05	3.62	0.35	0.65	8.19	0.01	0.05
3.63	0.35	0.65	8.19	0.01	0.05	3.64	0.35	0.65	8.18	0.01	0.05
3.65	0.36	0.64	8.18	0.01	0.05	3.66	0.36	0.64	8.17	0.01	0.05
3.67	0.36	0.64	8.16	0.01	0.05	3.68	0.36	0.64	8.16	0.01	0.05
3.69	0.37	0.63	8.16	0.01	0.05	3.70	0.36	0.64	8.15	0.01	0.05
3.71	0.37	0.63	8.15	0.01	0.05	3.72	0.37	0.63	8.14	0.01	0.05
3.73	0.37	0.63	8.14	0.01	0.05	3.74	0.37	0.63	8.13	0.01	0.05
3.75	0.37	0.63	8.13	0.01	0.05	3.76	0.37	0.63	8.12	0.01	0.05
3.77	0.37	0.63	8.12	0.01	0.05	3.78	0.36	0.64	8.11	0.01	0.05
3.79	0.36	0.64	8.11	0.01	0.05	3.80	0.35	0.65	8.10	0.01	0.05
3.81	0.35	0.65	8.10	0.01	0.05	3.82	0.35	0.65	8.09	0.01	0.05
3.83	0.34	0.66	8.09	0.01	0.05	3.84	0.34	0.66	8.08	0.01	0.05

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
3.85	0.33	0.67	8.07	0.01	0.05	3.86	0.33	0.67	8.07	0.01	0.05
3.87	0.33	0.67	8.07	0.01	0.05	3.88	0.32	0.68	8.06	0.01	0.05
3.89	0.32	0.68	8.06	0.01	0.05	3.90	0.32	0.68	8.05	0.01	0.05
3.91	0.32	0.68	8.05	0.01	0.05	3.92	0.31	0.69	8.04	0.01	0.06
3.93	0.30	0.70	8.04	0.01	0.06	3.94	0.29	0.71	8.03	0.01	0.06
3.95	0.29	0.71	8.03	0.01	0.06	3.96	0.30	0.70	8.02	0.01	0.06
3.97	0.30	0.70	8.02	0.01	0.06	3.98	0.30	0.70	8.01	0.01	0.06
3.99	0.30	0.70	8.01	0.01	0.06	4.00	0.31	0.69	8.00	0.01	0.05
4.01	0.31	0.69	8.00	0.01	0.06	4.02	0.31	0.69	7.99	0.01	0.06
4.03	0.31	0.69	7.99	0.01	0.06	4.04	0.31	0.69	7.98	0.01	0.06
4.05	0.31	0.69	7.98	0.01	0.06	4.06	0.31	0.69	7.97	0.01	0.05
4.07	0.32	0.68	7.97	0.01	0.05	4.08	0.32	0.68	7.96	0.01	0.05
4.09	0.32	0.68	7.96	0.01	0.05	4.10	0.33	0.67	7.95	0.01	0.05
4.11	0.32	0.68	7.95	0.01	0.05	4.12	0.32	0.68	7.94	0.01	0.05
4.13	0.32	0.68	7.94	0.01	0.05	4.14	0.31	0.69	7.93	0.01	0.05
4.15	0.31	0.69	7.93	0.01	0.05	4.16	0.31	0.69	7.92	0.01	0.05
4.17	0.30	0.70	7.92	0.01	0.06	4.18	0.30	0.70	7.91	0.01	0.06
4.19	0.29	0.71	7.91	0.01	0.06	4.20	0.29	0.71	7.90	0.01	0.06
4.21	0.29	0.71	7.90	0.01	0.06	4.22	0.29	0.71	7.89	0.01	0.06
4.23	0.30	0.70	7.89	0.01	0.06	4.24	0.30	0.70	7.88	0.01	0.05
4.25	0.31	0.69	7.88	0.01	0.05	4.26	0.31	0.69	7.87	0.01	0.05
4.27	0.32	0.68	7.87	0.01	0.05	4.28	0.32	0.68	7.86	0.01	0.05
4.29	0.32	0.68	7.86	0.01	0.05	4.30	0.32	0.68	7.85	0.01	0.05
4.31	0.32	0.68	7.85	0.01	0.05	4.32	0.32	0.68	7.84	0.01	0.05
4.33	0.32	0.68	7.84	0.01	0.05	4.34	0.32	0.68	7.83	0.01	0.05
4.35	0.32	0.68	7.83	0.01	0.05	4.36	0.32	0.68	7.82	0.01	0.05
4.37	0.31	0.69	7.82	0.01	0.05	4.38	0.31	0.69	7.81	0.01	0.05
4.39	0.30	0.70	7.81	0.01	0.05	4.40	0.30	0.70	7.80	0.01	0.05
4.41	0.30	0.70	7.80	0.01	0.05	4.42	0.30	0.70	7.79	0.01	0.05
4.43	0.30	0.70	7.79	0.01	0.05	4.44	0.30	0.70	7.78	0.01	0.05
4.45	0.30	0.70	7.78	0.01	0.05	4.46	0.31	0.69	7.77	0.01	0.05
4.47	0.31	0.69	7.77	0.01	0.05	4.48	0.31	0.69	7.76	0.01	0.05
4.49	0.31	0.69	7.76	0.01	0.05	4.50	0.31	0.69	7.75	0.01	0.05
4.51	0.31	0.69	7.75	0.01	0.05	4.52	0.32	0.68	7.74	0.01	0.05
4.53	0.32	0.68	7.74	0.01	0.05	4.54	0.31	0.69	7.73	0.01	0.05
4.55	0.32	0.68	7.73	0.01	0.05	4.56	0.31	0.69	7.72	0.01	0.05
4.57	0.31	0.69	7.72	0.01	0.05	4.58	0.31	0.69	7.71	0.01	0.05
4.59	0.31	0.69	7.71	0.01	0.05	4.60	0.31	0.69	7.70	0.01	0.05
4.61	0.31	0.69	7.70	0.01	0.05	4.62	0.31	0.69	7.69	0.01	0.05
4.63	0.30	0.70	7.69	0.01	0.05	4.64	0.30	0.70	7.68	0.01	0.05
4.65	0.30	0.70	7.68	0.01	0.05	4.66	0.30	0.70	7.67	0.01	0.05
4.67	0.30	0.70	7.67	0.01	0.05	4.68	0.30	0.70	7.66	0.01	0.05
4.69	0.30	0.70	7.66	0.01	0.05	4.70	0.30	0.70	7.65	0.01	0.05
4.71	0.29	0.71	7.65	0.01	0.05	4.72	0.29	0.71	7.64	0.01	0.05
4.73	0.28	0.72	7.64	0.01	0.05	4.74	0.28	0.72	7.63	0.01	0.06
4.75	0.28	0.72	7.63	0.01	0.06	4.76	0.27	0.73	7.62	0.01	0.06
4.77	0.27	0.73	7.62	0.01	0.06	4.78	0.27	0.73	7.61	0.01	0.06
4.79	0.27	0.73	7.61	0.01	0.06	4.80	0.27	0.73	7.60	0.01	0.06

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
4.81	0.27	0.73	7.60	0.01	0.06	4.82	0.28	0.72	7.59	0.01	0.05
4.83	0.28	0.72	7.59	0.01	0.05	4.84	0.28	0.72	7.58	0.01	0.05
4.85	0.29	0.71	7.58	0.01	0.05	4.86	0.29	0.71	7.57	0.01	0.05
4.87	0.29	0.71	7.57	0.01	0.05	4.88	0.29	0.71	7.56	0.01	0.05
4.89	0.29	0.71	7.56	0.01	0.05	4.90	0.29	0.71	7.55	0.01	0.05
4.91	0.29	0.71	7.55	0.01	0.05	4.92	0.29	0.71	7.54	0.01	0.05
4.93	0.28	0.72	7.54	0.01	0.05	4.94	0.28	0.72	7.53	0.01	0.05
4.95	0.28	0.72	7.53	0.01	0.05	4.96	0.28	0.72	7.52	0.01	0.05
4.97	0.29	0.71	7.52	0.01	0.05	4.98	0.28	0.72	7.51	0.01	0.05
4.99	0.28	0.72	7.51	0.01	0.05	5.00	0.29	0.71	7.50	0.01	0.05
5.01	0.28	0.72	7.50	0.01	0.05	5.02	0.29	0.71	7.49	0.01	0.05
5.03	0.28	0.72	7.49	0.01	0.05	5.04	0.28	0.72	7.48	0.01	0.05
5.05	0.27	0.73	7.48	0.01	0.05	5.06	0.26	0.74	7.47	0.01	0.06
5.07	0.26	0.74	7.47	0.01	0.06	5.08	2.00	0.00	7.46	0.01	0.00
5.09	2.00	0.00	7.46	0.01	0.00	5.10	2.00	0.00	7.45	0.01	0.00
5.11	2.00	0.00	7.45	0.01	0.00	5.12	2.00	0.00	7.44	0.01	0.00
5.13	2.00	0.00	7.44	0.01	0.00	5.14	2.00	0.00	7.43	0.01	0.00
5.15	2.00	0.00	7.43	0.01	0.00	5.16	2.00	0.00	7.42	0.01	0.00
5.17	2.00	0.00	7.42	0.01	0.00	5.18	2.00	0.00	7.41	0.01	0.00
5.19	2.00	0.00	7.41	0.01	0.00	5.20	2.00	0.00	7.40	0.01	0.00
5.21	2.00	0.00	7.40	0.01	0.00	5.22	2.00	0.00	7.39	0.01	0.00
5.23	2.00	0.00	7.39	0.01	0.00	5.24	2.00	0.00	7.38	0.01	0.00
5.25	2.00	0.00	7.38	0.01	0.00	5.26	2.00	0.00	7.37	0.01	0.00
5.27	2.00	0.00	7.37	0.01	0.00	5.28	2.00	0.00	7.36	0.01	0.00
5.29	2.00	0.00	7.36	0.01	0.00	5.30	2.00	0.00	7.35	0.01	0.00
5.31	2.00	0.00	7.35	0.01	0.00	5.32	2.00	0.00	7.34	0.01	0.00
5.33	2.00	0.00	7.34	0.01	0.00	5.34	2.00	0.00	7.33	0.01	0.00
5.35	2.00	0.00	7.33	0.01	0.00	5.36	2.00	0.00	7.32	0.01	0.00
5.37	2.00	0.00	7.32	0.01	0.00	5.38	2.00	0.00	7.31	0.01	0.00
5.39	2.00	0.00	7.31	0.01	0.00	5.40	2.00	0.00	7.30	0.01	0.00
5.41	2.00	0.00	7.30	0.01	0.00	5.42	2.00	0.00	7.29	0.01	0.00
5.43	2.00	0.00	7.29	0.01	0.00	5.44	2.00	0.00	7.28	0.01	0.00
5.45	2.00	0.00	7.28	0.01	0.00	5.46	2.00	0.00	7.27	0.01	0.00
5.47	2.00	0.00	7.27	0.01	0.00	5.48	2.00	0.00	7.26	0.01	0.00
5.49	2.00	0.00	7.26	0.01	0.00	5.50	2.00	0.00	7.25	0.01	0.00
5.51	2.00	0.00	7.25	0.01	0.00	5.52	2.00	0.00	7.24	0.01	0.00
5.53	2.00	0.00	7.24	0.01	0.00	5.54	2.00	0.00	7.23	0.01	0.00
5.55	2.00	0.00	7.23	0.01	0.00	5.56	2.00	0.00	7.22	0.01	0.00
5.57	2.00	0.00	7.22	0.01	0.00	5.58	2.00	0.00	7.21	0.01	0.00
5.59	2.00	0.00	7.21	0.01	0.00	5.60	2.00	0.00	7.20	0.01	0.00
5.61	2.00	0.00	7.20	0.01	0.00	5.62	2.00	0.00	7.19	0.01	0.00
5.63	2.00	0.00	7.19	0.01	0.00	5.64	2.00	0.00	7.18	0.01	0.00
5.65	2.00	0.00	7.18	0.01	0.00	5.66	2.00	0.00	7.17	0.01	0.00
5.67	0.25	0.75	7.17	0.01	0.05	5.68	0.27	0.73	7.16	0.01	0.05
5.69	0.27	0.73	7.16	0.01	0.05	5.70	0.28	0.72	7.15	0.01	0.05
5.71	0.28	0.72	7.15	0.01	0.05	5.72	0.28	0.72	7.14	0.01	0.05
5.73	0.28	0.72	7.14	0.01	0.05	5.74	0.28	0.72	7.13	0.01	0.05
5.75	0.28	0.72	7.13	0.01	0.05	5.76	0.27	0.73	7.12	0.01	0.05

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
5.77	0.28	0.72	7.12	0.01	0.05	5.78	0.27	0.73	7.11	0.01	0.05
5.79	0.27	0.73	7.11	0.01	0.05	5.80	0.28	0.72	7.10	0.01	0.05
5.81	0.29	0.71	7.10	0.01	0.05	5.82	0.30	0.70	7.09	0.01	0.05
5.83	0.31	0.69	7.09	0.01	0.05	5.84	0.32	0.68	7.08	0.01	0.05
5.85	0.31	0.69	7.08	0.01	0.05	5.86	0.31	0.69	7.07	0.01	0.05
5.87	0.30	0.70	7.07	0.01	0.05	5.88	0.30	0.70	7.06	0.01	0.05
5.89	0.29	0.71	7.06	0.01	0.05	5.90	0.29	0.71	7.05	0.01	0.05
5.91	0.29	0.71	7.05	0.01	0.05	5.92	0.28	0.72	7.04	0.01	0.05
5.93	0.27	0.73	7.04	0.01	0.05	5.94	0.27	0.73	7.03	0.01	0.05
5.95	0.28	0.72	7.03	0.01	0.05	5.96	0.27	0.73	7.02	0.01	0.05
5.97	0.27	0.73	7.02	0.01	0.05	5.98	0.27	0.73	7.01	0.01	0.05
5.99	0.28	0.72	7.01	0.01	0.05	6.00	0.27	0.73	7.00	0.01	0.05
6.01	0.28	0.72	7.00	0.01	0.05	6.02	0.28	0.72	6.99	0.01	0.05
6.03	0.29	0.71	6.99	0.01	0.05	6.04	0.29	0.71	6.98	0.01	0.05
6.05	0.29	0.71	6.98	0.01	0.05	6.06	0.27	0.73	6.97	0.01	0.05
6.07	0.27	0.73	6.97	0.01	0.05	6.08	0.26	0.74	6.96	0.01	0.05
6.09	0.26	0.74	6.96	0.01	0.05	6.10	2.00	0.00	6.95	0.01	0.00
6.11	2.00	0.00	6.95	0.01	0.00	6.12	2.00	0.00	6.94	0.01	0.00
6.13	2.00	0.00	6.94	0.01	0.00	6.14	2.00	0.00	6.93	0.01	0.00
6.15	2.00	0.00	6.93	0.01	0.00	6.16	2.00	0.00	6.92	0.01	0.00
6.17	2.00	0.00	6.92	0.01	0.00	6.18	2.00	0.00	6.91	0.01	0.00
6.19	2.00	0.00	6.91	0.01	0.00	6.20	2.00	0.00	6.90	0.01	0.00
6.21	2.00	0.00	6.90	0.01	0.00	6.22	2.00	0.00	6.89	0.01	0.00
6.23	2.00	0.00	6.89	0.01	0.00	6.24	2.00	0.00	6.88	0.01	0.00
6.25	2.00	0.00	6.88	0.01	0.00	6.26	2.00	0.00	6.87	0.01	0.00
6.27	0.25	0.75	6.87	0.01	0.05	6.28	0.28	0.72	6.86	0.01	0.05
6.29	0.27	0.73	6.86	0.01	0.05	6.30	0.27	0.73	6.85	0.01	0.05
6.31	0.28	0.72	6.85	0.01	0.05	6.32	0.27	0.73	6.84	0.01	0.05
6.33	0.27	0.73	6.84	0.01	0.05	6.34	0.27	0.73	6.83	0.01	0.05
6.35	0.26	0.74	6.83	0.01	0.05	6.36	0.26	0.74	6.82	0.01	0.05
6.37	0.25	0.75	6.82	0.01	0.05	6.38	2.00	0.00	6.81	0.01	0.00
6.39	2.00	0.00	6.81	0.01	0.00	6.40	2.00	0.00	6.80	0.01	0.00
6.41	2.00	0.00	6.80	0.01	0.00	6.42	2.00	0.00	6.79	0.01	0.00
6.43	2.00	0.00	6.79	0.01	0.00	6.44	2.00	0.00	6.78	0.01	0.00
6.45	2.00	0.00	6.78	0.01	0.00	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.77	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	2.00	0.00	6.76	0.01	0.00	6.50	2.00	0.00	6.75	0.01	0.00
6.51	2.00	0.00	6.75	0.01	0.00	6.52	2.00	0.00	6.74	0.01	0.00
6.53	2.00	0.00	6.74	0.01	0.00	6.54	2.00	0.00	6.73	0.01	0.00
6.55	2.00	0.00	6.73	0.01	0.00	6.56	2.00	0.00	6.72	0.01	0.00
6.57	2.00	0.00	6.72	0.01	0.00	6.58	2.00	0.00	6.71	0.01	0.00
6.59	2.00	0.00	6.71	0.01	0.00	6.60	2.00	0.00	6.70	0.01	0.00
6.61	2.00	0.00	6.70	0.01	0.00	6.62	2.00	0.00	6.69	0.01	0.00
6.63	2.00	0.00	6.69	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.68	0.01	0.00	6.66	2.00	0.00	6.67	0.01	0.00
6.67	2.00	0.00	6.67	0.01	0.00	6.68	2.00	0.00	6.66	0.01	0.00
6.69	2.00	0.00	6.66	0.01	0.00	6.70	2.00	0.00	6.65	0.01	0.00
6.71	2.00	0.00	6.65	0.01	0.00	6.72	2.00	0.00	6.64	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
6.73	2.00	0.00	6.64	0.01	0.00	6.74	2.00	0.00	6.63	0.01	0.00
6.75	2.00	0.00	6.63	0.01	0.00	6.76	2.00	0.00	6.62	0.01	0.00
6.77	2.00	0.00	6.62	0.01	0.00	6.78	2.00	0.00	6.61	0.01	0.00
6.79	2.00	0.00	6.61	0.01	0.00	6.80	2.00	0.00	6.60	0.01	0.00
6.81	2.00	0.00	6.60	0.01	0.00	6.82	2.00	0.00	6.59	0.01	0.00
6.83	2.00	0.00	6.59	0.01	0.00	6.84	2.00	0.00	6.58	0.01	0.00
6.85	2.00	0.00	6.58	0.01	0.00	6.86	2.00	0.00	6.57	0.01	0.00
6.87	2.00	0.00	6.57	0.01	0.00	6.88	2.00	0.00	6.56	0.01	0.00
6.89	2.00	0.00	6.56	0.01	0.00	6.90	2.00	0.00	6.55	0.01	0.00
6.91	2.00	0.00	6.55	0.01	0.00	6.92	2.00	0.00	6.54	0.01	0.00
6.93	2.00	0.00	6.54	0.01	0.00	6.94	2.00	0.00	6.53	0.01	0.00
6.95	2.00	0.00	6.53	0.01	0.00	6.96	2.00	0.00	6.52	0.01	0.00
6.97	2.00	0.00	6.52	0.01	0.00	6.98	2.00	0.00	6.51	0.01	0.00
6.99	2.00	0.00	6.51	0.01	0.00	7.00	2.00	0.00	6.50	0.01	0.00
7.01	2.00	0.00	6.50	0.01	0.00	7.02	2.00	0.00	6.49	0.01	0.00
7.03	2.00	0.00	6.49	0.01	0.00	7.04	2.00	0.00	6.48	0.01	0.00
7.05	2.00	0.00	6.48	0.01	0.00	7.06	2.00	0.00	6.47	0.01	0.00
7.07	2.00	0.00	6.47	0.01	0.00	7.08	2.00	0.00	6.46	0.01	0.00
7.09	2.00	0.00	6.46	0.01	0.00	7.10	2.00	0.00	6.45	0.01	0.00
7.11	2.00	0.00	6.45	0.01	0.00	7.12	2.00	0.00	6.44	0.01	0.00
7.13	2.00	0.00	6.44	0.01	0.00	7.14	2.00	0.00	6.43	0.01	0.00
7.15	2.00	0.00	6.43	0.01	0.00	7.16	2.00	0.00	6.42	0.01	0.00
7.17	2.00	0.00	6.42	0.01	0.00	7.18	2.00	0.00	6.41	0.01	0.00
7.19	2.00	0.00	6.41	0.01	0.00	7.20	2.00	0.00	6.40	0.01	0.00
7.21	2.00	0.00	6.40	0.01	0.00	7.22	2.00	0.00	6.39	0.01	0.00
7.23	2.00	0.00	6.39	0.01	0.00	7.24	2.00	0.00	6.38	0.01	0.00
7.25	2.00	0.00	6.38	0.01	0.00	7.26	2.00	0.00	6.37	0.01	0.00
7.27	2.00	0.00	6.37	0.01	0.00	7.28	2.00	0.00	6.36	0.01	0.00
7.29	2.00	0.00	6.36	0.01	0.00	7.30	2.00	0.00	6.35	0.01	0.00
7.31	2.00	0.00	6.35	0.01	0.00	7.32	2.00	0.00	6.34	0.01	0.00
7.33	2.00	0.00	6.34	0.01	0.00	7.34	2.00	0.00	6.33	0.01	0.00
7.35	2.00	0.00	6.33	0.01	0.00	7.36	2.00	0.00	6.32	0.01	0.00
7.37	2.00	0.00	6.32	0.01	0.00	7.38	2.00	0.00	6.31	0.01	0.00
7.39	2.00	0.00	6.31	0.01	0.00	7.40	2.00	0.00	6.30	0.01	0.00
7.41	2.00	0.00	6.30	0.01	0.00	7.42	2.00	0.00	6.29	0.01	0.00
7.43	2.00	0.00	6.29	0.01	0.00	7.44	2.00	0.00	6.28	0.01	0.00
7.45	2.00	0.00	6.28	0.01	0.00	7.46	2.00	0.00	6.27	0.01	0.00
7.47	2.00	0.00	6.27	0.01	0.00	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.26	0.01	0.00	7.50	2.00	0.00	6.25	0.01	0.00
7.51	2.00	0.00	6.25	0.01	0.00	7.52	2.00	0.00	6.24	0.01	0.00
7.53	2.00	0.00	6.24	0.01	0.00	7.54	2.00	0.00	6.23	0.01	0.00
7.55	2.00	0.00	6.23	0.01	0.00	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.22	0.01	0.00	7.58	2.00	0.00	6.21	0.01	0.00
7.59	2.00	0.00	6.21	0.01	0.00	7.60	2.00	0.00	6.20	0.01	0.00
7.61	2.00	0.00	6.20	0.01	0.00	7.62	2.00	0.00	6.19	0.01	0.00
7.63	2.00	0.00	6.19	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.18	0.01	0.00	7.66	2.00	0.00	6.17	0.01	0.00
7.67	2.00	0.00	6.17	0.01	0.00	7.68	2.00	0.00	6.16	0.01	0.00



**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
7.69	2.00	0.00	6.16	0.01	0.00	7.70	2.00	0.00	6.15	0.01	0.00
7.71	2.00	0.00	6.15	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.14	0.01	0.00	7.74	2.00	0.00	6.13	0.01	0.00
7.75	2.00	0.00	6.13	0.01	0.00	7.76	2.00	0.00	6.12	0.01	0.00
7.77	2.00	0.00	6.12	0.01	0.00	7.78	2.00	0.00	6.11	0.01	0.00
7.79	2.00	0.00	6.11	0.01	0.00	7.80	2.00	0.00	6.10	0.01	0.00
7.81	2.00	0.00	6.10	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.09	0.01	0.00	7.84	2.00	0.00	6.08	0.01	0.00
7.85	2.00	0.00	6.08	0.01	0.00	7.86	2.00	0.00	6.07	0.01	0.00
7.87	2.00	0.00	6.07	0.01	0.00	7.88	2.00	0.00	6.06	0.01	0.00
7.89	2.00	0.00	6.06	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.05	0.01	0.00	7.92	2.00	0.00	6.04	0.01	0.00
7.93	2.00	0.00	6.04	0.01	0.00	7.94	2.00	0.00	6.03	0.01	0.00
7.95	2.00	0.00	6.03	0.01	0.00	7.96	2.00	0.00	6.02	0.01	0.00
7.97	2.00	0.00	6.02	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.01	0.01	0.00	8.00	2.00	0.00	6.00	0.01	0.00
8.01	2.00	0.00	6.00	0.01	0.00	8.02	2.00	0.00	5.99	0.01	0.00
8.03	2.00	0.00	5.99	0.01	0.00	8.04	2.00	0.00	5.98	0.01	0.00
8.05	2.00	0.00	5.98	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.97	0.01	0.00	8.08	2.00	0.00	5.96	0.01	0.00
8.09	2.00	0.00	5.96	0.01	0.00	8.10	2.00	0.00	5.95	0.01	0.00
8.11	2.00	0.00	5.95	0.01	0.00	8.12	2.00	0.00	5.94	0.01	0.00
8.13	2.00	0.00	5.94	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.93	0.01	0.00	8.16	2.00	0.00	5.92	0.01	0.00
8.17	2.00	0.00	5.92	0.01	0.00	8.18	2.00	0.00	5.91	0.01	0.00
8.19	2.00	0.00	5.91	0.01	0.00	8.20	2.00	0.00	5.90	0.01	0.00
8.21	2.00	0.00	5.90	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.89	0.01	0.00	8.24	2.00	0.00	5.88	0.01	0.00
8.25	2.00	0.00	5.88	0.01	0.00	8.26	2.00	0.00	5.87	0.01	0.00
8.27	2.00	0.00	5.87	0.01	0.00	8.28	2.00	0.00	5.86	0.01	0.00
8.29	2.00	0.00	5.86	0.01	0.00	8.30	2.00	0.00	5.85	0.01	0.00
8.31	2.00	0.00	5.85	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.84	0.01	0.00	8.34	2.00	0.00	5.83	0.01	0.00
8.35	2.00	0.00	5.83	0.01	0.00	8.36	2.00	0.00	5.82	0.01	0.00
8.37	2.00	0.00	5.82	0.01	0.00	8.38	2.00	0.00	5.81	0.01	0.00
8.39	2.00	0.00	5.81	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.80	0.01	0.00	8.42	2.00	0.00	5.79	0.01	0.00
8.43	2.00	0.00	5.79	0.01	0.00	8.44	2.00	0.00	5.78	0.01	0.00
8.45	2.00	0.00	5.78	0.01	0.00	8.46	2.00	0.00	5.77	0.01	0.00
8.47	2.00	0.00	5.77	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.76	0.01	0.00	8.50	2.00	0.00	5.75	0.01	0.00
8.51	2.00	0.00	5.75	0.01	0.00	8.52	2.00	0.00	5.74	0.01	0.00
8.53	2.00	0.00	5.74	0.01	0.00	8.54	2.00	0.00	5.73	0.01	0.00
8.55	2.00	0.00	5.72	0.01	0.00	8.56	2.00	0.00	5.72	0.01	0.00
8.57	2.00	0.00	5.72	0.01	0.00	8.58	2.00	0.00	5.71	0.01	0.00
8.59	2.00	0.00	5.71	0.01	0.00	8.60	2.00	0.00	5.70	0.01	0.00
8.61	2.00	0.00	5.70	0.01	0.00	8.62	2.00	0.00	5.69	0.01	0.00
8.63	2.00	0.00	5.68	0.01	0.00	8.64	2.00	0.00	5.68	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
8.65	2.00	0.00	5.68	0.01	0.00	8.66	2.00	0.00	5.67	0.01	0.00
8.67	2.00	0.00	5.67	0.01	0.00	8.68	2.00	0.00	5.66	0.01	0.00
8.69	2.00	0.00	5.66	0.01	0.00	8.70	2.00	0.00	5.65	0.01	0.00
8.71	2.00	0.00	5.64	0.01	0.00	8.72	2.00	0.00	5.64	0.01	0.00
8.73	2.00	0.00	5.64	0.01	0.00	8.74	2.00	0.00	5.63	0.01	0.00
8.75	2.00	0.00	5.63	0.01	0.00	8.76	2.00	0.00	5.62	0.01	0.00
8.77	2.00	0.00	5.62	0.01	0.00	8.78	2.00	0.00	5.61	0.01	0.00
8.79	2.00	0.00	5.61	0.01	0.00	8.80	2.00	0.00	5.60	0.01	0.00
8.81	2.00	0.00	5.60	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.59	0.01	0.00	8.84	2.00	0.00	5.58	0.01	0.00
8.85	2.00	0.00	5.58	0.01	0.00	8.86	2.00	0.00	5.57	0.01	0.00
8.87	2.00	0.00	5.57	0.01	0.00	8.88	2.00	0.00	5.56	0.01	0.00
8.89	2.00	0.00	5.56	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.55	0.01	0.00	8.92	2.00	0.00	5.54	0.01	0.00
8.93	2.00	0.00	5.54	0.01	0.00	8.94	2.00	0.00	5.53	0.01	0.00
8.95	2.00	0.00	5.53	0.01	0.00	8.96	2.00	0.00	5.52	0.01	0.00
8.97	2.00	0.00	5.52	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.51	0.01	0.00	9.00	2.00	0.00	5.50	0.01	0.00
9.01	2.00	0.00	5.50	0.01	0.00	9.02	2.00	0.00	5.49	0.01	0.00
9.03	2.00	0.00	5.49	0.01	0.00	9.04	2.00	0.00	5.48	0.01	0.00
9.05	2.00	0.00	5.47	0.01	0.00	9.06	2.00	0.00	5.47	0.01	0.00
9.07	2.00	0.00	5.47	0.01	0.00	9.08	2.00	0.00	5.46	0.01	0.00
9.09	2.00	0.00	5.46	0.01	0.00	9.10	2.00	0.00	5.45	0.01	0.00
9.11	2.00	0.00	5.45	0.01	0.00	9.12	2.00	0.00	5.44	0.01	0.00
9.13	2.00	0.00	5.43	0.01	0.00	9.14	2.00	0.00	5.43	0.01	0.00
9.15	2.00	0.00	5.43	0.01	0.00	9.16	2.00	0.00	5.42	0.01	0.00
9.17	2.00	0.00	5.42	0.01	0.00	9.18	2.00	0.00	5.41	0.01	0.00
9.19	2.00	0.00	5.41	0.01	0.00	9.20	2.00	0.00	5.40	0.01	0.00
9.21	2.00	0.00	5.39	0.01	0.00	9.22	2.00	0.00	5.39	0.01	0.00
9.23	2.00	0.00	5.39	0.01	0.00	9.24	2.00	0.00	5.38	0.01	0.00
9.25	2.00	0.00	5.38	0.01	0.00	9.26	2.00	0.00	5.37	0.01	0.00
9.27	2.00	0.00	5.37	0.01	0.00	9.28	2.00	0.00	5.36	0.01	0.00
9.29	2.00	0.00	5.36	0.01	0.00	9.30	2.00	0.00	5.35	0.01	0.00
9.31	2.00	0.00	5.35	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.34	0.01	0.00	9.34	2.00	0.00	5.33	0.01	0.00
9.35	2.00	0.00	5.33	0.01	0.00	9.36	2.00	0.00	5.32	0.01	0.00
9.37	2.00	0.00	5.32	0.01	0.00	9.38	2.00	0.00	5.31	0.01	0.00
9.39	2.00	0.00	5.31	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.30	0.01	0.00	9.42	2.00	0.00	5.29	0.01	0.00
9.43	2.00	0.00	5.29	0.01	0.00	9.44	2.00	0.00	5.28	0.01	0.00
9.45	2.00	0.00	5.28	0.01	0.00	9.46	2.00	0.00	5.27	0.01	0.00
9.47	2.00	0.00	5.27	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.26	0.01	0.00	9.50	2.00	0.00	5.25	0.01	0.00
9.51	2.00	0.00	5.25	0.01	0.00	9.52	2.00	0.00	5.24	0.01	0.00
9.53	2.00	0.00	5.24	0.01	0.00	9.54	2.00	0.00	5.23	0.01	0.00
9.55	2.00	0.00	5.22	0.01	0.00	9.56	2.00	0.00	5.22	0.01	0.00
9.57	2.00	0.00	5.22	0.01	0.00	9.58	2.00	0.00	5.21	0.01	0.00
9.59	2.00	0.00	5.21	0.01	0.00	9.60	2.00	0.00	5.20	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
9.61	2.00	0.00	5.20	0.01	0.00	9.62	2.00	0.00	5.19	0.01	0.00
9.63	2.00	0.00	5.18	0.01	0.00	9.64	2.00	0.00	5.18	0.01	0.00
9.65	2.00	0.00	5.18	0.01	0.00	9.66	2.00	0.00	5.17	0.01	0.00
9.67	2.00	0.00	5.17	0.01	0.00	9.68	2.00	0.00	5.16	0.01	0.00
9.69	2.00	0.00	5.16	0.01	0.00	9.70	2.00	0.00	5.15	0.01	0.00
9.71	2.00	0.00	5.14	0.01	0.00	9.72	2.00	0.00	5.14	0.01	0.00
9.73	2.00	0.00	5.14	0.01	0.00	9.74	2.00	0.00	5.13	0.01	0.00
9.75	2.00	0.00	5.13	0.01	0.00	9.76	2.00	0.00	5.12	0.01	0.00
9.77	2.00	0.00	5.12	0.01	0.00	9.78	2.00	0.00	5.11	0.01	0.00
9.79	2.00	0.00	5.11	0.01	0.00	9.80	2.00	0.00	5.10	0.01	0.00
9.81	2.00	0.00	5.10	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.09	0.01	0.00	9.84	2.00	0.00	5.08	0.01	0.00
9.85	2.00	0.00	5.08	0.01	0.00	9.86	2.00	0.00	5.07	0.01	0.00
9.87	2.00	0.00	5.07	0.01	0.00	9.88	2.00	0.00	5.06	0.01	0.00
9.89	2.00	0.00	5.06	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.05	0.01	0.00	9.92	2.00	0.00	5.04	0.01	0.00
9.93	2.00	0.00	5.04	0.01	0.00	9.94	2.00	0.00	5.03	0.01	0.00
9.95	2.00	0.00	5.03	0.01	0.00	9.96	2.00	0.00	5.02	0.01	0.00
9.97	2.00	0.00	5.02	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.01	0.01	0.00	10.00	2.00	0.00	5.00	0.01	0.00
10.01	2.00	0.00	5.00	0.01	0.00	10.02	2.00	0.00	4.99	0.01	0.00
10.03	2.00	0.00	4.99	0.01	0.00	10.04	2.00	0.00	4.98	0.01	0.00
10.05	2.00	0.00	4.97	0.01	0.00	10.06	2.00	0.00	4.97	0.01	0.00
10.07	2.00	0.00	4.97	0.01	0.00	10.08	2.00	0.00	4.96	0.01	0.00
10.09	2.00	0.00	4.96	0.01	0.00	10.10	2.00	0.00	4.95	0.01	0.00
10.11	2.00	0.00	4.95	0.01	0.00	10.12	2.00	0.00	4.94	0.01	0.00
10.13	2.00	0.00	4.93	0.01	0.00	10.14	2.00	0.00	4.93	0.01	0.00
10.15	2.00	0.00	4.93	0.01	0.00	10.16	2.00	0.00	4.92	0.01	0.00
10.17	2.00	0.00	4.92	0.01	0.00	10.18	2.00	0.00	4.91	0.01	0.00
10.19	2.00	0.00	4.91	0.01	0.00	10.20	2.00	0.00	4.90	0.01	0.00
10.21	2.00	0.00	4.89	0.01	0.00	10.22	2.00	0.00	4.89	0.01	0.00
10.23	2.00	0.00	4.89	0.01	0.00	10.24	2.00	0.00	4.88	0.01	0.00
10.25	2.00	0.00	4.88	0.01	0.00	10.26	2.00	0.00	4.87	0.01	0.00
10.27	2.00	0.00	4.87	0.01	0.00	10.28	2.00	0.00	4.86	0.01	0.00
10.29	2.00	0.00	4.86	0.01	0.00	10.30	2.00	0.00	4.85	0.01	0.00
10.31	2.00	0.00	4.85	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.84	0.01	0.00	10.34	2.00	0.00	4.83	0.01	0.00
10.35	2.00	0.00	4.83	0.01	0.00	10.36	2.00	0.00	4.82	0.01	0.00
10.37	2.00	0.00	4.82	0.01	0.00	10.38	2.00	0.00	4.81	0.01	0.00
10.39	2.00	0.00	4.81	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.80	0.01	0.00	10.42	2.00	0.00	4.79	0.01	0.00
10.43	2.00	0.00	4.79	0.01	0.00	10.44	2.00	0.00	4.78	0.01	0.00
10.45	2.00	0.00	4.78	0.01	0.00	10.46	2.00	0.00	4.77	0.01	0.00
10.47	2.00	0.00	4.77	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.76	0.01	0.00	10.50	2.00	0.00	4.75	0.01	0.00
10.51	2.00	0.00	4.75	0.01	0.00	10.52	2.00	0.00	4.74	0.01	0.00
10.53	2.00	0.00	4.74	0.01	0.00	10.54	2.00	0.00	4.73	0.01	0.00
10.55	2.00	0.00	4.72	0.01	0.00	10.56	2.00	0.00	4.72	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
10.57	2.00	0.00	4.72	0.01	0.00	10.58	2.00	0.00	4.71	0.01	0.00
10.59	2.00	0.00	4.71	0.01	0.00	10.60	2.00	0.00	4.70	0.01	0.00
10.61	2.00	0.00	4.70	0.01	0.00	10.62	2.00	0.00	4.69	0.01	0.00
10.63	2.00	0.00	4.68	0.01	0.00	10.64	2.00	0.00	4.68	0.01	0.00
10.65	2.00	0.00	4.68	0.01	0.00	10.66	2.00	0.00	4.67	0.01	0.00
10.67	2.00	0.00	4.67	0.01	0.00	10.68	2.00	0.00	4.66	0.01	0.00
10.69	2.00	0.00	4.66	0.01	0.00	10.70	2.00	0.00	4.65	0.01	0.00
10.71	2.00	0.00	4.64	0.01	0.00	10.72	2.00	0.00	4.64	0.01	0.00
10.73	2.00	0.00	4.64	0.01	0.00	10.74	2.00	0.00	4.63	0.01	0.00
10.75	2.00	0.00	4.63	0.01	0.00	10.76	2.00	0.00	4.62	0.01	0.00
10.77	2.00	0.00	4.62	0.01	0.00	10.78	2.00	0.00	4.61	0.01	0.00
10.79	2.00	0.00	4.61	0.01	0.00	10.80	2.00	0.00	4.60	0.01	0.00
10.81	2.00	0.00	4.60	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.59	0.01	0.00	10.84	2.00	0.00	4.58	0.01	0.00
10.85	2.00	0.00	4.58	0.01	0.00	10.86	2.00	0.00	4.57	0.01	0.00
10.87	2.00	0.00	4.57	0.01	0.00	10.88	2.00	0.00	4.56	0.01	0.00
10.89	2.00	0.00	4.56	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.55	0.01	0.00	10.92	2.00	0.00	4.54	0.01	0.00
10.93	2.00	0.00	4.54	0.01	0.00	10.94	2.00	0.00	4.53	0.01	0.00
10.95	2.00	0.00	4.53	0.01	0.00	10.96	2.00	0.00	4.52	0.01	0.00
10.97	2.00	0.00	4.52	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.51	0.01	0.00	11.00	2.00	0.00	4.50	0.01	0.00
11.01	2.00	0.00	4.50	0.01	0.00	11.02	2.00	0.00	4.49	0.01	0.00
11.03	2.00	0.00	4.49	0.01	0.00	11.04	2.00	0.00	4.48	0.01	0.00
11.05	2.00	0.00	4.47	0.01	0.00	11.06	2.00	0.00	4.47	0.01	0.00
11.07	2.00	0.00	4.47	0.01	0.00	11.08	2.00	0.00	4.46	0.01	0.00
11.09	2.00	0.00	4.46	0.01	0.00	11.10	2.00	0.00	4.45	0.01	0.00
11.11	2.00	0.00	4.45	0.01	0.00	11.12	2.00	0.00	4.44	0.01	0.00
11.13	2.00	0.00	4.43	0.01	0.00	11.14	2.00	0.00	4.43	0.01	0.00
11.15	2.00	0.00	4.43	0.01	0.00	11.16	2.00	0.00	4.42	0.01	0.00
11.17	2.00	0.00	4.42	0.01	0.00	11.18	2.00	0.00	4.41	0.01	0.00
11.19	2.00	0.00	4.41	0.01	0.00	11.20	2.00	0.00	4.40	0.01	0.00
11.21	2.00	0.00	4.39	0.01	0.00	11.22	2.00	0.00	4.39	0.01	0.00
11.23	2.00	0.00	4.39	0.01	0.00	11.24	2.00	0.00	4.38	0.01	0.00
11.25	2.00	0.00	4.38	0.01	0.00	11.26	2.00	0.00	4.37	0.01	0.00
11.27	2.00	0.00	4.37	0.01	0.00	11.28	2.00	0.00	4.36	0.01	0.00
11.29	2.00	0.00	4.36	0.01	0.00	11.30	2.00	0.00	4.35	0.01	0.00
11.31	2.00	0.00	4.35	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.34	0.01	0.00	11.34	2.00	0.00	4.33	0.01	0.00
11.35	2.00	0.00	4.33	0.01	0.00	11.36	2.00	0.00	4.32	0.01	0.00
11.37	2.00	0.00	4.32	0.01	0.00	11.38	2.00	0.00	4.31	0.01	0.00
11.39	2.00	0.00	4.31	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.30	0.01	0.00	11.42	2.00	0.00	4.29	0.01	0.00
11.43	2.00	0.00	4.29	0.01	0.00	11.44	2.00	0.00	4.28	0.01	0.00
11.45	2.00	0.00	4.28	0.01	0.00	11.46	2.00	0.00	4.27	0.01	0.00
11.47	2.00	0.00	4.27	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.26	0.01	0.00	11.50	2.00	0.00	4.25	0.01	0.00
11.51	2.00	0.00	4.25	0.01	0.00	11.52	2.00	0.00	4.24	0.01	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
11.53	2.00	0.00	4.24	0.01	0.00	11.54	2.00	0.00	4.23	0.01	0.00
11.55	2.00	0.00	4.22	0.01	0.00	11.56	2.00	0.00	4.22	0.01	0.00
11.57	2.00	0.00	4.22	0.01	0.00	11.58	2.00	0.00	4.21	0.01	0.00
11.59	2.00	0.00	4.21	0.01	0.00	11.60	2.00	0.00	4.20	0.01	0.00
11.61	2.00	0.00	4.20	0.01	0.00	11.62	2.00	0.00	4.19	0.01	0.00
11.63	2.00	0.00	4.18	0.01	0.00	11.64	2.00	0.00	4.18	0.01	0.00
11.65	2.00	0.00	4.18	0.01	0.00	11.66	2.00	0.00	4.17	0.01	0.00
11.67	2.00	0.00	4.17	0.01	0.00	11.68	2.00	0.00	4.16	0.01	0.00
11.69	2.00	0.00	4.16	0.01	0.00	11.70	2.00	0.00	4.15	0.01	0.00
11.71	2.00	0.00	4.14	0.01	0.00	11.72	2.00	0.00	4.14	0.01	0.00
11.73	2.00	0.00	4.14	0.01	0.00	11.74	2.00	0.00	4.13	0.01	0.00
11.75	2.00	0.00	4.13	0.01	0.00	11.76	2.00	0.00	4.12	0.01	0.00
11.77	2.00	0.00	4.12	0.01	0.00	11.78	2.00	0.00	4.11	0.01	0.00
11.79	2.00	0.00	4.11	0.01	0.00	11.80	2.00	0.00	4.10	0.01	0.00
11.81	2.00	0.00	4.10	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.09	0.01	0.00	11.84	2.00	0.00	4.08	0.01	0.00
11.85	2.00	0.00	4.08	0.01	0.00	11.86	2.00	0.00	4.07	0.01	0.00
11.87	2.00	0.00	4.07	0.01	0.00	11.88	2.00	0.00	4.06	0.01	0.00
11.89	2.00	0.00	4.06	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.05	0.01	0.00	11.92	2.00	0.00	4.04	0.01	0.00
11.93	2.00	0.00	4.04	0.01	0.00	11.94	0.27	0.73	4.03	0.01	0.03
11.95	0.27	0.73	4.03	0.01	0.03	11.96	0.27	0.73	4.02	0.01	0.03
11.97	0.28	0.72	4.02	0.01	0.03	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.01	0.01	0.00	12.00	2.00	0.00	4.00	0.01	0.00
12.01	2.00	0.00	4.00	0.01	0.00	12.02	2.00	0.00	3.99	0.01	0.00
12.03	2.00	0.00	3.99	0.01	0.00	12.04	2.00	0.00	3.98	0.01	0.00
12.05	2.00	0.00	3.98	0.01	0.00	12.06	2.00	0.00	3.97	0.01	0.00
12.07	2.00	0.00	3.97	0.01	0.00	12.08	2.00	0.00	3.96	0.01	0.00
12.09	2.00	0.00	3.96	0.01	0.00	12.10	2.00	0.00	3.95	0.01	0.00
12.11	2.00	0.00	3.95	0.01	0.00	12.12	2.00	0.00	3.94	0.01	0.00
12.13	2.00	0.00	3.94	0.01	0.00	12.14	2.00	0.00	3.93	0.01	0.00
12.15	2.00	0.00	3.93	0.01	0.00	12.16	2.00	0.00	3.92	0.01	0.00
12.17	2.00	0.00	3.92	0.01	0.00	12.18	2.00	0.00	3.91	0.01	0.00
12.19	2.00	0.00	3.91	0.01	0.00	12.20	2.00	0.00	3.90	0.01	0.00
12.21	2.00	0.00	3.90	0.01	0.00	12.22	2.00	0.00	3.89	0.01	0.00
12.23	2.00	0.00	3.89	0.01	0.00	12.24	2.00	0.00	3.88	0.01	0.00
12.25	2.00	0.00	3.88	0.01	0.00	12.26	2.00	0.00	3.87	0.01	0.00
12.27	2.00	0.00	3.87	0.01	0.00	12.28	2.00	0.00	3.86	0.01	0.00
12.29	2.00	0.00	3.86	0.01	0.00	12.30	2.00	0.00	3.85	0.01	0.00
12.31	2.00	0.00	3.85	0.01	0.00	12.32	2.00	0.00	3.84	0.01	0.00
12.33	2.00	0.00	3.84	0.01	0.00	12.34	2.00	0.00	3.83	0.01	0.00
12.35	2.00	0.00	3.83	0.01	0.00	12.36	2.00	0.00	3.82	0.01	0.00
12.37	2.00	0.00	3.82	0.01	0.00	12.38	2.00	0.00	3.81	0.01	0.00
12.39	2.00	0.00	3.81	0.01	0.00	12.40	2.00	0.00	3.80	0.01	0.00
12.41	2.00	0.00	3.80	0.01	0.00	12.42	2.00	0.00	3.79	0.01	0.00
12.43	2.00	0.00	3.79	0.01	0.00	12.44	2.00	0.00	3.78	0.01	0.00
12.45	2.00	0.00	3.78	0.01	0.00	12.46	2.00	0.00	3.77	0.01	0.00
12.47	2.00	0.00	3.77	0.01	0.00	12.48	2.00	0.00	3.76	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
12.49	2.00	0.00	3.76	0.01	0.00	12.50	2.00	0.00	3.75	0.01	0.00
12.51	2.00	0.00	3.75	0.01	0.00	12.52	2.00	0.00	3.74	0.01	0.00
12.53	2.00	0.00	3.74	0.01	0.00	12.54	2.00	0.00	3.73	0.01	0.00
12.55	2.00	0.00	3.73	0.01	0.00	12.56	2.00	0.00	3.72	0.01	0.00
12.57	2.00	0.00	3.72	0.01	0.00	12.58	2.00	0.00	3.71	0.01	0.00
12.59	2.00	0.00	3.71	0.01	0.00	12.60	2.00	0.00	3.70	0.01	0.00
12.61	2.00	0.00	3.70	0.01	0.00	12.62	2.00	0.00	3.69	0.01	0.00
12.63	2.00	0.00	3.69	0.01	0.00	12.64	2.00	0.00	3.68	0.01	0.00
12.65	2.00	0.00	3.68	0.01	0.00	12.66	2.00	0.00	3.67	0.01	0.00
12.67	2.00	0.00	3.67	0.01	0.00	12.68	2.00	0.00	3.66	0.01	0.00
12.69	2.00	0.00	3.66	0.01	0.00	12.70	2.00	0.00	3.65	0.01	0.00
12.71	2.00	0.00	3.65	0.01	0.00	12.72	2.00	0.00	3.64	0.01	0.00
12.73	2.00	0.00	3.64	0.01	0.00	12.74	2.00	0.00	3.63	0.01	0.00
12.75	2.00	0.00	3.63	0.01	0.00	12.76	2.00	0.00	3.62	0.01	0.00
12.77	2.00	0.00	3.62	0.01	0.00	12.78	2.00	0.00	3.61	0.01	0.00
12.79	2.00	0.00	3.61	0.01	0.00	12.80	2.00	0.00	3.60	0.01	0.00
12.81	2.00	0.00	3.60	0.01	0.00	12.82	2.00	0.00	3.59	0.01	0.00
12.83	2.00	0.00	3.59	0.01	0.00	12.84	2.00	0.00	3.58	0.01	0.00
12.85	2.00	0.00	3.58	0.01	0.00	12.86	2.00	0.00	3.57	0.01	0.00
12.87	2.00	0.00	3.57	0.01	0.00	12.88	2.00	0.00	3.56	0.01	0.00
12.89	2.00	0.00	3.56	0.01	0.00	12.90	2.00	0.00	3.55	0.01	0.00
12.91	2.00	0.00	3.55	0.01	0.00	12.92	2.00	0.00	3.54	0.01	0.00
12.93	2.00	0.00	3.54	0.01	0.00	12.94	2.00	0.00	3.53	0.01	0.00
12.95	2.00	0.00	3.53	0.01	0.00	12.96	2.00	0.00	3.52	0.01	0.00
12.97	2.00	0.00	3.52	0.01	0.00	12.98	2.00	0.00	3.51	0.01	0.00
12.99	2.00	0.00	3.51	0.01	0.00	13.00	2.00	0.00	3.50	0.01	0.00
13.01	2.00	0.00	3.50	0.01	0.00	13.02	2.00	0.00	3.49	0.01	0.00
13.03	2.00	0.00	3.49	0.01	0.00	13.04	2.00	0.00	3.48	0.01	0.00
13.05	2.00	0.00	3.48	0.01	0.00	13.06	2.00	0.00	3.47	0.01	0.00
13.07	2.00	0.00	3.47	0.01	0.00	13.08	2.00	0.00	3.46	0.01	0.00
13.09	2.00	0.00	3.46	0.01	0.00	13.10	2.00	0.00	3.45	0.01	0.00
13.11	2.00	0.00	3.45	0.01	0.00	13.12	2.00	0.00	3.44	0.01	0.00
13.13	2.00	0.00	3.44	0.01	0.00	13.14	2.00	0.00	3.43	0.01	0.00
13.15	2.00	0.00	3.43	0.01	0.00	13.16	2.00	0.00	3.42	0.01	0.00
13.17	2.00	0.00	3.42	0.01	0.00	13.18	2.00	0.00	3.41	0.01	0.00
13.19	2.00	0.00	3.41	0.01	0.00	13.20	2.00	0.00	3.40	0.01	0.00
13.21	2.00	0.00	3.40	0.01	0.00	13.22	2.00	0.00	3.39	0.01	0.00
13.23	2.00	0.00	3.39	0.01	0.00	13.24	2.00	0.00	3.38	0.01	0.00
13.25	2.00	0.00	3.38	0.01	0.00	13.26	2.00	0.00	3.37	0.01	0.00
13.27	2.00	0.00	3.37	0.01	0.00	13.28	2.00	0.00	3.36	0.01	0.00
13.29	2.00	0.00	3.36	0.01	0.00	13.30	2.00	0.00	3.35	0.01	0.00
13.31	2.00	0.00	3.35	0.01	0.00	13.32	2.00	0.00	3.34	0.01	0.00
13.33	2.00	0.00	3.34	0.01	0.00	13.34	2.00	0.00	3.33	0.01	0.00
13.35	2.00	0.00	3.33	0.01	0.00	13.36	2.00	0.00	3.32	0.01	0.00
13.37	2.00	0.00	3.32	0.01	0.00	13.38	2.00	0.00	3.31	0.01	0.00
13.39	2.00	0.00	3.31	0.01	0.00	13.40	2.00	0.00	3.30	0.01	0.00
13.41	2.00	0.00	3.30	0.01	0.00	13.42	2.00	0.00	3.29	0.01	0.00
13.43	2.00	0.00	3.29	0.01	0.00	13.44	2.00	0.00	3.28	0.01	0.00

**:: Liquefaction Potential Index calculation data :: (continued)**

Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI	Depth (m)	FS	F <sub>L</sub>	w <sub>z</sub>	d <sub>z</sub>	LPI
13.45	2.00	0.00	3.28	0.01	0.00	13.46	2.00	0.00	3.27	0.01	0.00
13.47	2.00	0.00	3.27	0.01	0.00	13.48	2.00	0.00	3.26	0.01	0.00
13.49	2.00	0.00	3.26	0.01	0.00	13.50	2.00	0.00	3.25	0.01	0.00
13.51	2.00	0.00	3.25	0.01	0.00	13.52	2.00	0.00	3.24	0.01	0.00
13.53	2.00	0.00	3.24	0.01	0.00	13.54	2.00	0.00	3.23	0.01	0.00
13.55	2.00	0.00	3.23	0.01	0.00	13.56	2.00	0.00	3.22	0.01	0.00
13.57	2.00	0.00	3.22	0.01	0.00	13.58	2.00	0.00	3.21	0.01	0.00
13.59	2.00	0.00	3.21	0.01	0.00	13.60	2.00	0.00	3.20	0.01	0.00
13.61	2.00	0.00	3.20	0.01	0.00	13.62	2.00	0.00	3.19	0.01	0.00
13.63	2.00	0.00	3.19	0.01	0.00	13.64	2.00	0.00	3.18	0.01	0.00
13.65	2.00	0.00	3.18	0.01	0.00	13.66	2.00	0.00	3.17	0.01	0.00
13.67	2.00	0.00	3.17	0.01	0.00	13.68	2.00	0.00	3.16	0.01	0.00
13.69	2.00	0.00	3.16	0.01	0.00	13.70	2.00	0.00	3.15	0.01	0.00
13.71	2.00	0.00	3.15	0.01	0.00	13.72	2.00	0.00	3.14	0.01	0.00
13.73	2.00	0.00	3.14	0.01	0.00	13.74	2.00	0.00	3.13	0.01	0.00
13.75	2.00	0.00	3.13	0.01	0.00	13.76	2.00	0.00	3.12	0.01	0.00
13.77	2.00	0.00	3.12	0.01	0.00	13.78	2.00	0.00	3.11	0.01	0.00
13.79	2.00	0.00	3.11	0.01	0.00	13.80	2.00	0.00	3.10	0.01	0.00

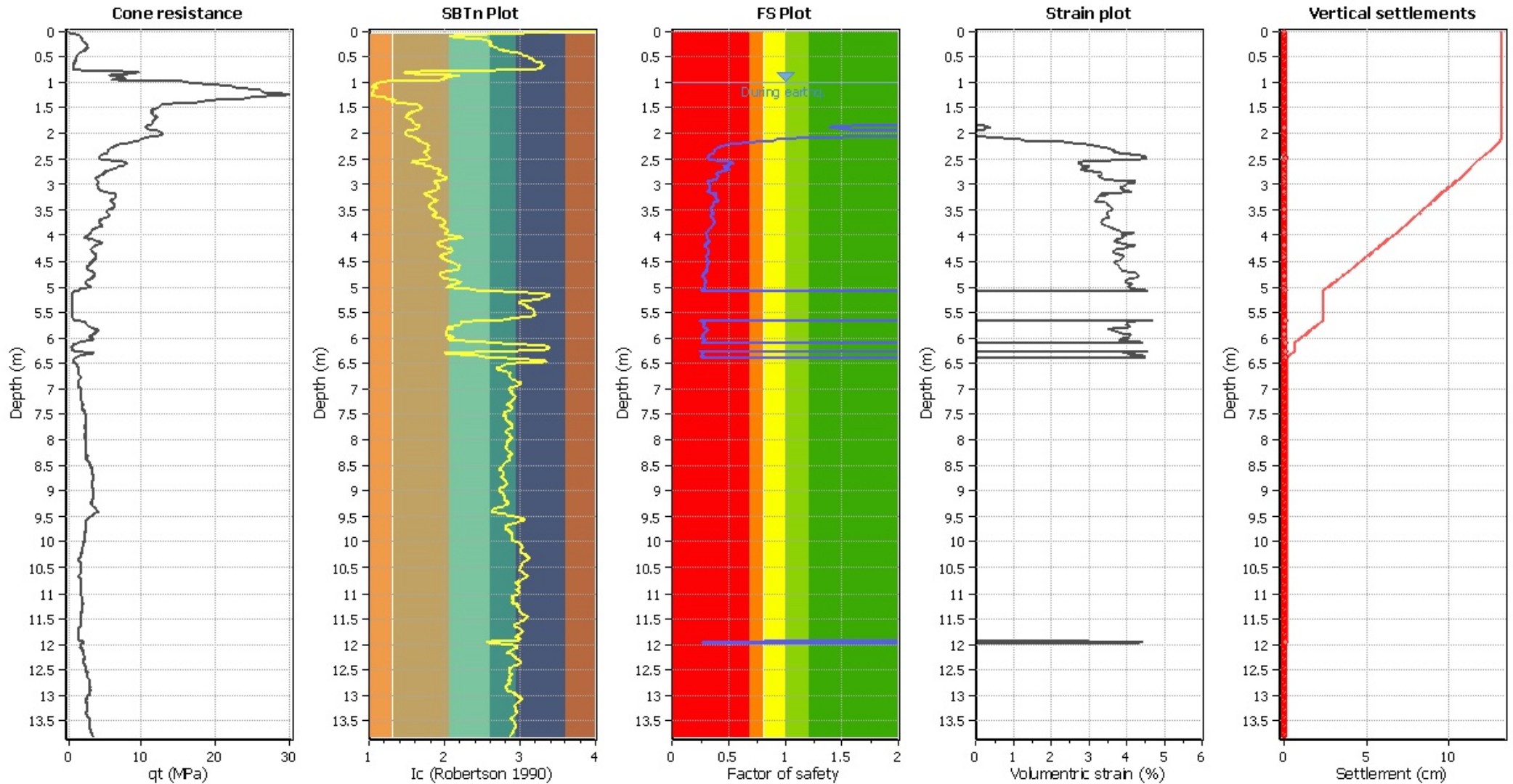
**Overall liquefaction potential: 18.35**

LPI = 0.00 - Liquefaction risk very low  
LPI between 0.00 and 5.00 - Liquefaction risk low  
LPI between 5.00 and 15.00 - Liquefaction risk high  
LPI > 15.00 - Liquefaction risk very high

**Abbreviations**

FS: Calculated factor of safety for test point  
F<sub>L</sub>: 1 - FS  
w<sub>z</sub>: Function value of the extend of soil liquefaction according to depth  
d<sub>z</sub>: Layer thickness (m)  
LPI: Liquefaction potential index value for test point

### Estimation of post-earthquake settlements



**Abbreviations**

- qc: Total cone resistance (cone resistance  $q_c$  corrected for pore water effects)
- I<sub>c</sub>: Soil Behaviour Type Index
- FS: Calculated Factor of Safety against liquefaction
- Volumetric strain: Post-liquefaction volumetric strain



<b>:: Post-earthquake settlement due to soil liquefaction ::</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.00	254.00	2.00	0.00	1.00	0.00	1.01	254.00	2.00	0.00	1.00	0.00
1.02	254.00	2.00	0.00	1.00	0.00	1.03	254.00	2.00	0.00	1.00	0.00
1.04	254.00	2.00	0.00	1.00	0.00	1.05	254.00	2.00	0.00	1.00	0.00
1.06	254.00	2.00	0.00	1.00	0.00	1.07	254.00	2.00	0.00	1.00	0.00
1.08	254.00	2.00	0.00	1.00	0.00	1.09	254.00	2.00	0.00	1.00	0.00
1.10	254.00	2.00	0.00	1.00	0.00	1.11	254.00	2.00	0.00	1.00	0.00
1.12	254.00	2.00	0.00	1.00	0.00	1.13	254.00	2.00	0.00	1.00	0.00
1.14	254.00	2.00	0.00	1.00	0.00	1.15	254.00	2.00	0.00	1.00	0.00
1.16	254.00	2.00	0.00	1.00	0.00	1.17	254.00	2.00	0.00	1.00	0.00
1.18	254.00	2.00	0.00	1.00	0.00	1.19	254.00	2.00	0.00	1.00	0.00
1.20	254.00	2.00	0.00	1.00	0.00	1.21	254.00	2.00	0.00	1.00	0.00
1.22	254.00	2.00	0.00	1.00	0.00	1.23	254.00	2.00	0.00	1.00	0.00
1.24	254.00	2.00	0.00	1.00	0.00	1.25	254.00	2.00	0.00	1.00	0.00
1.26	254.00	2.00	0.00	1.00	0.00	1.27	254.00	2.00	0.00	1.00	0.00
1.28	254.00	2.00	0.00	1.00	0.00	1.29	254.00	2.00	0.00	1.00	0.00
1.30	254.00	2.00	0.00	1.00	0.00	1.31	254.00	2.00	0.00	1.00	0.00
1.32	254.00	2.00	0.00	1.00	0.00	1.33	254.00	2.00	0.00	1.00	0.00
1.34	254.00	2.00	0.00	1.00	0.00	1.35	254.00	2.00	0.00	1.00	0.00
1.36	254.00	2.00	0.00	1.00	0.00	1.37	254.00	2.00	0.00	1.00	0.00
1.38	254.00	2.00	0.00	1.00	0.00	1.39	243.87	2.00	0.00	1.00	0.00
1.40	240.74	2.00	0.00	1.00	0.00	1.41	208.96	2.00	0.00	1.00	0.00
1.42	209.27	2.00	0.00	1.00	0.00	1.43	202.56	2.00	0.00	1.00	0.00
1.44	197.28	2.00	0.00	1.00	0.00	1.45	192.24	2.00	0.00	1.00	0.00
1.46	193.11	2.00	0.00	1.00	0.00	1.47	191.41	2.00	0.00	1.00	0.00
1.48	190.04	2.00	0.00	1.00	0.00	1.49	188.11	2.00	0.00	1.00	0.00
1.50	186.52	2.00	0.00	1.00	0.00	1.51	184.58	2.00	0.00	1.00	0.00
1.52	181.15	2.00	0.00	1.00	0.00	1.53	180.00	2.00	0.00	1.00	0.00
1.54	177.94	2.00	0.00	1.00	0.00	1.55	176.34	2.00	0.00	1.00	0.00
1.56	175.09	2.00	0.00	1.00	0.00	1.57	174.65	2.00	0.00	1.00	0.00
1.58	175.37	2.00	0.00	1.00	0.00	1.59	175.75	2.00	0.00	1.00	0.00
1.60	176.36	2.00	0.00	1.00	0.00	1.61	177.32	2.00	0.00	1.00	0.00
1.62	176.21	2.00	0.00	1.00	0.00	1.63	176.36	2.00	0.00	1.00	0.00
1.64	176.52	2.00	0.00	1.00	0.00	1.65	176.68	2.00	0.00	1.00	0.00
1.66	177.51	2.00	0.00	1.00	0.00	1.67	179.65	2.00	0.00	1.00	0.00
1.68	180.63	2.00	0.00	1.00	0.00	1.69	181.72	2.00	0.00	1.00	0.00
1.70	180.38	2.00	0.00	1.00	0.00	1.71	178.12	2.00	0.00	1.00	0.00
1.72	176.31	2.00	0.00	1.00	0.00	1.73	175.78	2.00	0.00	1.00	0.00
1.74	174.91	2.00	0.00	1.00	0.00	1.75	173.56	2.00	0.00	1.00	0.00
1.76	172.69	2.00	0.00	1.00	0.00	1.77	172.40	2.00	0.00	1.00	0.00
1.78	172.93	2.00	0.00	1.00	0.00	1.79	172.76	2.00	0.00	1.00	0.00
1.80	172.71	2.00	0.00	1.00	0.00	1.81	171.96	2.00	0.00	1.00	0.00
1.82	169.00	2.00	0.00	1.00	0.00	1.83	164.14	1.82	0.08	1.00	0.00
1.84	161.49	1.66	0.17	1.00	0.00	1.85	159.82	1.57	0.22	1.00	0.00
1.86	158.14	1.48	0.28	1.00	0.00	1.87	156.93	1.42	0.33	1.00	0.00
1.88	156.08	1.38	0.37	1.00	0.00	1.89	157.22	1.43	0.32	1.00	0.00
1.90	159.40	1.53	0.25	1.00	0.00	1.91	159.14	1.52	0.26	1.00	0.00
1.92	158.43	1.48	0.29	1.00	0.00	1.93	165.76	1.89	0.05	1.00	0.00
1.94	171.39	2.00	0.00	1.00	0.00	1.95	175.02	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
1.96	177.60	2.00	0.00	1.00	0.00	1.97	180.73	2.00	0.00	1.00	0.00
1.98	181.14	2.00	0.00	1.00	0.00	1.99	181.21	2.00	0.00	1.00	0.00
2.00	181.51	2.00	0.00	1.00	0.00	2.01	181.05	2.00	0.00	1.00	0.00
2.02	179.23	2.00	0.00	1.00	0.00	2.03	178.10	2.00	0.00	1.00	0.00
2.04	176.39	2.00	0.00	1.00	0.00	2.05	173.89	2.00	0.00	1.00	0.00
2.06	165.91	1.86	0.06	1.00	0.00	2.07	161.34	1.59	0.21	1.00	0.00
2.08	156.95	1.38	0.37	1.00	0.00	2.09	149.60	1.11	0.71	1.00	0.01
2.10	146.78	1.03	0.87	1.00	0.01	2.11	145.13	0.98	0.98	1.00	0.01
2.12	142.40	0.92	1.19	1.00	0.01	2.13	141.22	0.89	1.30	1.00	0.01
2.14	139.32	0.85	1.49	1.00	0.01	2.15	134.15	0.76	2.24	1.00	0.02
2.16	131.85	0.72	2.40	1.00	0.02	2.17	130.65	0.71	2.42	1.00	0.02
2.18	126.63	0.65	2.51	1.00	0.03	2.19	121.33	0.60	2.62	1.00	0.03
2.20	116.98	0.55	2.73	1.00	0.03	2.21	109.78	0.50	2.92	1.00	0.03
2.22	107.61	0.48	2.98	1.00	0.03	2.23	106.20	0.47	3.02	1.00	0.03
2.24	104.49	0.46	3.07	1.00	0.03	2.25	101.08	0.44	3.18	1.00	0.03
2.26	99.70	0.44	3.22	1.00	0.03	2.27	98.22	0.43	3.27	1.00	0.03
2.28	93.92	0.41	3.42	1.00	0.03	2.29	91.83	0.40	3.50	1.00	0.04
2.30	89.93	0.39	3.58	1.00	0.04	2.31	88.35	0.38	3.64	1.00	0.04
2.32	86.96	0.38	3.70	1.00	0.04	2.33	86.76	0.37	3.70	1.00	0.04
2.34	87.34	0.38	3.68	1.00	0.04	2.35	87.68	0.38	3.67	1.00	0.04
2.36	87.61	0.38	3.67	1.00	0.04	2.37	87.41	0.38	3.68	1.00	0.04
2.38	85.16	0.37	3.77	1.00	0.04	2.39	83.87	0.36	3.83	1.00	0.04
2.40	82.03	0.35	3.91	1.00	0.04	2.41	78.82	0.34	4.07	1.00	0.04
2.42	76.83	0.34	4.17	1.00	0.04	2.43	74.83	0.33	4.27	1.00	0.04
2.44	73.42	0.33	4.35	1.00	0.04	2.45	71.08	0.32	4.48	1.00	0.04
2.46	70.65	0.32	4.51	1.00	0.05	2.47	70.30	0.32	4.53	1.00	0.05
2.48	69.91	0.31	4.55	1.00	0.05	2.49	71.67	0.32	4.45	1.00	0.04
2.50	73.39	0.32	4.35	1.00	0.04	2.51	76.42	0.33	4.19	1.00	0.04
2.52	86.56	0.36	3.71	1.00	0.04	2.53	93.68	0.39	3.43	1.00	0.03
2.54	101.59	0.43	3.16	1.00	0.03	2.55	110.62	0.48	2.89	1.00	0.03
2.56	116.09	0.52	2.75	1.00	0.03	2.57	118.17	0.54	2.70	1.00	0.03
2.58	117.05	0.53	2.73	1.00	0.03	2.59	118.85	0.54	2.68	1.00	0.03
2.60	118.12	0.54	2.70	1.00	0.03	2.61	114.39	0.51	2.79	1.00	0.03
2.62	114.18	0.50	2.80	1.00	0.03	2.63	110.20	0.48	2.91	1.00	0.03
2.64	105.47	0.45	3.04	1.00	0.03	2.65	107.48	0.46	2.98	1.00	0.03
2.66	109.06	0.47	2.94	1.00	0.03	2.67	108.27	0.46	2.96	1.00	0.03
2.68	110.71	0.48	2.89	1.00	0.03	2.69	114.42	0.50	2.79	1.00	0.03
2.70	115.48	0.51	2.77	1.00	0.03	2.71	115.56	0.51	2.76	1.00	0.03
2.72	114.16	0.50	2.80	1.00	0.03	2.73	108.86	0.46	2.94	1.00	0.03
2.74	107.60	0.45	2.98	1.00	0.03	2.75	104.54	0.44	3.07	1.00	0.03
2.76	102.29	0.42	3.14	1.00	0.03	2.77	99.10	0.41	3.24	1.00	0.03
2.78	97.49	0.40	3.30	1.00	0.03	2.79	95.62	0.39	3.36	1.00	0.03
2.80	96.82	0.40	3.32	1.00	0.03	2.81	97.10	0.40	3.31	1.00	0.03
2.82	98.23	0.40	3.27	1.00	0.03	2.83	99.08	0.41	3.24	1.00	0.03
2.84	97.74	0.40	3.29	1.00	0.03	2.85	98.21	0.40	3.27	1.00	0.03
2.86	97.70	0.40	3.29	1.00	0.03	2.87	97.11	0.39	3.31	1.00	0.03
2.88	96.07	0.39	3.35	1.00	0.03	2.89	95.40	0.39	3.37	1.00	0.03
2.90	95.16	0.38	3.38	1.00	0.03	2.91	94.60	0.38	3.40	1.00	0.03

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
2.92	89.39	0.36	3.60	1.00	0.04	2.93	83.87	0.34	3.83	1.00	0.04
2.94	75.62	0.31	4.23	1.00	0.04	2.95	76.01	0.31	4.21	1.00	0.04
2.96	76.60	0.32	4.18	1.00	0.04	2.97	77.58	0.32	4.13	1.00	0.04
2.98	78.97	0.32	4.06	1.00	0.04	2.99	80.41	0.33	3.99	1.00	0.04
3.00	81.00	0.33	3.96	1.00	0.04	3.01	80.84	0.33	3.97	1.00	0.04
3.02	81.54	0.33	3.94	1.00	0.04	3.03	82.08	0.33	3.91	1.00	0.04
3.04	82.71	0.33	3.88	1.00	0.04	3.05	84.22	0.34	3.81	1.00	0.04
3.06	83.99	0.34	3.82	1.00	0.04	3.07	83.77	0.34	3.83	1.00	0.04
3.08	83.26	0.33	3.86	1.00	0.04	3.09	83.32	0.33	3.85	1.00	0.04
3.10	81.44	0.33	3.94	1.00	0.04	3.11	81.15	0.33	3.95	1.00	0.04
3.12	78.60	0.32	4.08	1.00	0.04	3.13	78.82	0.32	4.07	1.00	0.04
3.14	77.22	0.31	4.15	1.00	0.04	3.15	81.97	0.33	3.92	1.00	0.04
3.16	83.80	0.33	3.83	1.00	0.04	3.17	86.17	0.34	3.73	1.00	0.04
3.18	96.65	0.38	3.33	1.00	0.03	3.19	95.85	0.38	3.35	1.00	0.03
3.20	91.99	0.36	3.50	1.00	0.03	3.21	93.27	0.37	3.45	1.00	0.03
3.22	94.01	0.37	3.42	1.00	0.03	3.23	98.14	0.39	3.27	1.00	0.03
3.24	97.86	0.39	3.28	1.00	0.03	3.25	98.08	0.39	3.28	1.00	0.03
3.26	98.02	0.39	3.28	1.00	0.03	3.27	99.07	0.39	3.24	1.00	0.03
3.28	99.32	0.39	3.24	1.00	0.03	3.29	100.62	0.40	3.19	1.00	0.03
3.30	100.21	0.40	3.21	1.00	0.03	3.31	101.32	0.40	3.17	1.00	0.03
3.32	102.38	0.41	3.14	1.00	0.03	3.33	101.80	0.40	3.15	1.00	0.03
3.34	98.88	0.39	3.25	1.00	0.03	3.35	93.87	0.37	3.43	1.00	0.03
3.36	92.75	0.36	3.47	1.00	0.03	3.37	92.09	0.36	3.49	1.00	0.03
3.38	92.40	0.36	3.48	1.00	0.03	3.39	91.78	0.36	3.50	1.00	0.04
3.40	92.28	0.36	3.48	1.00	0.03	3.41	92.20	0.36	3.49	1.00	0.03
3.42	91.55	0.36	3.51	1.00	0.04	3.43	91.02	0.35	3.53	1.00	0.04
3.44	90.08	0.35	3.57	1.00	0.04	3.45	89.70	0.35	3.58	1.00	0.04
3.46	88.85	0.34	3.62	1.00	0.04	3.47	88.92	0.34	3.62	1.00	0.04
3.48	88.26	0.34	3.64	1.00	0.04	3.49	89.31	0.34	3.60	1.00	0.04
3.50	89.16	0.34	3.61	1.00	0.04	3.51	90.62	0.35	3.55	1.00	0.04
3.52	90.71	0.35	3.55	1.00	0.04	3.53	91.38	0.35	3.52	1.00	0.04
3.54	91.81	0.35	3.50	1.00	0.04	3.55	91.75	0.35	3.51	1.00	0.04
3.56	92.50	0.36	3.48	1.00	0.03	3.57	92.11	0.35	3.49	1.00	0.03
3.58	92.53	0.35	3.48	1.00	0.03	3.59	91.70	0.35	3.51	1.00	0.04
3.60	91.71	0.35	3.51	1.00	0.04	3.61	91.17	0.35	3.53	1.00	0.04
3.62	90.39	0.35	3.56	1.00	0.04	3.63	91.56	0.35	3.51	1.00	0.04
3.64	91.04	0.35	3.53	1.00	0.04	3.65	93.52	0.36	3.44	1.00	0.03
3.66	93.53	0.36	3.44	1.00	0.03	3.67	95.12	0.36	3.38	1.00	0.03
3.68	94.72	0.36	3.39	1.00	0.03	3.69	95.60	0.37	3.36	1.00	0.03
3.70	95.53	0.36	3.37	1.00	0.03	3.71	95.78	0.37	3.36	1.00	0.03
3.72	96.13	0.37	3.34	1.00	0.03	3.73	96.37	0.37	3.34	1.00	0.03
3.74	96.74	0.37	3.32	1.00	0.03	3.75	96.63	0.37	3.33	1.00	0.03
3.76	96.91	0.37	3.32	1.00	0.03	3.77	96.04	0.37	3.35	1.00	0.03
3.78	94.82	0.36	3.39	1.00	0.03	3.79	94.84	0.36	3.39	1.00	0.03
3.80	93.32	0.35	3.45	1.00	0.03	3.81	92.13	0.35	3.49	1.00	0.03
3.82	91.95	0.35	3.50	1.00	0.03	3.83	90.47	0.34	3.55	1.00	0.04
3.84	91.09	0.34	3.53	1.00	0.04	3.85	88.70	0.33	3.62	1.00	0.04
3.86	88.75	0.33	3.62	1.00	0.04	3.87	86.80	0.33	3.70	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
3.88	86.22	0.32	3.73	1.00	0.04	3.89	85.92	0.32	3.74	1.00	0.04
3.90	84.38	0.32	3.81	1.00	0.04	3.91	84.80	0.32	3.79	1.00	0.04
3.92	83.29	0.31	3.86	1.00	0.04	3.93	77.94	0.30	4.11	1.00	0.04
3.94	76.14	0.29	4.20	1.00	0.04	3.95	77.28	0.29	4.14	1.00	0.04
3.96	78.30	0.30	4.09	1.00	0.04	3.97	79.20	0.30	4.05	1.00	0.04
3.98	79.99	0.30	4.01	1.00	0.04	3.99	80.81	0.30	3.97	1.00	0.04
4.00	83.41	0.31	3.85	1.00	0.04	4.01	81.50	0.31	3.94	1.00	0.04
4.02	82.54	0.31	3.89	1.00	0.04	4.03	81.85	0.31	3.92	1.00	0.04
4.04	82.35	0.31	3.90	1.00	0.04	4.05	82.61	0.31	3.89	1.00	0.04
4.06	83.02	0.31	3.87	1.00	0.04	4.07	86.30	0.32	3.72	1.00	0.04
4.08	86.23	0.32	3.73	1.00	0.04	4.09	85.12	0.32	3.77	1.00	0.04
4.10	88.32	0.33	3.64	1.00	0.04	4.11	86.90	0.32	3.70	1.00	0.04
4.12	86.33	0.32	3.72	1.00	0.04	4.13	85.90	0.32	3.74	1.00	0.04
4.14	84.20	0.31	3.82	1.00	0.04	4.15	83.79	0.31	3.83	1.00	0.04
4.16	83.60	0.31	3.84	1.00	0.04	4.17	80.63	0.30	3.98	1.00	0.04
4.18	79.03	0.30	4.06	1.00	0.04	4.19	75.93	0.29	4.21	1.00	0.04
4.20	75.83	0.29	4.22	1.00	0.04	4.21	76.50	0.29	4.18	1.00	0.04
4.22	78.57	0.29	4.08	1.00	0.04	4.23	79.53	0.30	4.03	1.00	0.04
4.24	81.89	0.30	3.92	1.00	0.04	4.25	84.04	0.31	3.82	1.00	0.04
4.26	85.29	0.31	3.77	1.00	0.04	4.27	86.94	0.32	3.70	1.00	0.04
4.28	87.43	0.32	3.68	1.00	0.04	4.29	88.34	0.32	3.64	1.00	0.04
4.30	88.60	0.32	3.63	1.00	0.04	4.31	88.69	0.32	3.63	1.00	0.04
4.32	88.36	0.32	3.64	1.00	0.04	4.33	88.74	0.32	3.62	1.00	0.04
4.34	88.08	0.32	3.65	1.00	0.04	4.35	86.95	0.32	3.70	1.00	0.04
4.36	86.60	0.32	3.71	1.00	0.04	4.37	85.17	0.31	3.77	1.00	0.04
4.38	83.79	0.31	3.83	1.00	0.04	4.39	83.11	0.30	3.86	1.00	0.04
4.40	81.93	0.30	3.92	1.00	0.04	4.41	81.53	0.30	3.94	1.00	0.04
4.42	82.02	0.30	3.91	1.00	0.04	4.43	81.71	0.30	3.93	1.00	0.04
4.44	82.57	0.30	3.89	1.00	0.04	4.45	82.91	0.30	3.87	1.00	0.04
4.46	83.86	0.31	3.83	1.00	0.04	4.47	83.93	0.31	3.83	1.00	0.04
4.48	84.70	0.31	3.79	1.00	0.04	4.49	85.63	0.31	3.75	1.00	0.04
4.50	85.88	0.31	3.74	1.00	0.04	4.51	86.71	0.31	3.71	1.00	0.04
4.52	87.08	0.32	3.69	1.00	0.04	4.53	87.45	0.32	3.68	1.00	0.04
4.54	86.83	0.31	3.70	1.00	0.04	4.55	87.00	0.32	3.69	1.00	0.04
4.56	86.82	0.31	3.70	1.00	0.04	4.57	86.55	0.31	3.71	1.00	0.04
4.58	85.58	0.31	3.75	1.00	0.04	4.59	85.44	0.31	3.76	1.00	0.04
4.60	85.04	0.31	3.78	1.00	0.04	4.61	84.43	0.31	3.80	1.00	0.04
4.62	84.40	0.31	3.81	1.00	0.04	4.63	84.24	0.30	3.81	1.00	0.04
4.64	84.02	0.30	3.82	1.00	0.04	4.65	83.82	0.30	3.83	1.00	0.04
4.66	83.67	0.30	3.84	1.00	0.04	4.67	83.63	0.30	3.84	1.00	0.04
4.68	82.93	0.30	3.87	1.00	0.04	4.69	83.71	0.30	3.84	1.00	0.04
4.70	82.42	0.30	3.90	1.00	0.04	4.71	80.35	0.29	3.99	1.00	0.04
4.72	79.72	0.29	4.02	1.00	0.04	4.73	77.11	0.28	4.15	1.00	0.04
4.74	75.86	0.28	4.22	1.00	0.04	4.75	74.82	0.28	4.27	1.00	0.04
4.76	74.29	0.27	4.30	1.00	0.04	4.77	73.91	0.27	4.32	1.00	0.04
4.78	74.18	0.27	4.31	1.00	0.04	4.79	73.66	0.27	4.34	1.00	0.04
4.80	73.87	0.27	4.33	1.00	0.04	4.81	74.34	0.27	4.30	1.00	0.04
4.82	75.45	0.28	4.24	1.00	0.04	4.83	76.19	0.28	4.20	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
4.84	77.59	0.28	4.13	1.00	0.04	4.85	78.53	0.29	4.08	1.00	0.04
4.86	80.24	0.29	4.00	1.00	0.04	4.87	79.77	0.29	4.02	1.00	0.04
4.88	80.68	0.29	3.98	1.00	0.04	4.89	81.04	0.29	3.96	1.00	0.04
4.90	80.53	0.29	3.98	1.00	0.04	4.91	81.02	0.29	3.96	1.00	0.04
4.92	80.06	0.29	4.01	1.00	0.04	4.93	77.31	0.28	4.14	1.00	0.04
4.94	77.08	0.28	4.15	1.00	0.04	4.95	78.14	0.28	4.10	1.00	0.04
4.96	78.07	0.28	4.10	1.00	0.04	4.97	79.22	0.29	4.05	1.00	0.04
4.98	77.83	0.28	4.12	1.00	0.04	4.99	79.12	0.28	4.05	1.00	0.04
5.00	79.42	0.29	4.04	1.00	0.04	5.01	77.60	0.28	4.13	1.00	0.04
5.02	79.52	0.29	4.03	1.00	0.04	5.03	76.21	0.28	4.20	1.00	0.04
5.04	76.15	0.28	4.20	1.00	0.04	5.05	75.39	0.27	4.24	1.00	0.04
5.06	69.98	0.26	4.55	1.00	0.05	5.07	69.66	0.26	4.57	1.00	0.05
5.08	11.96	2.00	0.00	1.00	0.00	5.09	10.88	2.00	0.00	1.00	0.00
5.10	9.81	2.00	0.00	1.00	0.00	5.11	7.95	2.00	0.00	1.00	0.00
5.12	7.54	2.00	0.00	1.00	0.00	5.13	7.14	2.00	0.00	1.00	0.00
5.14	6.47	2.00	0.00	1.00	0.00	5.15	6.20	2.00	0.00	1.00	0.00
5.16	5.93	2.00	0.00	1.00	0.00	5.17	5.93	2.00	0.00	1.00	0.00
5.18	5.79	2.00	0.00	1.00	0.00	5.19	5.79	2.00	0.00	1.00	0.00
5.20	5.78	2.00	0.00	1.00	0.00	5.21	5.78	2.00	0.00	1.00	0.00
5.22	5.78	2.00	0.00	1.00	0.00	5.23	5.77	2.00	0.00	1.00	0.00
5.24	5.77	2.00	0.00	1.00	0.00	5.25	5.64	2.00	0.00	1.00	0.00
5.26	5.50	2.00	0.00	1.00	0.00	5.27	5.63	2.00	0.00	1.00	0.00
5.28	5.63	2.00	0.00	1.00	0.00	5.29	5.76	2.00	0.00	1.00	0.00
5.30	5.75	2.00	0.00	1.00	0.00	5.31	5.75	2.00	0.00	1.00	0.00
5.32	5.88	2.00	0.00	1.00	0.00	5.33	6.01	2.00	0.00	1.00	0.00
5.34	5.74	2.00	0.00	1.00	0.00	5.35	5.74	2.00	0.00	1.00	0.00
5.36	5.74	2.00	0.00	1.00	0.00	5.37	5.47	2.00	0.00	1.00	0.00
5.38	5.34	2.00	0.00	1.00	0.00	5.39	5.33	2.00	0.00	1.00	0.00
5.40	5.33	2.00	0.00	1.00	0.00	5.41	5.33	2.00	0.00	1.00	0.00
5.42	5.19	2.00	0.00	1.00	0.00	5.43	5.19	2.00	0.00	1.00	0.00
5.44	5.19	2.00	0.00	1.00	0.00	5.45	5.05	2.00	0.00	1.00	0.00
5.46	5.05	2.00	0.00	1.00	0.00	5.47	5.05	2.00	0.00	1.00	0.00
5.48	5.05	2.00	0.00	1.00	0.00	5.49	5.04	2.00	0.00	1.00	0.00
5.50	5.04	2.00	0.00	1.00	0.00	5.51	5.04	2.00	0.00	1.00	0.00
5.52	5.04	2.00	0.00	1.00	0.00	5.53	5.03	2.00	0.00	1.00	0.00
5.54	5.03	2.00	0.00	1.00	0.00	5.55	4.90	2.00	0.00	1.00	0.00
5.56	4.89	2.00	0.00	1.00	0.00	5.57	5.15	2.00	0.00	1.00	0.00
5.58	5.41	2.00	0.00	1.00	0.00	5.59	5.93	2.00	0.00	1.00	0.00
5.60	7.10	2.00	0.00	1.00	0.00	5.61	7.74	2.00	0.00	1.00	0.00
5.62	8.13	2.00	0.00	1.00	0.00	5.63	8.51	2.00	0.00	1.00	0.00
5.64	8.51	2.00	0.00	1.00	0.00	5.65	9.41	2.00	0.00	1.00	0.00
5.66	10.83	2.00	0.00	1.00	0.00	5.67	67.86	0.25	4.68	1.00	0.05
5.68	75.26	0.27	4.25	1.00	0.04	5.69	75.76	0.27	4.22	1.00	0.04
5.70	79.37	0.28	4.04	1.00	0.04	5.71	79.66	0.28	4.03	1.00	0.04
5.72	80.63	0.28	3.98	1.00	0.04	5.73	80.77	0.28	3.97	1.00	0.04
5.74	80.36	0.28	3.99	1.00	0.04	5.75	80.12	0.28	4.00	1.00	0.04
5.76	78.47	0.27	4.08	1.00	0.04	5.77	79.03	0.28	4.06	1.00	0.04
5.78	78.17	0.27	4.10	1.00	0.04	5.79	78.19	0.27	4.10	1.00	0.04

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
5.80	80.97	0.28	3.96	1.00	0.04	5.81	84.07	0.29	3.82	1.00	0.04
5.82	88.27	0.30	3.64	1.00	0.04	5.83	89.51	0.31	3.59	1.00	0.04
5.84	92.17	0.32	3.49	1.00	0.03	5.85	90.33	0.31	3.56	1.00	0.04
5.86	89.05	0.31	3.61	1.00	0.04	5.87	87.57	0.30	3.67	1.00	0.04
5.88	86.85	0.30	3.70	1.00	0.04	5.89	84.34	0.29	3.81	1.00	0.04
5.90	82.73	0.29	3.88	1.00	0.04	5.91	82.67	0.29	3.88	1.00	0.04
5.92	82.42	0.28	3.89	1.00	0.04	5.93	77.72	0.27	4.12	1.00	0.04
5.94	77.85	0.27	4.12	1.00	0.04	5.95	79.37	0.28	4.04	1.00	0.04
5.96	78.67	0.27	4.07	1.00	0.04	5.97	79.01	0.27	4.06	1.00	0.04
5.98	78.96	0.27	4.06	1.00	0.04	5.99	79.33	0.28	4.04	1.00	0.04
6.00	78.47	0.27	4.08	1.00	0.04	6.01	82.71	0.28	3.88	1.00	0.04
6.02	82.70	0.28	3.88	1.00	0.04	6.03	84.78	0.29	3.79	1.00	0.04
6.04	84.73	0.29	3.79	1.00	0.04	6.05	85.45	0.29	3.76	1.00	0.04
6.06	77.86	0.27	4.11	1.00	0.04	6.07	76.56	0.27	4.18	1.00	0.04
6.08	74.77	0.26	4.28	1.00	0.04	6.09	72.47	0.26	4.40	1.00	0.04
6.10	14.64	2.00	0.00	1.00	0.00	6.11	10.90	2.00	0.00	1.00	0.00
6.12	9.76	2.00	0.00	1.00	0.00	6.13	8.88	2.00	0.00	1.00	0.00
6.14	8.00	2.00	0.00	1.00	0.00	6.15	7.24	2.00	0.00	1.00	0.00
6.16	6.86	2.00	0.00	1.00	0.00	6.17	6.23	2.00	0.00	1.00	0.00
6.18	6.10	2.00	0.00	1.00	0.00	6.19	5.97	2.00	0.00	1.00	0.00
6.20	5.84	2.00	0.00	1.00	0.00	6.21	5.84	2.00	0.00	1.00	0.00
6.22	6.08	2.00	0.00	1.00	0.00	6.23	6.21	2.00	0.00	1.00	0.00
6.24	6.08	2.00	0.00	1.00	0.00	6.25	6.95	2.00	0.00	1.00	0.00
6.26	9.93	2.00	0.00	1.00	0.00	6.27	69.34	0.25	4.59	1.00	0.05
6.28	82.29	0.28	3.90	1.00	0.04	6.29	79.07	0.27	4.05	1.00	0.04
6.30	76.74	0.27	4.17	1.00	0.04	6.31	79.92	0.28	4.01	1.00	0.04
6.32	77.39	0.27	4.14	1.00	0.04	6.33	78.91	0.27	4.06	1.00	0.04
6.34	77.01	0.27	4.16	1.00	0.04	6.35	74.69	0.26	4.28	1.00	0.04
6.36	72.29	0.26	4.41	1.00	0.04	6.37	70.89	0.25	4.50	1.00	0.04
6.38	12.96	2.00	0.00	1.00	0.00	6.39	12.08	2.00	0.00	1.00	0.00
6.40	11.21	2.00	0.00	1.00	0.00	6.41	10.34	2.00	0.00	1.00	0.00
6.42	9.23	2.00	0.00	1.00	0.00	6.43	8.24	2.00	0.00	1.00	0.00
6.44	7.25	2.00	0.00	1.00	0.00	6.45	6.87	2.00	0.00	1.00	0.00
6.46	6.74	2.00	0.00	1.00	0.00	6.47	6.86	2.00	0.00	1.00	0.00
6.48	7.72	2.00	0.00	1.00	0.00	6.49	10.41	2.00	0.00	1.00	0.00
6.50	12.11	2.00	0.00	1.00	0.00	6.51	13.20	2.00	0.00	1.00	0.00
6.52	13.92	2.00	0.00	1.00	0.00	6.53	14.28	2.00	0.00	1.00	0.00
6.54	14.64	2.00	0.00	1.00	0.00	6.55	14.63	2.00	0.00	1.00	0.00
6.56	14.87	2.00	0.00	1.00	0.00	6.57	15.22	2.00	0.00	1.00	0.00
6.58	15.81	2.00	0.00	1.00	0.00	6.59	16.29	2.00	0.00	1.00	0.00
6.60	17.00	2.00	0.00	1.00	0.00	6.61	17.46	2.00	0.00	1.00	0.00
6.62	17.81	2.00	0.00	1.00	0.00	6.63	18.15	2.00	0.00	1.00	0.00
6.64	18.37	2.00	0.00	1.00	0.00	6.65	18.24	2.00	0.00	1.00	0.00
6.66	18.10	2.00	0.00	1.00	0.00	6.67	18.09	2.00	0.00	1.00	0.00
6.68	18.08	2.00	0.00	1.00	0.00	6.69	17.71	2.00	0.00	1.00	0.00
6.70	17.58	2.00	0.00	1.00	0.00	6.71	17.45	2.00	0.00	1.00	0.00
6.72	17.55	2.00	0.00	1.00	0.00	6.73	17.90	2.00	0.00	1.00	0.00
6.74	18.24	2.00	0.00	1.00	0.00	6.75	18.70	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
6.76	18.93	2.00	0.00	1.00	0.00	6.77	18.80	2.00	0.00	1.00	0.00
6.78	18.78	2.00	0.00	1.00	0.00	6.79	18.77	2.00	0.00	1.00	0.00
6.80	18.64	2.00	0.00	1.00	0.00	6.81	18.39	2.00	0.00	1.00	0.00
6.82	18.03	2.00	0.00	1.00	0.00	6.83	17.90	2.00	0.00	1.00	0.00
6.84	17.53	2.00	0.00	1.00	0.00	6.85	17.40	2.00	0.00	1.00	0.00
6.86	17.15	2.00	0.00	1.00	0.00	6.87	16.79	2.00	0.00	1.00	0.00
6.88	16.54	2.00	0.00	1.00	0.00	6.89	16.65	2.00	0.00	1.00	0.00
6.90	16.64	2.00	0.00	1.00	0.00	6.91	16.63	2.00	0.00	1.00	0.00
6.92	16.62	2.00	0.00	1.00	0.00	6.93	16.73	2.00	0.00	1.00	0.00
6.94	17.30	2.00	0.00	1.00	0.00	6.95	17.41	2.00	0.00	1.00	0.00
6.96	17.51	2.00	0.00	1.00	0.00	6.97	17.97	2.00	0.00	1.00	0.00
6.98	18.20	2.00	0.00	1.00	0.00	6.99	18.42	2.00	0.00	1.00	0.00
7.00	18.87	2.00	0.00	1.00	0.00	7.01	18.75	2.00	0.00	1.00	0.00
7.02	18.73	2.00	0.00	1.00	0.00	7.03	18.61	2.00	0.00	1.00	0.00
7.04	18.59	2.00	0.00	1.00	0.00	7.05	18.81	2.00	0.00	1.00	0.00
7.06	19.04	2.00	0.00	1.00	0.00	7.07	19.25	2.00	0.00	1.00	0.00
7.08	19.24	2.00	0.00	1.00	0.00	7.09	19.23	2.00	0.00	1.00	0.00
7.10	19.22	2.00	0.00	1.00	0.00	7.11	19.32	2.00	0.00	1.00	0.00
7.12	19.07	2.00	0.00	1.00	0.00	7.13	18.83	2.00	0.00	1.00	0.00
7.14	18.70	2.00	0.00	1.00	0.00	7.15	18.58	2.00	0.00	1.00	0.00
7.16	18.45	2.00	0.00	1.00	0.00	7.17	18.67	2.00	0.00	1.00	0.00
7.18	19.12	2.00	0.00	1.00	0.00	7.19	19.11	2.00	0.00	1.00	0.00
7.20	19.32	2.00	0.00	1.00	0.00	7.21	19.89	2.00	0.00	1.00	0.00
7.22	20.33	2.00	0.00	1.00	0.00	7.23	21.12	2.00	0.00	1.00	0.00
7.24	21.11	2.00	0.00	1.00	0.00	7.25	21.10	2.00	0.00	1.00	0.00
7.26	21.08	2.00	0.00	1.00	0.00	7.27	21.19	2.00	0.00	1.00	0.00
7.28	21.74	2.00	0.00	1.00	0.00	7.29	22.42	2.00	0.00	1.00	0.00
7.30	22.63	2.00	0.00	1.00	0.00	7.31	22.39	2.00	0.00	1.00	0.00
7.32	22.15	2.00	0.00	1.00	0.00	7.33	21.90	2.00	0.00	1.00	0.00
7.34	21.66	2.00	0.00	1.00	0.00	7.35	21.42	2.00	0.00	1.00	0.00
7.36	21.41	2.00	0.00	1.00	0.00	7.37	21.51	2.00	0.00	1.00	0.00
7.38	21.72	2.00	0.00	1.00	0.00	7.39	21.82	2.00	0.00	1.00	0.00
7.40	21.92	2.00	0.00	1.00	0.00	7.41	22.47	2.00	0.00	1.00	0.00
7.42	22.80	2.00	0.00	1.00	0.00	7.43	23.46	2.00	0.00	1.00	0.00
7.44	24.13	2.00	0.00	1.00	0.00	7.45	25.01	2.00	0.00	1.00	0.00
7.46	25.11	2.00	0.00	1.00	0.00	7.47	25.32	2.00	0.00	1.00	0.00
7.48	25.53	2.00	0.00	1.00	0.00	7.49	25.85	2.00	0.00	1.00	0.00
7.50	26.17	2.00	0.00	1.00	0.00	7.51	26.71	2.00	0.00	1.00	0.00
7.52	26.70	2.00	0.00	1.00	0.00	7.53	26.34	2.00	0.00	1.00	0.00
7.54	26.21	2.00	0.00	1.00	0.00	7.55	26.75	2.00	0.00	1.00	0.00
7.56	26.96	2.00	0.00	1.00	0.00	7.57	27.28	2.00	0.00	1.00	0.00
7.58	27.59	2.00	0.00	1.00	0.00	7.59	27.91	2.00	0.00	1.00	0.00
7.60	27.89	2.00	0.00	1.00	0.00	7.61	27.88	2.00	0.00	1.00	0.00
7.62	28.08	2.00	0.00	1.00	0.00	7.63	27.84	2.00	0.00	1.00	0.00
7.64	27.82	2.00	0.00	1.00	0.00	7.65	27.47	2.00	0.00	1.00	0.00
7.66	27.12	2.00	0.00	1.00	0.00	7.67	26.99	2.00	0.00	1.00	0.00
7.68	26.65	2.00	0.00	1.00	0.00	7.69	26.63	2.00	0.00	1.00	0.00
7.70	26.28	2.00	0.00	1.00	0.00	7.71	25.82	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
7.72	25.80	2.00	0.00	1.00	0.00	7.73	25.57	2.00	0.00	1.00	0.00
7.74	25.66	2.00	0.00	1.00	0.00	7.75	25.65	2.00	0.00	1.00	0.00
7.76	25.74	2.00	0.00	1.00	0.00	7.77	25.73	2.00	0.00	1.00	0.00
7.78	25.72	2.00	0.00	1.00	0.00	7.79	25.92	2.00	0.00	1.00	0.00
7.80	25.91	2.00	0.00	1.00	0.00	7.81	25.89	2.00	0.00	1.00	0.00
7.82	26.76	2.00	0.00	1.00	0.00	7.83	26.74	2.00	0.00	1.00	0.00
7.84	26.62	2.00	0.00	1.00	0.00	7.85	26.38	2.00	0.00	1.00	0.00
7.86	26.48	2.00	0.00	1.00	0.00	7.87	26.46	2.00	0.00	1.00	0.00
7.88	26.00	2.00	0.00	1.00	0.00	7.89	25.66	2.00	0.00	1.00	0.00
7.90	25.31	2.00	0.00	1.00	0.00	7.91	25.30	2.00	0.00	1.00	0.00
7.92	25.28	2.00	0.00	1.00	0.00	7.93	25.82	2.00	0.00	1.00	0.00
7.94	25.58	2.00	0.00	1.00	0.00	7.95	25.35	2.00	0.00	1.00	0.00
7.96	25.33	2.00	0.00	1.00	0.00	7.97	25.43	2.00	0.00	1.00	0.00
7.98	25.74	2.00	0.00	1.00	0.00	7.99	25.73	2.00	0.00	1.00	0.00
8.00	25.71	2.00	0.00	1.00	0.00	8.01	25.91	2.00	0.00	1.00	0.00
8.02	26.01	2.00	0.00	1.00	0.00	8.03	26.21	2.00	0.00	1.00	0.00
8.04	26.20	2.00	0.00	1.00	0.00	8.05	26.62	2.00	0.00	1.00	0.00
8.06	26.60	2.00	0.00	1.00	0.00	8.07	26.69	2.00	0.00	1.00	0.00
8.08	26.46	2.00	0.00	1.00	0.00	8.09	26.56	2.00	0.00	1.00	0.00
8.10	26.65	2.00	0.00	1.00	0.00	8.11	26.63	2.00	0.00	1.00	0.00
8.12	27.05	2.00	0.00	1.00	0.00	8.13	27.14	2.00	0.00	1.00	0.00
8.14	27.13	2.00	0.00	1.00	0.00	8.15	27.11	2.00	0.00	1.00	0.00
8.16	27.21	2.00	0.00	1.00	0.00	8.17	27.19	2.00	0.00	1.00	0.00
8.18	27.17	2.00	0.00	1.00	0.00	8.19	26.83	2.00	0.00	1.00	0.00
8.20	27.03	2.00	0.00	1.00	0.00	8.21	27.02	2.00	0.00	1.00	0.00
8.22	26.89	2.00	0.00	1.00	0.00	8.23	26.88	2.00	0.00	1.00	0.00
8.24	26.75	2.00	0.00	1.00	0.00	8.25	26.42	2.00	0.00	1.00	0.00
8.26	26.29	2.00	0.00	1.00	0.00	8.27	26.38	2.00	0.00	1.00	0.00
8.28	26.48	2.00	0.00	1.00	0.00	8.29	26.57	2.00	0.00	1.00	0.00
8.30	26.98	2.00	0.00	1.00	0.00	8.31	27.08	2.00	0.00	1.00	0.00
8.32	27.17	2.00	0.00	1.00	0.00	8.33	27.05	2.00	0.00	1.00	0.00
8.34	27.03	2.00	0.00	1.00	0.00	8.35	26.91	2.00	0.00	1.00	0.00
8.36	26.78	2.00	0.00	1.00	0.00	8.37	26.56	2.00	0.00	1.00	0.00
8.38	26.43	2.00	0.00	1.00	0.00	8.39	26.74	2.00	0.00	1.00	0.00
8.40	27.47	2.00	0.00	1.00	0.00	8.41	28.09	2.00	0.00	1.00	0.00
8.42	29.04	2.00	0.00	1.00	0.00	8.43	29.66	2.00	0.00	1.00	0.00
8.44	30.07	2.00	0.00	1.00	0.00	8.45	30.27	2.00	0.00	1.00	0.00
8.46	30.67	2.00	0.00	1.00	0.00	8.47	30.98	2.00	0.00	1.00	0.00
8.48	31.38	2.00	0.00	1.00	0.00	8.49	31.68	2.00	0.00	1.00	0.00
8.50	31.56	2.00	0.00	1.00	0.00	8.51	31.54	2.00	0.00	1.00	0.00
8.52	31.63	2.00	0.00	1.00	0.00	8.53	32.46	2.00	0.00	1.00	0.00
8.54	32.97	2.00	0.00	1.00	0.00	8.55	33.38	2.00	0.00	1.00	0.00
8.56	33.67	2.00	0.00	1.00	0.00	8.57	33.86	2.00	0.00	1.00	0.00
8.58	34.16	2.00	0.00	1.00	0.00	8.59	34.56	2.00	0.00	1.00	0.00
8.60	34.33	2.00	0.00	1.00	0.00	8.61	34.21	2.00	0.00	1.00	0.00
8.62	33.98	2.00	0.00	1.00	0.00	8.63	34.06	2.00	0.00	1.00	0.00
8.64	34.15	2.00	0.00	1.00	0.00	8.65	34.23	2.00	0.00	1.00	0.00
8.66	34.32	2.00	0.00	1.00	0.00	8.67	34.41	2.00	0.00	1.00	0.00



<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
8.68	34.70	2.00	0.00	1.00	0.00	8.69	35.10	2.00	0.00	1.00	0.00
8.70	35.39	2.00	0.00	1.00	0.00	8.71	35.58	2.00	0.00	1.00	0.00
8.72	36.19	2.00	0.00	1.00	0.00	8.73	36.07	2.00	0.00	1.00	0.00
8.74	35.73	2.00	0.00	1.00	0.00	8.75	35.51	2.00	0.00	1.00	0.00
8.76	35.38	2.00	0.00	1.00	0.00	8.77	35.47	2.00	0.00	1.00	0.00
8.78	35.24	2.00	0.00	1.00	0.00	8.79	34.70	2.00	0.00	1.00	0.00
8.80	33.85	2.00	0.00	1.00	0.00	8.81	33.72	2.00	0.00	1.00	0.00
8.82	33.60	2.00	0.00	1.00	0.00	8.83	33.27	2.00	0.00	1.00	0.00
8.84	33.25	2.00	0.00	1.00	0.00	8.85	33.13	2.00	0.00	1.00	0.00
8.86	33.01	2.00	0.00	1.00	0.00	8.87	32.89	2.00	0.00	1.00	0.00
8.88	33.18	2.00	0.00	1.00	0.00	8.89	33.47	2.00	0.00	1.00	0.00
8.90	33.46	2.00	0.00	1.00	0.00	8.91	33.44	2.00	0.00	1.00	0.00
8.92	33.42	2.00	0.00	1.00	0.00	8.93	32.47	2.00	0.00	1.00	0.00
8.94	35.15	2.00	0.00	1.00	0.00	8.95	35.03	2.00	0.00	1.00	0.00
8.96	35.32	2.00	0.00	1.00	0.00	8.97	35.71	2.00	0.00	1.00	0.00
8.98	35.69	2.00	0.00	1.00	0.00	8.99	35.37	2.00	0.00	1.00	0.00
9.00	35.24	2.00	0.00	1.00	0.00	9.01	35.53	2.00	0.00	1.00	0.00
9.02	35.21	2.00	0.00	1.00	0.00	9.03	34.67	2.00	0.00	1.00	0.00
9.04	34.34	2.00	0.00	1.00	0.00	9.05	34.53	2.00	0.00	1.00	0.00
9.06	34.51	2.00	0.00	1.00	0.00	9.07	34.49	2.00	0.00	1.00	0.00
9.08	34.27	2.00	0.00	1.00	0.00	9.09	34.46	2.00	0.00	1.00	0.00
9.10	34.23	2.00	0.00	1.00	0.00	9.11	34.21	2.00	0.00	1.00	0.00
9.12	34.61	2.00	0.00	1.00	0.00	9.13	34.38	2.00	0.00	1.00	0.00
9.14	34.37	2.00	0.00	1.00	0.00	9.15	34.35	2.00	0.00	1.00	0.00
9.16	33.92	2.00	0.00	1.00	0.00	9.17	33.70	2.00	0.00	1.00	0.00
9.18	33.27	2.00	0.00	1.00	0.00	9.19	32.94	2.00	0.00	1.00	0.00
9.20	32.62	2.00	0.00	1.00	0.00	9.21	31.48	2.00	0.00	1.00	0.00
9.22	31.46	2.00	0.00	1.00	0.00	9.23	31.44	2.00	0.00	1.00	0.00
9.24	31.42	2.00	0.00	1.00	0.00	9.25	31.31	2.00	0.00	1.00	0.00
9.26	31.39	2.00	0.00	1.00	0.00	9.27	32.09	2.00	0.00	1.00	0.00
9.28	32.48	2.00	0.00	1.00	0.00	9.29	32.57	2.00	0.00	1.00	0.00
9.30	33.78	2.00	0.00	1.00	0.00	9.31	34.78	2.00	0.00	1.00	0.00
9.32	35.68	2.00	0.00	1.00	0.00	9.33	36.07	2.00	0.00	1.00	0.00
9.34	37.78	2.00	0.00	1.00	0.00	9.35	38.57	2.00	0.00	1.00	0.00
9.36	38.35	2.00	0.00	1.00	0.00	9.37	39.05	2.00	0.00	1.00	0.00
9.38	39.53	2.00	0.00	1.00	0.00	9.39	39.51	2.00	0.00	1.00	0.00
9.40	40.10	2.00	0.00	1.00	0.00	9.41	39.98	2.00	0.00	1.00	0.00
9.42	38.95	2.00	0.00	1.00	0.00	9.43	37.51	2.00	0.00	1.00	0.00
9.44	36.98	2.00	0.00	1.00	0.00	9.45	35.44	2.00	0.00	1.00	0.00
9.46	34.61	2.00	0.00	1.00	0.00	9.47	33.38	2.00	0.00	1.00	0.00
9.48	32.15	2.00	0.00	1.00	0.00	9.49	31.73	2.00	0.00	1.00	0.00
9.50	30.60	2.00	0.00	1.00	0.00	9.51	29.97	2.00	0.00	1.00	0.00
9.52	28.95	2.00	0.00	1.00	0.00	9.53	27.41	2.00	0.00	1.00	0.00
9.54	26.09	2.00	0.00	1.00	0.00	9.55	24.76	2.00	0.00	1.00	0.00
9.56	24.44	2.00	0.00	1.00	0.00	9.57	24.23	2.00	0.00	1.00	0.00
9.58	23.91	2.00	0.00	1.00	0.00	9.59	23.80	2.00	0.00	1.00	0.00
9.60	23.89	2.00	0.00	1.00	0.00	9.61	24.08	2.00	0.00	1.00	0.00
9.62	24.27	2.00	0.00	1.00	0.00	9.63	23.95	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
9.64	23.94	2.00	0.00	1.00	0.00	9.65	24.13	2.00	0.00	1.00	0.00
9.66	24.12	2.00	0.00	1.00	0.00	9.67	23.91	2.00	0.00	1.00	0.00
9.68	23.79	2.00	0.00	1.00	0.00	9.69	23.58	2.00	0.00	1.00	0.00
9.70	23.57	2.00	0.00	1.00	0.00	9.71	23.36	2.00	0.00	1.00	0.00
9.72	23.25	2.00	0.00	1.00	0.00	9.73	23.54	2.00	0.00	1.00	0.00
9.74	23.43	2.00	0.00	1.00	0.00	9.75	23.41	2.00	0.00	1.00	0.00
9.76	23.50	2.00	0.00	1.00	0.00	9.77	22.89	2.00	0.00	1.00	0.00
9.78	22.68	2.00	0.00	1.00	0.00	9.79	22.67	2.00	0.00	1.00	0.00
9.80	22.56	2.00	0.00	1.00	0.00	9.81	22.35	2.00	0.00	1.00	0.00
9.82	22.23	2.00	0.00	1.00	0.00	9.83	21.92	2.00	0.00	1.00	0.00
9.84	21.91	2.00	0.00	1.00	0.00	9.85	21.90	2.00	0.00	1.00	0.00
9.86	21.89	2.00	0.00	1.00	0.00	9.87	21.88	2.00	0.00	1.00	0.00
9.88	21.87	2.00	0.00	1.00	0.00	9.89	21.86	2.00	0.00	1.00	0.00
9.90	21.85	2.00	0.00	1.00	0.00	9.91	21.84	2.00	0.00	1.00	0.00
9.92	21.83	2.00	0.00	1.00	0.00	9.93	22.42	2.00	0.00	1.00	0.00
9.94	22.50	2.00	0.00	1.00	0.00	9.95	22.39	2.00	0.00	1.00	0.00
9.96	22.28	2.00	0.00	1.00	0.00	9.97	21.78	2.00	0.00	1.00	0.00
9.98	21.17	2.00	0.00	1.00	0.00	9.99	20.86	2.00	0.00	1.00	0.00
10.00	20.45	2.00	0.00	1.00	0.00	10.01	19.95	2.00	0.00	1.00	0.00
10.02	19.84	2.00	0.00	1.00	0.00	10.03	19.63	2.00	0.00	1.00	0.00
10.04	19.52	2.00	0.00	1.00	0.00	10.05	19.22	2.00	0.00	1.00	0.00
10.06	19.11	2.00	0.00	1.00	0.00	10.07	18.90	2.00	0.00	1.00	0.00
10.08	18.50	2.00	0.00	1.00	0.00	10.09	18.39	2.00	0.00	1.00	0.00
10.10	18.08	2.00	0.00	1.00	0.00	10.11	18.07	2.00	0.00	1.00	0.00
10.12	18.07	2.00	0.00	1.00	0.00	10.13	17.96	2.00	0.00	1.00	0.00
10.14	17.95	2.00	0.00	1.00	0.00	10.15	17.74	2.00	0.00	1.00	0.00
10.16	17.64	2.00	0.00	1.00	0.00	10.17	17.43	2.00	0.00	1.00	0.00
10.18	17.42	2.00	0.00	1.00	0.00	10.19	17.22	2.00	0.00	1.00	0.00
10.20	16.91	2.00	0.00	1.00	0.00	10.21	16.71	2.00	0.00	1.00	0.00
10.22	16.41	2.00	0.00	1.00	0.00	10.23	16.10	2.00	0.00	1.00	0.00
10.24	16.00	2.00	0.00	1.00	0.00	10.25	15.60	2.00	0.00	1.00	0.00
10.26	15.40	2.00	0.00	1.00	0.00	10.27	15.00	2.00	0.00	1.00	0.00
10.28	14.89	2.00	0.00	1.00	0.00	10.29	14.39	2.00	0.00	1.00	0.00
10.30	14.29	2.00	0.00	1.00	0.00	10.31	14.28	2.00	0.00	1.00	0.00
10.32	14.08	2.00	0.00	1.00	0.00	10.33	13.98	2.00	0.00	1.00	0.00
10.34	13.97	2.00	0.00	1.00	0.00	10.35	13.96	2.00	0.00	1.00	0.00
10.36	13.96	2.00	0.00	1.00	0.00	10.37	14.05	2.00	0.00	1.00	0.00
10.38	14.14	2.00	0.00	1.00	0.00	10.39	14.52	2.00	0.00	1.00	0.00
10.40	14.71	2.00	0.00	1.00	0.00	10.41	14.80	2.00	0.00	1.00	0.00
10.42	14.80	2.00	0.00	1.00	0.00	10.43	14.69	2.00	0.00	1.00	0.00
10.44	14.68	2.00	0.00	1.00	0.00	10.45	14.68	2.00	0.00	1.00	0.00
10.46	14.67	2.00	0.00	1.00	0.00	10.47	15.05	2.00	0.00	1.00	0.00
10.48	15.44	2.00	0.00	1.00	0.00	10.49	15.43	2.00	0.00	1.00	0.00
10.50	15.23	2.00	0.00	1.00	0.00	10.51	15.22	2.00	0.00	1.00	0.00
10.52	15.41	2.00	0.00	1.00	0.00	10.53	15.40	2.00	0.00	1.00	0.00
10.54	15.49	2.00	0.00	1.00	0.00	10.55	15.78	2.00	0.00	1.00	0.00
10.56	15.77	2.00	0.00	1.00	0.00	10.57	15.67	2.00	0.00	1.00	0.00
10.58	15.37	2.00	0.00	1.00	0.00	10.59	14.97	2.00	0.00	1.00	0.00

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

Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
10.60	14.97	2.00	0.00	1.00	0.00	10.61	14.77	2.00	0.00	1.00	0.00
10.62	14.57	2.00	0.00	1.00	0.00	10.63	14.08	2.00	0.00	1.00	0.00
10.64	13.78	2.00	0.00	1.00	0.00	10.65	13.78	2.00	0.00	1.00	0.00
10.66	13.87	2.00	0.00	1.00	0.00	10.67	13.76	2.00	0.00	1.00	0.00
10.68	13.76	2.00	0.00	1.00	0.00	10.69	14.04	2.00	0.00	1.00	0.00
10.70	14.13	2.00	0.00	1.00	0.00	10.71	14.12	2.00	0.00	1.00	0.00
10.72	14.21	2.00	0.00	1.00	0.00	10.73	14.21	2.00	0.00	1.00	0.00
10.74	14.49	2.00	0.00	1.00	0.00	10.75	14.58	2.00	0.00	1.00	0.00
10.76	14.67	2.00	0.00	1.00	0.00	10.77	14.95	2.00	0.00	1.00	0.00
10.78	15.04	2.00	0.00	1.00	0.00	10.79	15.23	2.00	0.00	1.00	0.00
10.80	15.80	2.00	0.00	1.00	0.00	10.81	15.98	2.00	0.00	1.00	0.00
10.82	15.78	2.00	0.00	1.00	0.00	10.83	15.49	2.00	0.00	1.00	0.00
10.84	15.77	2.00	0.00	1.00	0.00	10.85	15.57	2.00	0.00	1.00	0.00
10.86	15.56	2.00	0.00	1.00	0.00	10.87	15.75	2.00	0.00	1.00	0.00
10.88	15.74	2.00	0.00	1.00	0.00	10.89	15.64	2.00	0.00	1.00	0.00
10.90	15.63	2.00	0.00	1.00	0.00	10.91	15.63	2.00	0.00	1.00	0.00
10.92	15.62	2.00	0.00	1.00	0.00	10.93	15.42	2.00	0.00	1.00	0.00
10.94	15.42	2.00	0.00	1.00	0.00	10.95	15.50	2.00	0.00	1.00	0.00
10.96	15.12	2.00	0.00	1.00	0.00	10.97	15.01	2.00	0.00	1.00	0.00
10.98	14.91	2.00	0.00	1.00	0.00	10.99	15.10	2.00	0.00	1.00	0.00
11.00	15.00	2.00	0.00	1.00	0.00	11.01	14.61	2.00	0.00	1.00	0.00
11.02	14.70	2.00	0.00	1.00	0.00	11.03	15.07	2.00	0.00	1.00	0.00
11.04	15.45	2.00	0.00	1.00	0.00	11.05	15.72	2.00	0.00	1.00	0.00
11.06	16.00	2.00	0.00	1.00	0.00	11.07	16.38	2.00	0.00	1.00	0.00
11.08	16.27	2.00	0.00	1.00	0.00	11.09	16.17	2.00	0.00	1.00	0.00
11.10	16.26	2.00	0.00	1.00	0.00	11.11	16.44	2.00	0.00	1.00	0.00
11.12	16.34	2.00	0.00	1.00	0.00	11.13	17.09	2.00	0.00	1.00	0.00
11.14	16.71	2.00	0.00	1.00	0.00	11.15	16.89	2.00	0.00	1.00	0.00
11.16	17.17	2.00	0.00	1.00	0.00	11.17	17.26	2.00	0.00	1.00	0.00
11.18	18.20	2.00	0.00	1.00	0.00	11.19	19.32	2.00	0.00	1.00	0.00
11.20	18.09	2.00	0.00	1.00	0.00	11.21	17.70	2.00	0.00	1.00	0.00
11.22	17.13	2.00	0.00	1.00	0.00	11.23	17.02	2.00	0.00	1.00	0.00
11.24	16.92	2.00	0.00	1.00	0.00	11.25	16.91	2.00	0.00	1.00	0.00
11.26	17.00	2.00	0.00	1.00	0.00	11.27	17.47	2.00	0.00	1.00	0.00
11.28	16.89	2.00	0.00	1.00	0.00	11.29	16.79	2.00	0.00	1.00	0.00
11.30	16.60	2.00	0.00	1.00	0.00	11.31	16.59	2.00	0.00	1.00	0.00
11.32	16.49	2.00	0.00	1.00	0.00	11.33	16.29	2.00	0.00	1.00	0.00
11.34	16.47	2.00	0.00	1.00	0.00	11.35	16.18	2.00	0.00	1.00	0.00
11.36	15.80	2.00	0.00	1.00	0.00	11.37	15.70	2.00	0.00	1.00	0.00
11.38	15.41	2.00	0.00	1.00	0.00	11.39	15.41	2.00	0.00	1.00	0.00
11.40	15.31	2.00	0.00	1.00	0.00	11.41	15.30	2.00	0.00	1.00	0.00
11.42	14.82	2.00	0.00	1.00	0.00	11.43	14.54	2.00	0.00	1.00	0.00
11.44	14.34	2.00	0.00	1.00	0.00	11.45	14.62	2.00	0.00	1.00	0.00
11.46	14.52	2.00	0.00	1.00	0.00	11.47	14.42	2.00	0.00	1.00	0.00
11.48	14.50	2.00	0.00	1.00	0.00	11.49	14.41	2.00	0.00	1.00	0.00
11.50	14.21	2.00	0.00	1.00	0.00	11.51	14.02	2.00	0.00	1.00	0.00
11.52	13.73	2.00	0.00	1.00	0.00	11.53	13.64	2.00	0.00	1.00	0.00
11.54	13.91	2.00	0.00	1.00	0.00	11.55	13.90	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)	Depth (m)	q <sub>c1N,cs</sub>	FS	e <sub>v</sub> (%)	DF	Settlement (cm)
11.56	13.62	2.00	0.00	1.00	0.00	11.57	14.08	2.00	0.00	1.00	0.00
11.58	14.35	2.00	0.00	1.00	0.00	11.59	13.51	2.00	0.00	1.00	0.00
11.60	13.50	2.00	0.00	1.00	0.00	11.61	13.96	2.00	0.00	1.00	0.00
11.62	13.86	2.00	0.00	1.00	0.00	11.63	13.95	2.00	0.00	1.00	0.00
11.64	13.95	2.00	0.00	1.00	0.00	11.65	13.66	2.00	0.00	1.00	0.00
11.66	13.47	2.00	0.00	1.00	0.00	11.67	13.19	2.00	0.00	1.00	0.00
11.68	13.09	2.00	0.00	1.00	0.00	11.69	12.99	2.00	0.00	1.00	0.00
11.70	12.90	2.00	0.00	1.00	0.00	11.71	12.89	2.00	0.00	1.00	0.00
11.72	12.79	2.00	0.00	1.00	0.00	11.73	12.60	2.00	0.00	1.00	0.00
11.74	12.51	2.00	0.00	1.00	0.00	11.75	12.50	2.00	0.00	1.00	0.00
11.76	12.40	2.00	0.00	1.00	0.00	11.77	12.31	2.00	0.00	1.00	0.00
11.78	12.21	2.00	0.00	1.00	0.00	11.79	12.39	2.00	0.00	1.00	0.00
11.80	12.48	2.00	0.00	1.00	0.00	11.81	12.56	2.00	0.00	1.00	0.00
11.82	12.56	2.00	0.00	1.00	0.00	11.83	12.56	2.00	0.00	1.00	0.00
11.84	12.64	2.00	0.00	1.00	0.00	11.85	12.55	2.00	0.00	1.00	0.00
11.86	12.45	2.00	0.00	1.00	0.00	11.87	12.26	2.00	0.00	1.00	0.00
11.88	12.16	2.00	0.00	1.00	0.00	11.89	11.88	2.00	0.00	1.00	0.00
11.90	12.16	2.00	0.00	1.00	0.00	11.91	12.15	2.00	0.00	1.00	0.00
11.92	12.14	2.00	0.00	1.00	0.00	11.93	16.55	2.00	0.00	1.00	0.00
11.94	72.48	0.27	4.40	1.00	0.04	11.95	72.43	0.27	4.41	1.00	0.04
11.96	73.01	0.27	4.37	1.00	0.04	11.97	74.23	0.28	4.31	1.00	0.04
11.98	17.43	2.00	0.00	1.00	0.00	11.99	15.87	2.00	0.00	1.00	0.00
12.00	14.49	2.00	0.00	1.00	0.00	12.01	14.03	2.00	0.00	1.00	0.00
12.02	14.03	2.00	0.00	1.00	0.00	12.03	14.11	2.00	0.00	1.00	0.00
12.04	14.39	2.00	0.00	1.00	0.00	12.05	14.47	2.00	0.00	1.00	0.00
12.06	14.92	2.00	0.00	1.00	0.00	12.07	15.10	2.00	0.00	1.00	0.00
12.08	16.01	2.00	0.00	1.00	0.00	12.09	15.82	2.00	0.00	1.00	0.00
12.10	16.27	2.00	0.00	1.00	0.00	12.11	16.63	2.00	0.00	1.00	0.00
12.12	16.72	2.00	0.00	1.00	0.00	12.13	16.80	2.00	0.00	1.00	0.00
12.14	17.07	2.00	0.00	1.00	0.00	12.15	17.43	2.00	0.00	1.00	0.00
12.16	17.79	2.00	0.00	1.00	0.00	12.17	17.96	2.00	0.00	1.00	0.00
12.18	17.96	2.00	0.00	1.00	0.00	12.19	17.95	2.00	0.00	1.00	0.00
12.20	17.86	2.00	0.00	1.00	0.00	12.21	18.03	2.00	0.00	1.00	0.00
12.22	18.21	2.00	0.00	1.00	0.00	12.23	18.48	2.00	0.00	1.00	0.00
12.24	18.56	2.00	0.00	1.00	0.00	12.25	18.37	2.00	0.00	1.00	0.00
12.26	18.36	2.00	0.00	1.00	0.00	12.27	18.54	2.00	0.00	1.00	0.00
12.28	18.53	2.00	0.00	1.00	0.00	12.29	18.52	2.00	0.00	1.00	0.00
12.30	18.34	2.00	0.00	1.00	0.00	12.31	17.87	2.00	0.00	1.00	0.00
12.32	17.77	2.00	0.00	1.00	0.00	12.33	17.86	2.00	0.00	1.00	0.00
12.34	17.85	2.00	0.00	1.00	0.00	12.35	17.66	2.00	0.00	1.00	0.00
12.36	17.74	2.00	0.00	1.00	0.00	12.37	18.01	2.00	0.00	1.00	0.00
12.38	18.09	2.00	0.00	1.00	0.00	12.39	18.45	2.00	0.00	1.00	0.00
12.40	18.90	2.00	0.00	1.00	0.00	12.41	19.07	2.00	0.00	1.00	0.00
12.42	19.43	2.00	0.00	1.00	0.00	12.43	20.33	2.00	0.00	1.00	0.00
12.44	20.04	2.00	0.00	1.00	0.00	12.45	20.31	2.00	0.00	1.00	0.00
12.46	21.21	2.00	0.00	1.00	0.00	12.47	21.11	2.00	0.00	1.00	0.00
12.48	21.10	2.00	0.00	1.00	0.00	12.49	21.00	2.00	0.00	1.00	0.00
12.50	21.08	2.00	0.00	1.00	0.00	12.51	21.07	2.00	0.00	1.00	0.00

<b>:: Post-earthquake settlement due to soil liquefaction :: (continued)</b>											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
12.52	21.16	2.00	0.00	1.00	0.00	12.53	21.33	2.00	0.00	1.00	0.00
12.54	21.50	2.00	0.00	1.00	0.00	12.55	21.49	2.00	0.00	1.00	0.00
12.56	22.03	2.00	0.00	1.00	0.00	12.57	22.02	2.00	0.00	1.00	0.00
12.58	21.74	2.00	0.00	1.00	0.00	12.59	21.82	2.00	0.00	1.00	0.00
12.60	21.91	2.00	0.00	1.00	0.00	12.61	22.44	2.00	0.00	1.00	0.00
12.62	22.79	2.00	0.00	1.00	0.00	12.63	22.33	2.00	0.00	1.00	0.00
12.64	22.41	2.00	0.00	1.00	0.00	12.65	22.77	2.00	0.00	1.00	0.00
12.66	22.85	2.00	0.00	1.00	0.00	12.67	23.02	2.00	0.00	1.00	0.00
12.68	23.28	2.00	0.00	1.00	0.00	12.69	23.99	2.00	0.00	1.00	0.00
12.70	24.44	2.00	0.00	1.00	0.00	12.71	23.52	2.00	0.00	1.00	0.00
12.72	23.51	2.00	0.00	1.00	0.00	12.73	23.42	2.00	0.00	1.00	0.00
12.74	23.68	2.00	0.00	1.00	0.00	12.75	23.94	2.00	0.00	1.00	0.00
12.76	23.84	2.00	0.00	1.00	0.00	12.77	23.56	2.00	0.00	1.00	0.00
12.78	23.82	2.00	0.00	1.00	0.00	12.79	23.90	2.00	0.00	1.00	0.00
12.80	24.34	2.00	0.00	1.00	0.00	12.81	24.60	2.00	0.00	1.00	0.00
12.82	24.95	2.00	0.00	1.00	0.00	12.83	24.85	2.00	0.00	1.00	0.00
12.84	24.93	2.00	0.00	1.00	0.00	12.85	24.83	2.00	0.00	1.00	0.00
12.86	24.64	2.00	0.00	1.00	0.00	12.87	24.36	2.00	0.00	1.00	0.00
12.88	24.53	2.00	0.00	1.00	0.00	12.89	24.97	2.00	0.00	1.00	0.00
12.90	24.96	2.00	0.00	1.00	0.00	12.91	24.95	2.00	0.00	1.00	0.00
12.92	24.94	2.00	0.00	1.00	0.00	12.93	24.22	2.00	0.00	1.00	0.00
12.94	24.12	2.00	0.00	1.00	0.00	12.95	24.20	2.00	0.00	1.00	0.00
12.96	24.10	2.00	0.00	1.00	0.00	12.97	23.82	2.00	0.00	1.00	0.00
12.98	23.46	2.00	0.00	1.00	0.00	12.99	23.09	2.00	0.00	1.00	0.00
13.00	22.81	2.00	0.00	1.00	0.00	13.01	22.72	2.00	0.00	1.00	0.00
13.02	22.62	2.00	0.00	1.00	0.00	13.03	22.43	2.00	0.00	1.00	0.00
13.04	21.71	2.00	0.00	1.00	0.00	13.05	21.43	2.00	0.00	1.00	0.00
13.06	21.42	2.00	0.00	1.00	0.00	13.07	21.05	2.00	0.00	1.00	0.00
13.08	20.78	2.00	0.00	1.00	0.00	13.09	20.68	2.00	0.00	1.00	0.00
13.10	20.76	2.00	0.00	1.00	0.00	13.11	20.75	2.00	0.00	1.00	0.00
13.12	20.75	2.00	0.00	1.00	0.00	13.13	20.83	2.00	0.00	1.00	0.00
13.14	20.91	2.00	0.00	1.00	0.00	13.15	21.16	2.00	0.00	1.00	0.00
13.16	21.07	2.00	0.00	1.00	0.00	13.17	21.06	2.00	0.00	1.00	0.00
13.18	21.14	2.00	0.00	1.00	0.00	13.19	21.22	2.00	0.00	1.00	0.00
13.20	21.47	2.00	0.00	1.00	0.00	13.21	21.64	2.00	0.00	1.00	0.00
13.22	21.28	2.00	0.00	1.00	0.00	13.23	21.45	2.00	0.00	1.00	0.00
13.24	21.18	2.00	0.00	1.00	0.00	13.25	21.17	2.00	0.00	1.00	0.00
13.26	21.16	2.00	0.00	1.00	0.00	13.27	21.24	2.00	0.00	1.00	0.00
13.28	21.14	2.00	0.00	1.00	0.00	13.29	21.05	2.00	0.00	1.00	0.00
13.30	21.13	2.00	0.00	1.00	0.00	13.31	21.21	2.00	0.00	1.00	0.00
13.32	20.85	2.00	0.00	1.00	0.00	13.33	20.66	2.00	0.00	1.00	0.00
13.34	20.57	2.00	0.00	1.00	0.00	13.35	20.73	2.00	0.00	1.00	0.00
13.36	20.90	2.00	0.00	1.00	0.00	13.37	20.72	2.00	0.00	1.00	0.00
13.38	20.80	2.00	0.00	1.00	0.00	13.39	21.58	2.00	0.00	1.00	0.00
13.40	21.48	2.00	0.00	1.00	0.00	13.41	21.65	2.00	0.00	1.00	0.00
13.42	21.82	2.00	0.00	1.00	0.00	13.43	22.25	2.00	0.00	1.00	0.00
13.44	22.59	2.00	0.00	1.00	0.00	13.45	23.38	2.00	0.00	1.00	0.00
13.46	23.72	2.00	0.00	1.00	0.00	13.47	23.53	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	$e_v$ (%)	DF	Settlement (cm)
13.48	23.35	2.00	0.00	1.00	0.00	13.49	23.70	2.00	0.00	1.00	0.00
13.50	23.33	2.00	0.00	1.00	0.00	13.51	23.06	2.00	0.00	1.00	0.00
13.52	23.23	2.00	0.00	1.00	0.00	13.53	23.49	2.00	0.00	1.00	0.00
13.54	23.21	2.00	0.00	1.00	0.00	13.55	23.47	2.00	0.00	1.00	0.00
13.56	23.64	2.00	0.00	1.00	0.00	13.57	23.71	2.00	0.00	1.00	0.00
13.58	23.53	2.00	0.00	1.00	0.00	13.59	23.43	2.00	0.00	1.00	0.00
13.60	23.42	2.00	0.00	1.00	0.00	13.61	23.59	2.00	0.00	1.00	0.00
13.62	24.02	2.00	0.00	1.00	0.00	13.63	23.92	2.00	0.00	1.00	0.00
13.64	23.91	2.00	0.00	1.00	0.00	13.65	23.99	2.00	0.00	1.00	0.00
13.66	24.33	2.00	0.00	1.00	0.00	13.67	24.58	2.00	0.00	1.00	0.00
13.68	24.75	2.00	0.00	1.00	0.00	13.69	25.09	2.00	0.00	1.00	0.00
13.70	25.35	2.00	0.00	1.00	0.00	13.71	25.16	2.00	0.00	1.00	0.00
13.72	25.59	2.00	0.00	1.00	0.00	13.73	25.93	2.00	0.00	1.00	0.00
13.74	25.74	2.00	0.00	1.00	0.00	13.75	26.35	2.00	0.00	1.00	0.00
13.76	26.77	2.00	0.00	1.00	0.00	13.77	27.03	2.00	0.00	1.00	0.00
13.78	27.37	2.00	0.00	1.00	0.00	13.79	27.71	2.00	0.00	1.00	0.00
13.80	27.96	2.00	0.00	1.00	0.00						

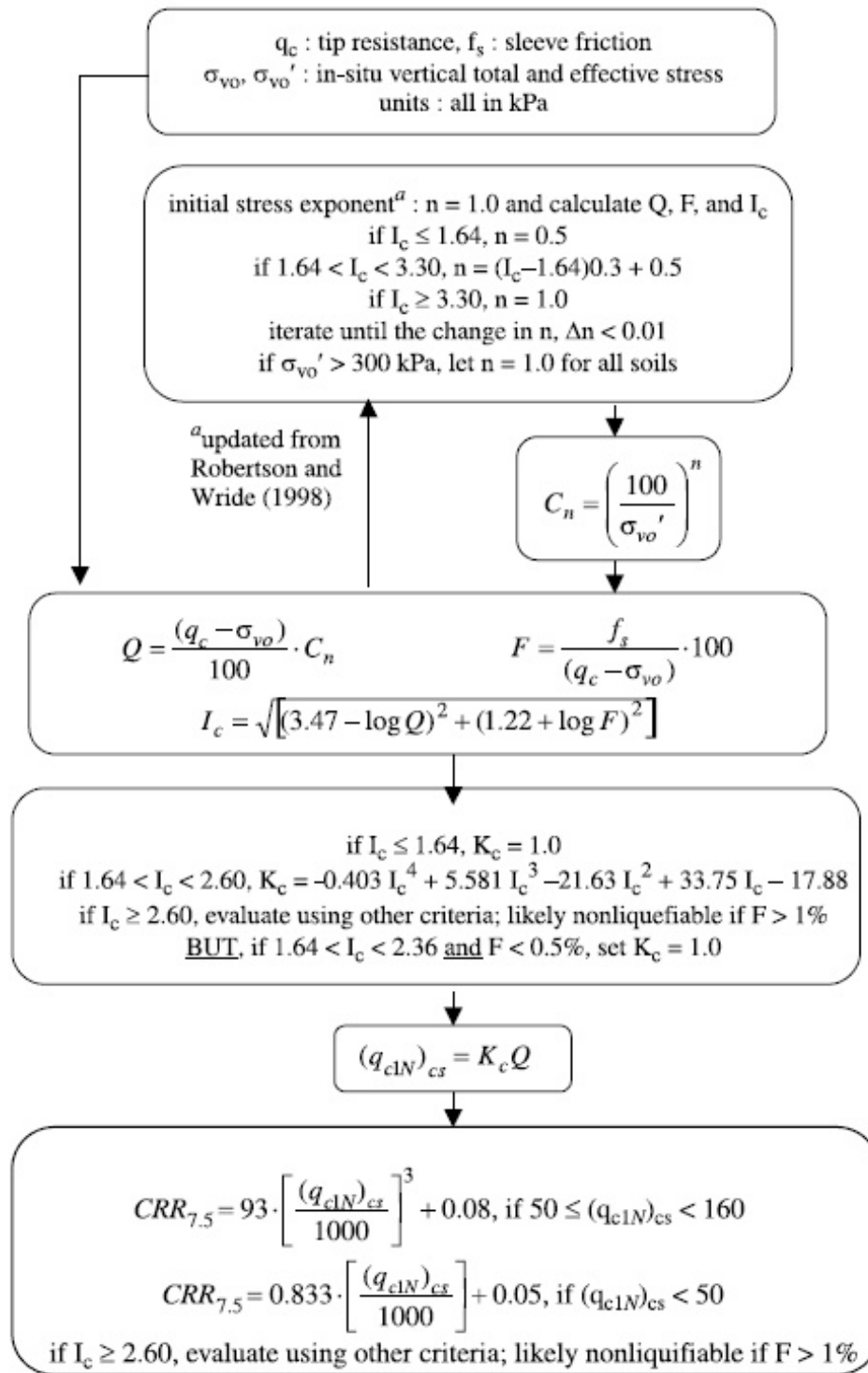
**Total estimated settlement: 13.15**

#### Abbreviations

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

## Procedure for the evaluation of soil liquefaction resistance, NCEER (1998)

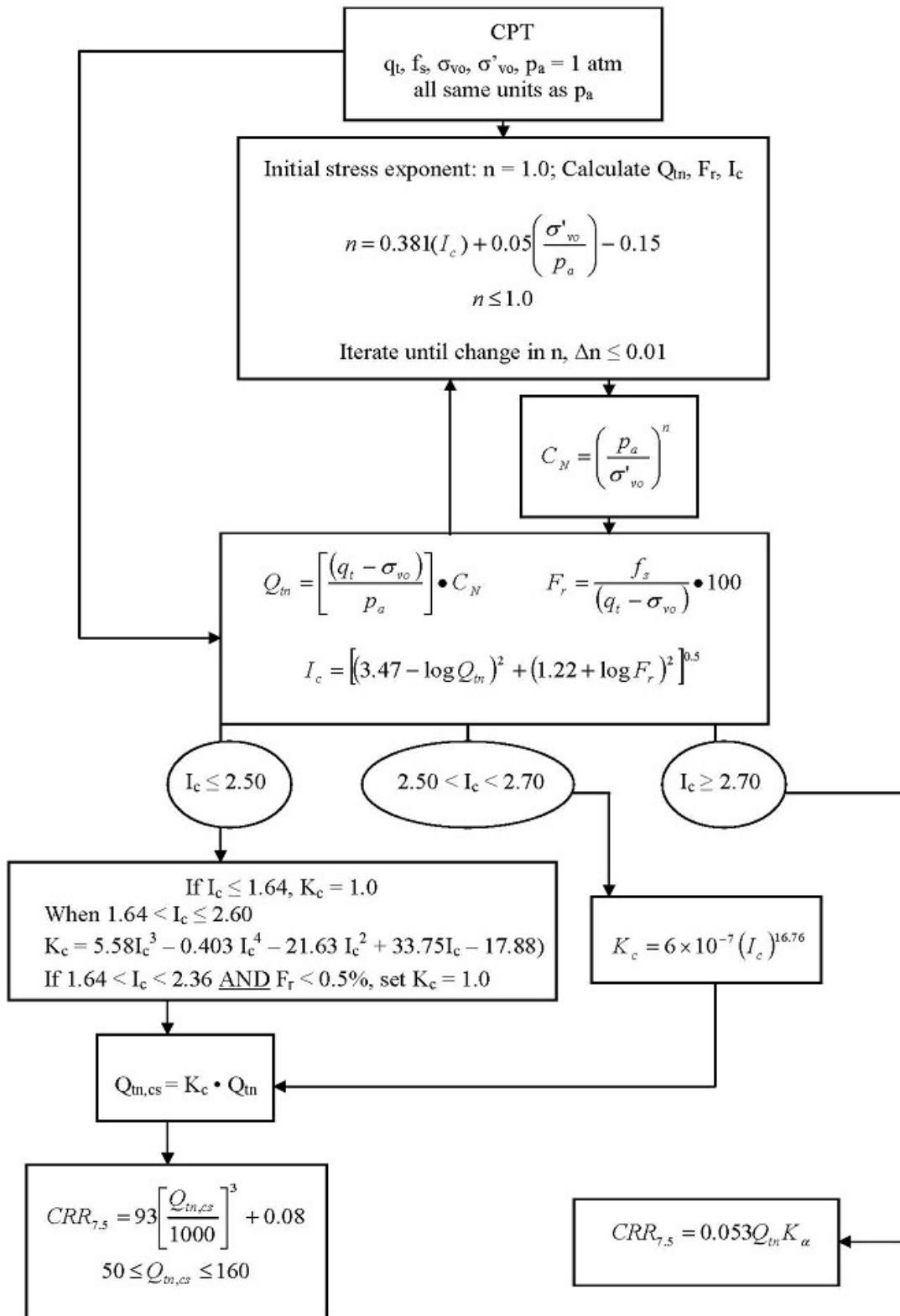
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart<sup>1</sup>:



<sup>1</sup> "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

## Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

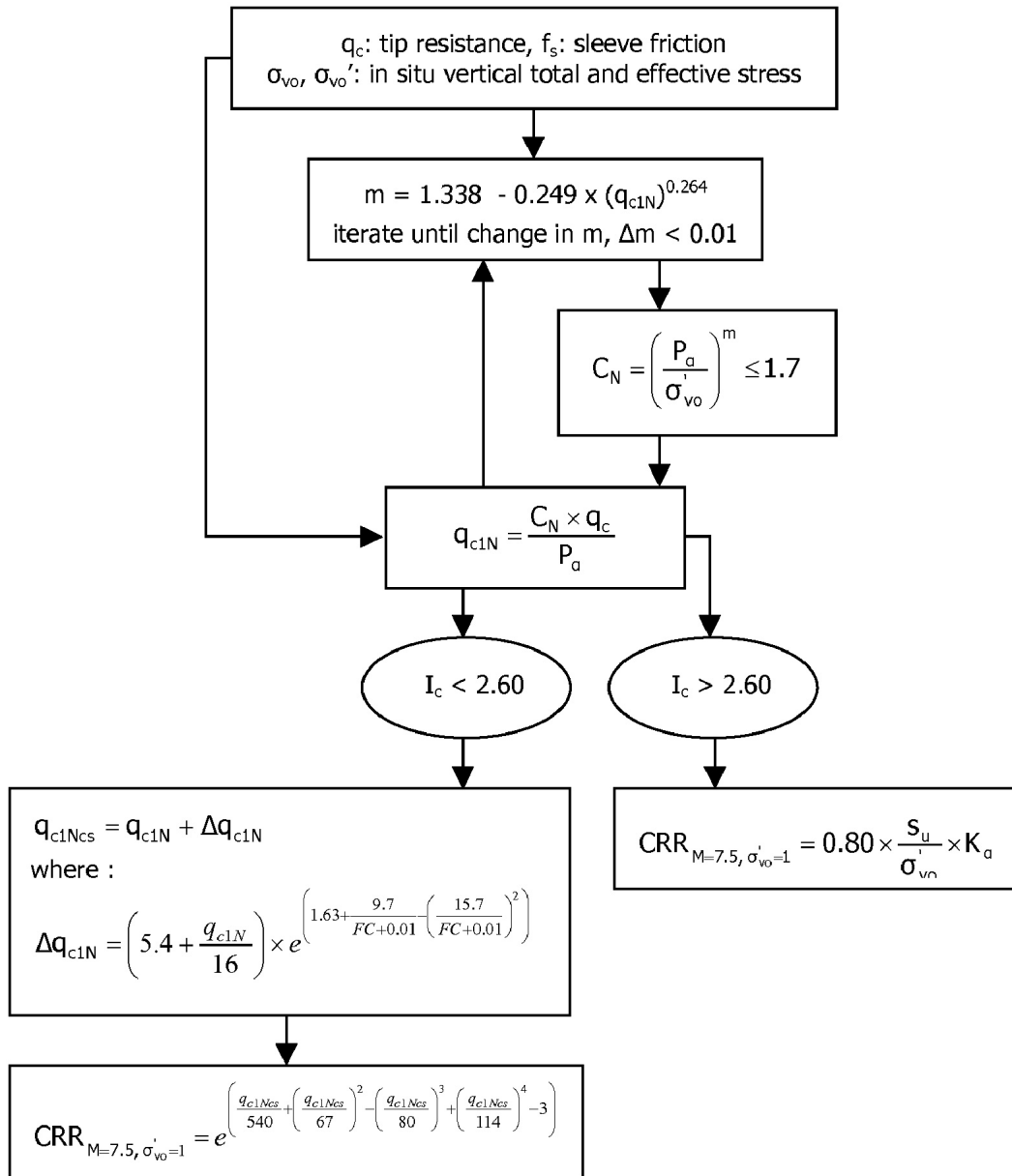
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. This procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart<sup>1</sup>:



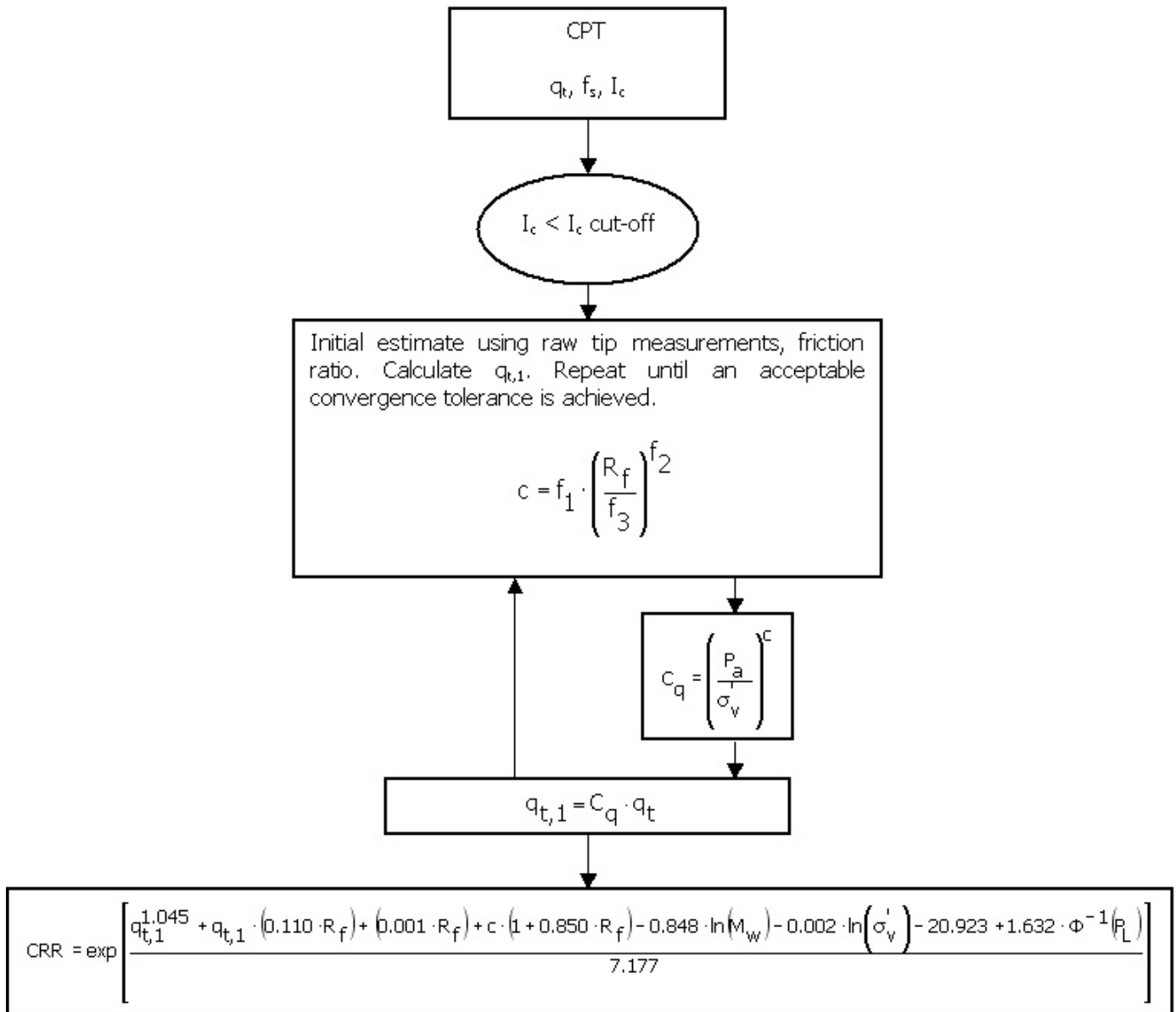
<sup>1</sup> P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009



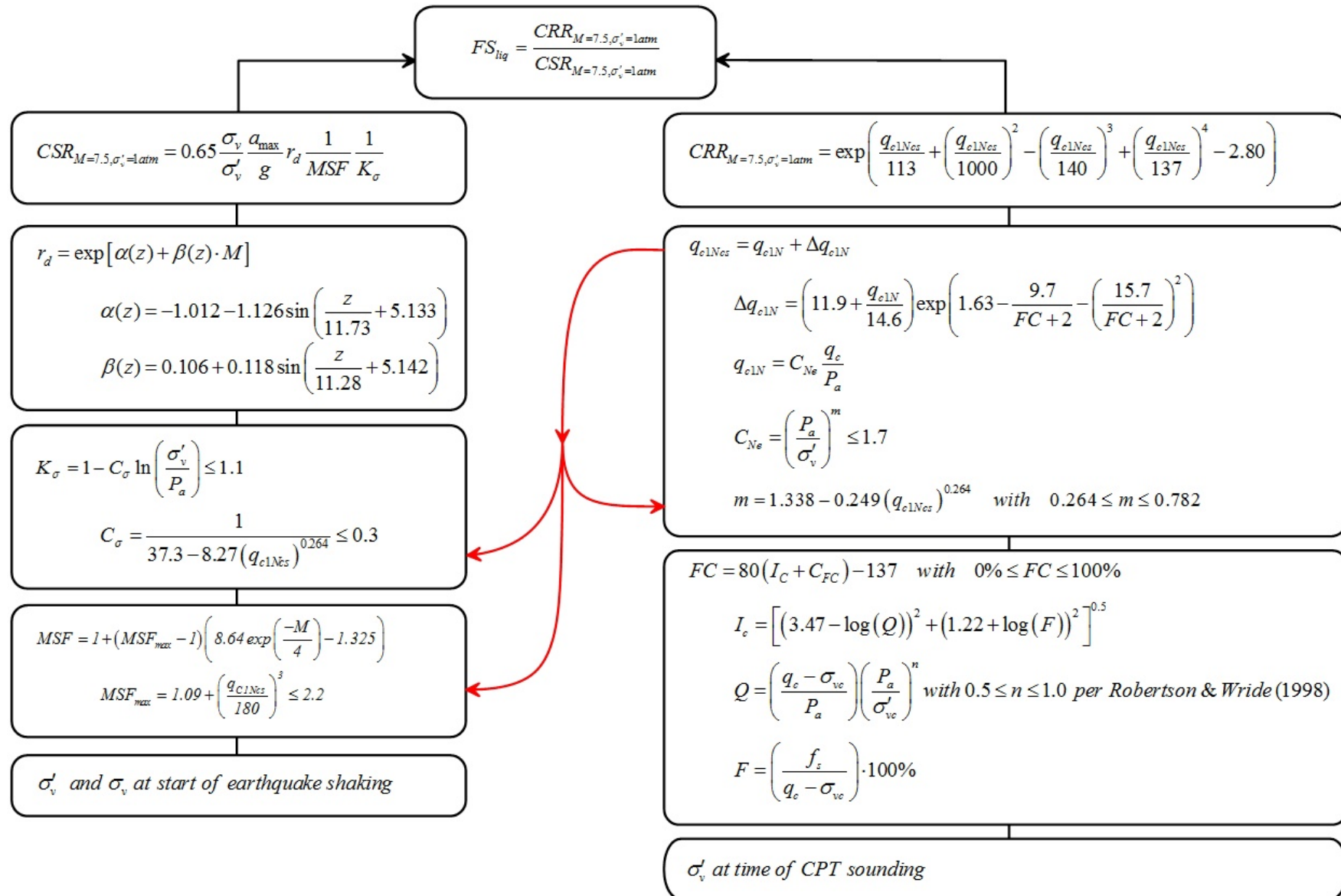
**Procedure for the evaluation of soil liquefaction resistance, Idriss & Boulanger (2008)**



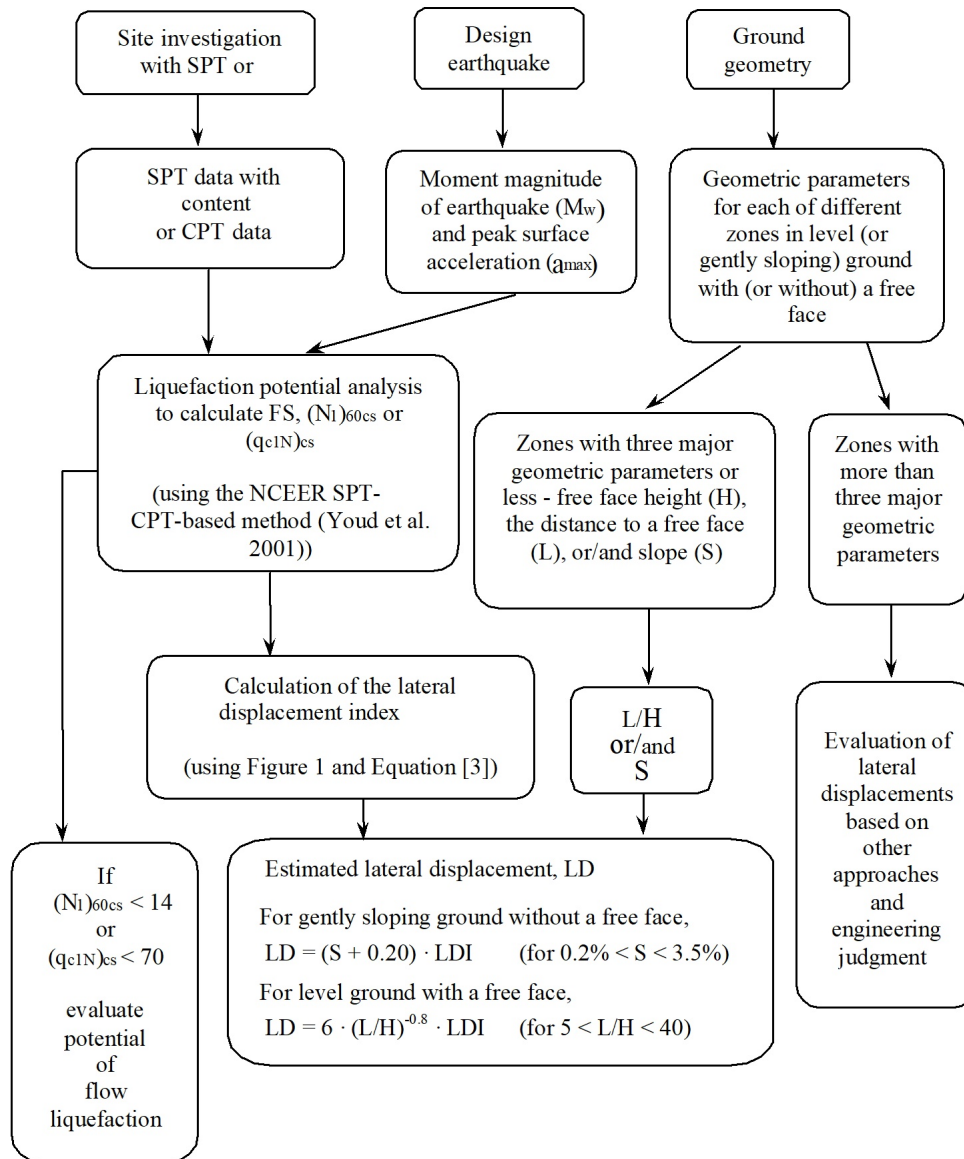
**Procedure for the evaluation of soil liquefaction resistance (sandy soils), Moss et al. (2006)**



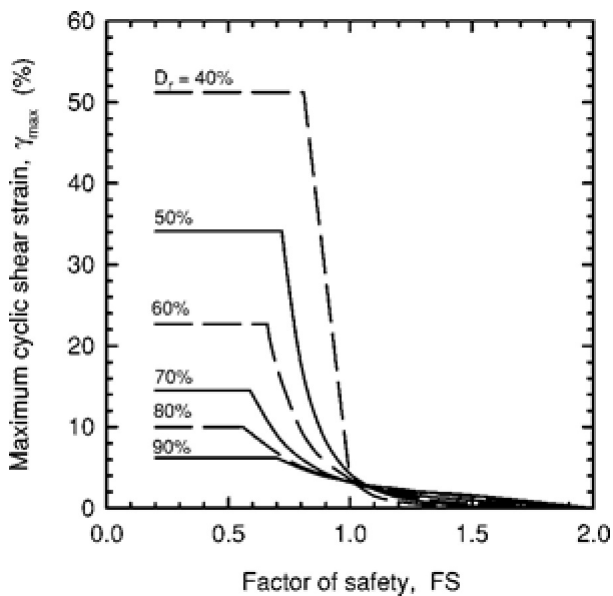
Procedure for the evaluation of soil liquefaction resistance, Boulanger & Idriss(2014)



## Procedure for the evaluation of liquefaction-induced lateral spreading displacements



<sup>1</sup> Flow chart illustrating major steps in estimating liquefaction-induced lateral spreading displacements using the proposed approach



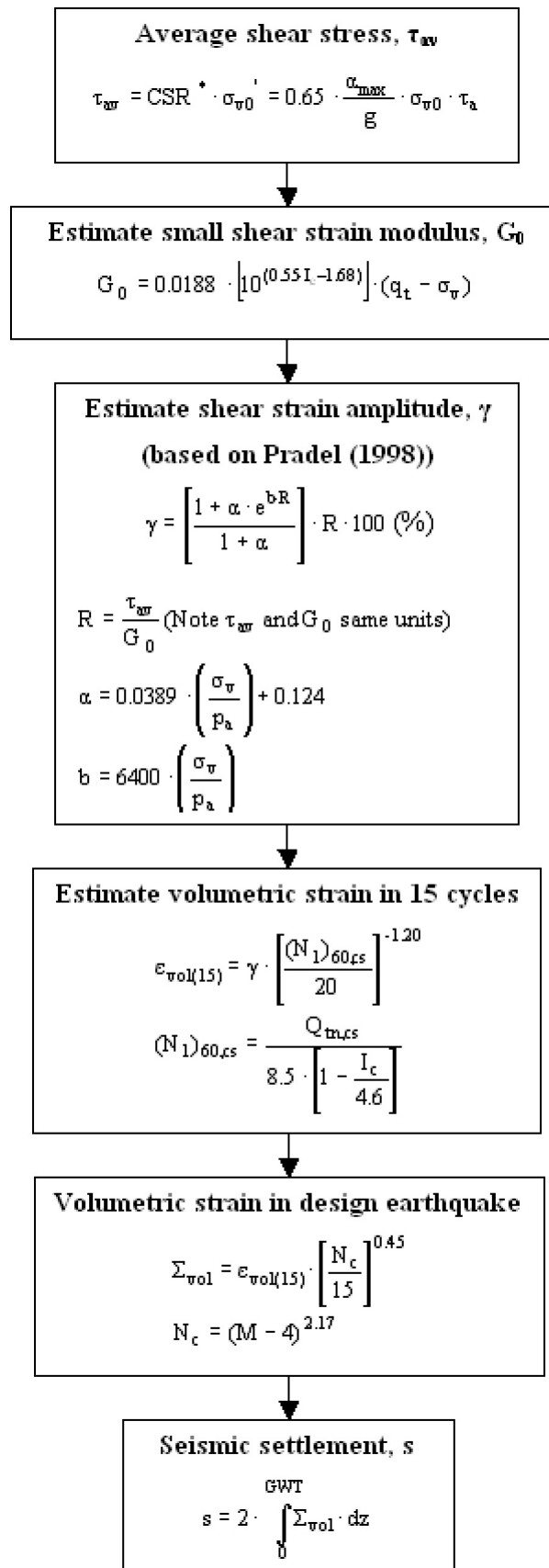
<sup>1</sup> Figure 1

$$LDI = \int_0^{Z_{max}} \gamma_{max} dz$$

<sup>1</sup> Equation [3]

<sup>1</sup> "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

## Procedure for the estimation of seismic induced settlements in dry sands



Robertson, P.K. and Lisheng, S., 2010, "Estimation of seismic compression in dry soils using the CPT" FIFTH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING AND SOIL DYNAMICS, Symposium in honor of professor I. M. Idriss, San Diego, CA

## Liquefaction Potential Index (LPI) calculation procedure

Calculation of the Liquefaction Potential Index (LPI) is used to interpret the liquefaction assessment calculations in terms of severity over depth. The calculation procedure is based on the methodology developed by Iwasaki (1982) and is adopted by AFPS.

To estimate the severity of liquefaction extent at a given site, LPI is calculated based on the following equation:

$$LPI = \int_0^{20} (10 - 0,5z) \times F_L \times dz$$

where:

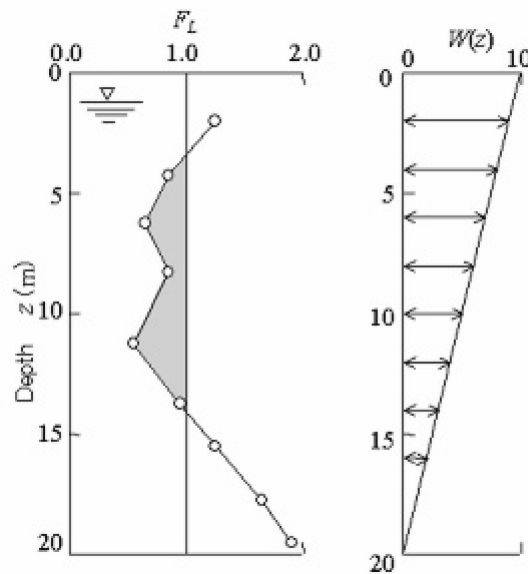
$F_L = 1 - F.S.$  when F.S. less than 1

$F_L = 0$  when F.S. greater than 1

$z$  depth of measurement in meters

Values of LPI range between zero (0) when no test point is characterized as liquefiable and 100 when all points are characterized as susceptible to liquefaction. Iwasaki proposed four (4) discrete categories based on the numeric value of LPI:

- LPI = 0 : Liquefaction risk is very low
- $0 < LPI \leq 5$  : Liquefaction risk is low
- $5 < LPI \leq 15$  : Liquefaction risk is high
- $LPI > 15$  : Liquefaction risk is very high



**Graphical presentation of the LPI calculation procedure**

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