

Comune di Cesenatico
Provincia di Forlì-Cesena

**PROGETTO DEFINITIVO ED ESECUTIVO PER LA
NUOVA COSTRUZIONE DI EDIFICIO DI EDILIZIA
RESIDENZIALE PUBBLICA COMPRENDENTE N. 18
ALLOGGI NELL'AREA "EX COLONIA PREALPI" IN VIA
GALILEO GALILEI, VALVERDE DI CESENATICO**

COMMITTENTE:

ACER Azienda Casa Emilia Romagna
della Provincia di Forlì-Cesena
Viale Giacomo Matteotti 44
47121 Forlì (FC)
C. F. e P. IVA 00139940407

STUDIO REDATTO DA:

ANTONIAZZI STUDIO ASSOCIATO
- Dott. Geol. Alberto D. Antoniazzi
- Dott. Geol. Aldo Antoniazzi
Via P. Tumedei 90
47121 - Forlì (FC)
C. F. e P. IVA 02631770407
Tel. 054365724 - Fax 054366099
E Mail: studio@antoniazzistudioassociato.it

COLLABORATORI E SPECIALISTI:

- Dott. Geol. Maurizio Moroni

Elaborato n°

5

Scala:

-:-

Data:

AGOSTO 2018

Estremi autorizzativi:

Oggetto:

**VERIFICA DEL POTENZIALE
DI LIQUEFAZIONE**

Revisioni

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LIQUEFACTION ANALYSIS REPORT

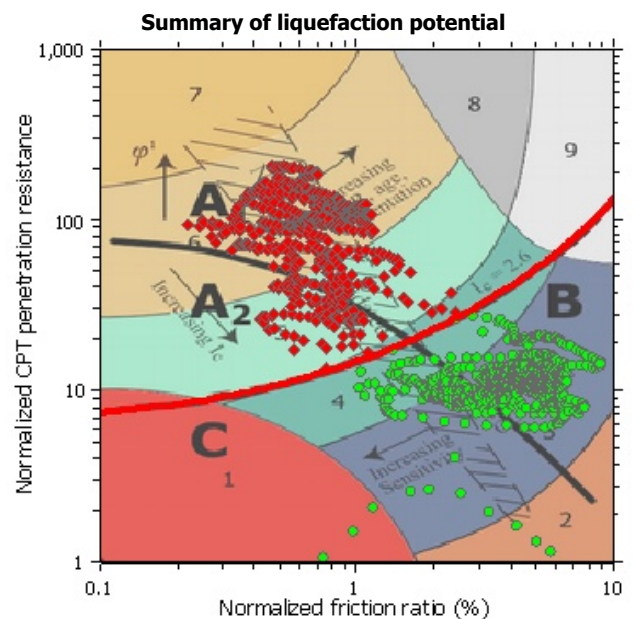
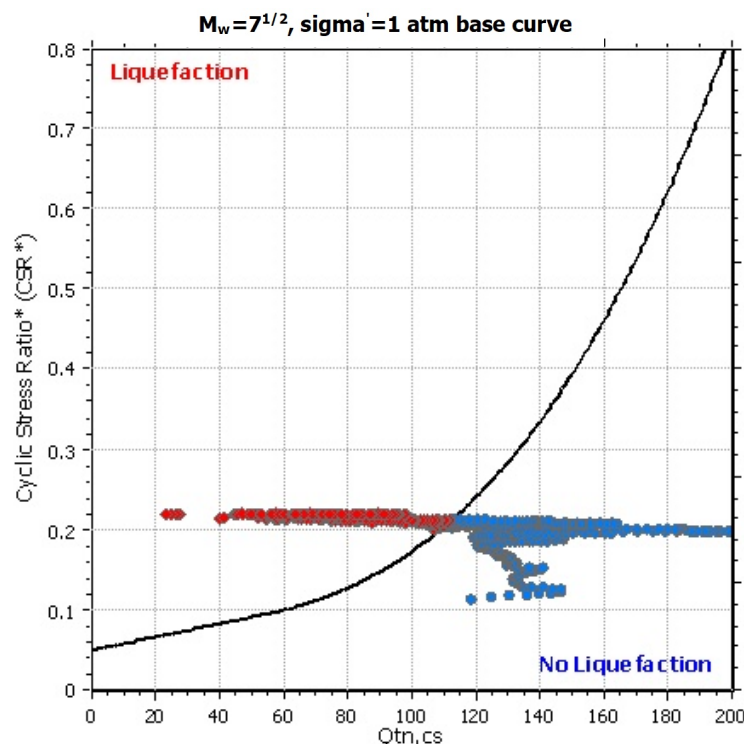
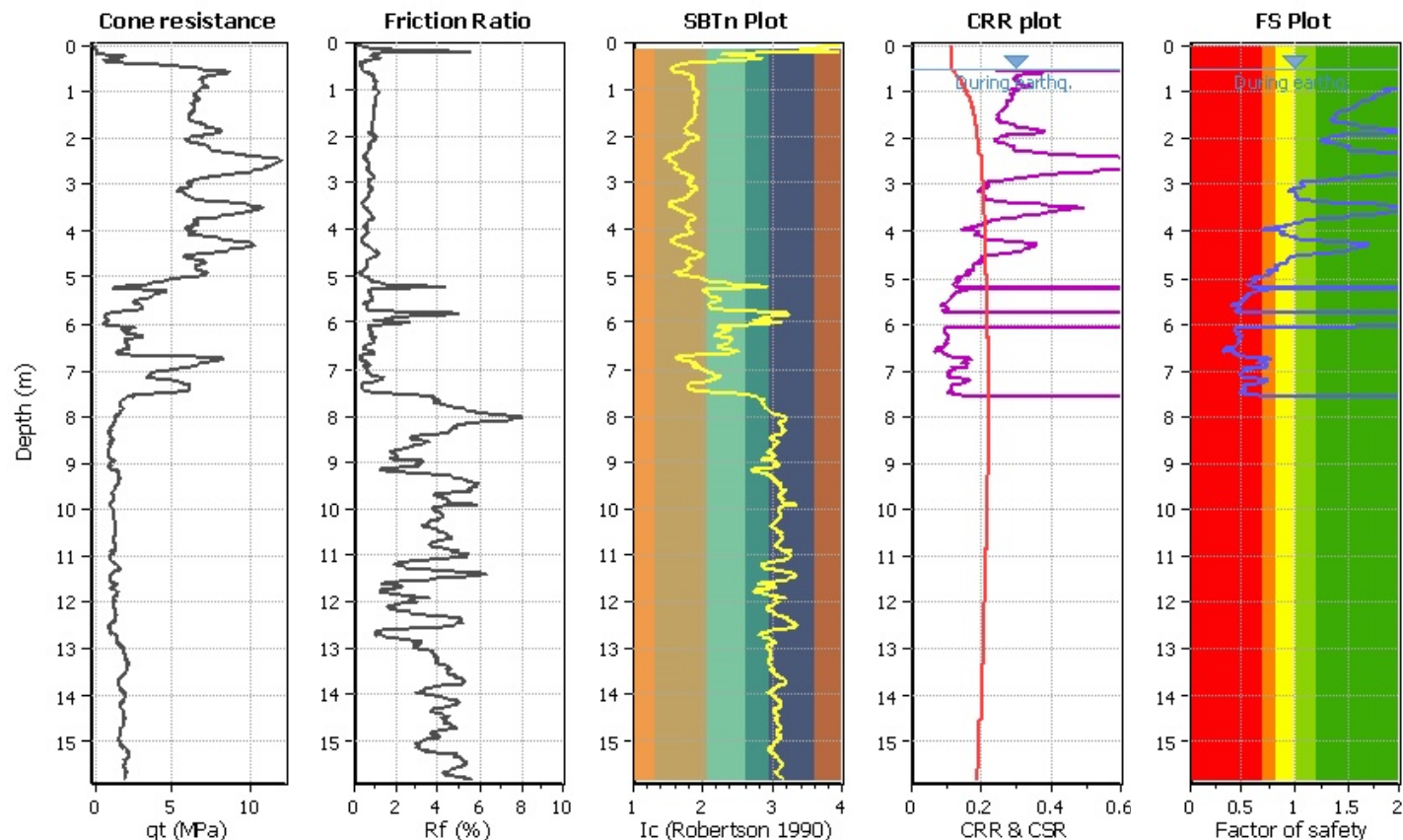
Project title : Verifica del potenziale di liquefazione

Location : Cesenatico - Ex Colonia Prealpi

CPT file : CPTU 1

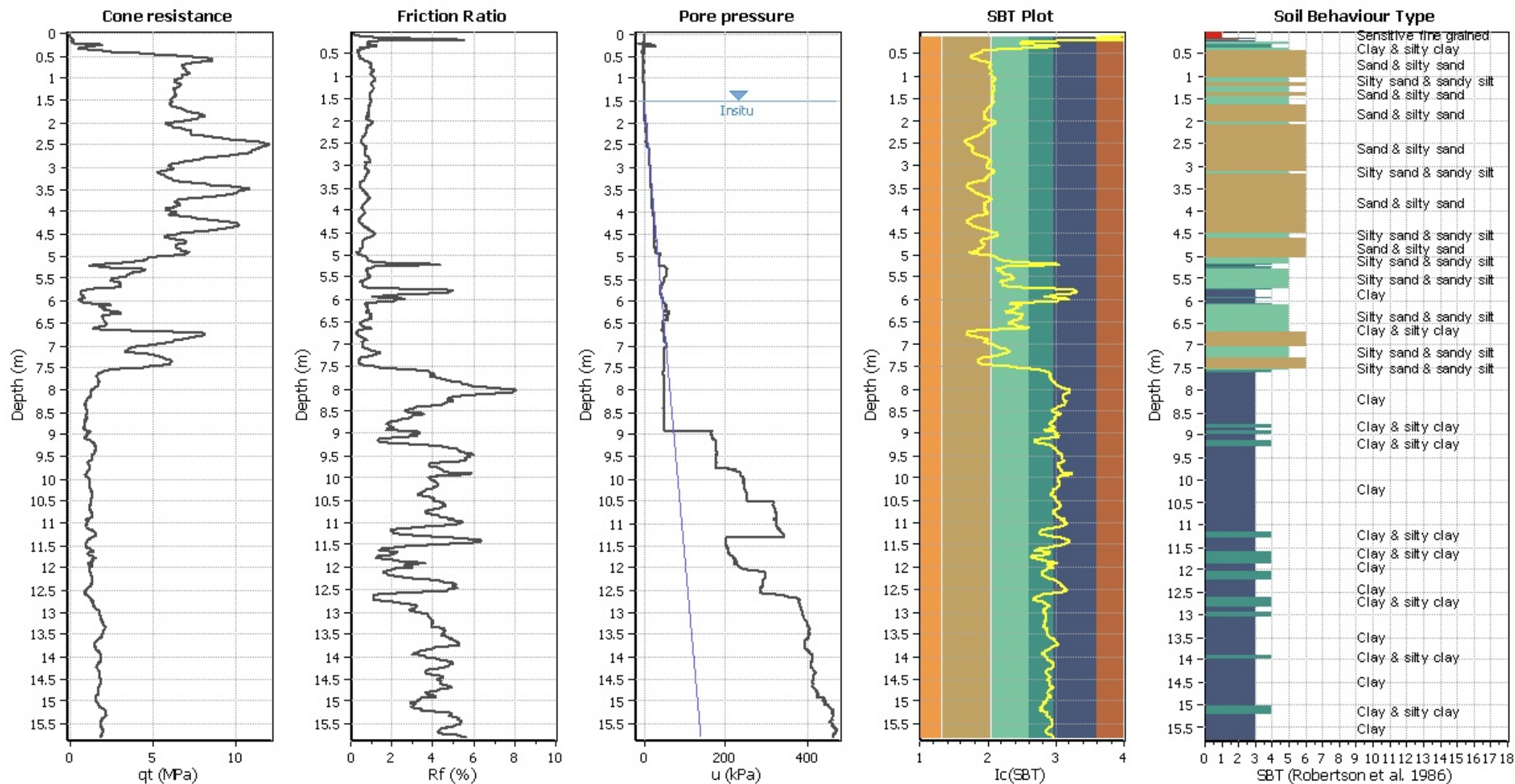
Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	1.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	0.50 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:	0.23	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: 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

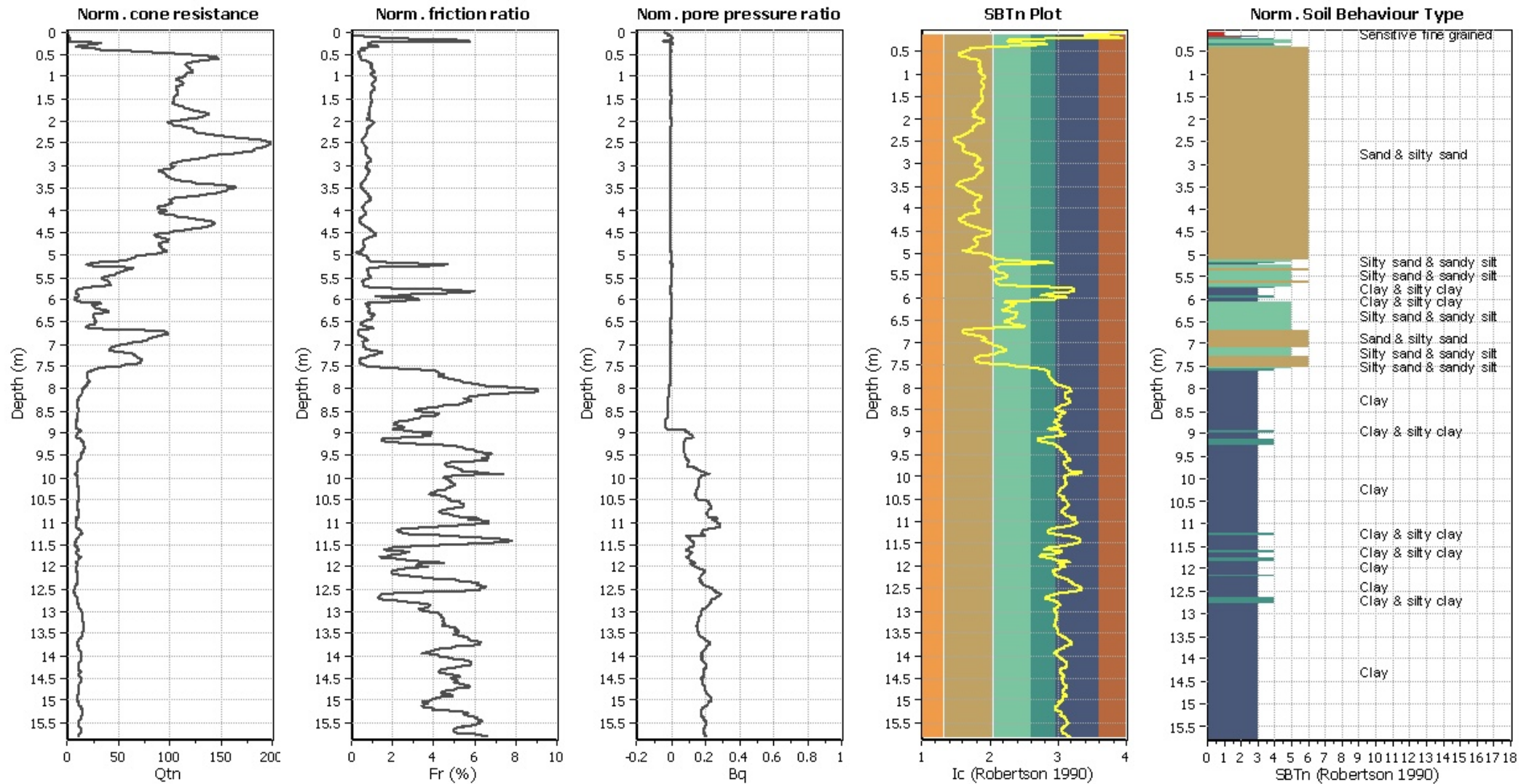
Pore pressure



Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

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 clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

CPT basic interpretation plots (normaliz



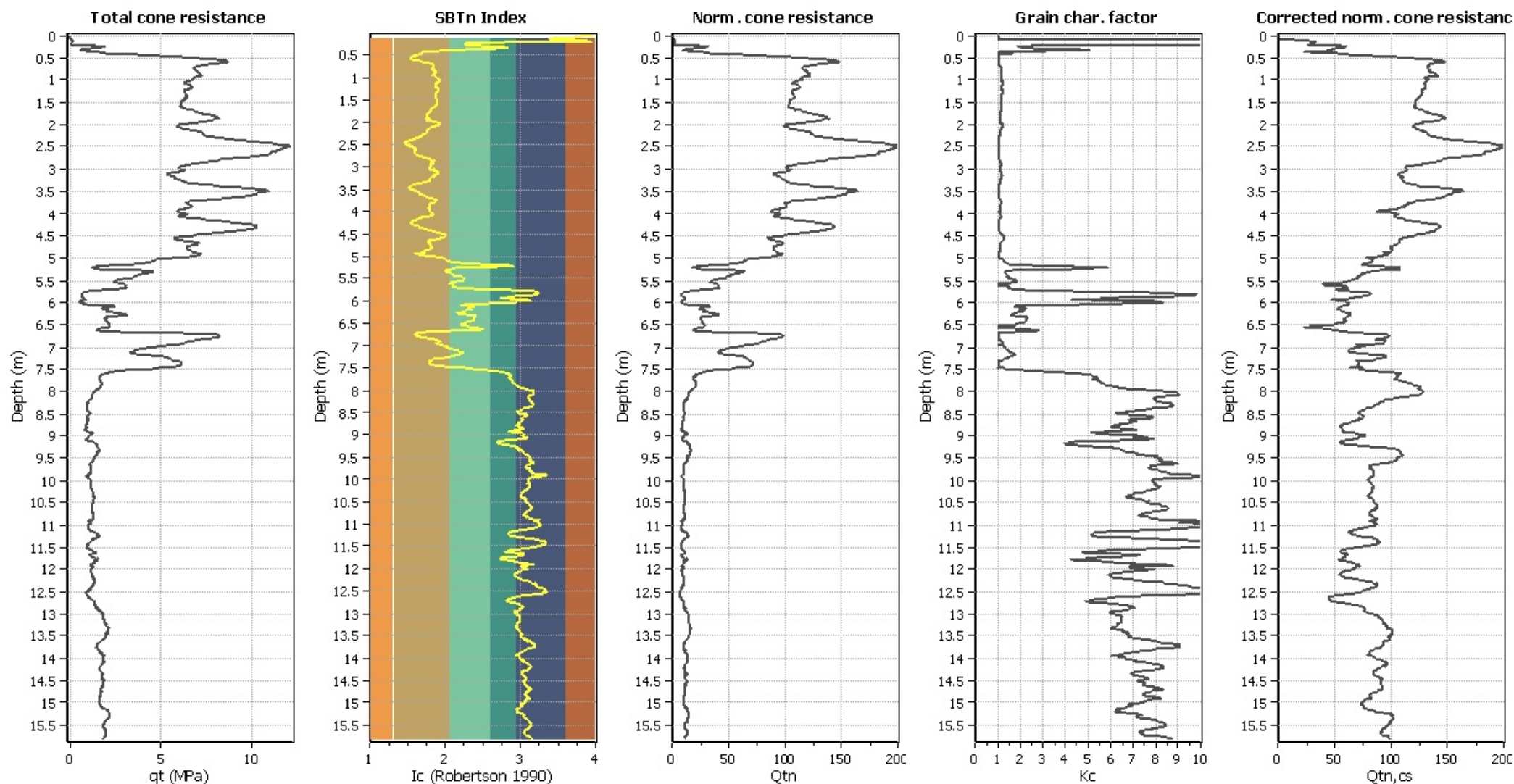
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 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

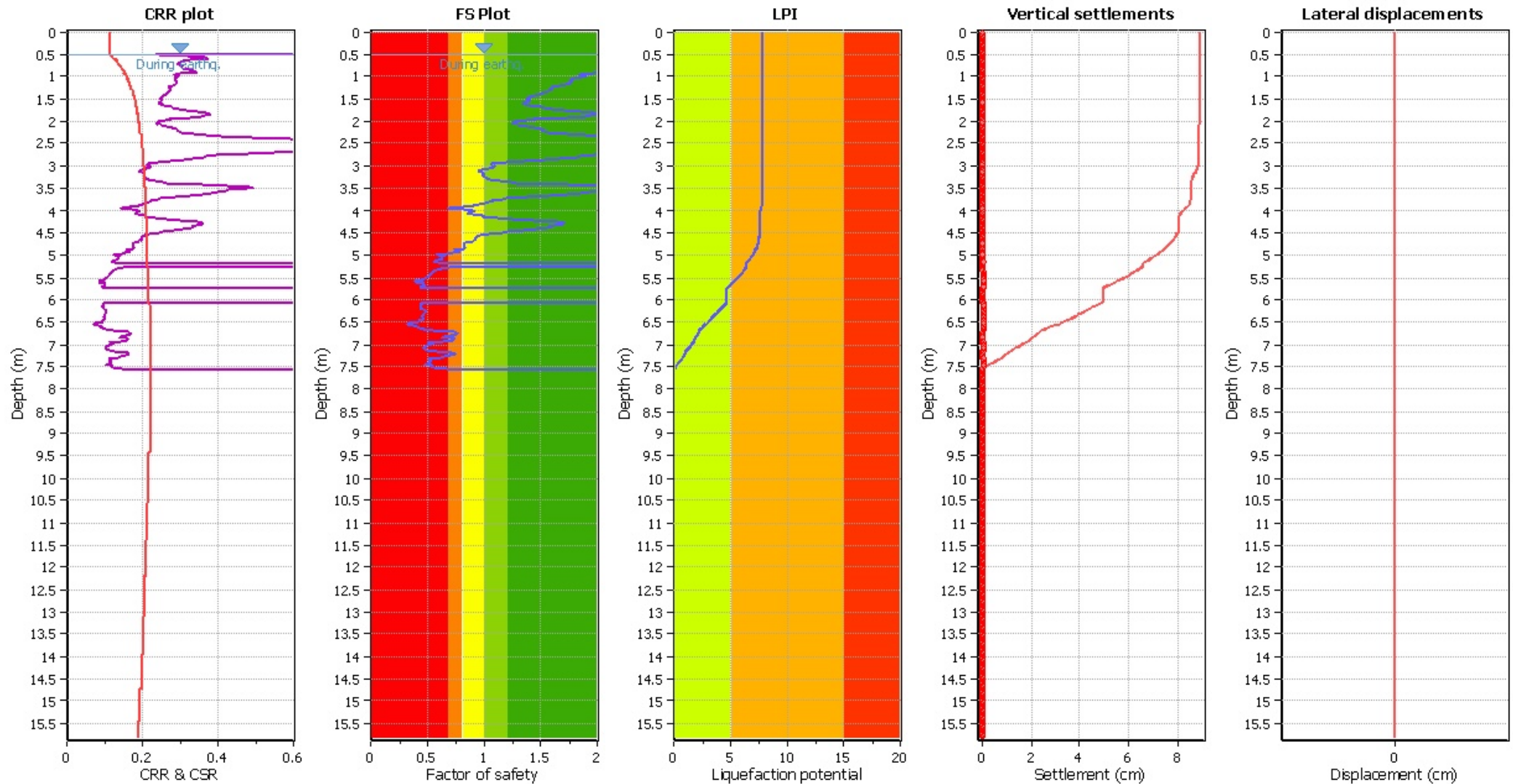
Liquefaction analysis overall plots (intermediate res)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I_c value	I_c 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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plot



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (earthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

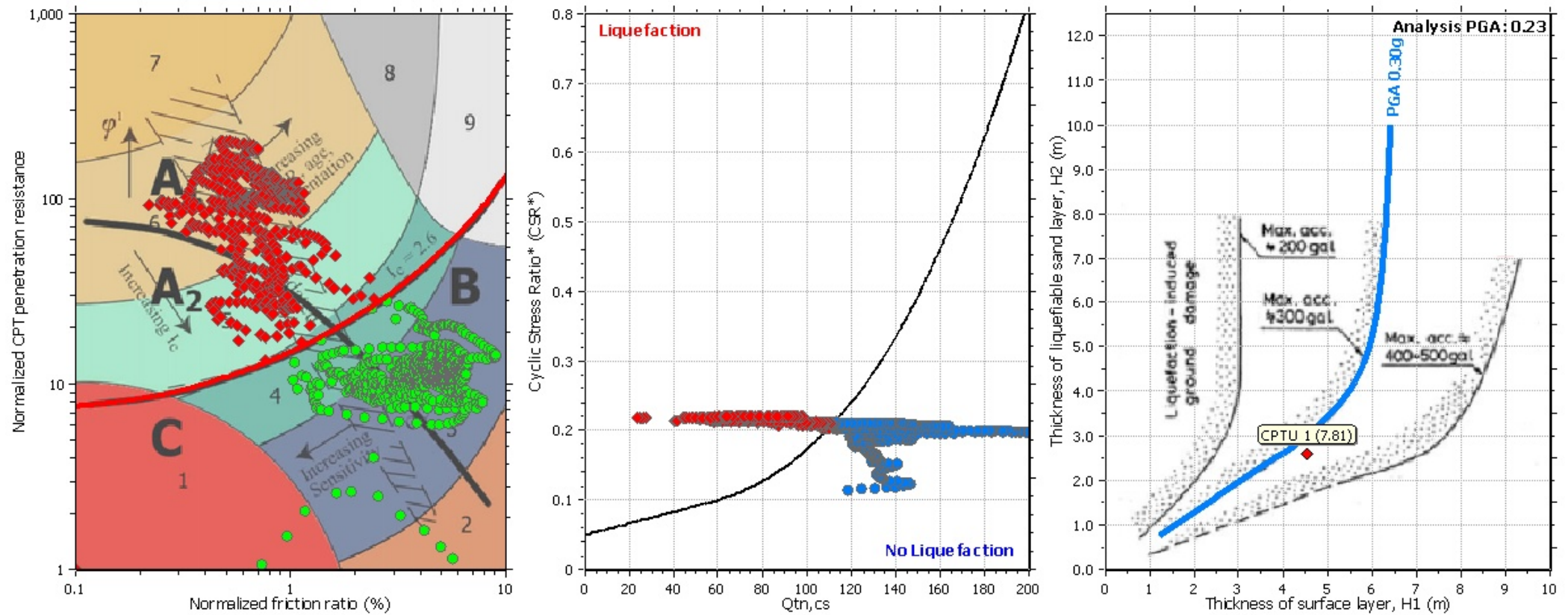
F.S. color scheme

■	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

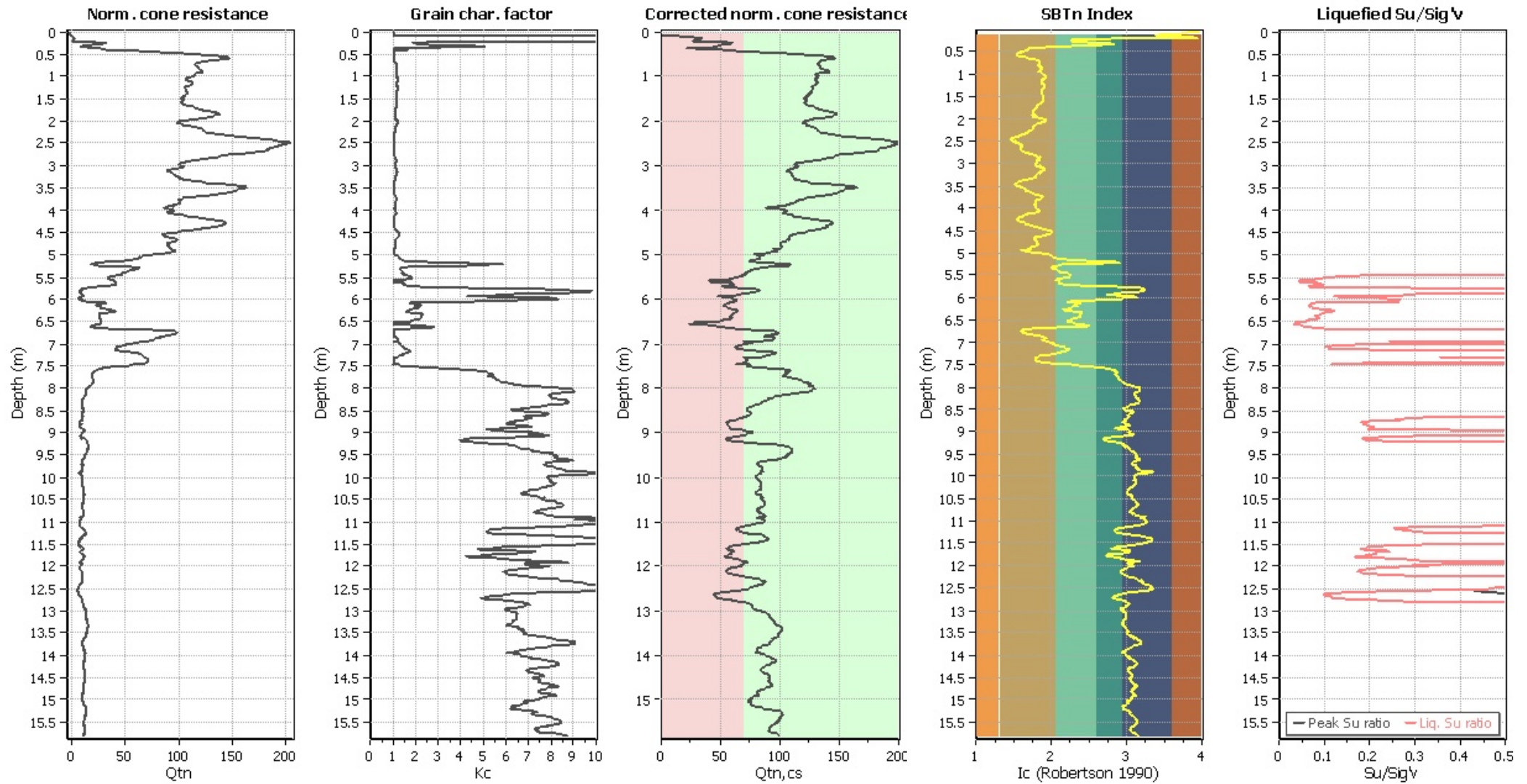
Liquefaction analysis summary plo



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I_c value	I_c 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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I_c value	I_c 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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	9.98	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.97	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.96	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	9.90	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.89	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.88	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	9.81	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.80	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.79	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	9.73	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.72	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.71	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	9.65	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.64	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.63	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	9.56	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.55	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.54	0.01	0.00	0.92	2.00	0.00	9.54	0.01	0.00
0.93	1.96	0.00	9.54	0.01	0.00	0.94	1.84	0.00	9.53	0.01	0.00
0.95	1.87	0.00	9.53	0.01	0.00	0.96	1.89	0.00	9.52	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
0.97	1.90	0.00	9.52	0.01	0.00	0.98	1.90	0.00	9.51	0.01	0.00
0.99	1.90	0.00	9.51	0.01	0.00	1.00	1.88	0.00	9.50	0.01	0.00
1.01	1.85	0.00	9.49	0.01	0.00	1.02	1.82	0.00	9.49	0.01	0.00
1.03	1.80	0.00	9.48	0.01	0.00	1.04	1.79	0.00	9.48	0.01	0.00
1.05	1.77	0.00	9.47	0.01	0.00	1.06	1.77	0.00	9.47	0.01	0.00
1.07	1.76	0.00	9.46	0.01	0.00	1.08	1.76	0.00	9.46	0.01	0.00
1.09	1.76	0.00	9.46	0.01	0.00	1.10	1.76	0.00	9.45	0.01	0.00
1.11	1.77	0.00	9.45	0.01	0.00	1.12	1.77	0.00	9.44	0.01	0.00
1.13	1.77	0.00	9.44	0.01	0.00	1.14	1.76	0.00	9.43	0.01	0.00
1.15	1.75	0.00	9.43	0.01	0.00	1.16	1.74	0.00	9.42	0.01	0.00
1.17	1.72	0.00	9.41	0.01	0.00	1.18	1.70	0.00	9.41	0.01	0.00
1.19	1.67	0.00	9.40	0.01	0.00	1.20	1.65	0.00	9.40	0.01	0.00
1.21	1.63	0.00	9.39	0.01	0.00	1.22	1.61	0.00	9.39	0.01	0.00
1.23	1.60	0.00	9.38	0.01	0.00	1.24	1.60	0.00	9.38	0.01	0.00
1.25	1.60	0.00	9.38	0.01	0.00	1.26	1.60	0.00	9.37	0.01	0.00
1.27	1.61	0.00	9.37	0.01	0.00	1.28	1.61	0.00	9.36	0.01	0.00
1.29	1.60	0.00	9.36	0.01	0.00	1.30	1.59	0.00	9.35	0.01	0.00
1.31	1.58	0.00	9.35	0.01	0.00	1.32	1.57	0.00	9.34	0.01	0.00
1.33	1.56	0.00	9.34	0.01	0.00	1.34	1.55	0.00	9.33	0.01	0.00
1.35	1.54	0.00	9.32	0.01	0.00	1.36	1.53	0.00	9.32	0.01	0.00
1.37	1.52	0.00	9.31	0.01	0.00	1.38	1.51	0.00	9.31	0.01	0.00
1.39	1.50	0.00	9.30	0.01	0.00	1.40	1.49	0.00	9.30	0.01	0.00
1.41	1.47	0.00	9.29	0.01	0.00	1.42	1.46	0.00	9.29	0.01	0.00
1.43	1.44	0.00	9.29	0.01	0.00	1.44	1.42	0.00	9.28	0.01	0.00
1.45	1.41	0.00	9.28	0.01	0.00	1.46	1.40	0.00	9.27	0.01	0.00
1.47	1.40	0.00	9.27	0.01	0.00	1.48	1.39	0.00	9.26	0.01	0.00
1.49	1.38	0.00	9.26	0.01	0.00	1.50	1.38	0.00	9.25	0.01	0.00
1.51	1.39	0.00	9.24	0.01	0.00	1.52	1.39	0.00	9.24	0.01	0.00
1.53	1.40	0.00	9.23	0.01	0.00	1.54	1.40	0.00	9.23	0.01	0.00
1.55	1.39	0.00	9.22	0.01	0.00	1.56	1.37	0.00	9.22	0.01	0.00
1.57	1.36	0.00	9.21	0.01	0.00	1.58	1.35	0.00	9.21	0.01	0.00
1.59	1.35	0.00	9.21	0.01	0.00	1.60	1.36	0.00	9.20	0.01	0.00
1.61	1.36	0.00	9.20	0.01	0.00	1.62	1.37	0.00	9.19	0.01	0.00
1.63	1.37	0.00	9.19	0.01	0.00	1.64	1.39	0.00	9.18	0.01	0.00
1.65	1.40	0.00	9.18	0.01	0.00	1.66	1.43	0.00	9.17	0.01	0.00
1.67	1.47	0.00	9.16	0.01	0.00	1.68	1.51	0.00	9.16	0.01	0.00
1.69	1.54	0.00	9.15	0.01	0.00	1.70	1.57	0.00	9.15	0.01	0.00
1.71	1.59	0.00	9.14	0.01	0.00	1.72	1.60	0.00	9.14	0.01	0.00
1.73	1.62	0.00	9.13	0.01	0.00	1.74	1.64	0.00	9.13	0.01	0.00
1.75	1.68	0.00	9.13	0.01	0.00	1.76	1.72	0.00	9.12	0.01	0.00
1.77	1.76	0.00	9.12	0.01	0.00	1.78	1.82	0.00	9.11	0.01	0.00
1.79	1.88	0.00	9.11	0.01	0.00	1.80	1.93	0.00	9.10	0.01	0.00
1.81	1.96	0.00	9.10	0.01	0.00	1.82	1.98	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	1.98	0.00	9.06	0.01	0.00	1.88	1.94	0.00	9.06	0.01	0.00
1.89	1.89	0.00	9.05	0.01	0.00	1.90	1.85	0.00	9.05	0.01	0.00
1.91	1.83	0.00	9.04	0.01	0.00	1.92	1.69	0.00	9.04	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
1.93	1.57	0.00	9.04	0.01	0.00	1.94	1.45	0.00	9.03	0.01	0.00
1.95	1.45	0.00	9.03	0.01	0.00	1.96	1.43	0.00	9.02	0.01	0.00
1.97	1.39	0.00	9.02	0.01	0.00	1.98	1.35	0.00	9.01	0.01	0.00
1.99	1.32	0.00	9.01	0.01	0.00	2.00	1.30	0.00	9.00	0.01	0.00
2.01	1.28	0.00	8.99	0.01	0.00	2.02	1.26	0.00	8.99	0.01	0.00
2.03	1.25	0.00	8.98	0.01	0.00	2.04	1.25	0.00	8.98	0.01	0.00
2.05	1.26	0.00	8.97	0.01	0.00	2.06	1.27	0.00	8.97	0.01	0.00
2.07	1.29	0.00	8.96	0.01	0.00	2.08	1.30	0.00	8.96	0.01	0.00
2.09	1.32	0.00	8.96	0.01	0.00	2.10	1.35	0.00	8.95	0.01	0.00
2.11	1.39	0.00	8.95	0.01	0.00	2.12	1.41	0.00	8.94	0.01	0.00
2.13	1.43	0.00	8.94	0.01	0.00	2.14	1.44	0.00	8.93	0.01	0.00
2.15	1.45	0.00	8.93	0.01	0.00	2.16	1.47	0.00	8.92	0.01	0.00
2.17	1.49	0.00	8.91	0.01	0.00	2.18	1.51	0.00	8.91	0.01	0.00
2.19	1.52	0.00	8.90	0.01	0.00	2.20	1.52	0.00	8.90	0.01	0.00
2.21	1.51	0.00	8.89	0.01	0.00	2.22	1.51	0.00	8.89	0.01	0.00
2.23	1.51	0.00	8.88	0.01	0.00	2.24	1.53	0.00	8.88	0.01	0.00
2.25	1.57	0.00	8.88	0.01	0.00	2.26	1.62	0.00	8.87	0.01	0.00
2.27	1.69	0.00	8.87	0.01	0.00	2.28	1.74	0.00	8.86	0.01	0.00
2.29	1.80	0.00	8.86	0.01	0.00	2.30	1.86	0.00	8.85	0.01	0.00
2.31	1.92	0.00	8.85	0.01	0.00	2.32	1.98	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	8.81	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.80	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.79	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	8.73	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.72	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.71	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	8.65	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.64	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.63	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	1.99	0.00	8.62	0.01	0.00
2.77	1.94	0.00	8.62	0.01	0.00	2.78	1.90	0.00	8.61	0.01	0.00
2.79	1.85	0.00	8.61	0.01	0.00	2.80	1.82	0.00	8.60	0.01	0.00
2.81	1.76	0.00	8.60	0.01	0.00	2.82	1.71	0.00	8.59	0.01	0.00
2.83	1.66	0.00	8.59	0.01	0.00	2.84	1.61	0.00	8.58	0.01	0.00
2.85	1.57	0.00	8.57	0.01	0.00	2.86	1.51	0.00	8.57	0.01	0.00
2.87	1.46	0.00	8.56	0.01	0.00	2.88	1.42	0.00	8.56	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
2.89	1.38	0.00	8.55	0.01	0.00	2.90	1.34	0.00	8.55	0.01	0.00
2.91	1.32	0.00	8.54	0.01	0.00	2.92	1.23	0.00	8.54	0.01	0.00
2.93	1.15	0.00	8.54	0.01	0.00	2.94	1.06	0.00	8.53	0.01	0.00
2.95	1.06	0.00	8.53	0.01	0.00	2.96	1.06	0.00	8.52	0.01	0.00
2.97	1.06	0.00	8.52	0.01	0.00	2.98	1.06	0.00	8.51	0.01	0.00
2.99	1.08	0.00	8.51	0.01	0.00	3.00	1.08	0.00	8.50	0.01	0.00
3.01	1.09	0.00	8.49	0.01	0.00	3.02	1.09	0.00	8.49	0.01	0.00
3.03	1.08	0.00	8.48	0.01	0.00	3.04	1.07	0.00	8.48	0.01	0.00
3.05	1.05	0.00	8.47	0.01	0.00	3.06	1.03	0.00	8.47	0.01	0.00
3.07	1.01	0.00	8.46	0.01	0.00	3.08	0.98	0.02	8.46	0.01	0.00
3.09	0.97	0.03	8.46	0.01	0.00	3.10	0.96	0.04	8.45	0.01	0.00
3.11	0.95	0.05	8.45	0.01	0.00	3.12	0.95	0.05	8.44	0.01	0.00
3.13	0.95	0.05	8.44	0.01	0.00	3.14	0.96	0.04	8.43	0.01	0.00
3.15	0.97	0.03	8.43	0.01	0.00	3.16	0.99	0.01	8.42	0.01	0.00
3.17	1.00	0.00	8.41	0.01	0.00	3.18	1.00	0.00	8.41	0.01	0.00
3.19	1.00	0.00	8.40	0.01	0.00	3.20	1.00	0.00	8.40	0.01	0.00
3.21	0.99	0.01	8.39	0.01	0.00	3.22	0.99	0.01	8.39	0.01	0.00
3.23	1.00	0.00	8.38	0.01	0.00	3.24	1.01	0.00	8.38	0.01	0.00
3.25	1.01	0.00	8.38	0.01	0.00	3.26	1.02	0.00	8.37	0.01	0.00
3.27	1.02	0.00	8.37	0.01	0.00	3.28	1.02	0.00	8.36	0.01	0.00
3.29	1.03	0.00	8.36	0.01	0.00	3.30	1.04	0.00	8.35	0.01	0.00
3.31	1.05	0.00	8.35	0.01	0.00	3.32	1.06	0.00	8.34	0.01	0.00
3.33	1.09	0.00	8.34	0.01	0.00	3.34	1.12	0.00	8.33	0.01	0.00
3.35	1.16	0.00	8.32	0.01	0.00	3.36	1.20	0.00	8.32	0.01	0.00
3.37	1.24	0.00	8.31	0.01	0.00	3.38	1.30	0.00	8.31	0.01	0.00
3.39	1.41	0.00	8.30	0.01	0.00	3.40	1.52	0.00	8.30	0.01	0.00
3.41	1.65	0.00	8.29	0.01	0.00	3.42	1.78	0.00	8.29	0.01	0.00
3.43	1.91	0.00	8.29	0.01	0.00	3.44	1.99	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	8.23	0.01	0.00	3.54	2.00	0.00	8.23	0.01	0.00
3.55	2.00	0.00	8.22	0.01	0.00	3.56	2.00	0.00	8.22	0.01	0.00
3.57	1.96	0.00	8.21	0.01	0.00	3.58	1.92	0.00	8.21	0.01	0.00
3.59	1.90	0.00	8.21	0.01	0.00	3.60	1.87	0.00	8.20	0.01	0.00
3.61	1.85	0.00	8.20	0.01	0.00	3.62	1.83	0.00	8.19	0.01	0.00
3.63	1.80	0.00	8.19	0.01	0.00	3.64	1.76	0.00	8.18	0.01	0.00
3.65	1.71	0.00	8.18	0.01	0.00	3.66	1.67	0.00	8.17	0.01	0.00
3.67	1.61	0.00	8.16	0.01	0.00	3.68	1.54	0.00	8.16	0.01	0.00
3.69	1.46	0.00	8.15	0.01	0.00	3.70	1.40	0.00	8.15	0.01	0.00
3.71	1.32	0.00	8.14	0.01	0.00	3.72	1.25	0.00	8.14	0.01	0.00
3.73	1.19	0.00	8.13	0.01	0.00	3.74	1.16	0.00	8.13	0.01	0.00
3.75	1.12	0.00	8.13	0.01	0.00	3.76	1.10	0.00	8.12	0.01	0.00
3.77	1.08	0.00	8.12	0.01	0.00	3.78	1.07	0.00	8.11	0.01	0.00
3.79	1.06	0.00	8.11	0.01	0.00	3.80	1.05	0.00	8.10	0.01	0.00
3.81	1.03	0.00	8.10	0.01	0.00	3.82	1.02	0.00	8.09	0.01	0.00
3.83	1.02	0.00	8.09	0.01	0.00	3.84	1.01	0.00	8.08	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
3.85	0.99	0.01	8.07	0.01	0.00	3.86	0.96	0.04	8.07	0.01	0.00
3.87	0.94	0.06	8.06	0.01	0.00	3.88	0.92	0.08	8.06	0.01	0.01
3.89	0.91	0.09	8.05	0.01	0.01	3.90	0.90	0.10	8.05	0.01	0.01
3.91	0.90	0.10	8.04	0.01	0.01	3.92	0.85	0.15	8.04	0.01	0.01
3.93	0.80	0.20	8.04	0.01	0.02	3.94	0.68	0.32	8.03	0.01	0.03
3.95	0.78	0.22	8.03	0.01	0.02	3.96	0.80	0.20	8.02	0.01	0.02
3.97	0.83	0.17	8.02	0.01	0.01	3.98	0.86	0.14	8.01	0.01	0.01
3.99	0.89	0.11	8.01	0.01	0.01	4.00	0.91	0.09	8.00	0.01	0.01
4.01	0.91	0.09	8.00	0.01	0.01	4.02	0.90	0.10	7.99	0.01	0.01
4.03	0.89	0.11	7.99	0.01	0.01	4.04	0.87	0.13	7.98	0.01	0.01
4.05	0.86	0.14	7.97	0.01	0.01	4.06	0.86	0.14	7.97	0.01	0.01
4.07	0.86	0.14	7.96	0.01	0.01	4.08	0.88	0.12	7.96	0.01	0.01
4.09	0.90	0.10	7.96	0.01	0.01	4.10	0.93	0.07	7.95	0.01	0.01
4.11	0.95	0.05	7.95	0.01	0.00	4.12	0.99	0.01	7.94	0.01	0.00
4.13	1.01	0.00	7.93	0.01	0.00	4.14	0.99	0.01	7.93	0.01	0.00
4.15	1.03	0.00	7.92	0.01	0.00	4.16	1.08	0.00	7.92	0.01	0.00
4.17	1.14	0.00	7.92	0.01	0.00	4.18	1.18	0.00	7.91	0.01	0.00
4.19	1.23	0.00	7.91	0.01	0.00	4.20	1.28	0.00	7.90	0.01	0.00
4.21	1.34	0.00	7.89	0.01	0.00	4.22	1.41	0.00	7.89	0.01	0.00
4.23	1.48	0.00	7.88	0.01	0.00	4.24	1.56	0.00	7.88	0.01	0.00
4.25	1.62	0.00	7.88	0.01	0.00	4.26	1.68	0.00	7.87	0.01	0.00
4.27	1.69	0.00	7.87	0.01	0.00	4.28	1.70	0.00	7.86	0.01	0.00
4.29	1.70	0.00	7.86	0.01	0.00	4.30	1.70	0.00	7.85	0.01	0.00
4.31	1.69	0.00	7.84	0.01	0.00	4.32	1.66	0.00	7.84	0.01	0.00
4.33	1.62	0.00	7.83	0.01	0.00	4.34	1.58	0.00	7.83	0.01	0.00
4.35	1.58	0.00	7.83	0.01	0.00	4.36	1.58	0.00	7.82	0.01	0.00
4.37	1.58	0.00	7.82	0.01	0.00	4.38	1.56	0.00	7.81	0.01	0.00
4.39	1.55	0.00	7.80	0.01	0.00	4.40	1.52	0.00	7.80	0.01	0.00
4.41	1.50	0.00	7.79	0.01	0.00	4.42	1.47	0.00	7.79	0.01	0.00
4.43	1.44	0.00	7.79	0.01	0.00	4.44	1.41	0.00	7.78	0.01	0.00
4.45	1.36	0.00	7.78	0.01	0.00	4.46	1.31	0.00	7.77	0.01	0.00
4.47	1.25	0.00	7.76	0.01	0.00	4.48	1.20	0.00	7.76	0.01	0.00
4.49	1.16	0.00	7.75	0.01	0.00	4.50	1.11	0.00	7.75	0.01	0.00
4.51	1.06	0.00	7.75	0.01	0.00	4.52	1.03	0.00	7.74	0.01	0.00
4.53	1.01	0.00	7.74	0.01	0.00	4.54	1.00	0.00	7.73	0.01	0.00
4.55	0.98	0.02	7.72	0.01	0.00	4.56	0.96	0.04	7.72	0.01	0.00
4.57	0.95	0.05	7.71	0.01	0.00	4.58	0.94	0.06	7.71	0.01	0.00
4.59	0.93	0.07	7.71	0.01	0.01	4.60	0.93	0.07	7.70	0.01	0.01
4.61	0.93	0.07	7.70	0.01	0.01	4.62	0.93	0.07	7.69	0.01	0.01
4.63	0.93	0.07	7.68	0.01	0.01	4.64	0.93	0.07	7.68	0.01	0.01
4.65	0.93	0.07	7.67	0.01	0.01	4.66	0.93	0.07	7.67	0.01	0.01
4.67	0.92	0.08	7.67	0.01	0.01	4.68	0.91	0.09	7.66	0.01	0.01
4.69	0.89	0.11	7.66	0.01	0.01	4.70	0.87	0.13	7.65	0.01	0.01
4.71	0.85	0.15	7.64	0.01	0.01	4.72	0.84	0.16	7.64	0.01	0.01
4.73	0.82	0.18	7.63	0.01	0.01	4.74	0.82	0.18	7.63	0.01	0.01
4.75	0.82	0.18	7.63	0.01	0.01	4.76	0.82	0.18	7.62	0.01	0.01
4.77	0.82	0.18	7.62	0.01	0.01	4.78	0.83	0.17	7.61	0.01	0.01
4.79	0.83	0.17	7.61	0.01	0.01	4.80	0.83	0.17	7.60	0.01	0.01

:: 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
4.81	0.83	0.17	7.59	0.01	0.01	4.82	0.83	0.17	7.59	0.01	0.01
4.83	0.83	0.17	7.58	0.01	0.01	4.84	0.83	0.17	7.58	0.01	0.01
4.85	0.82	0.18	7.58	0.01	0.01	4.86	0.82	0.18	7.57	0.01	0.01
4.87	0.74	0.26	7.57	0.01	0.02	4.88	0.75	0.25	7.56	0.01	0.02
4.89	0.77	0.23	7.55	0.01	0.02	4.90	0.78	0.22	7.55	0.01	0.02
4.91	0.78	0.22	7.54	0.01	0.02	4.92	0.76	0.24	7.54	0.01	0.02
4.93	0.74	0.26	7.54	0.01	0.02	4.94	0.73	0.27	7.53	0.01	0.02
4.95	0.72	0.28	7.53	0.01	0.02	4.96	0.70	0.30	7.52	0.01	0.02
4.97	0.68	0.32	7.51	0.01	0.02	4.98	0.66	0.34	7.51	0.01	0.03
4.99	0.62	0.38	7.50	0.01	0.03	5.00	0.58	0.42	7.50	0.01	0.03
5.01	0.64	0.36	7.50	0.01	0.03	5.02	0.63	0.37	7.49	0.01	0.03
5.03	0.63	0.37	7.49	0.01	0.03	5.04	0.63	0.37	7.48	0.01	0.03
5.05	0.63	0.37	7.47	0.01	0.03	5.06	0.63	0.37	7.47	0.01	0.03
5.07	0.63	0.37	7.46	0.01	0.03	5.08	0.62	0.38	7.46	0.01	0.03
5.09	0.62	0.38	7.46	0.01	0.03	5.10	0.61	0.39	7.45	0.01	0.03
5.11	0.59	0.41	7.45	0.01	0.03	5.12	0.58	0.42	7.44	0.01	0.03
5.13	0.57	0.43	7.43	0.01	0.03	5.14	0.56	0.44	7.43	0.01	0.03
5.15	0.56	0.44	7.42	0.01	0.03	5.16	0.56	0.44	7.42	0.01	0.03
5.17	0.58	0.42	7.42	0.01	0.03	5.18	0.62	0.38	7.41	0.01	0.03
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	7.39	0.01	0.00	5.22	2.00	0.00	7.39	0.01	0.00
5.23	2.00	0.00	7.38	0.01	0.00	5.24	2.00	0.00	7.38	0.01	0.00
5.25	0.80	0.20	7.38	0.01	0.01	5.26	0.72	0.28	7.37	0.01	0.02
5.27	0.68	0.32	7.37	0.01	0.02	5.28	0.67	0.33	7.36	0.01	0.02
5.29	0.65	0.35	7.36	0.01	0.03	5.30	0.63	0.37	7.35	0.01	0.03
5.31	0.61	0.39	7.34	0.01	0.03	5.32	0.60	0.40	7.34	0.01	0.03
5.33	0.59	0.41	7.33	0.01	0.03	5.34	0.57	0.43	7.33	0.01	0.03
5.35	0.56	0.44	7.33	0.01	0.03	5.36	0.56	0.44	7.32	0.01	0.03
5.37	0.55	0.45	7.32	0.01	0.03	5.38	0.55	0.45	7.31	0.01	0.03
5.39	0.55	0.45	7.30	0.01	0.03	5.40	0.54	0.46	7.30	0.01	0.03
5.41	0.53	0.47	7.29	0.01	0.03	5.42	0.53	0.47	7.29	0.01	0.03
5.43	0.53	0.47	7.29	0.01	0.03	5.44	0.52	0.48	7.28	0.01	0.03
5.45	0.52	0.48	7.28	0.01	0.03	5.46	0.52	0.48	7.27	0.01	0.04
5.47	0.51	0.49	7.26	0.01	0.04	5.48	0.50	0.50	7.26	0.01	0.04
5.49	0.50	0.50	7.25	0.01	0.04	5.50	0.49	0.51	7.25	0.01	0.04
5.51	0.48	0.52	7.25	0.01	0.04	5.52	0.47	0.53	7.24	0.01	0.04
5.53	0.47	0.53	7.24	0.01	0.04	5.54	0.46	0.54	7.23	0.01	0.04
5.55	0.46	0.54	7.22	0.01	0.04	5.56	0.46	0.54	7.22	0.01	0.04
5.57	0.45	0.55	7.21	0.01	0.04	5.58	0.45	0.55	7.21	0.01	0.04
5.59	0.39	0.61	7.21	0.01	0.04	5.60	0.39	0.61	7.20	0.01	0.04
5.61	0.39	0.61	7.20	0.01	0.04	5.62	0.46	0.54	7.19	0.01	0.04
5.63	0.46	0.54	7.18	0.01	0.04	5.64	0.46	0.54	7.18	0.01	0.04
5.65	0.46	0.54	7.17	0.01	0.04	5.66	0.47	0.53	7.17	0.01	0.04
5.67	0.47	0.53	7.17	0.01	0.04	5.68	0.47	0.53	7.16	0.01	0.04
5.69	0.46	0.54	7.16	0.01	0.04	5.70	0.44	0.56	7.15	0.01	0.04
5.71	0.43	0.57	7.14	0.01	0.04	5.72	0.43	0.57	7.14	0.01	0.04
5.73	0.44	0.56	7.13	0.01	0.04	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	7.09	0.01	0.00	5.82	2.00	0.00	7.09	0.01	0.00
5.83	2.00	0.00	7.08	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	7.05	0.01	0.00	5.90	2.00	0.00	7.05	0.01	0.00
5.91	2.00	0.00	7.04	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	7.01	0.01	0.00	5.98	2.00	0.00	7.01	0.01	0.00
5.99	2.00	0.00	7.00	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	6.97	0.01	0.00	6.06	0.46	0.54	6.97	0.01	0.04
6.07	0.45	0.55	6.96	0.01	0.04	6.08	0.45	0.55	6.96	0.01	0.04
6.09	0.45	0.55	6.96	0.01	0.04	6.10	0.44	0.56	6.95	0.01	0.04
6.11	0.44	0.56	6.95	0.01	0.04	6.12	0.44	0.56	6.94	0.01	0.04
6.13	0.43	0.57	6.93	0.01	0.04	6.14	0.43	0.57	6.93	0.01	0.04
6.15	0.43	0.57	6.92	0.01	0.04	6.16	0.43	0.57	6.92	0.01	0.04
6.17	0.44	0.56	6.92	0.01	0.04	6.18	0.44	0.56	6.91	0.01	0.04
6.19	0.44	0.56	6.91	0.01	0.04	6.20	0.44	0.56	6.90	0.01	0.04
6.21	0.45	0.55	6.89	0.01	0.04	6.22	0.46	0.54	6.89	0.01	0.04
6.23	0.47	0.53	6.88	0.01	0.04	6.24	0.48	0.52	6.88	0.01	0.04
6.25	0.48	0.52	6.88	0.01	0.04	6.26	0.48	0.52	6.87	0.01	0.04
6.27	0.48	0.52	6.87	0.01	0.04	6.28	0.48	0.52	6.86	0.01	0.04
6.29	0.47	0.53	6.86	0.01	0.04	6.30	0.47	0.53	6.85	0.01	0.04
6.31	0.47	0.53	6.84	0.01	0.04	6.32	0.46	0.54	6.84	0.01	0.04
6.33	0.46	0.54	6.83	0.01	0.04	6.34	0.46	0.54	6.83	0.01	0.04
6.35	0.46	0.54	6.83	0.01	0.04	6.36	0.45	0.55	6.82	0.01	0.04
6.37	0.45	0.55	6.82	0.01	0.04	6.38	0.45	0.55	6.81	0.01	0.04
6.39	0.45	0.55	6.80	0.01	0.04	6.40	0.45	0.55	6.80	0.01	0.04
6.41	0.46	0.54	6.79	0.01	0.04	6.42	0.46	0.54	6.79	0.01	0.04
6.43	0.46	0.54	6.79	0.01	0.04	6.44	0.45	0.55	6.78	0.01	0.04
6.45	0.44	0.56	6.78	0.01	0.04	6.46	0.43	0.57	6.77	0.01	0.04
6.47	0.43	0.57	6.76	0.01	0.04	6.48	0.42	0.58	6.76	0.01	0.04
6.49	0.42	0.58	6.75	0.01	0.04	6.50	0.42	0.58	6.75	0.01	0.04
6.51	0.41	0.59	6.75	0.01	0.04	6.52	0.33	0.67	6.74	0.01	0.04
6.53	0.33	0.67	6.74	0.01	0.04	6.54	0.33	0.67	6.73	0.01	0.04
6.55	0.33	0.67	6.72	0.01	0.05	6.56	0.32	0.68	6.72	0.01	0.05
6.57	0.32	0.68	6.71	0.01	0.05	6.58	0.40	0.60	6.71	0.01	0.04
6.59	0.40	0.60	6.71	0.01	0.04	6.60	0.40	0.60	6.70	0.01	0.04
6.61	0.41	0.59	6.70	0.01	0.04	6.62	0.42	0.58	6.69	0.01	0.04
6.63	0.43	0.57	6.68	0.01	0.04	6.64	0.44	0.56	6.68	0.01	0.04
6.65	0.45	0.55	6.67	0.01	0.04	6.66	0.46	0.54	6.67	0.01	0.04
6.67	0.47	0.53	6.67	0.01	0.04	6.68	0.50	0.50	6.66	0.01	0.03
6.69	0.48	0.52	6.66	0.01	0.03	6.70	0.54	0.46	6.65	0.01	0.03
6.71	0.61	0.39	6.64	0.01	0.03	6.72	0.68	0.32	6.64	0.01	0.02

:: 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
6.73	0.74	0.26	6.63	0.01	0.02	6.74	0.76	0.24	6.63	0.01	0.02
6.75	0.77	0.23	6.63	0.01	0.02	6.76	0.77	0.23	6.62	0.01	0.02
6.77	0.76	0.24	6.62	0.01	0.02	6.78	0.74	0.26	6.61	0.01	0.02
6.79	0.71	0.29	6.61	0.01	0.02	6.80	0.69	0.31	6.60	0.01	0.02
6.81	0.68	0.32	6.59	0.01	0.02	6.82	0.66	0.34	6.59	0.01	0.02
6.83	0.65	0.35	6.58	0.01	0.02	6.84	0.63	0.37	6.58	0.01	0.02
6.85	0.72	0.28	6.58	0.01	0.02	6.86	0.73	0.27	6.57	0.01	0.02
6.87	0.73	0.27	6.57	0.01	0.02	6.88	0.73	0.27	6.56	0.01	0.02
6.89	0.72	0.28	6.55	0.01	0.02	6.90	0.72	0.28	6.55	0.01	0.02
6.91	0.71	0.29	6.54	0.01	0.02	6.92	0.67	0.33	6.54	0.01	0.02
6.93	0.62	0.38	6.54	0.01	0.02	6.94	0.51	0.49	6.53	0.01	0.03
6.95	0.58	0.42	6.53	0.01	0.03	6.96	0.57	0.43	6.52	0.01	0.03
6.97	0.56	0.44	6.51	0.01	0.03	6.98	0.54	0.46	6.51	0.01	0.03
6.99	0.54	0.46	6.50	0.01	0.03	7.00	0.52	0.48	6.50	0.01	0.03
7.01	0.51	0.49	6.50	0.01	0.03	7.02	0.50	0.50	6.49	0.01	0.03
7.03	0.49	0.51	6.49	0.01	0.03	7.04	0.48	0.52	6.48	0.01	0.03
7.05	0.48	0.52	6.47	0.01	0.03	7.06	0.47	0.53	6.47	0.01	0.03
7.07	0.47	0.53	6.46	0.01	0.03	7.08	0.47	0.53	6.46	0.01	0.03
7.09	0.47	0.53	6.46	0.01	0.03	7.10	0.47	0.53	6.45	0.01	0.03
7.11	0.48	0.52	6.45	0.01	0.03	7.12	0.49	0.51	6.44	0.01	0.03
7.13	0.50	0.50	6.43	0.01	0.03	7.14	0.52	0.48	6.43	0.01	0.03
7.15	0.55	0.45	6.42	0.01	0.03	7.16	0.60	0.40	6.42	0.01	0.03
7.17	0.66	0.34	6.42	0.01	0.02	7.18	0.71	0.29	6.41	0.01	0.02
7.19	0.73	0.27	6.41	0.01	0.02	7.20	0.74	0.26	6.40	0.01	0.02
7.21	0.74	0.26	6.39	0.01	0.02	7.22	0.74	0.26	6.39	0.01	0.02
7.23	0.73	0.27	6.38	0.01	0.02	7.24	0.71	0.29	6.38	0.01	0.02
7.25	0.70	0.30	6.38	0.01	0.02	7.26	0.69	0.31	6.37	0.01	0.02
7.27	0.67	0.33	6.37	0.01	0.02	7.28	0.65	0.35	6.36	0.01	0.02
7.29	0.62	0.38	6.36	0.01	0.02	7.30	0.60	0.40	6.35	0.01	0.03
7.31	0.51	0.49	6.34	0.01	0.03	7.32	0.51	0.49	6.34	0.01	0.03
7.33	0.52	0.48	6.33	0.01	0.03	7.34	0.52	0.48	6.33	0.01	0.03
7.35	0.52	0.48	6.33	0.01	0.03	7.36	0.52	0.48	6.32	0.01	0.03
7.37	0.52	0.48	6.32	0.01	0.03	7.38	0.52	0.48	6.31	0.01	0.03
7.39	0.52	0.48	6.30	0.01	0.03	7.40	0.52	0.48	6.30	0.01	0.03
7.41	0.52	0.48	6.29	0.01	0.03	7.42	0.51	0.49	6.29	0.01	0.03
7.43	0.51	0.49	6.29	0.01	0.03	7.44	0.50	0.50	6.28	0.01	0.03
7.45	0.49	0.51	6.28	0.01	0.03	7.46	0.47	0.53	6.27	0.01	0.03
7.47	0.54	0.46	6.26	0.01	0.03	7.48	0.53	0.47	6.26	0.01	0.03
7.49	0.52	0.48	6.25	0.01	0.03	7.50	0.52	0.48	6.25	0.01	0.03
7.51	0.54	0.46	6.25	0.01	0.03	7.52	0.57	0.43	6.24	0.01	0.03
7.53	0.60	0.40	6.24	0.01	0.02	7.54	0.64	0.36	6.23	0.01	0.02
7.55	0.69	0.31	6.22	0.01	0.02	7.56	2.00	0.00	6.22	0.01	0.00
7.57	2.00	0.00	6.21	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	6.18	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.17	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	6.14	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.13	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	6.09	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.08	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	6.05	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.04	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	6.01	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.00	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	5.97	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.96	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	5.93	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.92	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	5.89	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.88	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	5.84	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.83	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	5.80	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.79	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	5.76	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.75	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	5.71	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
8.65	2.00	0.00	5.67	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	5.63	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	5.59	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.58	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	5.55	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.54	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	5.51	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.50	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	5.46	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	5.42	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	5.38	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	5.34	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.33	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	5.30	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.29	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	5.26	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.25	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	5.21	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
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	5.17	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	5.13	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	5.09	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.08	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	5.05	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.04	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	5.01	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.00	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	4.96	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	4.92	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	4.88	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	4.84	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.83	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	4.80	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.79	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	4.76	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.75	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	4.71	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	4.67	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	4.63	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	4.59	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.58	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	4.55	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.54	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	4.51	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.50	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	4.46	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	4.42	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	4.38	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	4.34	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.33	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	4.30	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.29	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	4.26	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.25	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	4.21	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	4.17	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	4.13	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	4.09	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.08	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	4.05	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.04	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	4.01	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.00	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	3.98	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	3.96	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	3.94	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	3.92	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	3.90	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	3.88	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	3.85	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	3.83	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	3.81	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	3.79	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	3.77	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
12.49	2.00	0.00	3.75	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	3.73	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	3.71	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	3.69	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	3.67	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	3.65	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	3.63	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	3.60	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	3.58	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	3.56	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	3.54	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	3.52	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	3.50	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	3.48	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	3.46	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	3.44	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	3.42	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	3.40	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	3.38	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	3.35	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	3.33	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	3.31	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	3.29	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	3.27	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	3.25	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	3.23	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	3.21	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	3.19	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	3.17	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	3.15	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	3.13	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	3.10	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	3.08	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	3.06	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	3.04	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	3.02	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	3.00	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	2.98	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	2.96	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	2.94	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	2.92	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	2.90	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	2.88	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	2.85	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	2.83	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	2.81	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	2.79	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	2.77	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	2.75	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	2.73	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	2.71	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	2.69	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	2.60	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	2.58	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	2.56	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	2.54	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	2.52	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	2.50	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	2.48	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	2.46	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	2.44	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
15.21	2.00	0.00	2.40	0.01	0.00	15.22	2.00	0.00	2.39	0.01	0.00
15.23	2.00	0.00	2.38	0.01	0.00	15.24	2.00	0.00	2.38	0.01	0.00
15.25	2.00	0.00	2.38	0.01	0.00	15.26	2.00	0.00	2.37	0.01	0.00
15.27	2.00	0.00	2.37	0.01	0.00	15.28	2.00	0.00	2.36	0.01	0.00
15.29	2.00	0.00	2.35	0.01	0.00	15.30	2.00	0.00	2.35	0.01	0.00
15.31	2.00	0.00	2.35	0.01	0.00	15.32	2.00	0.00	2.34	0.01	0.00
15.33	2.00	0.00	2.33	0.01	0.00	15.34	2.00	0.00	2.33	0.01	0.00
15.35	2.00	0.00	2.33	0.01	0.00	15.36	2.00	0.00	2.32	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
15.37	2.00	0.00	2.31	0.01	0.00	15.38	2.00	0.00	2.31	0.01	0.00
15.39	2.00	0.00	2.31	0.01	0.00	15.40	2.00	0.00	2.30	0.01	0.00
15.41	2.00	0.00	2.29	0.01	0.00	15.42	2.00	0.00	2.29	0.01	0.00
15.43	2.00	0.00	2.29	0.01	0.00	15.44	2.00	0.00	2.28	0.01	0.00
15.45	2.00	0.00	2.27	0.01	0.00	15.46	2.00	0.00	2.27	0.01	0.00
15.47	2.00	0.00	2.27	0.01	0.00	15.48	2.00	0.00	2.26	0.01	0.00
15.49	2.00	0.00	2.25	0.01	0.00	15.50	2.00	0.00	2.25	0.01	0.00
15.51	2.00	0.00	2.25	0.01	0.00	15.52	2.00	0.00	2.24	0.01	0.00
15.53	2.00	0.00	2.23	0.01	0.00	15.54	2.00	0.00	2.23	0.01	0.00
15.55	2.00	0.00	2.23	0.01	0.00	15.56	2.00	0.00	2.22	0.01	0.00
15.57	2.00	0.00	2.21	0.01	0.00	15.58	2.00	0.00	2.21	0.01	0.00
15.59	2.00	0.00	2.21	0.01	0.00	15.60	2.00	0.00	2.20	0.01	0.00
15.61	2.00	0.00	2.19	0.01	0.00	15.62	2.00	0.00	2.19	0.01	0.00
15.63	2.00	0.00	2.19	0.01	0.00	15.64	2.00	0.00	2.18	0.01	0.00
15.65	2.00	0.00	2.17	0.01	0.00	15.66	2.00	0.00	2.17	0.01	0.00
15.67	2.00	0.00	2.17	0.01	0.00	15.68	2.00	0.00	2.16	0.01	0.00
15.69	2.00	0.00	2.15	0.01	0.00	15.70	2.00	0.00	2.15	0.01	0.00
15.71	2.00	0.00	2.15	0.01	0.00	15.72	2.00	0.00	2.14	0.01	0.00
15.73	2.00	0.00	2.13	0.01	0.00	15.74	2.00	0.00	2.13	0.01	0.00
15.75	2.00	0.00	2.13	0.01	0.00	15.76	2.00	0.00	2.12	0.01	0.00
15.77	2.00	0.00	2.12	0.01	0.00	15.78	2.00	0.00	2.11	0.01	0.00
15.79	2.00	0.00	2.10	0.01	0.00	15.80	2.00	0.00	2.10	0.01	0.00

Overall liquefaction potential: 7.81

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 > 15.00 - Liquefaction risk very high

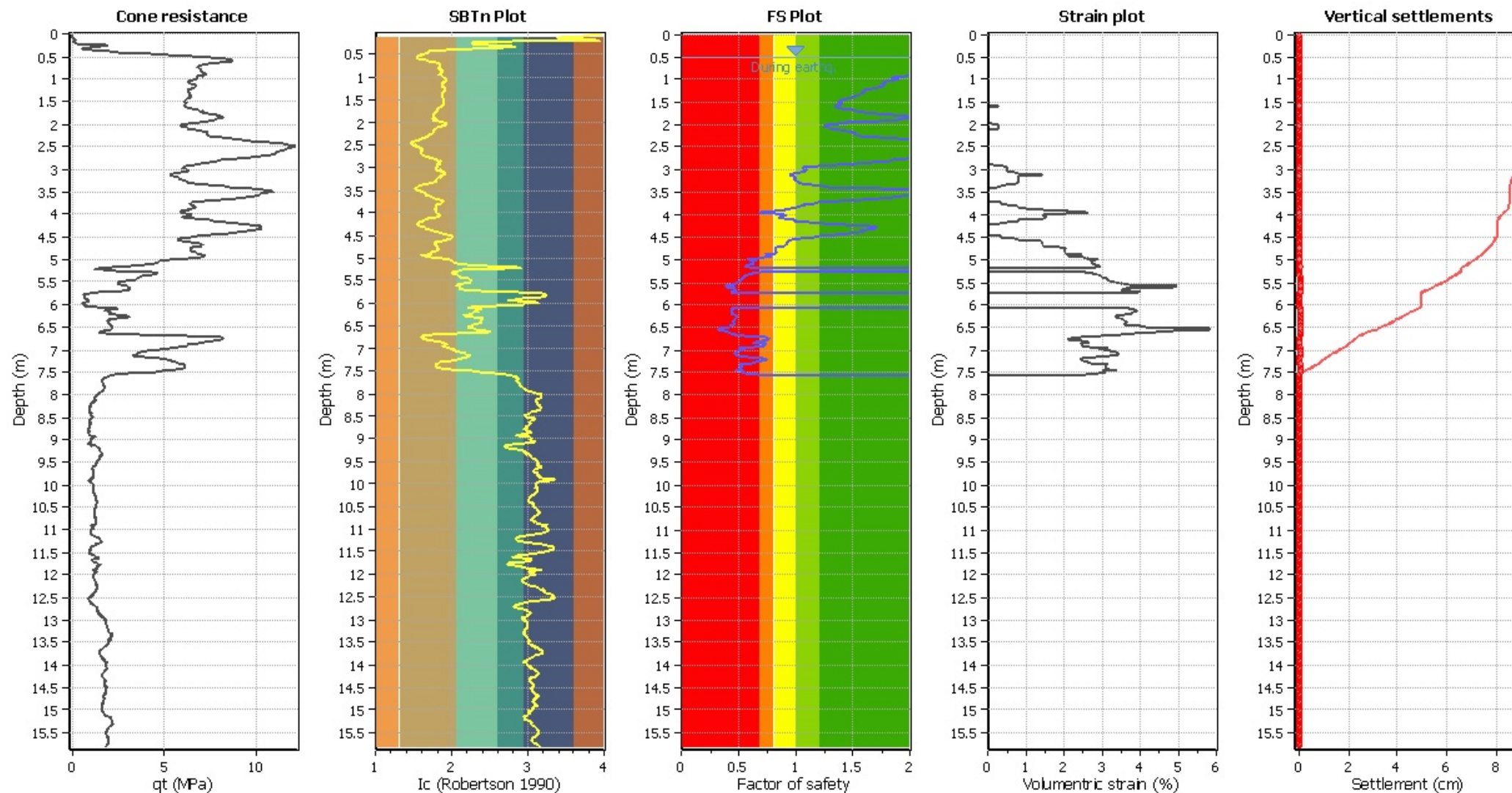
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_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

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
0.50	112.74	2.00	0.00	1.00	0.00	0.51	118.75	2.00	0.00	1.00	0.00
0.52	124.69	2.00	0.00	1.00	0.00	0.53	130.64	2.00	0.00	1.00	0.00
0.54	136.19	2.00	0.00	1.00	0.00	0.55	140.04	2.00	0.00	1.00	0.00
0.56	143.67	2.00	0.00	1.00	0.00	0.57	145.53	2.00	0.00	1.00	0.00
0.58	146.89	2.00	0.00	1.00	0.00	0.59	146.60	2.00	0.00	1.00	0.00
0.60	144.34	2.00	0.00	1.00	0.00	0.61	141.22	2.00	0.00	1.00	0.00
0.62	137.30	2.00	0.00	1.00	0.00	0.63	134.77	2.00	0.00	1.00	0.00
0.64	134.65	2.00	0.00	1.00	0.00	0.65	134.35	2.00	0.00	1.00	0.00
0.66	133.80	2.00	0.00	1.00	0.00	0.67	133.38	2.00	0.00	1.00	0.00
0.68	132.93	2.00	0.00	1.00	0.00	0.69	132.52	2.00	0.00	1.00	0.00
0.70	132.06	2.00	0.00	1.00	0.00	0.71	131.79	2.00	0.00	1.00	0.00
0.72	131.81	2.00	0.00	1.00	0.00	0.73	131.94	2.00	0.00	1.00	0.00
0.74	132.54	2.00	0.00	1.00	0.00	0.75	133.18	2.00	0.00	1.00	0.00
0.76	133.86	2.00	0.00	1.00	0.00	0.77	134.04	2.00	0.00	1.00	0.00
0.78	134.06	2.00	0.00	1.00	0.00	0.79	133.87	2.00	0.00	1.00	0.00
0.80	134.13	2.00	0.00	1.00	0.00	0.81	134.57	2.00	0.00	1.00	0.00
0.82	135.35	2.00	0.00	1.00	0.00	0.83	136.09	2.00	0.00	1.00	0.00
0.84	137.11	2.00	0.00	1.00	0.00	0.85	138.14	2.00	0.00	1.00	0.00
0.86	139.19	2.00	0.00	1.00	0.00	0.87	139.89	2.00	0.00	1.00	0.00
0.88	140.55	2.00	0.00	1.00	0.00	0.89	140.81	2.00	0.00	1.00	0.00
0.90	141.01	2.00	0.00	1.00	0.00	0.91	141.00	2.00	0.00	1.00	0.00
0.92	136.83	2.00	0.00	1.00	0.00	0.93	133.28	1.96	0.00	1.00	0.00
0.94	129.86	1.84	0.00	1.00	0.00	0.95	131.07	1.87	0.00	1.00	0.00
0.96	131.70	1.89	0.00	1.00	0.00	0.97	132.27	1.90	0.00	1.00	0.00
0.98	132.62	1.90	0.00	1.00	0.00	0.99	132.82	1.90	0.00	1.00	0.00
1.00	132.38	1.88	0.00	1.00	0.00	1.01	131.68	1.85	0.00	1.00	0.00
1.02	130.87	1.82	0.00	1.00	0.00	1.03	130.45	1.80	0.00	1.00	0.00
1.04	130.13	1.79	0.00	1.00	0.00	1.05	129.91	1.77	0.00	1.00	0.00
1.06	129.85	1.77	0.00	1.00	0.00	1.07	129.87	1.76	0.00	1.00	0.00
1.08	129.99	1.76	0.00	1.00	0.00	1.09	130.19	1.76	0.00	1.00	0.00
1.10	130.52	1.76	0.00	1.00	0.00	1.11	130.85	1.77	0.00	1.00	0.00
1.12	131.17	1.77	0.00	1.00	0.00	1.13	131.21	1.77	0.00	1.00	0.00
1.14	131.15	1.76	0.00	1.00	0.00	1.15	130.90	1.75	0.00	1.00	0.00
1.16	130.73	1.74	0.00	1.00	0.00	1.17	130.24	1.72	0.00	1.00	0.00
1.18	129.62	1.70	0.00	1.00	0.00	1.19	128.87	1.67	0.00	1.00	0.00
1.20	128.26	1.65	0.00	1.00	0.00	1.21	127.71	1.63	0.00	1.00	0.00
1.22	127.18	1.61	0.00	1.00	0.00	1.23	126.85	1.60	0.00	1.00	0.00
1.24	126.75	1.60	0.00	1.00	0.00	1.25	126.92	1.60	0.00	1.00	0.00
1.26	127.32	1.60	0.00	1.00	0.00	1.27	127.60	1.61	0.00	1.00	0.00
1.28	127.72	1.61	0.00	1.00	0.00	1.29	127.51	1.60	0.00	1.00	0.00
1.30	127.26	1.59	0.00	1.00	0.00	1.31	127.02	1.58	0.00	1.00	0.00
1.32	126.81	1.57	0.00	1.00	0.00	1.33	126.54	1.56	0.00	1.00	0.00
1.34	126.21	1.55	0.00	1.00	0.00	1.35	125.92	1.54	0.00	1.00	0.00
1.36	125.71	1.53	0.00	1.00	0.00	1.37	125.49	1.52	0.00	1.00	0.00
1.38	125.20	1.51	0.00	1.00	0.00	1.39	124.86	1.50	0.00	1.00	0.00
1.40	124.56	1.49	0.00	1.00	0.00	1.41	124.15	1.47	0.00	1.00	0.00
1.42	123.63	1.46	0.00	1.00	0.00	1.43	122.99	1.44	0.00	1.00	0.00
1.44	122.42	1.42	0.00	1.00	0.00	1.45	122.04	1.41	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.46	121.83	1.40	0.00	1.00	0.00	1.47	121.70	1.40	0.00	1.00	0.00
1.48	121.51	1.39	0.00	1.00	0.00	1.49	121.26	1.38	0.00	1.00	0.00
1.50	121.31	1.38	0.00	1.00	0.00	1.51	121.58	1.39	0.00	1.00	0.00
1.52	121.99	1.39	0.00	1.00	0.00	1.53	122.28	1.40	0.00	1.00	0.00
1.54	122.34	1.40	0.00	1.00	0.00	1.55	122.18	1.39	0.00	1.00	0.00
1.56	121.59	1.37	0.00	1.00	0.00	1.57	120.99	1.36	0.00	1.00	0.00
1.58	120.57	1.35	0.25	1.00	0.00	1.59	120.74	1.35	0.25	1.00	0.00
1.60	121.11	1.36	0.00	1.00	0.00	1.61	121.54	1.36	0.00	1.00	0.00
1.62	121.85	1.37	0.00	1.00	0.00	1.63	122.22	1.37	0.00	1.00	0.00
1.64	122.79	1.39	0.00	1.00	0.00	1.65	123.61	1.40	0.00	1.00	0.00
1.66	125.01	1.43	0.00	1.00	0.00	1.67	126.49	1.47	0.00	1.00	0.00
1.68	128.13	1.51	0.00	1.00	0.00	1.69	129.39	1.54	0.00	1.00	0.00
1.70	130.61	1.57	0.00	1.00	0.00	1.71	131.53	1.59	0.00	1.00	0.00
1.72	132.23	1.60	0.00	1.00	0.00	1.73	132.79	1.62	0.00	1.00	0.00
1.74	133.89	1.64	0.00	1.00	0.00	1.75	135.15	1.68	0.00	1.00	0.00
1.76	136.72	1.72	0.00	1.00	0.00	1.77	138.10	1.76	0.00	1.00	0.00
1.78	140.31	1.82	0.00	1.00	0.00	1.79	142.42	1.88	0.00	1.00	0.00
1.80	144.24	1.93	0.00	1.00	0.00	1.81	145.13	1.96	0.00	1.00	0.00
1.82	145.89	1.98	0.00	1.00	0.00	1.83	146.59	2.00	0.00	1.00	0.00
1.84	147.15	2.00	0.00	1.00	0.00	1.85	147.32	2.00	0.00	1.00	0.00
1.86	146.99	2.00	0.00	1.00	0.00	1.87	146.16	1.98	0.00	1.00	0.00
1.88	145.01	1.94	0.00	1.00	0.00	1.89	143.45	1.89	0.00	1.00	0.00
1.90	142.29	1.85	0.00	1.00	0.00	1.91	141.57	1.83	0.00	1.00	0.00
1.92	136.78	1.69	0.00	1.00	0.00	1.93	132.25	1.57	0.00	1.00	0.00
1.94	127.65	1.45	0.00	1.00	0.00	1.95	127.84	1.45	0.00	1.00	0.00
1.96	126.82	1.43	0.00	1.00	0.00	1.97	125.27	1.39	0.00	1.00	0.00
1.98	123.56	1.35	0.25	1.00	0.00	1.99	122.44	1.32	0.25	1.00	0.00
2.00	121.30	1.30	0.25	1.00	0.00	2.01	120.46	1.28	0.25	1.00	0.00
2.02	119.76	1.26	0.25	1.00	0.00	2.03	119.52	1.25	0.25	1.00	0.00
2.04	119.44	1.25	0.25	1.00	0.00	2.05	119.85	1.26	0.25	1.00	0.00
2.06	120.54	1.27	0.25	1.00	0.00	2.07	121.38	1.29	0.25	1.00	0.00
2.08	122.13	1.30	0.25	1.00	0.00	2.09	123.01	1.32	0.25	1.00	0.00
2.10	124.48	1.35	0.00	1.00	0.00	2.11	125.90	1.39	0.00	1.00	0.00
2.12	127.20	1.41	0.00	1.00	0.00	2.13	127.80	1.43	0.00	1.00	0.00
2.14	128.18	1.44	0.00	1.00	0.00	2.15	128.74	1.45	0.00	1.00	0.00
2.16	129.61	1.47	0.00	1.00	0.00	2.17	130.76	1.49	0.00	1.00	0.00
2.18	131.57	1.51	0.00	1.00	0.00	2.19	131.87	1.52	0.00	1.00	0.00
2.20	131.79	1.52	0.00	1.00	0.00	2.21	131.61	1.51	0.00	1.00	0.00
2.22	131.62	1.51	0.00	1.00	0.00	2.23	131.85	1.51	0.00	1.00	0.00
2.24	132.48	1.53	0.00	1.00	0.00	2.25	134.09	1.57	0.00	1.00	0.00
2.26	136.24	1.62	0.00	1.00	0.00	2.27	138.61	1.69	0.00	1.00	0.00
2.28	140.50	1.74	0.00	1.00	0.00	2.29	142.63	1.80	0.00	1.00	0.00
2.30	144.65	1.86	0.00	1.00	0.00	2.31	146.72	1.92	0.00	1.00	0.00
2.32	148.61	1.98	0.00	1.00	0.00	2.33	150.53	2.00	0.00	1.00	0.00
2.34	154.19	2.00	0.00	1.00	0.00	2.35	157.64	2.00	0.00	1.00	0.00
2.36	160.64	2.00	0.00	1.00	0.00	2.37	162.68	2.00	0.00	1.00	0.00
2.38	166.36	2.00	0.00	1.00	0.00	2.39	170.77	2.00	0.00	1.00	0.00
2.40	175.70	2.00	0.00	1.00	0.00	2.41	179.44	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.42	183.06	2.00	0.00	1.00	0.00	2.43	188.39	2.00	0.00	1.00	0.00
2.44	194.00	2.00	0.00	1.00	0.00	2.45	199.32	2.00	0.00	1.00	0.00
2.46	202.38	2.00	0.00	1.00	0.00	2.47	203.91	2.00	0.00	1.00	0.00
2.48	204.19	2.00	0.00	1.00	0.00	2.49	203.45	2.00	0.00	1.00	0.00
2.50	202.27	2.00	0.00	1.00	0.00	2.51	200.42	2.00	0.00	1.00	0.00
2.52	198.52	2.00	0.00	1.00	0.00	2.53	196.74	2.00	0.00	1.00	0.00
2.54	195.75	2.00	0.00	1.00	0.00	2.55	194.82	2.00	0.00	1.00	0.00
2.56	193.72	2.00	0.00	1.00	0.00	2.57	192.40	2.00	0.00	1.00	0.00
2.58	191.26	2.00	0.00	1.00	0.00	2.59	189.66	2.00	0.00	1.00	0.00
2.60	187.68	2.00	0.00	1.00	0.00	2.61	185.54	2.00	0.00	1.00	0.00
2.62	184.13	2.00	0.00	1.00	0.00	2.63	183.62	2.00	0.00	1.00	0.00
2.64	183.44	2.00	0.00	1.00	0.00	2.65	183.26	2.00	0.00	1.00	0.00
2.66	182.42	2.00	0.00	1.00	0.00	2.67	180.19	2.00	0.00	1.00	0.00
2.68	177.20	2.00	0.00	1.00	0.00	2.69	173.61	2.00	0.00	1.00	0.00
2.70	170.41	2.00	0.00	1.00	0.00	2.71	167.28	2.00	0.00	1.00	0.00
2.72	163.88	2.00	0.00	1.00	0.00	2.73	160.77	2.00	0.00	1.00	0.00
2.74	156.18	2.00	0.00	1.00	0.00	2.75	152.73	2.00	0.00	1.00	0.00
2.76	150.58	1.99	0.00	1.00	0.00	2.77	148.99	1.94	0.00	1.00	0.00
2.78	147.59	1.90	0.00	1.00	0.00	2.79	146.21	1.85	0.00	1.00	0.00
2.80	144.93	1.82	0.00	1.00	0.00	2.81	142.98	1.76	0.00	1.00	0.00
2.82	141.24	1.71	0.00	1.00	0.00	2.83	139.44	1.66	0.00	1.00	0.00
2.84	137.73	1.61	0.00	1.00	0.00	2.85	136.04	1.57	0.00	1.00	0.00
2.86	133.92	1.51	0.00	1.00	0.00	2.87	131.97	1.46	0.00	1.00	0.00
2.88	130.13	1.42	0.00	1.00	0.00	2.89	128.31	1.38	0.00	1.00	0.00
2.90	126.90	1.34	0.24	1.00	0.00	2.91	125.92	1.32	0.25	1.00	0.00
2.92	121.66	1.23	0.35	1.00	0.00	2.93	117.44	1.15	0.50	1.00	0.00
2.94	112.99	1.06	0.51	1.00	0.01	2.95	112.93	1.06	0.51	1.00	0.01
2.96	112.74	1.06	0.51	1.00	0.01	2.97	112.81	1.06	0.51	1.00	0.01
2.98	113.16	1.06	0.51	1.00	0.01	2.99	113.76	1.08	0.51	1.00	0.01
3.00	114.21	1.08	0.51	1.00	0.01	3.01	114.49	1.09	0.50	1.00	0.01
3.02	114.48	1.09	0.50	1.00	0.01	3.03	114.14	1.08	0.51	1.00	0.01
3.04	113.51	1.07	0.51	1.00	0.01	3.05	112.75	1.05	0.51	1.00	0.01
3.06	111.54	1.03	0.80	1.00	0.01	3.07	110.18	1.01	0.81	1.00	0.01
3.08	108.67	0.98	0.82	1.00	0.01	3.09	107.74	0.97	0.82	1.00	0.01
3.10	106.95	0.96	0.83	1.00	0.01	3.11	106.51	0.95	1.43	1.00	0.01
3.12	106.41	0.95	1.43	1.00	0.01	3.13	106.72	0.95	0.83	1.00	0.01
3.14	107.27	0.96	0.83	1.00	0.01	3.15	108.20	0.97	0.82	1.00	0.01
3.16	109.11	0.99	0.81	1.00	0.01	3.17	109.85	1.00	0.81	1.00	0.01
3.18	110.00	1.00	0.81	1.00	0.01	3.19	109.90	1.00	0.81	1.00	0.01
3.20	109.74	1.00	0.81	1.00	0.01	3.21	109.60	0.99	0.81	1.00	0.01
3.22	109.62	0.99	0.81	1.00	0.01	3.23	109.93	1.00	0.81	1.00	0.01
3.24	110.38	1.01	0.81	1.00	0.01	3.25	110.83	1.01	0.80	1.00	0.01
3.26	111.10	1.02	0.80	1.00	0.01	3.27	111.13	1.02	0.80	1.00	0.01
3.28	111.33	1.02	0.80	1.00	0.01	3.29	111.68	1.03	0.80	1.00	0.01
3.30	112.31	1.04	0.79	1.00	0.01	3.31	112.94	1.05	0.79	1.00	0.01
3.32	113.74	1.06	0.51	1.00	0.01	3.33	115.30	1.09	0.50	1.00	0.01
3.34	117.28	1.12	0.50	1.00	0.00	3.35	119.44	1.16	0.36	1.00	0.00
3.36	121.34	1.20	0.35	1.00	0.00	3.37	123.17	1.24	0.35	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.38	125.94	1.30	0.25	1.00	0.00	3.39	131.00	1.41	0.00	1.00	0.00
3.40	135.69	1.52	0.00	1.00	0.00	3.41	140.52	1.65	0.00	1.00	0.00
3.42	145.29	1.78	0.00	1.00	0.00	3.43	149.70	1.91	0.00	1.00	0.00
3.44	152.52	1.99	0.00	1.00	0.00	3.45	156.14	2.00	0.00	1.00	0.00
3.46	159.65	2.00	0.00	1.00	0.00	3.47	162.70	2.00	0.00	1.00	0.00
3.48	163.96	2.00	0.00	1.00	0.00	3.49	164.15	2.00	0.00	1.00	0.00
3.50	162.82	2.00	0.00	1.00	0.00	3.51	160.88	2.00	0.00	1.00	0.00
3.52	158.69	2.00	0.00	1.00	0.00	3.53	156.91	2.00	0.00	1.00	0.00
3.54	155.33	2.00	0.00	1.00	0.00	3.55	153.91	2.00	0.00	1.00	0.00
3.56	152.85	2.00	0.00	1.00	0.00	3.57	151.73	1.96	0.00	1.00	0.00
3.58	150.34	1.92	0.00	1.00	0.00	3.59	149.72	1.90	0.00	1.00	0.00
3.60	148.75	1.87	0.00	1.00	0.00	3.61	148.01	1.85	0.00	1.00	0.00
3.62	147.38	1.83	0.00	1.00	0.00	3.63	146.34	1.80	0.00	1.00	0.00
3.64	144.95	1.76	0.00	1.00	0.00	3.65	143.31	1.71	0.00	1.00	0.00
3.66	141.78	1.67	0.00	1.00	0.00	3.67	139.46	1.61	0.00	1.00	0.00
3.68	136.79	1.54	0.00	1.00	0.00	3.69	133.77	1.46	0.00	1.00	0.00
3.70	131.07	1.40	0.00	1.00	0.00	3.71	127.60	1.32	0.24	1.00	0.00
3.72	124.44	1.25	0.25	1.00	0.00	3.73	121.54	1.19	0.35	1.00	0.00
3.74	119.77	1.16	0.36	1.00	0.00	3.75	118.00	1.12	0.50	1.00	0.00
3.76	116.74	1.10	0.50	1.00	0.00	3.77	115.81	1.08	0.50	1.00	0.01
3.78	115.33	1.07	0.50	1.00	0.01	3.79	114.64	1.06	0.50	1.00	0.01
3.80	113.88	1.05	0.78	1.00	0.01	3.81	113.07	1.03	0.79	1.00	0.01
3.82	112.56	1.02	0.79	1.00	0.01	3.83	112.07	1.02	0.79	1.00	0.01
3.84	111.46	1.01	0.80	1.00	0.01	3.85	110.52	0.99	0.80	1.00	0.01
3.86	109.00	0.96	0.82	1.00	0.01	3.87	107.53	0.94	1.41	1.00	0.01
3.88	106.30	0.92	1.43	1.00	0.01	3.89	105.54	0.91	1.45	1.00	0.01
3.90	105.01	0.90	1.46	1.00	0.01	3.91	104.66	0.90	1.47	1.00	0.01
3.92	101.07	0.85	2.00	1.00	0.02	3.93	97.75	0.80	2.10	1.00	0.02
3.94	87.34	0.68	2.61	1.00	0.03	3.95	96.00	0.78	2.16	1.00	0.02
3.96	97.97	0.80	2.09	1.00	0.02	3.97	100.12	0.83	2.03	1.00	0.02
3.98	102.34	0.86	1.52	1.00	0.02	3.99	104.26	0.89	1.47	1.00	0.01
4.00	105.56	0.91	1.45	1.00	0.01	4.01	106.01	0.91	1.44	1.00	0.01
4.02	105.38	0.90	1.45	1.00	0.01	4.03	104.37	0.89	1.47	1.00	0.01
4.04	103.35	0.87	1.49	1.00	0.01	4.05	102.56	0.86	1.51	1.00	0.02
4.06	102.14	0.86	1.52	1.00	0.02	4.07	102.51	0.86	1.51	1.00	0.02
4.08	103.50	0.88	1.49	1.00	0.01	4.09	105.16	0.90	1.46	1.00	0.01
4.10	106.97	0.93	1.42	1.00	0.01	4.11	108.79	0.95	0.82	1.00	0.01
4.12	110.71	0.99	0.80	1.00	0.01	4.13	112.33	1.01	0.79	1.00	0.01
4.14	111.04	0.99	0.80	1.00	0.01	4.15	113.45	1.03	0.79	1.00	0.01
4.16	116.46	1.08	0.50	1.00	0.00	4.17	119.31	1.14	0.49	1.00	0.00
4.18	121.84	1.18	0.35	1.00	0.00	4.19	123.88	1.23	0.35	1.00	0.00
4.20	126.30	1.28	0.24	1.00	0.00	4.21	129.39	1.34	0.24	1.00	0.00
4.22	132.27	1.41	0.00	1.00	0.00	4.23	135.16	1.48	0.00	1.00	0.00
4.24	138.41	1.56	0.00	1.00	0.00	4.25	141.00	1.62	0.00	1.00	0.00
4.26	142.97	1.68	0.00	1.00	0.00	4.27	143.60	1.69	0.00	1.00	0.00
4.28	143.91	1.70	0.00	1.00	0.00	4.29	143.92	1.70	0.00	1.00	0.00
4.30	143.85	1.70	0.00	1.00	0.00	4.31	143.53	1.69	0.00	1.00	0.00
4.32	142.46	1.66	0.00	1.00	0.00	4.33	140.83	1.62	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.34	139.38	1.58	0.00	1.00	0.00	4.35	139.59	1.58	0.00	1.00	0.00
4.36	139.63	1.58	0.00	1.00	0.00	4.37	139.39	1.58	0.00	1.00	0.00
4.38	138.83	1.56	0.00	1.00	0.00	4.39	138.16	1.55	0.00	1.00	0.00
4.40	137.26	1.52	0.00	1.00	0.00	4.41	136.27	1.50	0.00	1.00	0.00
4.42	135.02	1.47	0.00	1.00	0.00	4.43	133.79	1.44	0.00	1.00	0.00
4.44	132.40	1.41	0.00	1.00	0.00	4.45	130.26	1.36	0.00	1.00	0.00
4.46	127.95	1.31	0.24	1.00	0.00	4.47	125.35	1.25	0.35	1.00	0.00
4.48	123.09	1.20	0.35	1.00	0.00	4.49	120.78	1.16	0.35	1.00	0.00
4.50	118.03	1.11	0.49	1.00	0.00	4.51	115.66	1.06	0.50	1.00	0.01
4.52	113.67	1.03	0.78	1.00	0.01	4.53	112.59	1.01	0.79	1.00	0.01
4.54	111.74	1.00	0.80	1.00	0.01	4.55	110.80	0.98	0.80	1.00	0.01
4.56	109.85	0.96	0.81	1.00	0.01	4.57	108.92	0.95	1.38	1.00	0.01
4.58	108.32	0.94	1.39	1.00	0.01	4.59	107.96	0.93	1.40	1.00	0.01
4.60	107.71	0.93	1.40	1.00	0.01	4.61	107.59	0.93	1.41	1.00	0.01
4.62	107.48	0.93	1.41	1.00	0.01	4.63	107.43	0.93	1.41	1.00	0.01
4.64	107.41	0.93	1.41	1.00	0.01	4.65	107.48	0.93	1.41	1.00	0.01
4.66	107.48	0.93	1.41	1.00	0.01	4.67	107.27	0.92	1.41	1.00	0.01
4.68	106.42	0.91	1.43	1.00	0.01	4.69	105.23	0.89	1.45	1.00	0.01
4.70	103.76	0.87	1.48	1.00	0.01	4.71	102.48	0.85	1.51	1.00	0.02
4.72	101.26	0.84	1.99	1.00	0.02	4.73	100.45	0.82	2.02	1.00	0.02
4.74	100.03	0.82	2.03	1.00	0.02	4.75	100.07	0.82	2.03	1.00	0.02
4.76	100.26	0.82	2.02	1.00	0.02	4.77	100.45	0.82	2.02	1.00	0.02
4.78	100.57	0.83	2.02	1.00	0.02	4.79	100.59	0.83	2.01	1.00	0.02
4.80	100.60	0.83	2.01	1.00	0.02	4.81	100.66	0.83	2.01	1.00	0.02
4.82	100.77	0.83	2.01	1.00	0.02	4.83	100.85	0.83	2.01	1.00	0.02
4.84	100.71	0.83	2.01	1.00	0.02	4.85	100.40	0.82	2.02	1.00	0.02
4.86	100.23	0.82	2.03	1.00	0.02	4.87	93.57	0.74	2.47	1.00	0.02
4.88	94.93	0.75	2.19	1.00	0.02	4.89	96.13	0.77	2.15	1.00	0.02
4.90	96.86	0.78	2.13	1.00	0.02	4.91	97.15	0.78	2.12	1.00	0.02
4.92	95.66	0.76	2.17	1.00	0.02	4.93	94.07	0.74	2.46	1.00	0.02
4.94	92.93	0.73	2.48	1.00	0.02	4.95	92.01	0.72	2.50	1.00	0.03
4.96	90.41	0.70	2.54	1.00	0.03	4.97	88.53	0.68	2.58	1.00	0.03
4.98	86.15	0.66	2.64	1.00	0.03	4.99	82.57	0.62	2.73	1.00	0.03
5.00	77.86	0.58	2.87	1.00	0.03	5.01	84.90	0.64	2.67	1.00	0.03
5.02	83.92	0.63	2.70	1.00	0.03	5.03	83.61	0.63	2.71	1.00	0.03
5.04	83.41	0.63	2.71	1.00	0.03	5.05	83.34	0.63	2.71	1.00	0.03
5.06	83.29	0.63	2.71	1.00	0.03	5.07	83.13	0.63	2.72	1.00	0.03
5.08	82.76	0.62	2.73	1.00	0.03	5.09	82.11	0.62	2.75	1.00	0.03
5.10	80.76	0.61	2.78	1.00	0.03	5.11	79.19	0.59	2.83	1.00	0.03
5.12	77.46	0.58	2.88	1.00	0.03	5.13	76.10	0.57	2.92	1.00	0.03
5.14	74.81	0.56	2.96	1.00	0.03	5.15	74.42	0.56	2.98	1.00	0.03
5.16	75.59	0.56	2.94	1.00	0.03	5.17	78.10	0.58	2.86	1.00	0.03
5.18	81.95	0.62	2.75	1.00	0.03	5.19	86.89	2.00	0.00	1.00	0.00
5.20	93.71	2.00	0.00	1.00	0.00	5.21	100.05	2.00	0.00	1.00	0.00
5.22	105.19	2.00	0.00	1.00	0.00	5.23	108.08	2.00	0.00	1.00	0.00
5.24	107.45	2.00	0.00	1.00	0.00	5.25	98.99	0.80	2.06	1.00	0.02
5.26	92.70	0.72	2.49	1.00	0.02	5.27	89.29	0.68	2.56	1.00	0.03
5.28	87.67	0.67	2.60	1.00	0.03	5.29	85.70	0.65	2.65	1.00	0.03

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.30	83.81	0.63	2.70	1.00	0.03	5.31	81.83	0.61	2.75	1.00	0.03
5.32	80.17	0.60	2.80	1.00	0.03	5.33	78.59	0.59	2.85	1.00	0.03
5.34	77.16	0.57	2.89	1.00	0.03	5.35	75.78	0.56	2.93	1.00	0.03
5.36	74.85	0.56	2.96	1.00	0.03	5.37	74.28	0.55	2.98	1.00	0.03
5.38	73.88	0.55	3.00	1.00	0.03	5.39	73.31	0.55	3.01	1.00	0.03
5.40	72.40	0.54	3.05	1.00	0.03	5.41	71.67	0.53	3.07	1.00	0.03
5.42	71.01	0.53	3.09	1.00	0.03	5.43	70.64	0.53	3.11	1.00	0.03
5.44	70.34	0.52	3.12	1.00	0.03	5.45	69.72	0.52	3.14	1.00	0.03
5.46	68.89	0.52	3.17	1.00	0.03	5.47	67.88	0.51	3.21	1.00	0.03
5.48	66.86	0.50	3.25	1.00	0.03	5.49	65.70	0.50	3.30	1.00	0.03
5.50	64.44	0.49	3.35	1.00	0.03	5.51	62.90	0.48	3.42	1.00	0.03
5.52	61.51	0.47	3.48	1.00	0.03	5.53	60.20	0.47	3.54	1.00	0.04
5.54	59.29	0.46	3.59	1.00	0.04	5.55	58.20	0.46	3.64	1.00	0.04
5.56	57.48	0.46	3.68	1.00	0.04	5.57	56.78	0.45	3.72	1.00	0.04
5.58	56.63	0.45	3.72	1.00	0.04	5.59	40.09	0.39	4.94	1.00	0.05
5.60	41.15	0.39	4.84	1.00	0.05	5.61	41.51	0.39	4.80	1.00	0.05
5.62	58.43	0.46	3.63	1.00	0.04	5.63	58.75	0.46	3.61	1.00	0.04
5.64	59.09	0.46	3.60	1.00	0.04	5.65	59.88	0.46	3.56	1.00	0.04
5.66	60.83	0.47	3.51	1.00	0.04	5.67	61.06	0.47	3.50	1.00	0.04
5.68	60.31	0.47	3.54	1.00	0.04	5.69	58.03	0.46	3.65	1.00	0.04
5.70	54.86	0.44	3.82	1.00	0.04	5.71	51.91	0.43	4.00	1.00	0.04
5.72	51.74	0.43	4.01	1.00	0.04	5.73	54.51	0.44	3.84	1.00	0.04
5.74	59.21	2.00	0.00	1.00	0.00	5.75	63.14	2.00	0.00	1.00	0.00
5.76	67.93	2.00	0.00	1.00	0.00	5.77	74.96	2.00	0.00	1.00	0.00
5.78	79.83	2.00	0.00	1.00	0.00	5.79	82.39	2.00	0.00	1.00	0.00
5.80	82.25	2.00	0.00	1.00	0.00	5.81	81.45	2.00	0.00	1.00	0.00
5.82	80.43	2.00	0.00	1.00	0.00	5.83	79.26	2.00	0.00	1.00	0.00
5.84	77.86	2.00	0.00	1.00	0.00	5.85	75.44	2.00	0.00	1.00	0.00
5.86	72.78	2.00	0.00	1.00	0.00	5.87	70.10	2.00	0.00	1.00	0.00
5.88	68.16	2.00	0.00	1.00	0.00	5.89	66.21	2.00	0.00	1.00	0.00
5.90	64.91	2.00	0.00	1.00	0.00	5.91	64.30	2.00	0.00	1.00	0.00
5.92	59.62	2.00	0.00	1.00	0.00	5.93	53.93	2.00	0.00	1.00	0.00
5.94	47.59	2.00	0.00	1.00	0.00	5.95	49.43	2.00	0.00	1.00	0.00
5.96	52.95	2.00	0.00	1.00	0.00	5.97	56.82	2.00	0.00	1.00	0.00
5.98	58.97	2.00	0.00	1.00	0.00	5.99	60.64	2.00	0.00	1.00	0.00
6.00	62.46	2.00	0.00	1.00	0.00	6.01	63.14	2.00	0.00	1.00	0.00
6.02	62.82	2.00	0.00	1.00	0.00	6.03	61.78	2.00	0.00	1.00	0.00
6.04	61.39	2.00	0.00	1.00	0.00	6.05	61.02	2.00	0.00	1.00	0.00
6.06	59.75	0.46	3.56	1.00	0.04	6.07	58.46	0.45	3.63	1.00	0.04
6.08	57.67	0.45	3.67	1.00	0.04	6.09	56.71	0.45	3.72	1.00	0.04
6.10	55.88	0.44	3.77	1.00	0.04	6.11	54.97	0.44	3.82	1.00	0.04
6.12	53.89	0.44	3.88	1.00	0.04	6.13	53.28	0.43	3.92	1.00	0.04
6.14	52.94	0.43	3.94	1.00	0.04	6.15	53.00	0.43	3.93	1.00	0.04
6.16	53.54	0.43	3.90	1.00	0.04	6.17	55.00	0.44	3.81	1.00	0.04
6.18	56.21	0.44	3.75	1.00	0.04	6.19	56.26	0.44	3.74	1.00	0.04
6.20	55.88	0.44	3.77	1.00	0.04	6.21	57.66	0.45	3.67	1.00	0.04
6.22	60.16	0.46	3.54	1.00	0.04	6.23	62.72	0.47	3.43	1.00	0.03
6.24	63.77	0.48	3.38	1.00	0.03	6.25	64.55	0.48	3.35	1.00	0.03

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.26	64.72	0.48	3.34	1.00	0.03	6.27	64.39	0.48	3.35	1.00	0.03
6.28	63.87	0.48	3.37	1.00	0.03	6.29	62.86	0.47	3.42	1.00	0.03
6.30	61.94	0.47	3.46	1.00	0.03	6.31	61.51	0.47	3.48	1.00	0.03
6.32	61.21	0.46	3.49	1.00	0.03	6.33	60.99	0.46	3.51	1.00	0.04
6.34	60.30	0.46	3.54	1.00	0.04	6.35	59.51	0.46	3.58	1.00	0.04
6.36	58.86	0.45	3.61	1.00	0.04	6.37	57.97	0.45	3.65	1.00	0.04
6.38	57.62	0.45	3.67	1.00	0.04	6.39	57.93	0.45	3.66	1.00	0.04
6.40	58.78	0.45	3.61	1.00	0.04	6.41	59.67	0.46	3.57	1.00	0.04
6.42	59.99	0.46	3.55	1.00	0.04	6.43	59.63	0.46	3.57	1.00	0.04
6.44	57.76	0.45	3.67	1.00	0.04	6.45	55.48	0.44	3.79	1.00	0.04
6.46	53.41	0.43	3.91	1.00	0.04	6.47	52.49	0.43	3.96	1.00	0.04
6.48	51.60	0.42	4.02	1.00	0.04	6.49	50.65	0.42	4.08	1.00	0.04
6.50	49.57	0.42	4.15	1.00	0.04	6.51	48.55	0.41	4.23	1.00	0.04
6.52	27.78	0.33	5.80	1.00	0.06	6.53	27.64	0.33	5.80	1.00	0.06
6.54	27.26	0.33	5.80	1.00	0.06	6.55	26.51	0.33	5.80	1.00	0.06
6.56	24.87	0.32	5.80	1.00	0.06	6.57	23.16	0.32	5.80	1.00	0.06
6.58	44.56	0.40	4.53	1.00	0.05	6.59	44.76	0.40	4.52	1.00	0.05
6.60	45.52	0.40	4.46	1.00	0.04	6.61	47.14	0.41	4.33	1.00	0.04
6.62	49.87	0.42	4.13	1.00	0.04	6.63	52.91	0.43	3.94	1.00	0.04
6.64	56.09	0.44	3.75	1.00	0.04	6.65	58.60	0.45	3.62	1.00	0.04
6.66	60.45	0.46	3.53	1.00	0.04	6.67	63.38	0.47	3.40	1.00	0.03
6.68	68.37	0.50	3.19	1.00	0.03	6.69	65.60	0.48	3.30	1.00	0.03
6.70	74.22	0.54	2.98	1.00	0.03	6.71	83.16	0.61	2.72	1.00	0.03
6.72	90.30	0.68	2.54	1.00	0.03	6.73	95.72	0.74	2.42	1.00	0.02
6.74	97.57	0.76	2.11	1.00	0.02	6.75	98.24	0.77	2.09	1.00	0.02
6.76	98.15	0.77	2.09	1.00	0.02	6.77	97.48	0.76	2.11	1.00	0.02
6.78	95.81	0.74	2.42	1.00	0.02	6.79	93.85	0.71	2.46	1.00	0.02
6.80	91.92	0.69	2.50	1.00	0.03	6.81	90.42	0.68	2.54	1.00	0.03
6.82	88.96	0.66	2.57	1.00	0.03	6.83	87.64	0.65	2.60	1.00	0.03
6.84	86.05	0.63	2.64	1.00	0.03	6.85	94.36	0.72	2.45	1.00	0.02
6.86	94.93	0.73	2.44	1.00	0.02	6.87	95.24	0.73	2.43	1.00	0.02
6.88	95.10	0.73	2.43	1.00	0.02	6.89	94.49	0.72	2.45	1.00	0.02
6.90	93.93	0.72	2.46	1.00	0.02	6.91	93.62	0.71	2.47	1.00	0.02
6.92	89.44	0.67	2.56	1.00	0.03	6.93	85.00	0.62	2.67	1.00	0.03
6.94	69.33	0.51	3.16	1.00	0.03	6.95	79.35	0.58	2.82	1.00	0.03
6.96	78.08	0.57	2.86	1.00	0.03	6.97	76.70	0.56	2.90	1.00	0.03
6.98	75.23	0.54	2.95	1.00	0.03	6.99	73.96	0.54	2.99	1.00	0.03
7.00	72.33	0.52	3.05	1.00	0.03	7.01	70.37	0.51	3.12	1.00	0.03
7.02	68.36	0.50	3.19	1.00	0.03	7.03	66.60	0.49	3.26	1.00	0.03
7.04	65.26	0.48	3.32	1.00	0.03	7.05	64.12	0.48	3.36	1.00	0.03
7.06	63.29	0.47	3.40	1.00	0.03	7.07	62.75	0.47	3.42	1.00	0.03
7.08	62.48	0.47	3.44	1.00	0.03	7.09	62.57	0.47	3.43	1.00	0.03
7.10	63.00	0.47	3.41	1.00	0.03	7.11	64.47	0.48	3.35	1.00	0.03
7.12	66.56	0.49	3.26	1.00	0.03	7.13	69.06	0.50	3.17	1.00	0.03
7.14	71.78	0.52	3.07	1.00	0.03	7.15	75.48	0.55	2.94	1.00	0.03
7.16	82.02	0.60	2.75	1.00	0.03	7.17	88.48	0.66	2.58	1.00	0.03
7.18	93.45	0.71	2.47	1.00	0.02	7.19	95.39	0.73	2.43	1.00	0.02
7.20	95.76	0.74	2.42	1.00	0.02	7.21	96.00	0.74	2.42	1.00	0.02

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.22	95.68	0.74	2.42	1.00	0.02	7.23	95.04	0.73	2.44	1.00	0.02
7.24	93.83	0.71	2.46	1.00	0.02	7.25	92.40	0.70	2.49	1.00	0.02
7.26	91.50	0.69	2.51	1.00	0.03	7.27	89.77	0.67	2.55	1.00	0.03
7.28	87.69	0.65	2.60	1.00	0.03	7.29	84.54	0.62	2.68	1.00	0.03
7.30	81.79	0.60	2.76	1.00	0.03	7.31	69.72	0.51	3.14	1.00	0.03
7.32	70.63	0.51	3.11	1.00	0.03	7.33	71.12	0.52	3.09	1.00	0.03
7.34	71.44	0.52	3.08	1.00	0.03	7.35	71.73	0.52	3.07	1.00	0.03
7.36	71.77	0.52	3.07	1.00	0.03	7.37	71.67	0.52	3.07	1.00	0.03
7.38	71.49	0.52	3.08	1.00	0.03	7.39	71.38	0.52	3.08	1.00	0.03
7.40	71.33	0.52	3.08	1.00	0.03	7.41	71.11	0.52	3.09	1.00	0.03
7.42	70.61	0.51	3.11	1.00	0.03	7.43	69.73	0.51	3.14	1.00	0.03
7.44	68.65	0.50	3.18	1.00	0.03	7.45	66.50	0.49	3.27	1.00	0.03
7.46	63.89	0.47	3.37	1.00	0.03	7.47	73.99	0.54	2.99	1.00	0.03
7.48	72.75	0.53	3.03	1.00	0.03	7.49	71.77	0.52	3.07	1.00	0.03
7.50	71.91	0.52	3.06	1.00	0.03	7.51	74.20	0.54	2.98	1.00	0.03
7.52	78.33	0.57	2.85	1.00	0.03	7.53	82.51	0.60	2.74	1.00	0.03
7.54	86.73	0.64	2.63	1.00	0.03	7.55	91.27	0.69	2.52	1.00	0.03
7.56	96.78	2.00	0.00	1.00	0.00	7.57	101.70	2.00	0.00	1.00	0.00
7.58	105.70	2.00	0.00	1.00	0.00	7.59	107.57	2.00	0.00	1.00	0.00
7.60	108.47	2.00	0.00	1.00	0.00	7.61	108.62	2.00	0.00	1.00	0.00
7.62	107.26	2.00	0.00	1.00	0.00	7.63	105.92	2.00	0.00	1.00	0.00
7.64	104.91	2.00	0.00	1.00	0.00	7.65	105.16	2.00	0.00	1.00	0.00
7.66	105.52	2.00	0.00	1.00	0.00	7.67	105.77	2.00	0.00	1.00	0.00
7.68	105.39	2.00	0.00	1.00	0.00	7.69	104.54	2.00	0.00	1.00	0.00
7.70	103.21	2.00	0.00	1.00	0.00	7.71	102.53	2.00	0.00	1.00	0.00
7.72	102.47	2.00	0.00	1.00	0.00	7.73	103.67	2.00	0.00	1.00	0.00
7.74	105.28	2.00	0.00	1.00	0.00	7.75	107.25	2.00	0.00	1.00	0.00
7.76	108.51	2.00	0.00	1.00	0.00	7.77	109.56	2.00	0.00	1.00	0.00
7.78	111.03	2.00	0.00	1.00	0.00	7.79	112.83	2.00	0.00	1.00	0.00
7.80	114.54	2.00	0.00	1.00	0.00	7.81	115.70	2.00	0.00	1.00	0.00
7.82	116.71	2.00	0.00	1.00	0.00	7.83	117.91	2.00	0.00	1.00	0.00
7.84	119.21	2.00	0.00	1.00	0.00	7.85	120.48	2.00	0.00	1.00	0.00
7.86	121.73	2.00	0.00	1.00	0.00	7.87	122.74	2.00	0.00	1.00	0.00
7.88	123.73	2.00	0.00	1.00	0.00	7.89	124.76	2.00	0.00	1.00	0.00
7.90	125.40	2.00	0.00	1.00	0.00	7.91	125.72	2.00	0.00	1.00	0.00
7.92	124.75	2.00	0.00	1.00	0.00	7.93	124.59	2.00	0.00	1.00	0.00
7.94	124.59	2.00	0.00	1.00	0.00	7.95	126.02	2.00	0.00	1.00	0.00
7.96	126.89	2.00	0.00	1.00	0.00	7.97	127.54	2.00	0.00	1.00	0.00
7.98	127.76	2.00	0.00	1.00	0.00	7.99	127.94	2.00	0.00	1.00	0.00
8.00	128.44	2.00	0.00	1.00	0.00	8.01	128.72	2.00	0.00	1.00	0.00
8.02	128.45	2.00	0.00	1.00	0.00	8.03	127.94	2.00	0.00	1.00	0.00
8.04	127.41	2.00	0.00	1.00	0.00	8.05	126.96	2.00	0.00	1.00	0.00
8.06	126.14	2.00	0.00	1.00	0.00	8.07	124.40	2.00	0.00	1.00	0.00
8.08	122.26	2.00	0.00	1.00	0.00	8.09	119.83	2.00	0.00	1.00	0.00
8.10	117.81	2.00	0.00	1.00	0.00	8.11	114.99	2.00	0.00	1.00	0.00
8.12	112.12	2.00	0.00	1.00	0.00	8.13	109.17	2.00	0.00	1.00	0.00
8.14	106.98	2.00	0.00	1.00	0.00	8.15	104.69	2.00	0.00	1.00	0.00
8.16	102.40	2.00	0.00	1.00	0.00	8.17	99.83	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.18	97.54	2.00	0.00	1.00	0.00	8.19	95.40	2.00	0.00	1.00	0.00
8.20	93.77	2.00	0.00	1.00	0.00	8.21	92.26	2.00	0.00	1.00	0.00
8.22	91.14	2.00	0.00	1.00	0.00	8.23	90.44	2.00	0.00	1.00	0.00
8.24	90.11	2.00	0.00	1.00	0.00	8.25	90.00	2.00	0.00	1.00	0.00
8.26	89.80	2.00	0.00	1.00	0.00	8.27	89.29	2.00	0.00	1.00	0.00
8.28	88.12	2.00	0.00	1.00	0.00	8.29	86.88	2.00	0.00	1.00	0.00
8.30	85.79	2.00	0.00	1.00	0.00	8.31	85.15	2.00	0.00	1.00	0.00
8.32	84.56	2.00	0.00	1.00	0.00	8.33	84.03	2.00	0.00	1.00	0.00
8.34	83.68	2.00	0.00	1.00	0.00	8.35	83.40	2.00	0.00	1.00	0.00
8.36	82.85	2.00	0.00	1.00	0.00	8.37	81.84	2.00	0.00	1.00	0.00
8.38	80.42	2.00	0.00	1.00	0.00	8.39	78.81	2.00	0.00	1.00	0.00
8.40	77.21	2.00	0.00	1.00	0.00	8.41	75.70	2.00	0.00	1.00	0.00
8.42	74.50	2.00	0.00	1.00	0.00	8.43	73.59	2.00	0.00	1.00	0.00
8.44	73.01	2.00	0.00	1.00	0.00	8.45	72.43	2.00	0.00	1.00	0.00
8.46	71.89	2.00	0.00	1.00	0.00	8.47	71.60	2.00	0.00	1.00	0.00
8.48	71.52	2.00	0.00	1.00	0.00	8.49	71.56	2.00	0.00	1.00	0.00
8.50	71.66	2.00	0.00	1.00	0.00	8.51	71.91	2.00	0.00	1.00	0.00
8.52	72.76	2.00	0.00	1.00	0.00	8.53	73.84	2.00	0.00	1.00	0.00
8.54	75.03	2.00	0.00	1.00	0.00	8.55	75.65	2.00	0.00	1.00	0.00
8.56	76.04	2.00	0.00	1.00	0.00	8.57	76.12	2.00	0.00	1.00	0.00
8.58	75.55	2.00	0.00	1.00	0.00	8.59	74.45	2.00	0.00	1.00	0.00
8.60	73.13	2.00	0.00	1.00	0.00	8.61	72.32	2.00	0.00	1.00	0.00
8.62	71.90	2.00	0.00	1.00	0.00	8.63	71.57	2.00	0.00	1.00	0.00
8.64	70.84	2.00	0.00	1.00	0.00	8.65	69.63	2.00	0.00	1.00	0.00
8.66	68.13	2.00	0.00	1.00	0.00	8.67	66.80	2.00	0.00	1.00	0.00
8.68	65.57	2.00	0.00	1.00	0.00	8.69	64.32	2.00	0.00	1.00	0.00
8.70	63.47	2.00	0.00	1.00	0.00	8.71	63.29	2.00	0.00	1.00	0.00
8.72	61.98	2.00	0.00	1.00	0.00	8.73	60.45	2.00	0.00	1.00	0.00
8.74	58.18	2.00	0.00	1.00	0.00	8.75	57.35	2.00	0.00	1.00	0.00
8.76	56.41	2.00	0.00	1.00	0.00	8.77	55.71	2.00	0.00	1.00	0.00
8.78	55.43	2.00	0.00	1.00	0.00	8.79	55.62	2.00	0.00	1.00	0.00
8.80	55.93	2.00	0.00	1.00	0.00	8.81	56.12	2.00	0.00	1.00	0.00
8.82	56.15	2.00	0.00	1.00	0.00	8.83	56.24	2.00	0.00	1.00	0.00
8.84	56.54	2.00	0.00	1.00	0.00	8.85	57.16	2.00	0.00	1.00	0.00
8.86	57.61	2.00	0.00	1.00	0.00	8.87	57.73	2.00	0.00	1.00	0.00
8.88	57.45	2.00	0.00	1.00	0.00	8.89	57.13	2.00	0.00	1.00	0.00
8.90	56.91	2.00	0.00	1.00	0.00	8.91	56.79	2.00	0.00	1.00	0.00
8.92	59.45	2.00	0.00	1.00	0.00	8.93	63.27	2.00	0.00	1.00	0.00
8.94	68.57	2.00	0.00	1.00	0.00	8.95	72.30	2.00	0.00	1.00	0.00
8.96	75.08	2.00	0.00	1.00	0.00	8.97	76.37	2.00	0.00	1.00	0.00
8.98	76.76	2.00	0.00	1.00	0.00	8.99	75.75	2.00	0.00	1.00	0.00
9.00	73.89	2.00	0.00	1.00	0.00	9.01	72.26	2.00	0.00	1.00	0.00
9.02	71.72	2.00	0.00	1.00	0.00	9.03	71.95	2.00	0.00	1.00	0.00
9.04	71.84	2.00	0.00	1.00	0.00	9.05	71.01	2.00	0.00	1.00	0.00
9.06	69.39	2.00	0.00	1.00	0.00	9.07	67.26	2.00	0.00	1.00	0.00
9.08	64.90	2.00	0.00	1.00	0.00	9.09	62.31	2.00	0.00	1.00	0.00
9.10	60.06	2.00	0.00	1.00	0.00	9.11	58.02	2.00	0.00	1.00	0.00
9.12	56.57	2.00	0.00	1.00	0.00	9.13	55.23	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.14	54.58	2.00	0.00	1.00	0.00	9.15	54.89	2.00	0.00	1.00	0.00
9.16	55.91	2.00	0.00	1.00	0.00	9.17	57.38	2.00	0.00	1.00	0.00
9.18	59.33	2.00	0.00	1.00	0.00	9.19	61.91	2.00	0.00	1.00	0.00
9.20	66.59	2.00	0.00	1.00	0.00	9.21	71.31	2.00	0.00	1.00	0.00
9.22	75.98	2.00	0.00	1.00	0.00	9.23	79.65	2.00	0.00	1.00	0.00
9.24	83.38	2.00	0.00	1.00	0.00	9.25	88.18	2.00	0.00	1.00	0.00
9.26	92.39	2.00	0.00	1.00	0.00	9.27	96.32	2.00	0.00	1.00	0.00
9.28	98.94	2.00	0.00	1.00	0.00	9.29	101.83	2.00	0.00	1.00	0.00
9.30	104.17	2.00	0.00	1.00	0.00	9.31	105.95	2.00	0.00	1.00	0.00
9.32	106.75	2.00	0.00	1.00	0.00	9.33	107.27	2.00	0.00	1.00	0.00
9.34	108.07	2.00	0.00	1.00	0.00	9.35	108.68	2.00	0.00	1.00	0.00
9.36	109.25	2.00	0.00	1.00	0.00	9.37	109.42	2.00	0.00	1.00	0.00
9.38	109.56	2.00	0.00	1.00	0.00	9.39	109.47	2.00	0.00	1.00	0.00
9.40	109.33	2.00	0.00	1.00	0.00	9.41	109.31	2.00	0.00	1.00	0.00
9.42	109.50	2.00	0.00	1.00	0.00	9.43	109.71	2.00	0.00	1.00	0.00
9.44	109.91	2.00	0.00	1.00	0.00	9.45	109.71	2.00	0.00	1.00	0.00
9.46	108.89	2.00	0.00	1.00	0.00	9.47	107.76	2.00	0.00	1.00	0.00
9.48	106.62	2.00	0.00	1.00	0.00	9.49	105.99	2.00	0.00	1.00	0.00
9.50	105.66	2.00	0.00	1.00	0.00	9.51	105.64	2.00	0.00	1.00	0.00
9.52	105.62	2.00	0.00	1.00	0.00	9.53	105.40	2.00	0.00	1.00	0.00
9.54	104.79	2.00	0.00	1.00	0.00	9.55	103.73	2.00	0.00	1.00	0.00
9.56	102.44	2.00	0.00	1.00	0.00	9.57	100.91	2.00	0.00	1.00	0.00
9.58	99.47	2.00	0.00	1.00	0.00	9.59	98.08	2.00	0.00	1.00	0.00
9.60	96.99	2.00	0.00	1.00	0.00	9.61	95.65	2.00	0.00	1.00	0.00
9.62	93.41	2.00	0.00	1.00	0.00	9.63	90.55	2.00	0.00	1.00	0.00
9.64	87.49	2.00	0.00	1.00	0.00	9.65	85.04	2.00	0.00	1.00	0.00
9.66	83.00	2.00	0.00	1.00	0.00	9.67	81.61	2.00	0.00	1.00	0.00
9.68	80.95	2.00	0.00	1.00	0.00	9.69	80.83	2.00	0.00	1.00	0.00
9.70	80.95	2.00	0.00	1.00	0.00	9.71	81.16	2.00	0.00	1.00	0.00
9.72	81.45	2.00	0.00	1.00	0.00	9.73	81.82	2.00	0.00	1.00	0.00
9.74	82.36	2.00	0.00	1.00	0.00	9.75	83.00	2.00	0.00	1.00	0.00
9.76	83.67	2.00	0.00	1.00	0.00	9.77	84.13	2.00	0.00	1.00	0.00
9.78	84.50	2.00	0.00	1.00	0.00	9.79	84.82	2.00	0.00	1.00	0.00
9.80	84.97	2.00	0.00	1.00	0.00	9.81	84.95	2.00	0.00	1.00	0.00
9.82	84.79	2.00	0.00	1.00	0.00	9.83	84.64	2.00	0.00	1.00	0.00
9.84	84.53	2.00	0.00	1.00	0.00	9.85	84.50	2.00	0.00	1.00	0.00
9.86	84.61	2.00	0.00	1.00	0.00	9.87	84.86	2.00	0.00	1.00	0.00
9.88	85.17	2.00	0.00	1.00	0.00	9.89	84.81	2.00	0.00	1.00	0.00
9.90	84.09	2.00	0.00	1.00	0.00	9.91	83.03	2.00	0.00	1.00	0.00
9.92	82.66	2.00	0.00	1.00	0.00	9.93	82.03	2.00	0.00	1.00	0.00
9.94	81.15	2.00	0.00	1.00	0.00	9.95	81.24	2.00	0.00	1.00	0.00
9.96	80.94	2.00	0.00	1.00	0.00	9.97	80.40	2.00	0.00	1.00	0.00
9.98	79.66	2.00	0.00	1.00	0.00	9.99	79.29	2.00	0.00	1.00	0.00
10.00	79.37	2.00	0.00	1.00	0.00	10.01	79.82	2.00	0.00	1.00	0.00
10.02	80.38	2.00	0.00	1.00	0.00	10.03	80.75	2.00	0.00	1.00	0.00
10.04	81.12	2.00	0.00	1.00	0.00	10.05	81.71	2.00	0.00	1.00	0.00
10.06	82.20	2.00	0.00	1.00	0.00	10.07	82.55	2.00	0.00	1.00	0.00
10.08	82.62	2.00	0.00	1.00	0.00	10.09	82.78	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.10	83.25	2.00	0.00	1.00	0.00	10.11	83.75	2.00	0.00	1.00	0.00
10.12	84.22	2.00	0.00	1.00	0.00	10.13	84.44	2.00	0.00	1.00	0.00
10.14	84.55	2.00	0.00	1.00	0.00	10.15	84.63	2.00	0.00	1.00	0.00
10.16	84.52	2.00	0.00	1.00	0.00	10.17	84.34	2.00	0.00	1.00	0.00
10.18	83.95	2.00	0.00	1.00	0.00	10.19	83.58	2.00	0.00	1.00	0.00
10.20	83.41	2.00	0.00	1.00	0.00	10.21	83.44	2.00	0.00	1.00	0.00
10.22	83.64	2.00	0.00	1.00	0.00	10.23	83.80	2.00	0.00	1.00	0.00
10.24	83.85	2.00	0.00	1.00	0.00	10.25	83.66	2.00	0.00	1.00	0.00
10.26	83.22	2.00	0.00	1.00	0.00	10.27	82.79	2.00	0.00	1.00	0.00
10.28	82.35	2.00	0.00	1.00	0.00	10.29	81.99	2.00	0.00	1.00	0.00
10.30	81.64	2.00	0.00	1.00	0.00	10.31	81.33	2.00	0.00	1.00	0.00
10.32	80.95	2.00	0.00	1.00	0.00	10.33	80.43	2.00	0.00	1.00	0.00
10.34	79.84	2.00	0.00	1.00	0.00	10.35	79.35	2.00	0.00	1.00	0.00
10.36	79.25	2.00	0.00	1.00	0.00	10.37	79.64	2.00	0.00	1.00	0.00
10.38	80.41	2.00	0.00	1.00	0.00	10.39	81.28	2.00	0.00	1.00	0.00
10.40	82.54	2.00	0.00	1.00	0.00	10.41	83.64	2.00	0.00	1.00	0.00
10.42	84.51	2.00	0.00	1.00	0.00	10.43	84.63	2.00	0.00	1.00	0.00
10.44	84.61	2.00	0.00	1.00	0.00	10.45	84.68	2.00	0.00	1.00	0.00
10.46	84.80	2.00	0.00	1.00	0.00	10.47	84.83	2.00	0.00	1.00	0.00
10.48	84.70	2.00	0.00	1.00	0.00	10.49	84.69	2.00	0.00	1.00	0.00
10.50	85.04	2.00	0.00	1.00	0.00	10.51	85.64	2.00	0.00	1.00	0.00
10.52	86.31	2.00	0.00	1.00	0.00	10.53	86.73	2.00	0.00	1.00	0.00
10.54	86.90	2.00	0.00	1.00	0.00	10.55	86.94	2.00	0.00	1.00	0.00
10.56	86.92	2.00	0.00	1.00	0.00	10.57	86.87	2.00	0.00	1.00	0.00
10.58	86.96	2.00	0.00	1.00	0.00	10.59	87.05	2.00	0.00	1.00	0.00
10.60	87.15	2.00	0.00	1.00	0.00	10.61	87.01	2.00	0.00	1.00	0.00
10.62	86.70	2.00	0.00	1.00	0.00	10.63	86.29	2.00	0.00	1.00	0.00
10.64	85.70	2.00	0.00	1.00	0.00	10.65	85.16	2.00	0.00	1.00	0.00
10.66	84.45	2.00	0.00	1.00	0.00	10.67	83.78	2.00	0.00	1.00	0.00
10.68	83.08	2.00	0.00	1.00	0.00	10.69	82.46	2.00	0.00	1.00	0.00
10.70	81.85	2.00	0.00	1.00	0.00	10.71	81.42	2.00	0.00	1.00	0.00
10.72	81.15	2.00	0.00	1.00	0.00	10.73	81.05	2.00	0.00	1.00	0.00
10.74	80.85	2.00	0.00	1.00	0.00	10.75	80.83	2.00	0.00	1.00	0.00
10.76	80.90	2.00	0.00	1.00	0.00	10.77	81.11	2.00	0.00	1.00	0.00
10.78	81.54	2.00	0.00	1.00	0.00	10.79	82.11	2.00	0.00	1.00	0.00
10.80	82.83	2.00	0.00	1.00	0.00	10.81	83.46	2.00	0.00	1.00	0.00
10.82	84.32	2.00	0.00	1.00	0.00	10.83	85.22	2.00	0.00	1.00	0.00
10.84	86.01	2.00	0.00	1.00	0.00	10.85	86.40	2.00	0.00	1.00	0.00
10.86	86.69	2.00	0.00	1.00	0.00	10.87	87.17	2.00	0.00	1.00	0.00
10.88	87.76	2.00	0.00	1.00	0.00	10.89	85.93	2.00	0.00	1.00	0.00
10.90	83.66	2.00	0.00	1.00	0.00	10.91	81.08	2.00	0.00	1.00	0.00
10.92	82.21	2.00	0.00	1.00	0.00	10.93	83.52	2.00	0.00	1.00	0.00
10.94	85.02	2.00	0.00	1.00	0.00	10.95	85.82	2.00	0.00	1.00	0.00
10.96	86.32	2.00	0.00	1.00	0.00	10.97	86.59	2.00	0.00	1.00	0.00
10.98	86.55	2.00	0.00	1.00	0.00	10.99	86.42	2.00	0.00	1.00	0.00
11.00	85.77	2.00	0.00	1.00	0.00	11.01	84.77	2.00	0.00	1.00	0.00
11.02	83.06	2.00	0.00	1.00	0.00	11.03	81.34	2.00	0.00	1.00	0.00
11.04	79.53	2.00	0.00	1.00	0.00	11.05	78.05	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.06	76.55	2.00	0.00	1.00	0.00	11.07	74.45	2.00	0.00	1.00	0.00
11.08	72.48	2.00	0.00	1.00	0.00	11.09	70.70	2.00	0.00	1.00	0.00
11.10	69.69	2.00	0.00	1.00	0.00	11.11	68.12	2.00	0.00	1.00	0.00
11.12	66.48	2.00	0.00	1.00	0.00	11.13	64.91	2.00	0.00	1.00	0.00
11.14	64.03	2.00	0.00	1.00	0.00	11.15	63.31	2.00	0.00	1.00	0.00
11.16	62.90	2.00	0.00	1.00	0.00	11.17	62.82	2.00	0.00	1.00	0.00
11.18	63.22	2.00	0.00	1.00	0.00	11.19	64.35	2.00	0.00	1.00	0.00
11.20	65.51	2.00	0.00	1.00	0.00	11.21	66.71	2.00	0.00	1.00	0.00
11.22	67.46	2.00	0.00	1.00	0.00	11.23	68.75	2.00	0.00	1.00	0.00
11.24	70.18	2.00	0.00	1.00	0.00	11.25	71.85	2.00	0.00	1.00	0.00
11.26	73.78	2.00	0.00	1.00	0.00	11.27	77.27	2.00	0.00	1.00	0.00
11.28	80.72	2.00	0.00	1.00	0.00	11.29	83.60	2.00	0.00	1.00	0.00
11.30	84.81	2.00	0.00	1.00	0.00	11.31	85.80	2.00	0.00	1.00	0.00
11.32	86.52	2.00	0.00	1.00	0.00	11.33	87.18	2.00	0.00	1.00	0.00
11.34	87.72	2.00	0.00	1.00	0.00	11.35	88.30	2.00	0.00	1.00	0.00
11.36	88.88	2.00	0.00	1.00	0.00	11.37	89.41	2.00	0.00	1.00	0.00
11.38	89.89	2.00	0.00	1.00	0.00	11.39	90.19	2.00	0.00	1.00	0.00
11.40	89.74	2.00	0.00	1.00	0.00	11.41	88.82	2.00	0.00	1.00	0.00
11.42	87.60	2.00	0.00	1.00	0.00	11.43	86.57	2.00	0.00	1.00	0.00
11.44	85.01	2.00	0.00	1.00	0.00	11.45	83.27	2.00	0.00	1.00	0.00
11.46	81.30	2.00	0.00	1.00	0.00	11.47	78.83	2.00	0.00	1.00	0.00
11.48	76.11	2.00	0.00	1.00	0.00	11.49	73.16	2.00	0.00	1.00	0.00
11.50	70.88	2.00	0.00	1.00	0.00	11.51	67.98	2.00	0.00	1.00	0.00
11.52	65.18	2.00	0.00	1.00	0.00	11.53	62.62	2.00	0.00	1.00	0.00
11.54	61.24	2.00	0.00	1.00	0.00	11.55	60.08	2.00	0.00	1.00	0.00
11.56	58.91	2.00	0.00	1.00	0.00	11.57	57.75	2.00	0.00	1.00	0.00
11.58	56.78	2.00	0.00	1.00	0.00	11.59	55.75	2.00	0.00	1.00	0.00
11.60	55.01	2.00	0.00	1.00	0.00	11.61	54.84	2.00	0.00	1.00	0.00
11.62	55.81	2.00	0.00	1.00	0.00	11.63	58.05	2.00	0.00	1.00	0.00
11.64	60.06	2.00	0.00	1.00	0.00	11.65	61.34	2.00	0.00	1.00	0.00
11.66	60.81	2.00	0.00	1.00	0.00	11.67	59.80	2.00	0.00	1.00	0.00
11.68	58.80	2.00	0.00	1.00	0.00	11.69	58.48	2.00	0.00	1.00	0.00
11.70	58.42	2.00	0.00	1.00	0.00	11.71	58.58	2.00	0.00	1.00	0.00
11.72	58.68	2.00	0.00	1.00	0.00	11.73	58.46	2.00	0.00	1.00	0.00
11.74	57.45	2.00	0.00	1.00	0.00	11.75	56.01	2.00	0.00	1.00	0.00
11.76	54.36	2.00	0.00	1.00	0.00	11.77	53.41	2.00	0.00	1.00	0.00
11.78	53.63	2.00	0.00	1.00	0.00	11.79	54.39	2.00	0.00	1.00	0.00
11.80	55.86	2.00	0.00	1.00	0.00	11.81	58.42	2.00	0.00	1.00	0.00
11.82	61.23	2.00	0.00	1.00	0.00	11.83	63.71	2.00	0.00	1.00	0.00
11.84	64.84	2.00	0.00	1.00	0.00	11.85	65.45	2.00	0.00	1.00	0.00
11.86	66.39	2.00	0.00	1.00	0.00	11.87	67.34	2.00	0.00	1.00	0.00
11.88	68.79	2.00	0.00	1.00	0.00	11.89	70.30	2.00	0.00	1.00	0.00
11.90	71.43	2.00	0.00	1.00	0.00	11.91	72.06	2.00	0.00	1.00	0.00
11.92	72.06	2.00	0.00	1.00	0.00	11.93	71.51	2.00	0.00	1.00	0.00
11.94	70.17	2.00	0.00	1.00	0.00	11.95	68.50	2.00	0.00	1.00	0.00
11.96	67.34	2.00	0.00	1.00	0.00	11.97	67.25	2.00	0.00	1.00	0.00
11.98	68.19	2.00	0.00	1.00	0.00	11.99	68.56	2.00	0.00	1.00	0.00
12.00	66.18	2.00	0.00	1.00	0.00	12.01	63.02	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.02	59.74	2.00	0.00	1.00	0.00	12.03	58.98	2.00	0.00	1.00	0.00
12.04	58.39	2.00	0.00	1.00	0.00	12.05	58.09	2.00	0.00	1.00	0.00
12.06	57.42	2.00	0.00	1.00	0.00	12.07	56.66	2.00	0.00	1.00	0.00
12.08	55.80	2.00	0.00	1.00	0.00	12.09	55.24	2.00	0.00	1.00	0.00
12.10	54.69	2.00	0.00	1.00	0.00	12.11	54.29	2.00	0.00	1.00	0.00
12.12	54.34	2.00	0.00	1.00	0.00	12.13	54.85	2.00	0.00	1.00	0.00
12.14	55.91	2.00	0.00	1.00	0.00	12.15	57.00	2.00	0.00	1.00	0.00
12.16	58.17	2.00	0.00	1.00	0.00	12.17	59.23	2.00	0.00	1.00	0.00
12.18	60.81	2.00	0.00	1.00	0.00	12.19	62.39	2.00	0.00	1.00	0.00
12.20	64.03	2.00	0.00	1.00	0.00	12.21	66.08	2.00	0.00	1.00	0.00
12.22	68.17	2.00	0.00	1.00	0.00	12.23	70.09	2.00	0.00	1.00	0.00
12.24	71.40	2.00	0.00	1.00	0.00	12.25	73.26	2.00	0.00	1.00	0.00
12.26	75.36	2.00	0.00	1.00	0.00	12.27	77.62	2.00	0.00	1.00	0.00
12.28	79.50	2.00	0.00	1.00	0.00	12.29	81.26	2.00	0.00	1.00	0.00
12.30	82.95	2.00	0.00	1.00	0.00	12.31	84.33	2.00	0.00	1.00	0.00
12.32	85.53	2.00	0.00	1.00	0.00	12.33	86.60	2.00	0.00	1.00	0.00
12.34	87.29	2.00	0.00	1.00	0.00	12.35	87.61	2.00	0.00	1.00	0.00
12.36	87.40	2.00	0.00	1.00	0.00	12.37	86.98	2.00	0.00	1.00	0.00
12.38	86.41	2.00	0.00	1.00	0.00	12.39	85.74	2.00	0.00	1.00	0.00
12.40	84.82	2.00	0.00	1.00	0.00	12.41	83.81	2.00	0.00	1.00	0.00
12.42	82.73	2.00	0.00	1.00	0.00	12.43	81.96	2.00	0.00	1.00	0.00
12.44	80.88	2.00	0.00	1.00	0.00	12.45	79.71	2.00	0.00	1.00	0.00
12.46	78.29	2.00	0.00	1.00	0.00	12.47	77.13	2.00	0.00	1.00	0.00
12.48	75.65	2.00	0.00	1.00	0.00	12.49	74.26	2.00	0.00	1.00	0.00
12.50	72.76	2.00	0.00	1.00	0.00	12.51	71.57	2.00	0.00	1.00	0.00
12.52	69.66	2.00	0.00	1.00	0.00	12.53	67.46	2.00	0.00	1.00	0.00
12.54	64.98	2.00	0.00	1.00	0.00	12.55	62.83	2.00	0.00	1.00	0.00
12.56	59.80	2.00	0.00	1.00	0.00	12.57	56.60	2.00	0.00	1.00	0.00
12.58	53.46	2.00	0.00	1.00	0.00	12.59	50.69	2.00	0.00	1.00	0.00
12.60	47.98	2.00	0.00	1.00	0.00	12.61	45.58	2.00	0.00	1.00	0.00
12.62	44.64	2.00	0.00	1.00	0.00	12.63	44.40	2.00	0.00	1.00	0.00
12.64	44.38	2.00	0.00	1.00	0.00	12.65	44.58	2.00	0.00	1.00	0.00
12.66	44.78	2.00	0.00	1.00	0.00	12.67	45.32	2.00	0.00	1.00	0.00
12.68	45.98	2.00	0.00	1.00	0.00	12.69	46.46	2.00	0.00	1.00	0.00
12.70	46.78	2.00	0.00	1.00	0.00	12.71	47.53	2.00	0.00	1.00	0.00
12.72	49.14	2.00	0.00	1.00	0.00	12.73	52.19	2.00	0.00	1.00	0.00
12.74	55.20	2.00	0.00	1.00	0.00	12.75	57.95	2.00	0.00	1.00	0.00
12.76	60.15	2.00	0.00	1.00	0.00	12.77	62.07	2.00	0.00	1.00	0.00
12.78	63.89	2.00	0.00	1.00	0.00	12.79	65.30	2.00	0.00	1.00	0.00
12.80	67.27	2.00	0.00	1.00	0.00	12.81	69.06	2.00	0.00	1.00	0.00
12.82	70.67	2.00	0.00	1.00	0.00	12.83	71.86	2.00	0.00	1.00	0.00
12.84	73.30	2.00	0.00	1.00	0.00	12.85	74.85	2.00	0.00	1.00	0.00
12.86	75.98	2.00	0.00	1.00	0.00	12.87	76.61	2.00	0.00	1.00	0.00
12.88	76.83	2.00	0.00	1.00	0.00	12.89	77.04	2.00	0.00	1.00	0.00
12.90	77.13	2.00	0.00	1.00	0.00	12.91	77.19	2.00	0.00	1.00	0.00
12.92	76.58	2.00	0.00	1.00	0.00	12.93	76.26	2.00	0.00	1.00	0.00
12.94	76.24	2.00	0.00	1.00	0.00	12.95	77.17	2.00	0.00	1.00	0.00
12.96	78.18	2.00	0.00	1.00	0.00	12.97	79.14	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.98	79.99	2.00	0.00	1.00	0.00	12.99	80.99	2.00	0.00	1.00	0.00
13.00	82.31	2.00	0.00	1.00	0.00	13.01	83.78	2.00	0.00	1.00	0.00
13.02	85.41	2.00	0.00	1.00	0.00	13.03	86.76	2.00	0.00	1.00	0.00
13.04	87.84	2.00	0.00	1.00	0.00	13.05	88.58	2.00	0.00	1.00	0.00
13.06	89.19	2.00	0.00	1.00	0.00	13.07	89.65	2.00	0.00	1.00	0.00
13.08	89.75	2.00	0.00	1.00	0.00	13.09	90.05	2.00	0.00	1.00	0.00
13.10	90.45	2.00	0.00	1.00	0.00	13.11	90.87	2.00	0.00	1.00	0.00
13.12	91.03	2.00	0.00	1.00	0.00	13.13	91.29	2.00	0.00	1.00	0.00
13.14	91.69	2.00	0.00	1.00	0.00	13.15	91.98	2.00	0.00	1.00	0.00
13.16	92.27	2.00	0.00	1.00	0.00	13.17	92.61	2.00	0.00	1.00	0.00
13.18	93.12	2.00	0.00	1.00	0.00	13.19	93.41	2.00	0.00	1.00	0.00
13.20	93.65	2.00	0.00	1.00	0.00	13.21	93.70	2.00	0.00	1.00	0.00
13.22	93.95	2.00	0.00	1.00	0.00	13.23	94.14	2.00	0.00	1.00	0.00
13.24	94.61	2.00	0.00	1.00	0.00	13.25	95.13	2.00	0.00	1.00	0.00
13.26	95.50	2.00	0.00	1.00	0.00	13.27	95.62	2.00	0.00	1.00	0.00
13.28	95.56	2.00	0.00	1.00	0.00	13.29	95.80	2.00	0.00	1.00	0.00
13.30	96.05	2.00	0.00	1.00	0.00	13.31	96.36	2.00	0.00	1.00	0.00
13.32	96.75	2.00	0.00	1.00	0.00	13.33	97.83	2.00	0.00	1.00	0.00
13.34	99.03	2.00	0.00	1.00	0.00	13.35	100.17	2.00	0.00	1.00	0.00
13.36	100.82	2.00	0.00	1.00	0.00	13.37	101.50	2.00	0.00	1.00	0.00
13.38	101.76	2.00	0.00	1.00	0.00	13.39	101.60	2.00	0.00	1.00	0.00
13.40	101.15	2.00	0.00	1.00	0.00	13.41	101.00	2.00	0.00	1.00	0.00
13.42	101.11	2.00	0.00	1.00	0.00	13.43	101.23	2.00	0.00	1.00	0.00
13.44	100.98	2.00	0.00	1.00	0.00	13.45	100.58	2.00	0.00	1.00	0.00
13.46	100.35	2.00	0.00	1.00	0.00	13.47	100.26	2.00	0.00	1.00	0.00
13.48	100.08	2.00	0.00	1.00	0.00	13.49	99.56	2.00	0.00	1.00	0.00
13.50	98.76	2.00	0.00	1.00	0.00	13.51	98.15	2.00	0.00	1.00	0.00
13.52	97.77	2.00	0.00	1.00	0.00	13.53	98.00	2.00	0.00	1.00	0.00
13.54	98.40	2.00	0.00	1.00	0.00	13.55	98.79	2.00	0.00	1.00	0.00
13.56	98.86	2.00	0.00	1.00	0.00	13.57	98.49	2.00	0.00	1.00	0.00
13.58	98.03	2.00	0.00	1.00	0.00	13.59	97.53	2.00	0.00	1.00	0.00
13.60	97.01	2.00	0.00	1.00	0.00	13.61	95.88	2.00	0.00	1.00	0.00
13.62	94.86	2.00	0.00	1.00	0.00	13.63	94.10	2.00	0.00	1.00	0.00
13.64	94.00	2.00	0.00	1.00	0.00	13.65	93.80	2.00	0.00	1.00	0.00
13.66	93.51	2.00	0.00	1.00	0.00	13.67	92.98	2.00	0.00	1.00	0.00
13.68	92.40	2.00	0.00	1.00	0.00	13.69	91.95	2.00	0.00	1.00	0.00
13.70	91.83	2.00	0.00	1.00	0.00	13.71	91.78	2.00	0.00	1.00	0.00
13.72	91.63	2.00	0.00	1.00	0.00	13.73	91.54	2.00	0.00	1.00	0.00
13.74	91.56	2.00	0.00	1.00	0.00	13.75	91.48	2.00	0.00	1.00	0.00
13.76	90.44	2.00	0.00	1.00	0.00	13.77	89.00	2.00	0.00	1.00	0.00
13.78	87.37	2.00	0.00	1.00	0.00	13.79	85.94	2.00	0.00	1.00	0.00
13.80	84.68	2.00	0.00	1.00	0.00	13.81	83.63	2.00	0.00	1.00	0.00
13.82	82.98	2.00	0.00	1.00	0.00	13.83	82.26	2.00	0.00	1.00	0.00
13.84	81.47	2.00	0.00	1.00	0.00	13.85	81.02	2.00	0.00	1.00	0.00
13.86	80.85	2.00	0.00	1.00	0.00	13.87	80.83	2.00	0.00	1.00	0.00
13.88	80.85	2.00	0.00	1.00	0.00	13.89	80.97	2.00	0.00	1.00	0.00
13.90	81.17	2.00	0.00	1.00	0.00	13.91	81.28	2.00	0.00	1.00	0.00
13.92	79.90	2.00	0.00	1.00	0.00	13.93	79.15	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.94	78.90	2.00	0.00	1.00	0.00	13.95	81.11	2.00	0.00	1.00	0.00
13.96	82.99	2.00	0.00	1.00	0.00	13.97	84.65	2.00	0.00	1.00	0.00
13.98	85.62	2.00	0.00	1.00	0.00	13.99	86.41	2.00	0.00	1.00	0.00
14.00	87.36	2.00	0.00	1.00	0.00	14.01	88.59	2.00	0.00	1.00	0.00
14.02	89.96	2.00	0.00	1.00	0.00	14.03	91.19	2.00	0.00	1.00	0.00
14.04	91.92	2.00	0.00	1.00	0.00	14.05	92.72	2.00	0.00	1.00	0.00
14.06	93.26	2.00	0.00	1.00	0.00	14.07	93.81	2.00	0.00	1.00	0.00
14.08	94.68	2.00	0.00	1.00	0.00	14.09	95.66	2.00	0.00	1.00	0.00
14.10	96.43	2.00	0.00	1.00	0.00	14.11	96.32	2.00	0.00	1.00	0.00
14.12	96.19	2.00	0.00	1.00	0.00	14.13	96.14	2.00	0.00	1.00	0.00
14.14	96.02	2.00	0.00	1.00	0.00	14.15	95.49	2.00	0.00	1.00	0.00
14.16	94.73	2.00	0.00	1.00	0.00	14.17	93.74	2.00	0.00	1.00	0.00
14.18	92.72	2.00	0.00	1.00	0.00	14.19	91.63	2.00	0.00	1.00	0.00
14.20	90.82	2.00	0.00	1.00	0.00	14.21	89.89	2.00	0.00	1.00	0.00
14.22	89.06	2.00	0.00	1.00	0.00	14.23	88.32	2.00	0.00	1.00	0.00
14.24	87.74	2.00	0.00	1.00	0.00	14.25	87.21	2.00	0.00	1.00	0.00
14.26	86.63	2.00	0.00	1.00	0.00	14.27	85.94	2.00	0.00	1.00	0.00
14.28	85.08	2.00	0.00	1.00	0.00	14.29	84.38	2.00	0.00	1.00	0.00
14.30	84.16	2.00	0.00	1.00	0.00	14.31	84.20	2.00	0.00	1.00	0.00
14.32	84.22	2.00	0.00	1.00	0.00	14.33	84.27	2.00	0.00	1.00	0.00
14.34	84.44	2.00	0.00	1.00	0.00	14.35	84.60	2.00	0.00	1.00	0.00
14.36	84.81	2.00	0.00	1.00	0.00	14.37	85.20	2.00	0.00	1.00	0.00
14.38	85.79	2.00	0.00	1.00	0.00	14.39	86.72	2.00	0.00	1.00	0.00
14.40	87.65	2.00	0.00	1.00	0.00	14.41	88.58	2.00	0.00	1.00	0.00
14.42	89.32	2.00	0.00	1.00	0.00	14.43	90.10	2.00	0.00	1.00	0.00
14.44	90.79	2.00	0.00	1.00	0.00	14.45	91.39	2.00	0.00	1.00	0.00
14.46	91.70	2.00	0.00	1.00	0.00	14.47	91.86	2.00	0.00	1.00	0.00
14.48	91.74	2.00	0.00	1.00	0.00	14.49	91.36	2.00	0.00	1.00	0.00
14.50	90.99	2.00	0.00	1.00	0.00	14.51	90.80	2.00	0.00	1.00	0.00
14.52	91.10	2.00	0.00	1.00	0.00	14.53	91.42	2.00	0.00	1.00	0.00
14.54	91.57	2.00	0.00	1.00	0.00	14.55	91.32	2.00	0.00	1.00	0.00
14.56	90.96	2.00	0.00	1.00	0.00	14.57	90.73	2.00	0.00	1.00	0.00
14.58	90.67	2.00	0.00	1.00	0.00	14.59	90.76	2.00	0.00	1.00	0.00
14.60	90.94	2.00	0.00	1.00	0.00	14.61	91.48	2.00	0.00	1.00	0.00
14.62	92.04	2.00	0.00	1.00	0.00	14.63	92.53	2.00	0.00	1.00	0.00
14.64	92.69	2.00	0.00	1.00	0.00	14.65	92.71	2.00	0.00	1.00	0.00
14.66	92.64	2.00	0.00	1.00	0.00	14.67	92.51	2.00	0.00	1.00	0.00
14.68	92.34	2.00	0.00	1.00	0.00	14.69	92.07	2.00	0.00	1.00	0.00
14.70	91.64	2.00	0.00	1.00	0.00	14.71	91.00	2.00	0.00	1.00	0.00
14.72	90.01	2.00	0.00	1.00	0.00	14.73	89.00	2.00	0.00	1.00	0.00
14.74	88.00	2.00	0.00	1.00	0.00	14.75	86.96	2.00	0.00	1.00	0.00
14.76	85.85	2.00	0.00	1.00	0.00	14.77	84.41	2.00	0.00	1.00	0.00
14.78	83.25	2.00	0.00	1.00	0.00	14.79	82.15	2.00	0.00	1.00	0.00
14.80	81.50	2.00	0.00	1.00	0.00	14.81	81.03	2.00	0.00	1.00	0.00
14.82	80.87	2.00	0.00	1.00	0.00	14.83	80.82	2.00	0.00	1.00	0.00
14.84	81.00	2.00	0.00	1.00	0.00	14.85	81.42	2.00	0.00	1.00	0.00
14.86	82.01	2.00	0.00	1.00	0.00	14.87	82.31	2.00	0.00	1.00	0.00
14.88	82.31	2.00	0.00	1.00	0.00	14.89	82.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.90	82.27	2.00	0.00	1.00	0.00	14.91	82.29	2.00	0.00	1.00	0.00
14.92	80.42	2.00	0.00	1.00	0.00	14.93	78.43	2.00	0.00	1.00	0.00
14.94	76.23	2.00	0.00	1.00	0.00	14.95	75.80	2.00	0.00	1.00	0.00
14.96	75.40	2.00	0.00	1.00	0.00	14.97	75.06	2.00	0.00	1.00	0.00
14.98	74.92	2.00	0.00	1.00	0.00	14.99	74.76	2.00	0.00	1.00	0.00
15.00	74.52	2.00	0.00	1.00	0.00	15.01	74.04	2.00	0.00	1.00	0.00
15.02	73.33	2.00	0.00	1.00	0.00	15.03	73.05	2.00	0.00	1.00	0.00
15.04	73.57	2.00	0.00	1.00	0.00	15.05	74.60	2.00	0.00	1.00	0.00
15.06	75.38	2.00	0.00	1.00	0.00	15.07	75.60	2.00	0.00	1.00	0.00
15.08	75.69	2.00	0.00	1.00	0.00	15.09	75.57	2.00	0.00	1.00	0.00
15.10	75.47	2.00	0.00	1.00	0.00	15.11	75.36	2.00	0.00	1.00	0.00
15.12	76.23	2.00	0.00	1.00	0.00	15.13	77.37	2.00	0.00	1.00	0.00
15.14	78.99	2.00	0.00	1.00	0.00	15.15	81.19	2.00	0.00	1.00	0.00
15.16	83.50	2.00	0.00	1.00	0.00	15.17	85.15	2.00	0.00	1.00	0.00
15.18	85.23	2.00	0.00	1.00	0.00	15.19	85.33	2.00	0.00	1.00	0.00
15.20	86.00	2.00	0.00	1.00	0.00	15.21	88.12	2.00	0.00	1.00	0.00
15.22	90.43	2.00	0.00	1.00	0.00	15.23	92.93	2.00	0.00	1.00	0.00
15.24	95.38	2.00	0.00	1.00	0.00	15.25	97.63	2.00	0.00	1.00	0.00
15.26	99.51	2.00	0.00	1.00	0.00	15.27	100.62	2.00	0.00	1.00	0.00
15.28	101.27	2.00	0.00	1.00	0.00	15.29	101.36	2.00	0.00	1.00	0.00
15.30	101.22	2.00	0.00	1.00	0.00	15.31	101.24	2.00	0.00	1.00	0.00
15.32	101.60	2.00	0.00	1.00	0.00	15.33	101.96	2.00	0.00	1.00	0.00
15.34	101.97	2.00	0.00	1.00	0.00	15.35	101.62	2.00	0.00	1.00	0.00
15.36	101.18	2.00	0.00	1.00	0.00	15.37	100.83	2.00	0.00	1.00	0.00
15.38	100.42	2.00	0.00	1.00	0.00	15.39	99.90	2.00	0.00	1.00	0.00
15.40	99.49	2.00	0.00	1.00	0.00	15.41	99.34	2.00	0.00	1.00	0.00
15.42	99.54	2.00	0.00	1.00	0.00	15.43	99.71	2.00	0.00	1.00	0.00
15.44	99.82	2.00	0.00	1.00	0.00	15.45	99.47	2.00	0.00	1.00	0.00
15.46	99.04	2.00	0.00	1.00	0.00	15.47	98.26	2.00	0.00	1.00	0.00
15.48	97.60	2.00	0.00	1.00	0.00	15.49	97.21	2.00	0.00	1.00	0.00
15.50	96.97	2.00	0.00	1.00	0.00	15.51	96.77	2.00	0.00	1.00	0.00
15.52	96.15	2.00	0.00	1.00	0.00	15.53	95.76	2.00	0.00	1.00	0.00
15.54	95.36	2.00	0.00	1.00	0.00	15.55	95.06	2.00	0.00	1.00	0.00
15.56	94.26	2.00	0.00	1.00	0.00	15.57	93.31	2.00	0.00	1.00	0.00
15.58	92.84	2.00	0.00	1.00	0.00	15.59	92.93	2.00	0.00	1.00	0.00
15.60	92.90	2.00	0.00	1.00	0.00	15.61	92.37	2.00	0.00	1.00	0.00
15.62	91.82	2.00	0.00	1.00	0.00	15.63	91.64	2.00	0.00	1.00	0.00
15.64	91.81	2.00	0.00	1.00	0.00	15.65	91.91	2.00	0.00	1.00	0.00
15.66	91.95	2.00	0.00	1.00	0.00	15.67	91.52	2.00	0.00	1.00	0.00
15.68	91.14	2.00	0.00	1.00	0.00	15.69	90.84	2.00	0.00	1.00	0.00
15.70	90.98	2.00	0.00	1.00	0.00	15.71	91.36	2.00	0.00	1.00	0.00
15.72	92.34	2.00	0.00	1.00	0.00	15.73	93.71	2.00	0.00	1.00	0.00
15.74	95.64	2.00	0.00	1.00	0.00	15.75	96.90	2.00	0.00	1.00	0.00
15.76	97.64	2.00	0.00	1.00	0.00	15.77	97.73	2.00	0.00	1.00	0.00
15.78	97.90	2.00	0.00	1.00	0.00	15.79	98.29	2.00	0.00	1.00	0.00
15.80	98.57	2.00	0.00	1.00	0.00						

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
--------------	-------------	----	-----------	----	--------------------	--------------	-------------	----	-----------	----	--------------------

Total estimated settlement: 8.91**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

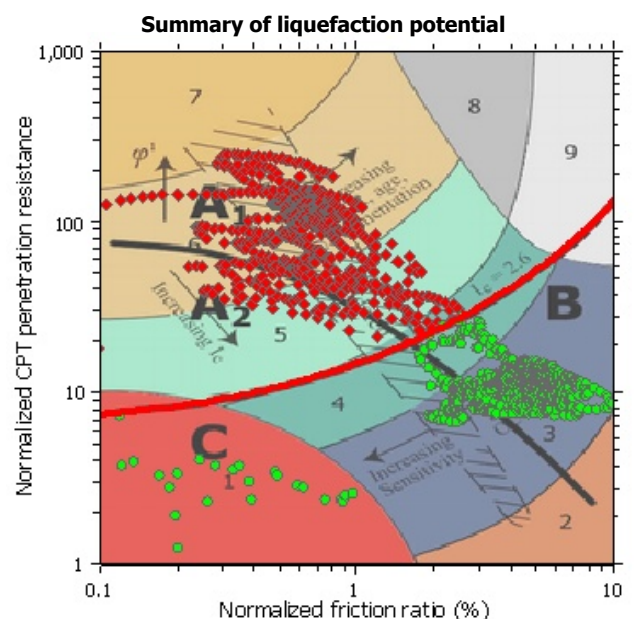
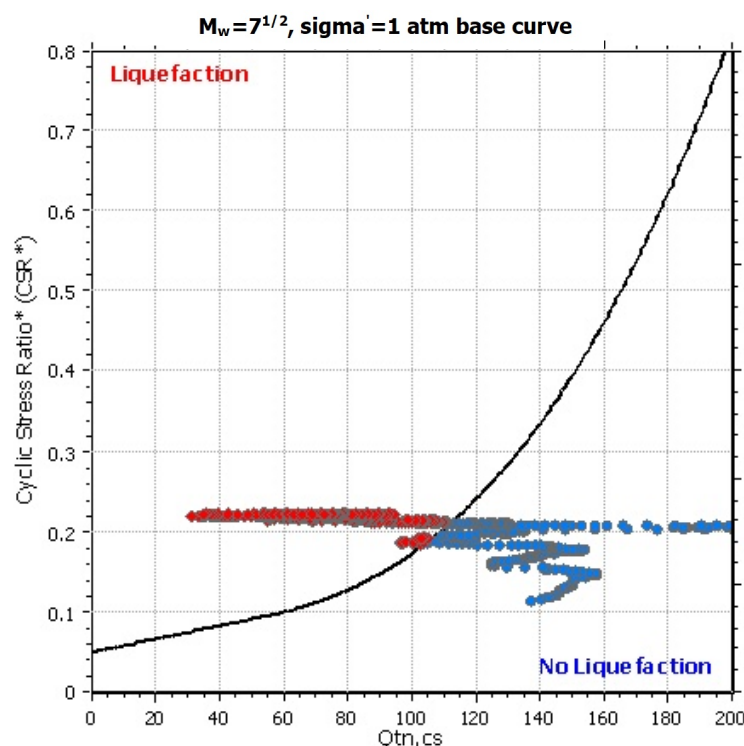
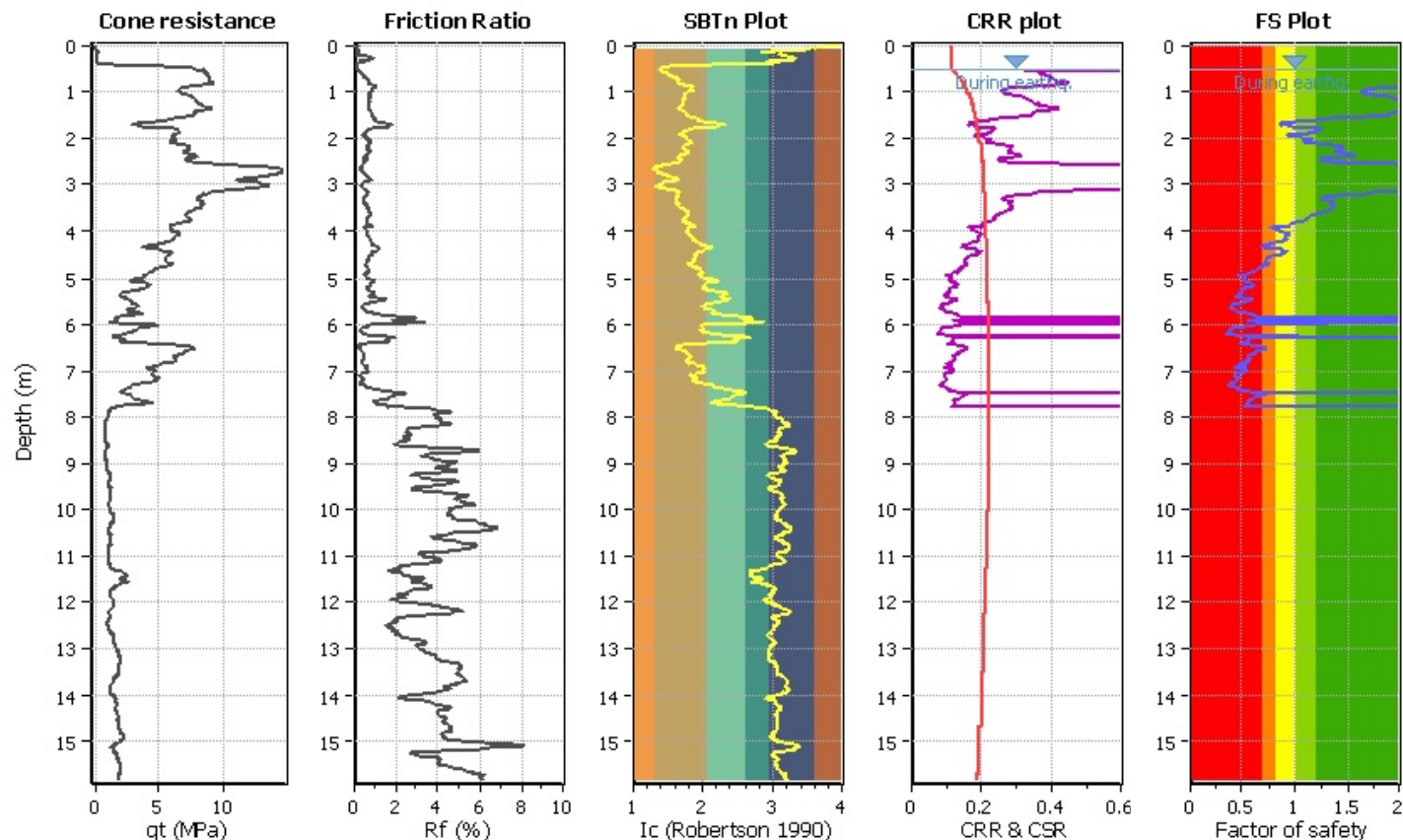
Project title : Verifica del potenziale di liquefazione

Location : Cesenatico - Ex Colonia Prealpi

CPT file : CPTU 2

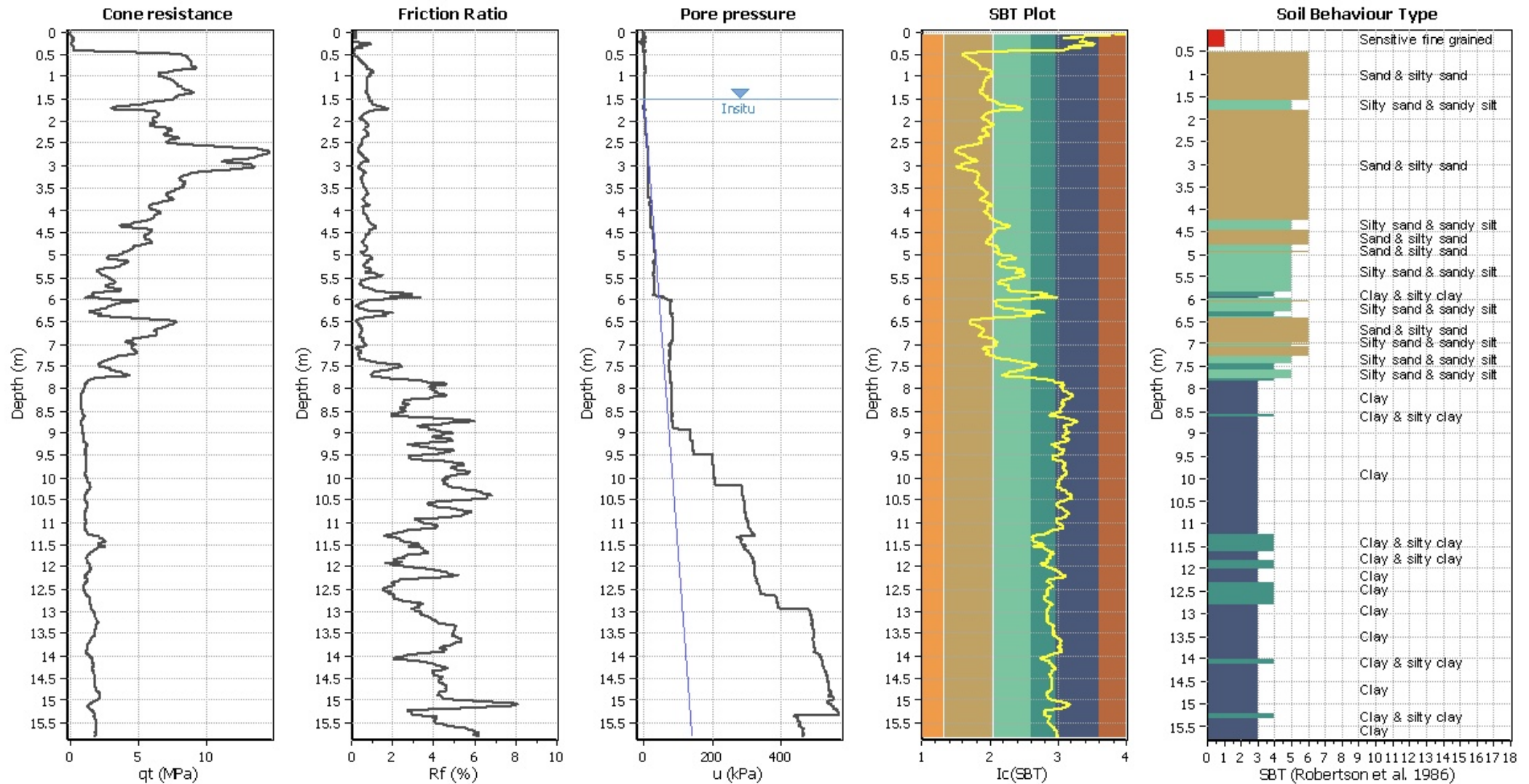
Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	1.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	0.50 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:	0.23	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: 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



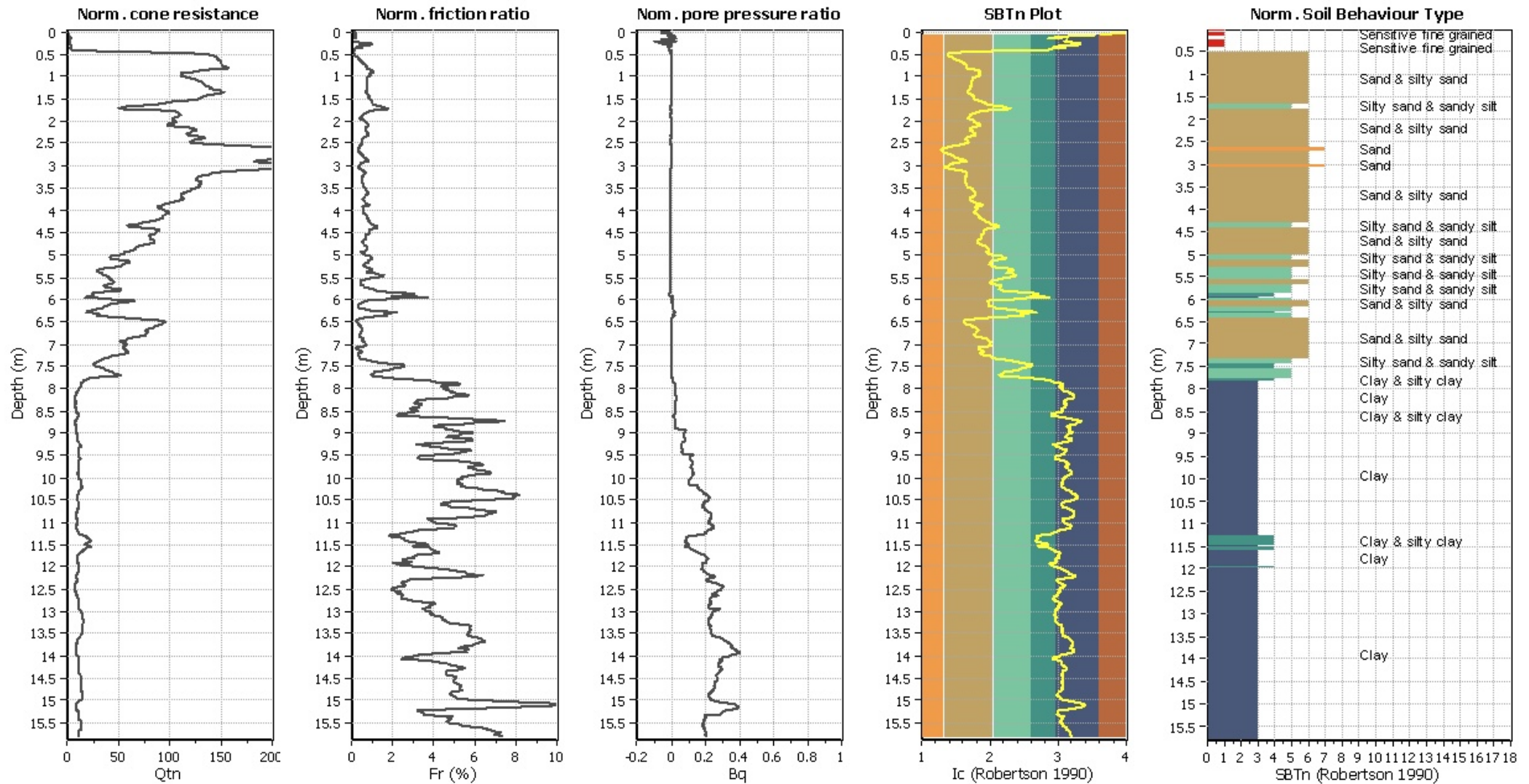
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 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

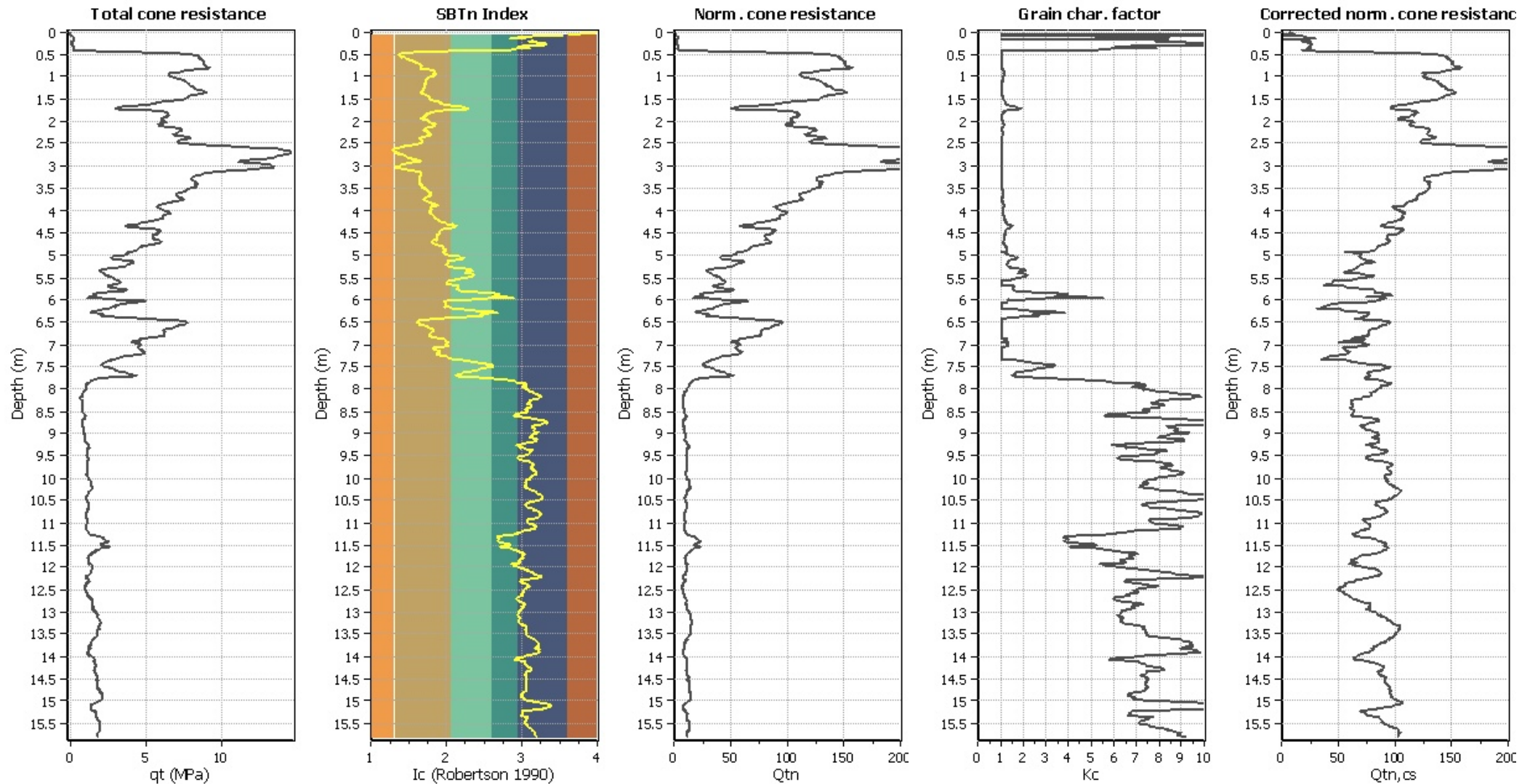
CPT basic interpretation plots (normaliz



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

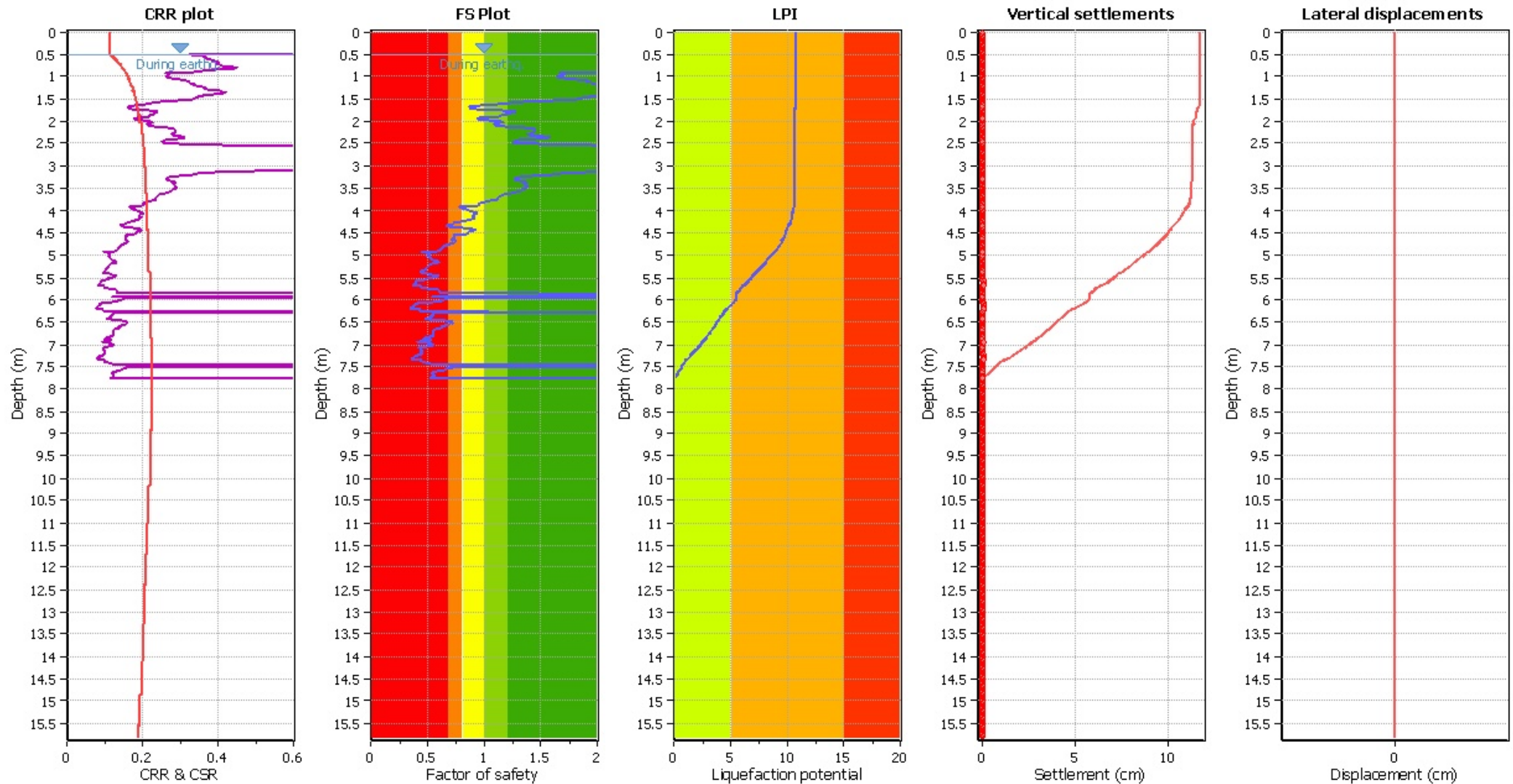
Liquefaction analysis overall plots (intermediate res)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I_c value	I_c 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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plot



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (earthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

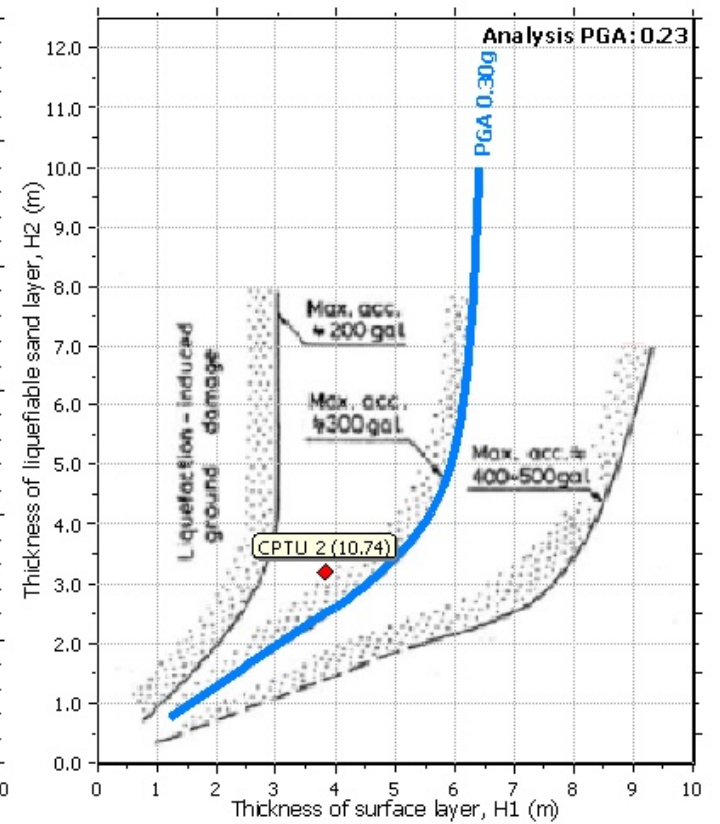
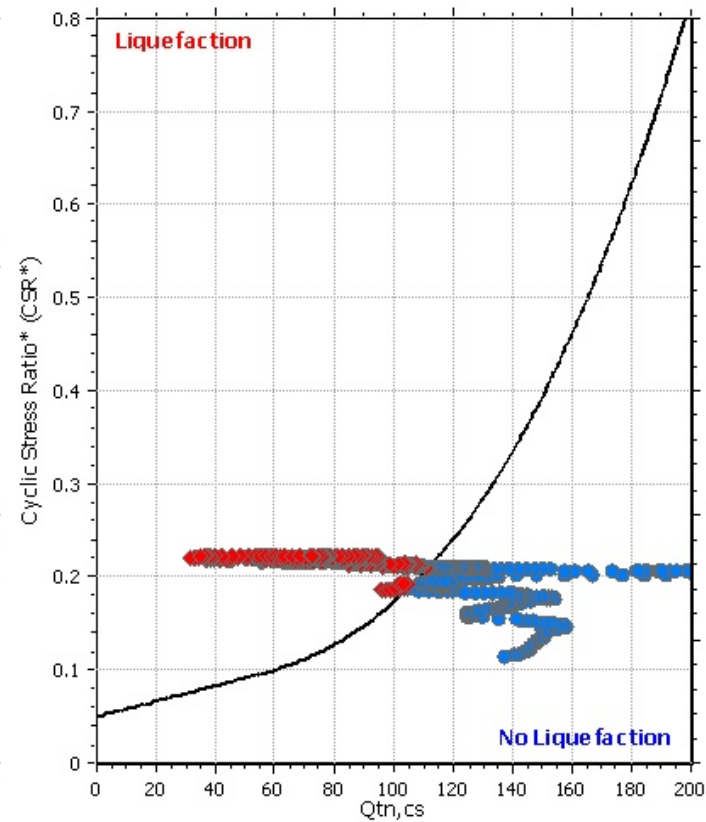
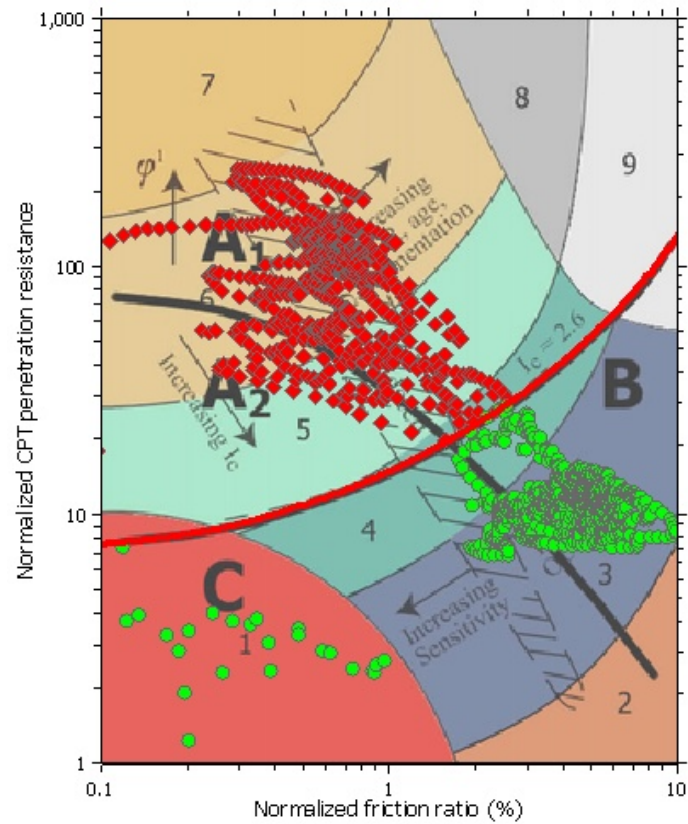
F.S. color scheme

■	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

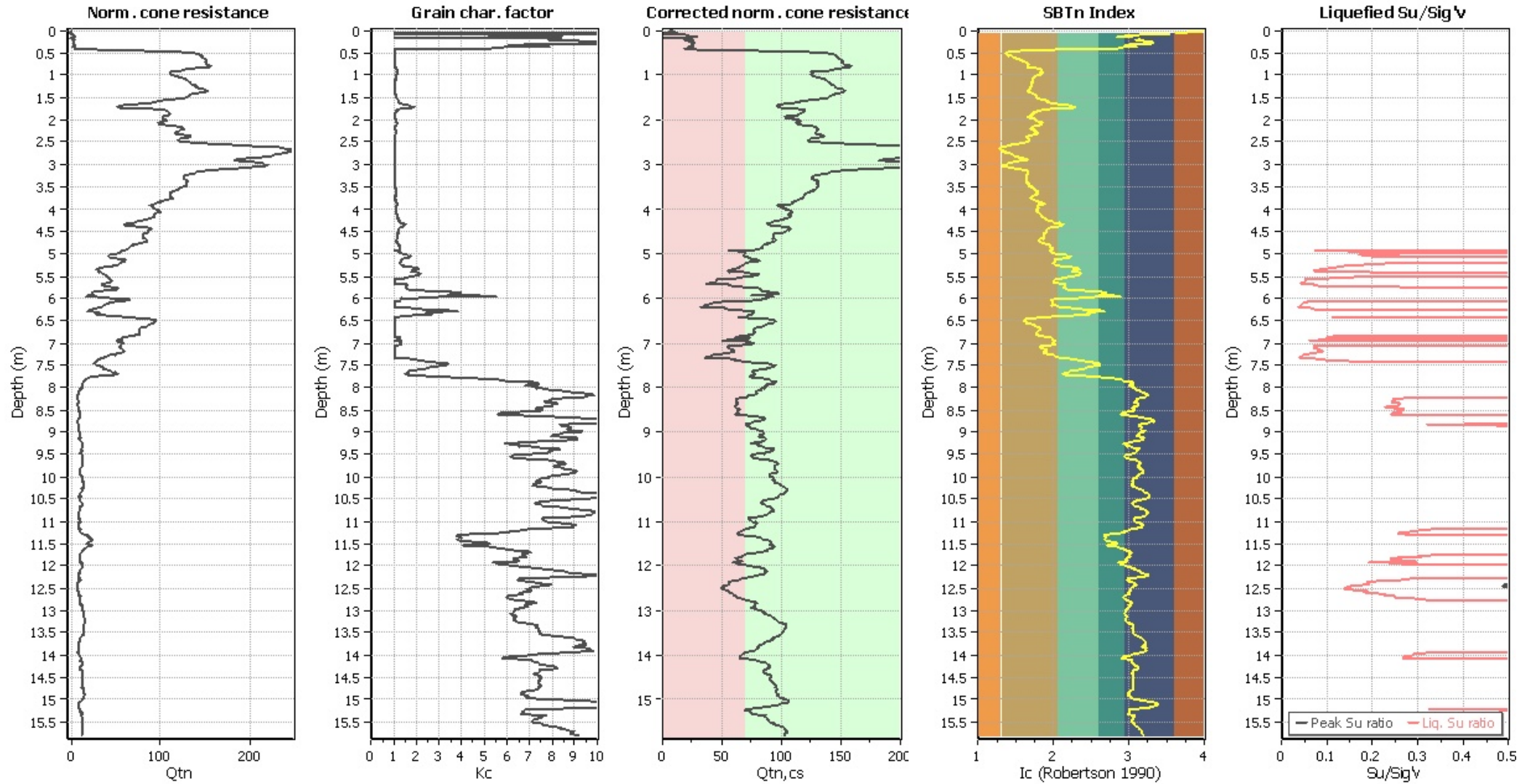
Liquefaction analysis summary plo



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	9.98	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.97	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.96	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	9.90	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.89	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.88	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	9.81	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.80	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.79	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	9.73	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.72	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.71	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	9.65	0.01	0.00	0.70	2.00	0.00	9.65	0.01	0.00
0.71	2.00	0.00	9.64	0.01	0.00	0.72	2.00	0.00	9.64	0.01	0.00
0.73	2.00	0.00	9.63	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	9.56	0.01	0.00	0.88	2.00	0.00	9.56	0.01	0.00
0.89	2.00	0.00	9.55	0.01	0.00	0.90	2.00	0.00	9.55	0.01	0.00
0.91	2.00	0.00	9.54	0.01	0.00	0.92	1.83	0.00	9.54	0.01	0.00
0.93	1.67	0.00	9.54	0.01	0.00	0.94	1.70	0.00	9.53	0.01	0.00
0.95	1.70	0.00	9.53	0.01	0.00	0.96	1.70	0.00	9.52	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
0.97	1.68	0.00	9.52	0.01	0.00	0.98	1.66	0.00	9.51	0.01	0.00
0.99	1.64	0.00	9.51	0.01	0.00	1.00	1.64	0.00	9.50	0.01	0.00
1.01	1.66	0.00	9.49	0.01	0.00	1.02	1.68	0.00	9.49	0.01	0.00
1.03	1.70	0.00	9.48	0.01	0.00	1.04	1.71	0.00	9.48	0.01	0.00
1.05	1.75	0.00	9.47	0.01	0.00	1.06	1.80	0.00	9.47	0.01	0.00
1.07	1.85	0.00	9.46	0.01	0.00	1.08	1.87	0.00	9.46	0.01	0.00
1.09	1.89	0.00	9.46	0.01	0.00	1.10	1.90	0.00	9.45	0.01	0.00
1.11	1.91	0.00	9.45	0.01	0.00	1.12	1.92	0.00	9.44	0.01	0.00
1.13	1.94	0.00	9.44	0.01	0.00	1.14	1.95	0.00	9.43	0.01	0.00
1.15	1.97	0.00	9.43	0.01	0.00	1.16	1.98	0.00	9.42	0.01	0.00
1.17	1.98	0.00	9.41	0.01	0.00	1.18	1.99	0.00	9.41	0.01	0.00
1.19	2.00	0.00	9.40	0.01	0.00	1.20	2.00	0.00	9.40	0.01	0.00
1.21	2.00	0.00	9.39	0.01	0.00	1.22	2.00	0.00	9.39	0.01	0.00
1.23	2.00	0.00	9.38	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	9.31	0.01	0.00	1.38	2.00	0.00	9.31	0.01	0.00
1.39	2.00	0.00	9.30	0.01	0.00	1.40	2.00	0.00	9.30	0.01	0.00
1.41	2.00	0.00	9.29	0.01	0.00	1.42	2.00	0.00	9.29	0.01	0.00
1.43	1.99	0.00	9.29	0.01	0.00	1.44	1.96	0.00	9.28	0.01	0.00
1.45	1.94	0.00	9.28	0.01	0.00	1.46	1.92	0.00	9.27	0.01	0.00
1.47	1.91	0.00	9.27	0.01	0.00	1.48	1.90	0.00	9.26	0.01	0.00
1.49	1.87	0.00	9.26	0.01	0.00	1.50	1.82	0.00	9.25	0.01	0.00
1.51	1.74	0.00	9.24	0.01	0.00	1.52	1.67	0.00	9.24	0.01	0.00
1.53	1.59	0.00	9.23	0.01	0.00	1.54	1.49	0.00	9.23	0.01	0.00
1.55	1.40	0.00	9.22	0.01	0.00	1.56	1.32	0.00	9.22	0.01	0.00
1.57	1.27	0.00	9.21	0.01	0.00	1.58	1.23	0.00	9.21	0.01	0.00
1.59	1.22	0.00	9.21	0.01	0.00	1.60	1.21	0.00	9.20	0.01	0.00
1.61	1.19	0.00	9.20	0.01	0.00	1.62	1.14	0.00	9.19	0.01	0.00
1.63	1.08	0.00	9.19	0.01	0.00	1.64	1.01	0.00	9.18	0.01	0.00
1.65	0.97	0.03	9.18	0.01	0.00	1.66	0.93	0.07	9.17	0.01	0.01
1.67	0.89	0.11	9.16	0.01	0.01	1.68	0.87	0.13	9.16	0.01	0.01
1.69	0.87	0.13	9.15	0.01	0.01	1.70	0.88	0.12	9.15	0.01	0.01
1.71	0.90	0.10	9.14	0.01	0.01	1.72	0.93	0.07	9.14	0.01	0.01
1.73	0.98	0.02	9.13	0.01	0.00	1.74	1.04	0.00	9.13	0.01	0.00
1.75	1.11	0.00	9.13	0.01	0.00	1.76	1.19	0.00	9.12	0.01	0.00
1.77	1.23	0.00	9.12	0.01	0.00	1.78	1.26	0.00	9.11	0.01	0.00
1.79	1.27	0.00	9.11	0.01	0.00	1.80	1.26	0.00	9.10	0.01	0.00
1.81	1.24	0.00	9.10	0.01	0.00	1.82	1.22	0.00	9.09	0.01	0.00
1.83	1.21	0.00	9.09	0.01	0.00	1.84	1.19	0.00	9.08	0.01	0.00
1.85	1.19	0.00	9.07	0.01	0.00	1.86	1.18	0.00	9.07	0.01	0.00
1.87	1.17	0.00	9.06	0.01	0.00	1.88	1.15	0.00	9.06	0.01	0.00
1.89	1.13	0.00	9.05	0.01	0.00	1.90	1.11	0.00	9.05	0.01	0.00
1.91	0.98	0.02	9.04	0.01	0.00	1.92	0.95	0.05	9.04	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
1.93	0.93	0.07	9.04	0.01	0.01	1.94	0.95	0.05	9.03	0.01	0.00
1.95	0.95	0.05	9.03	0.01	0.00	1.96	0.95	0.05	9.02	0.01	0.00
1.97	1.04	0.00	9.02	0.01	0.00	1.98	1.06	0.00	9.01	0.01	0.00
1.99	1.07	0.00	9.01	0.01	0.00	2.00	1.11	0.00	9.00	0.01	0.00
2.01	1.14	0.00	8.99	0.01	0.00	2.02	1.16	0.00	8.99	0.01	0.00
2.03	1.16	0.00	8.98	0.01	0.00	2.04	1.15	0.00	8.98	0.01	0.00
2.05	1.12	0.00	8.97	0.01	0.00	2.06	1.10	0.00	8.97	0.01	0.00
2.07	1.09	0.00	8.96	0.01	0.00	2.08	1.10	0.00	8.96	0.01	0.00
2.09	1.12	0.00	8.96	0.01	0.00	2.10	1.15	0.00	8.95	0.01	0.00
2.11	1.20	0.00	8.95	0.01	0.00	2.12	1.25	0.00	8.94	0.01	0.00
2.13	1.30	0.00	8.94	0.01	0.00	2.14	1.33	0.00	8.93	0.01	0.00
2.15	1.37	0.00	8.93	0.01	0.00	2.16	1.40	0.00	8.92	0.01	0.00
2.17	1.43	0.00	8.91	0.01	0.00	2.18	1.45	0.00	8.91	0.01	0.00
2.19	1.45	0.00	8.90	0.01	0.00	2.20	1.45	0.00	8.90	0.01	0.00
2.21	1.45	0.00	8.89	0.01	0.00	2.22	1.44	0.00	8.89	0.01	0.00
2.23	1.44	0.00	8.88	0.01	0.00	2.24	1.44	0.00	8.88	0.01	0.00
2.25	1.43	0.00	8.88	0.01	0.00	2.26	1.42	0.00	8.87	0.01	0.00
2.27	1.41	0.00	8.87	0.01	0.00	2.28	1.40	0.00	8.86	0.01	0.00
2.29	1.39	0.00	8.86	0.01	0.00	2.30	1.39	0.00	8.85	0.01	0.00
2.31	1.40	0.00	8.85	0.01	0.00	2.32	1.45	0.00	8.84	0.01	0.00
2.33	1.50	0.00	8.84	0.01	0.00	2.34	1.55	0.00	8.83	0.01	0.00
2.35	1.57	0.00	8.82	0.01	0.00	2.36	1.57	0.00	8.82	0.01	0.00
2.37	1.57	0.00	8.81	0.01	0.00	2.38	1.55	0.00	8.81	0.01	0.00
2.39	1.51	0.00	8.80	0.01	0.00	2.40	1.47	0.00	8.80	0.01	0.00
2.41	1.41	0.00	8.79	0.01	0.00	2.42	1.35	0.00	8.79	0.01	0.00
2.43	1.30	0.00	8.79	0.01	0.00	2.44	1.27	0.00	8.78	0.01	0.00
2.45	1.25	0.00	8.78	0.01	0.00	2.46	1.25	0.00	8.77	0.01	0.00
2.47	1.26	0.00	8.77	0.01	0.00	2.48	1.28	0.00	8.76	0.01	0.00
2.49	1.32	0.00	8.76	0.01	0.00	2.50	1.39	0.00	8.75	0.01	0.00
2.51	1.53	0.00	8.74	0.01	0.00	2.52	1.70	0.00	8.74	0.01	0.00
2.53	1.90	0.00	8.73	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.72	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.71	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	8.65	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.64	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.63	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	8.56	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
2.89	2.00	0.00	8.55	0.01	0.00	2.90	2.00	0.00	8.55	0.01	0.00
2.91	2.00	0.00	8.54	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	8.48	0.01	0.00	3.04	2.00	0.00	8.48	0.01	0.00
3.05	2.00	0.00	8.47	0.01	0.00	3.06	2.00	0.00	8.47	0.01	0.00
3.07	2.00	0.00	8.46	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	1.91	0.00	8.43	0.01	0.00	3.16	1.85	0.00	8.42	0.01	0.00
3.17	1.76	0.00	8.41	0.01	0.00	3.18	1.68	0.00	8.41	0.01	0.00
3.19	1.59	0.00	8.40	0.01	0.00	3.20	1.53	0.00	8.40	0.01	0.00
3.21	1.47	0.00	8.39	0.01	0.00	3.22	1.41	0.00	8.39	0.01	0.00
3.23	1.35	0.00	8.38	0.01	0.00	3.24	1.32	0.00	8.38	0.01	0.00
3.25	1.31	0.00	8.38	0.01	0.00	3.26	1.30	0.00	8.37	0.01	0.00
3.27	1.29	0.00	8.37	0.01	0.00	3.28	1.28	0.00	8.36	0.01	0.00
3.29	1.27	0.00	8.36	0.01	0.00	3.30	1.26	0.00	8.35	0.01	0.00
3.31	1.27	0.00	8.35	0.01	0.00	3.32	1.28	0.00	8.34	0.01	0.00
3.33	1.30	0.00	8.34	0.01	0.00	3.34	1.31	0.00	8.33	0.01	0.00
3.35	1.33	0.00	8.32	0.01	0.00	3.36	1.36	0.00	8.32	0.01	0.00
3.37	1.37	0.00	8.31	0.01	0.00	3.38	1.37	0.00	8.31	0.01	0.00
3.39	1.37	0.00	8.30	0.01	0.00	3.40	1.34	0.00	8.30	0.01	0.00
3.41	1.35	0.00	8.29	0.01	0.00	3.42	1.36	0.00	8.29	0.01	0.00
3.43	1.37	0.00	8.29	0.01	0.00	3.44	1.37	0.00	8.28	0.01	0.00
3.45	1.38	0.00	8.28	0.01	0.00	3.46	1.38	0.00	8.27	0.01	0.00
3.47	1.38	0.00	8.27	0.01	0.00	3.48	1.37	0.00	8.26	0.01	0.00
3.49	1.37	0.00	8.26	0.01	0.00	3.50	1.36	0.00	8.25	0.01	0.00
3.51	1.35	0.00	8.24	0.01	0.00	3.52	1.35	0.00	8.24	0.01	0.00
3.53	1.34	0.00	8.23	0.01	0.00	3.54	1.34	0.00	8.23	0.01	0.00
3.55	1.32	0.00	8.22	0.01	0.00	3.56	1.31	0.00	8.22	0.01	0.00
3.57	1.30	0.00	8.21	0.01	0.00	3.58	1.28	0.00	8.21	0.01	0.00
3.59	1.26	0.00	8.21	0.01	0.00	3.60	1.25	0.00	8.20	0.01	0.00
3.61	1.23	0.00	8.20	0.01	0.00	3.62	1.22	0.00	8.19	0.01	0.00
3.63	1.20	0.00	8.19	0.01	0.00	3.64	1.18	0.00	8.18	0.01	0.00
3.65	1.16	0.00	8.18	0.01	0.00	3.66	1.15	0.00	8.17	0.01	0.00
3.67	1.15	0.00	8.16	0.01	0.00	3.68	1.14	0.00	8.16	0.01	0.00
3.69	1.14	0.00	8.15	0.01	0.00	3.70	1.13	0.00	8.15	0.01	0.00
3.71	1.12	0.00	8.14	0.01	0.00	3.72	1.12	0.00	8.14	0.01	0.00
3.73	1.12	0.00	8.13	0.01	0.00	3.74	1.12	0.00	8.13	0.01	0.00
3.75	1.11	0.00	8.13	0.01	0.00	3.76	1.10	0.00	8.12	0.01	0.00
3.77	1.08	0.00	8.12	0.01	0.00	3.78	1.05	0.00	8.11	0.01	0.00
3.79	1.03	0.00	8.11	0.01	0.00	3.80	1.02	0.00	8.10	0.01	0.00
3.81	1.00	0.00	8.10	0.01	0.00	3.82	0.99	0.01	8.09	0.01	0.00
3.83	0.98	0.02	8.09	0.01	0.00	3.84	0.97	0.03	8.08	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
3.85	0.96	0.04	8.07	0.01	0.00	3.86	0.95	0.05	8.07	0.01	0.00
3.87	0.95	0.05	8.06	0.01	0.00	3.88	0.95	0.05	8.06	0.01	0.00
3.89	0.95	0.05	8.05	0.01	0.00	3.90	0.95	0.05	8.05	0.01	0.00
3.91	0.88	0.12	8.04	0.01	0.01	3.92	0.82	0.18	8.04	0.01	0.01
3.93	0.78	0.22	8.04	0.01	0.02	3.94	0.80	0.20	8.03	0.01	0.02
3.95	0.82	0.18	8.03	0.01	0.01	3.96	0.83	0.17	8.02	0.01	0.01
3.97	0.84	0.16	8.02	0.01	0.01	3.98	0.85	0.15	8.01	0.01	0.01
3.99	0.86	0.14	8.01	0.01	0.01	4.00	0.88	0.12	8.00	0.01	0.01
4.01	0.88	0.12	8.00	0.01	0.01	4.02	0.89	0.11	7.99	0.01	0.01
4.03	0.90	0.10	7.99	0.01	0.01	4.04	0.92	0.08	7.98	0.01	0.01
4.05	0.93	0.07	7.97	0.01	0.01	4.06	0.94	0.06	7.97	0.01	0.01
4.07	0.94	0.06	7.96	0.01	0.00	4.08	0.93	0.07	7.96	0.01	0.01
4.09	0.92	0.08	7.96	0.01	0.01	4.10	0.91	0.09	7.95	0.01	0.01
4.11	0.91	0.09	7.95	0.01	0.01	4.12	0.90	0.10	7.94	0.01	0.01
4.13	0.90	0.10	7.93	0.01	0.01	4.14	0.91	0.09	7.93	0.01	0.01
4.15	0.91	0.09	7.92	0.01	0.01	4.16	0.92	0.08	7.92	0.01	0.01
4.17	0.91	0.09	7.92	0.01	0.01	4.18	0.91	0.09	7.91	0.01	0.01
4.19	0.89	0.11	7.91	0.01	0.01	4.20	0.88	0.12	7.90	0.01	0.01
4.21	0.86	0.14	7.89	0.01	0.01	4.22	0.85	0.15	7.89	0.01	0.01
4.23	0.83	0.17	7.88	0.01	0.01	4.24	0.81	0.19	7.88	0.01	0.01
4.25	0.79	0.21	7.88	0.01	0.02	4.26	0.77	0.23	7.87	0.01	0.02
4.27	0.76	0.24	7.87	0.01	0.02	4.28	0.75	0.25	7.86	0.01	0.02
4.29	0.73	0.27	7.86	0.01	0.02	4.30	0.71	0.29	7.85	0.01	0.02
4.31	0.69	0.31	7.84	0.01	0.02	4.32	0.68	0.32	7.84	0.01	0.03
4.33	0.67	0.33	7.83	0.01	0.03	4.34	0.67	0.33	7.83	0.01	0.03
4.35	0.68	0.32	7.83	0.01	0.02	4.36	0.71	0.29	7.82	0.01	0.02
4.37	0.74	0.26	7.82	0.01	0.02	4.38	0.79	0.21	7.81	0.01	0.02
4.39	0.83	0.17	7.80	0.01	0.01	4.40	0.87	0.13	7.80	0.01	0.01
4.41	0.89	0.11	7.79	0.01	0.01	4.42	0.90	0.10	7.79	0.01	0.01
4.43	0.91	0.09	7.79	0.01	0.01	4.44	0.92	0.08	7.78	0.01	0.01
4.45	0.91	0.09	7.78	0.01	0.01	4.46	0.90	0.10	7.77	0.01	0.01
4.47	0.89	0.11	7.76	0.01	0.01	4.48	0.87	0.13	7.76	0.01	0.01
4.49	0.86	0.14	7.75	0.01	0.01	4.50	0.86	0.14	7.75	0.01	0.01
4.51	0.86	0.14	7.75	0.01	0.01	4.52	0.83	0.17	7.74	0.01	0.01
4.53	0.79	0.21	7.74	0.01	0.02	4.54	0.75	0.25	7.73	0.01	0.02
4.55	0.74	0.26	7.72	0.01	0.02	4.56	0.73	0.27	7.72	0.01	0.02
4.57	0.73	0.27	7.71	0.01	0.02	4.58	0.73	0.27	7.71	0.01	0.02
4.59	0.73	0.27	7.71	0.01	0.02	4.60	0.73	0.27	7.70	0.01	0.02
4.61	0.73	0.27	7.70	0.01	0.02	4.62	0.72	0.28	7.69	0.01	0.02
4.63	0.72	0.28	7.68	0.01	0.02	4.64	0.72	0.28	7.68	0.01	0.02
4.65	0.72	0.28	7.67	0.01	0.02	4.66	0.73	0.27	7.67	0.01	0.02
4.67	0.73	0.27	7.67	0.01	0.02	4.68	0.74	0.26	7.66	0.01	0.02
4.69	0.74	0.26	7.66	0.01	0.02	4.70	0.75	0.25	7.65	0.01	0.02
4.71	0.74	0.26	7.64	0.01	0.02	4.72	0.73	0.27	7.64	0.01	0.02
4.73	0.72	0.28	7.63	0.01	0.02	4.74	0.71	0.29	7.63	0.01	0.02
4.75	0.69	0.31	7.63	0.01	0.02	4.76	0.68	0.32	7.62	0.01	0.02
4.77	0.67	0.33	7.62	0.01	0.03	4.78	0.66	0.34	7.61	0.01	0.03
4.79	0.65	0.35	7.61	0.01	0.03	4.80	0.64	0.36	7.60	0.01	0.03

:: 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
4.81	0.64	0.36	7.59	0.01	0.03	4.82	0.64	0.36	7.59	0.01	0.03
4.83	0.63	0.37	7.58	0.01	0.03	4.84	0.63	0.37	7.58	0.01	0.03
4.85	0.63	0.37	7.58	0.01	0.03	4.86	0.62	0.38	7.57	0.01	0.03
4.87	0.62	0.38	7.57	0.01	0.03	4.88	0.61	0.39	7.56	0.01	0.03
4.89	0.60	0.40	7.55	0.01	0.03	4.90	0.60	0.40	7.55	0.01	0.03
4.91	0.56	0.44	7.54	0.01	0.03	4.92	0.53	0.47	7.54	0.01	0.04
4.93	0.44	0.56	7.54	0.01	0.04	4.94	0.44	0.56	7.53	0.01	0.04
4.95	0.51	0.49	7.53	0.01	0.04	4.96	0.52	0.48	7.52	0.01	0.04
4.97	0.52	0.48	7.51	0.01	0.04	4.98	0.52	0.48	7.51	0.01	0.04
4.99	0.52	0.48	7.50	0.01	0.04	5.00	0.52	0.48	7.50	0.01	0.04
5.01	0.51	0.49	7.50	0.01	0.04	5.02	0.51	0.49	7.49	0.01	0.04
5.03	0.51	0.49	7.49	0.01	0.04	5.04	0.51	0.49	7.48	0.01	0.04
5.05	0.51	0.49	7.47	0.01	0.04	5.06	0.52	0.48	7.47	0.01	0.04
5.07	0.52	0.48	7.46	0.01	0.04	5.08	0.53	0.47	7.46	0.01	0.04
5.09	0.53	0.47	7.46	0.01	0.03	5.10	0.54	0.46	7.45	0.01	0.03
5.11	0.55	0.45	7.45	0.01	0.03	5.12	0.57	0.43	7.44	0.01	0.03
5.13	0.58	0.42	7.43	0.01	0.03	5.14	0.60	0.40	7.43	0.01	0.03
5.15	0.60	0.40	7.42	0.01	0.03	5.16	0.60	0.40	7.42	0.01	0.03
5.17	0.60	0.40	7.42	0.01	0.03	5.18	0.58	0.42	7.41	0.01	0.03
5.19	0.56	0.44	7.41	0.01	0.03	5.20	0.54	0.46	7.40	0.01	0.03
5.21	0.52	0.48	7.39	0.01	0.04	5.22	0.52	0.48	7.39	0.01	0.04
5.23	0.51	0.49	7.38	0.01	0.04	5.24	0.51	0.49	7.38	0.01	0.04
5.25	0.50	0.50	7.38	0.01	0.04	5.26	0.50	0.50	7.37	0.01	0.04
5.27	0.49	0.51	7.37	0.01	0.04	5.28	0.49	0.51	7.36	0.01	0.04
5.29	0.49	0.51	7.36	0.01	0.04	5.30	0.49	0.51	7.35	0.01	0.04
5.31	0.48	0.52	7.34	0.01	0.04	5.32	0.48	0.52	7.34	0.01	0.04
5.33	0.47	0.53	7.33	0.01	0.04	5.34	0.47	0.53	7.33	0.01	0.04
5.35	0.46	0.54	7.33	0.01	0.04	5.36	0.45	0.55	7.32	0.01	0.04
5.37	0.45	0.55	7.32	0.01	0.04	5.38	0.44	0.56	7.31	0.01	0.04
5.39	0.44	0.56	7.30	0.01	0.04	5.40	0.44	0.56	7.30	0.01	0.04
5.41	0.46	0.54	7.29	0.01	0.04	5.42	0.48	0.52	7.29	0.01	0.04
5.43	0.51	0.49	7.29	0.01	0.04	5.44	0.54	0.46	7.28	0.01	0.03
5.45	0.57	0.43	7.28	0.01	0.03	5.46	0.59	0.41	7.27	0.01	0.03
5.47	0.59	0.41	7.26	0.01	0.03	5.48	0.58	0.42	7.26	0.01	0.03
5.49	0.57	0.43	7.25	0.01	0.03	5.50	0.54	0.46	7.25	0.01	0.03
5.51	0.52	0.48	7.25	0.01	0.03	5.52	0.50	0.50	7.24	0.01	0.04
5.53	0.49	0.51	7.24	0.01	0.04	5.54	0.48	0.52	7.23	0.01	0.04
5.55	0.48	0.52	7.22	0.01	0.04	5.56	0.47	0.53	7.22	0.01	0.04
5.57	0.46	0.54	7.21	0.01	0.04	5.58	0.46	0.54	7.21	0.01	0.04
5.59	0.40	0.60	7.21	0.01	0.04	5.60	0.40	0.60	7.20	0.01	0.04
5.61	0.40	0.60	7.20	0.01	0.04	5.62	0.40	0.60	7.19	0.01	0.04
5.63	0.40	0.60	7.18	0.01	0.04	5.64	0.39	0.61	7.18	0.01	0.04
5.65	0.38	0.62	7.17	0.01	0.04	5.66	0.37	0.63	7.17	0.01	0.04
5.67	0.37	0.63	7.17	0.01	0.05	5.68	0.43	0.57	7.16	0.01	0.04
5.69	0.43	0.57	7.16	0.01	0.04	5.70	0.44	0.56	7.15	0.01	0.04
5.71	0.44	0.56	7.14	0.01	0.04	5.72	0.44	0.56	7.14	0.01	0.04
5.73	0.45	0.55	7.13	0.01	0.04	5.74	0.46	0.54	7.13	0.01	0.04
5.75	0.49	0.51	7.13	0.01	0.04	5.76	0.52	0.48	7.12	0.01	0.03

:: 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
5.77	0.56	0.44	7.12	0.01	0.03	5.78	0.59	0.41	7.11	0.01	0.03
5.79	0.60	0.40	7.11	0.01	0.03	5.80	0.60	0.40	7.10	0.01	0.03
5.81	0.60	0.40	7.09	0.01	0.03	5.82	0.60	0.40	7.09	0.01	0.03
5.83	0.60	0.40	7.08	0.01	0.03	5.84	0.62	0.38	7.08	0.01	0.03
5.85	0.65	0.35	7.08	0.01	0.02	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	7.05	0.01	0.00	5.90	2.00	0.00	7.05	0.01	0.00
5.91	2.00	0.00	7.04	0.01	0.00	5.92	2.00	0.00	7.04	0.01	0.00
5.93	0.54	0.46	7.04	0.01	0.03	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	7.01	0.01	0.00	5.98	0.68	0.32	7.01	0.01	0.02
5.99	0.65	0.35	7.00	0.01	0.02	6.00	0.62	0.38	7.00	0.01	0.03
6.01	0.62	0.38	7.00	0.01	0.03	6.02	0.61	0.39	6.99	0.01	0.03
6.03	0.59	0.41	6.99	0.01	0.03	6.04	0.56	0.44	6.98	0.01	0.03
6.05	0.53	0.47	6.97	0.01	0.03	6.06	0.51	0.49	6.97	0.01	0.03
6.07	0.49	0.51	6.96	0.01	0.04	6.08	0.42	0.58	6.96	0.01	0.04
6.09	0.41	0.59	6.96	0.01	0.04	6.10	0.40	0.60	6.95	0.01	0.04
6.11	0.39	0.61	6.95	0.01	0.04	6.12	0.38	0.62	6.94	0.01	0.04
6.13	0.38	0.62	6.93	0.01	0.04	6.14	0.38	0.62	6.93	0.01	0.04
6.15	0.37	0.63	6.92	0.01	0.04	6.16	0.37	0.63	6.92	0.01	0.04
6.17	0.36	0.64	6.92	0.01	0.04	6.18	0.36	0.64	6.91	0.01	0.04
6.19	0.35	0.65	6.91	0.01	0.04	6.20	0.35	0.65	6.90	0.01	0.05
6.21	0.42	0.58	6.89	0.01	0.04	6.22	0.42	0.58	6.89	0.01	0.04
6.23	0.43	0.57	6.88	0.01	0.04	6.24	0.43	0.57	6.88	0.01	0.04
6.25	0.44	0.56	6.88	0.01	0.04	6.26	0.45	0.55	6.87	0.01	0.04
6.27	0.48	0.52	6.87	0.01	0.04	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	0.55	0.45	6.85	0.01	0.03
6.31	0.55	0.45	6.84	0.01	0.03	6.32	0.55	0.45	6.84	0.01	0.03
6.33	0.54	0.46	6.83	0.01	0.03	6.34	0.54	0.46	6.83	0.01	0.03
6.35	0.55	0.45	6.83	0.01	0.03	6.36	0.55	0.45	6.82	0.01	0.03
6.37	0.53	0.47	6.82	0.01	0.03	6.38	0.51	0.49	6.81	0.01	0.03
6.39	0.51	0.49	6.80	0.01	0.03	6.40	0.51	0.49	6.80	0.01	0.03
6.41	0.52	0.48	6.79	0.01	0.03	6.42	0.47	0.53	6.79	0.01	0.04
6.43	0.50	0.50	6.79	0.01	0.03	6.44	0.54	0.46	6.78	0.01	0.03
6.45	0.58	0.42	6.78	0.01	0.03	6.46	0.61	0.39	6.77	0.01	0.03
6.47	0.65	0.35	6.76	0.01	0.02	6.48	0.68	0.32	6.76	0.01	0.02
6.49	0.70	0.30	6.75	0.01	0.02	6.50	0.72	0.28	6.75	0.01	0.02
6.51	0.72	0.28	6.75	0.01	0.02	6.52	0.72	0.28	6.74	0.01	0.02
6.53	0.71	0.29	6.74	0.01	0.02	6.54	0.70	0.30	6.73	0.01	0.02
6.55	0.68	0.32	6.72	0.01	0.02	6.56	0.67	0.33	6.72	0.01	0.02
6.57	0.66	0.34	6.71	0.01	0.02	6.58	0.65	0.35	6.71	0.01	0.02
6.59	0.64	0.36	6.71	0.01	0.02	6.60	0.63	0.37	6.70	0.01	0.02
6.61	0.63	0.37	6.70	0.01	0.03	6.62	0.62	0.38	6.69	0.01	0.03
6.63	0.61	0.39	6.68	0.01	0.03	6.64	0.60	0.40	6.68	0.01	0.03
6.65	0.59	0.41	6.67	0.01	0.03	6.66	0.57	0.43	6.67	0.01	0.03
6.67	0.56	0.44	6.67	0.01	0.03	6.68	0.55	0.45	6.66	0.01	0.03
6.69	0.55	0.45	6.66	0.01	0.03	6.70	0.55	0.45	6.65	0.01	0.03
6.71	0.55	0.45	6.64	0.01	0.03	6.72	0.55	0.45	6.64	0.01	0.03

:: 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
6.73	0.56	0.44	6.63	0.01	0.03	6.74	0.56	0.44	6.63	0.01	0.03
6.75	0.56	0.44	6.63	0.01	0.03	6.76	0.55	0.45	6.62	0.01	0.03
6.77	0.55	0.45	6.62	0.01	0.03	6.78	0.55	0.45	6.61	0.01	0.03
6.79	0.55	0.45	6.61	0.01	0.03	6.80	0.55	0.45	6.60	0.01	0.03
6.81	0.54	0.46	6.59	0.01	0.03	6.82	0.53	0.47	6.59	0.01	0.03
6.83	0.52	0.48	6.58	0.01	0.03	6.84	0.50	0.50	6.58	0.01	0.03
6.85	0.49	0.51	6.58	0.01	0.03	6.86	0.47	0.53	6.57	0.01	0.03
6.87	0.46	0.54	6.57	0.01	0.04	6.88	0.52	0.48	6.56	0.01	0.03
6.89	0.52	0.48	6.55	0.01	0.03	6.90	0.52	0.48	6.55	0.01	0.03
6.91	0.50	0.50	6.54	0.01	0.03	6.92	0.49	0.51	6.54	0.01	0.03
6.93	0.42	0.58	6.54	0.01	0.04	6.94	0.48	0.52	6.53	0.01	0.03
6.95	0.49	0.51	6.53	0.01	0.03	6.96	0.50	0.50	6.52	0.01	0.03
6.97	0.51	0.49	6.51	0.01	0.03	6.98	0.52	0.48	6.51	0.01	0.03
6.99	0.53	0.47	6.50	0.01	0.03	7.00	0.54	0.46	6.50	0.01	0.03
7.01	0.55	0.45	6.50	0.01	0.03	7.02	0.55	0.45	6.49	0.01	0.03
7.03	0.53	0.47	6.49	0.01	0.03	7.04	0.52	0.48	6.48	0.01	0.03
7.05	0.51	0.49	6.47	0.01	0.03	7.06	0.43	0.57	6.47	0.01	0.04
7.07	0.43	0.57	6.46	0.01	0.04	7.08	0.43	0.57	6.46	0.01	0.04
7.09	0.43	0.57	6.46	0.01	0.04	7.10	0.43	0.57	6.45	0.01	0.04
7.11	0.43	0.57	6.45	0.01	0.04	7.12	0.44	0.56	6.44	0.01	0.04
7.13	0.44	0.56	6.43	0.01	0.04	7.14	0.44	0.56	6.43	0.01	0.04
7.15	0.44	0.56	6.42	0.01	0.04	7.16	0.45	0.55	6.42	0.01	0.04
7.17	0.45	0.55	6.42	0.01	0.04	7.18	0.45	0.55	6.41	0.01	0.04
7.19	0.45	0.55	6.41	0.01	0.04	7.20	0.45	0.55	6.40	0.01	0.04
7.21	0.44	0.56	6.39	0.01	0.04	7.22	0.44	0.56	6.39	0.01	0.04
7.23	0.43	0.57	6.38	0.01	0.04	7.24	0.42	0.58	6.38	0.01	0.04
7.25	0.42	0.58	6.38	0.01	0.04	7.26	0.41	0.59	6.37	0.01	0.04
7.27	0.40	0.60	6.37	0.01	0.04	7.28	0.38	0.62	6.36	0.01	0.04
7.29	0.37	0.63	6.36	0.01	0.04	7.30	0.37	0.63	6.35	0.01	0.04
7.31	0.36	0.64	6.34	0.01	0.04	7.32	0.36	0.64	6.34	0.01	0.04
7.33	0.36	0.64	6.33	0.01	0.04	7.34	0.43	0.57	6.33	0.01	0.04
7.35	0.43	0.57	6.33	0.01	0.04	7.36	0.44	0.56	6.32	0.01	0.04
7.37	0.45	0.55	6.32	0.01	0.03	7.38	0.45	0.55	6.31	0.01	0.03
7.39	0.46	0.54	6.30	0.01	0.03	7.40	0.47	0.53	6.30	0.01	0.03
7.41	0.48	0.52	6.29	0.01	0.03	7.42	0.50	0.50	6.29	0.01	0.03
7.43	0.51	0.49	6.29	0.01	0.03	7.44	0.53	0.47	6.28	0.01	0.03
7.45	0.55	0.45	6.28	0.01	0.03	7.46	0.58	0.42	6.27	0.01	0.03
7.47	0.62	0.38	6.26	0.01	0.02	7.48	2.00	0.00	6.26	0.01	0.00
7.49	2.00	0.00	6.25	0.01	0.00	7.50	0.71	0.29	6.25	0.01	0.02
7.51	0.72	0.28	6.25	0.01	0.02	7.52	0.71	0.29	6.24	0.01	0.02
7.53	0.69	0.31	6.24	0.01	0.02	7.54	0.68	0.32	6.23	0.01	0.02
7.55	0.67	0.33	6.22	0.01	0.02	7.56	0.66	0.34	6.22	0.01	0.02
7.57	0.65	0.35	6.21	0.01	0.02	7.58	0.63	0.37	6.21	0.01	0.02
7.59	0.61	0.39	6.21	0.01	0.02	7.60	0.60	0.40	6.20	0.01	0.03
7.61	0.58	0.42	6.20	0.01	0.03	7.62	0.57	0.43	6.19	0.01	0.03
7.63	0.55	0.45	6.18	0.01	0.03	7.64	0.54	0.46	6.18	0.01	0.03
7.65	0.54	0.46	6.17	0.01	0.03	7.66	0.55	0.45	6.17	0.01	0.03
7.67	0.55	0.45	6.17	0.01	0.03	7.68	0.56	0.44	6.16	0.01	0.03

:: 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
7.69	0.56	0.44	6.16	0.01	0.03	7.70	0.56	0.44	6.15	0.01	0.03
7.71	0.55	0.45	6.14	0.01	0.03	7.72	0.55	0.45	6.14	0.01	0.03
7.73	0.54	0.46	6.13	0.01	0.03	7.74	0.54	0.46	6.13	0.01	0.03
7.75	0.53	0.47	6.13	0.01	0.03	7.76	0.52	0.48	6.12	0.01	0.03
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	6.09	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.08	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	6.05	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.04	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	6.01	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.00	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	5.97	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.96	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	5.93	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.92	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	5.89	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.88	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	5.84	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.83	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	5.80	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.79	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	5.76	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.75	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	5.71	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
8.65	2.00	0.00	5.67	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	5.63	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	5.59	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.58	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	5.55	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.54	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	5.51	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.50	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	5.46	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	5.42	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	5.38	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	5.34	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.33	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	5.30	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.29	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	5.26	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.25	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	5.21	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
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	5.17	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	5.13	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	5.09	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.08	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	5.05	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.04	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	5.01	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.00	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	4.96	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	4.92	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	4.88	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	4.84	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.83	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	4.80	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.79	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	4.76	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.75	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	4.71	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	4.67	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	4.63	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	4.59	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.58	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	4.55	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.54	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	4.51	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.50	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	4.46	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	4.42	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	4.38	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	4.34	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.33	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	4.30	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.29	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	4.26	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.25	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	4.21	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	4.17	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	4.13	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	4.09	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.08	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	4.05	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.04	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	4.01	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.00	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	3.98	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	3.96	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	3.94	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	3.92	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	3.90	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	3.88	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	3.85	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	3.83	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	3.81	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	3.79	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	3.77	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
12.49	2.00	0.00	3.75	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	3.73	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	3.71	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	3.69	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	3.67	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	3.65	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	3.63	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	3.60	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	3.58	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	3.56	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	3.54	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	3.52	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	3.50	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	3.48	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	3.46	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	3.44	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	3.42	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	3.40	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	3.38	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	3.35	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	3.33	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	3.31	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	3.29	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	3.27	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	3.25	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	3.23	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	3.21	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	3.19	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	3.17	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	3.15	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	3.13	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	3.10	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	3.08	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	3.06	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	3.04	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	3.02	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	3.00	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	2.98	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	2.96	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	2.94	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	2.92	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	2.90	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	2.88	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	2.85	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	2.83	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	2.81	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	2.79	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	2.77	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	2.75	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	2.73	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	2.71	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	2.69	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	2.60	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	2.58	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	2.56	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	2.54	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	2.52	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	2.50	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	2.48	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	2.46	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	2.44	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
15.21	2.00	0.00	2.40	0.01	0.00	15.22	2.00	0.00	2.39	0.01	0.00
15.23	2.00	0.00	2.38	0.01	0.00	15.24	2.00	0.00	2.38	0.01	0.00
15.25	2.00	0.00	2.38	0.01	0.00	15.26	2.00	0.00	2.37	0.01	0.00
15.27	2.00	0.00	2.37	0.01	0.00	15.28	2.00	0.00	2.36	0.01	0.00
15.29	2.00	0.00	2.35	0.01	0.00	15.30	2.00	0.00	2.35	0.01	0.00
15.31	2.00	0.00	2.35	0.01	0.00	15.32	2.00	0.00	2.34	0.01	0.00
15.33	2.00	0.00	2.33	0.01	0.00	15.34	2.00	0.00	2.33	0.01	0.00
15.35	2.00	0.00	2.33	0.01	0.00	15.36	2.00	0.00	2.32	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
15.37	2.00	0.00	2.31	0.01	0.00	15.38	2.00	0.00	2.31	0.01	0.00
15.39	2.00	0.00	2.31	0.01	0.00	15.40	2.00	0.00	2.30	0.01	0.00
15.41	2.00	0.00	2.29	0.01	0.00	15.42	2.00	0.00	2.29	0.01	0.00
15.43	2.00	0.00	2.29	0.01	0.00	15.44	2.00	0.00	2.28	0.01	0.00
15.45	2.00	0.00	2.27	0.01	0.00	15.46	2.00	0.00	2.27	0.01	0.00
15.47	2.00	0.00	2.27	0.01	0.00	15.48	2.00	0.00	2.26	0.01	0.00
15.49	2.00	0.00	2.25	0.01	0.00	15.50	2.00	0.00	2.25	0.01	0.00
15.51	2.00	0.00	2.25	0.01	0.00	15.52	2.00	0.00	2.24	0.01	0.00
15.53	2.00	0.00	2.23	0.01	0.00	15.54	2.00	0.00	2.23	0.01	0.00
15.55	2.00	0.00	2.23	0.01	0.00	15.56	2.00	0.00	2.22	0.01	0.00
15.57	2.00	0.00	2.21	0.01	0.00	15.58	2.00	0.00	2.21	0.01	0.00
15.59	2.00	0.00	2.21	0.01	0.00	15.60	2.00	0.00	2.20	0.01	0.00
15.61	2.00	0.00	2.19	0.01	0.00	15.62	2.00	0.00	2.19	0.01	0.00
15.63	2.00	0.00	2.19	0.01	0.00	15.64	2.00	0.00	2.18	0.01	0.00
15.65	2.00	0.00	2.17	0.01	0.00	15.66	2.00	0.00	2.17	0.01	0.00
15.67	2.00	0.00	2.17	0.01	0.00	15.68	2.00	0.00	2.16	0.01	0.00
15.69	2.00	0.00	2.15	0.01	0.00	15.70	2.00	0.00	2.15	0.01	0.00
15.71	2.00	0.00	2.15	0.01	0.00	15.72	2.00	0.00	2.14	0.01	0.00
15.73	2.00	0.00	2.13	0.01	0.00	15.74	2.00	0.00	2.13	0.01	0.00
15.75	2.00	0.00	2.13	0.01	0.00	15.76	2.00	0.00	2.12	0.01	0.00
15.77	2.00	0.00	2.12	0.01	0.00	15.78	2.00	0.00	2.11	0.01	0.00
15.79	2.00	0.00	2.10	0.01	0.00	15.80	2.00	0.00	2.10	0.01	0.00

Overall liquefaction potential: 10.74

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

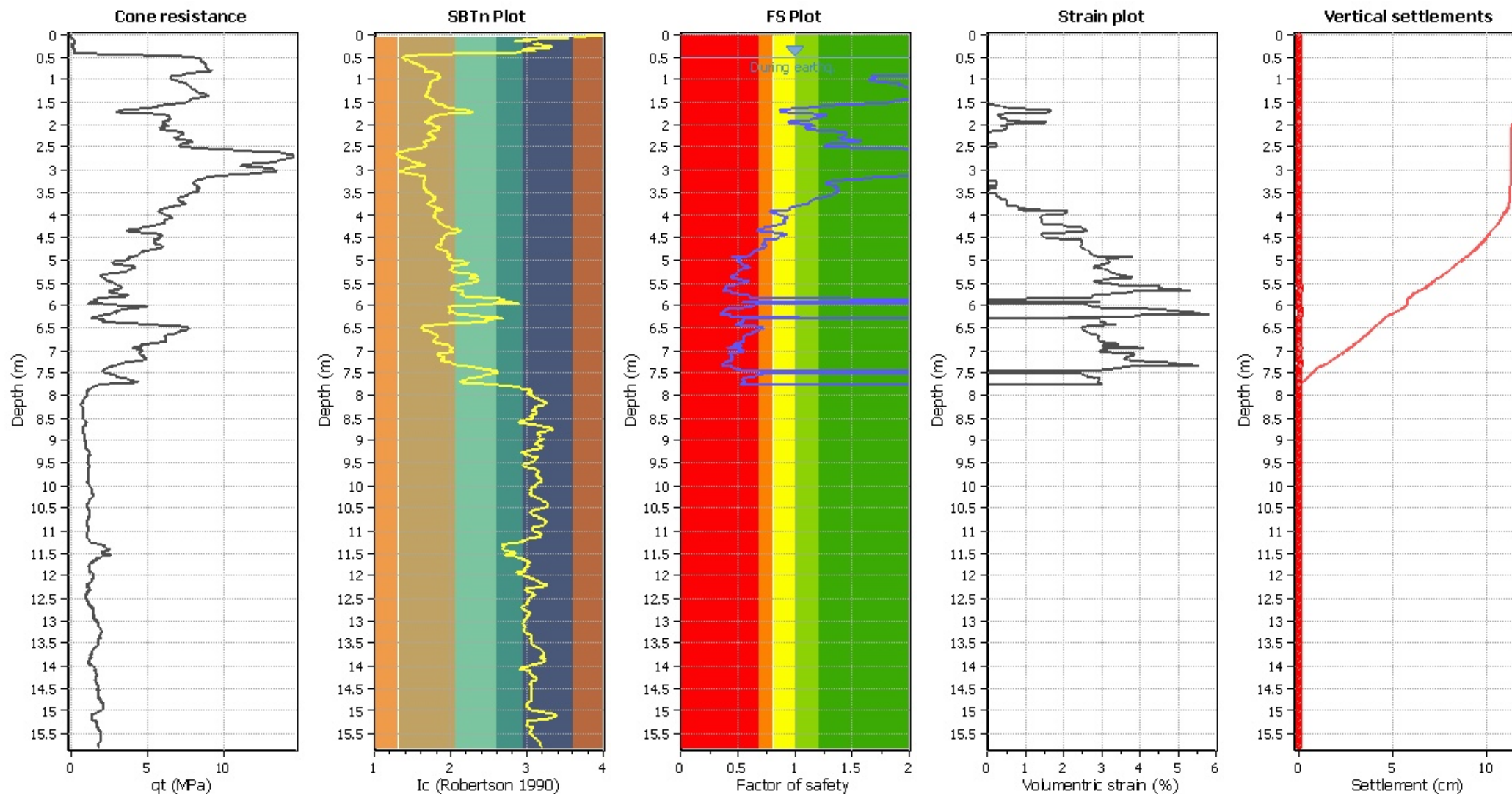
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_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

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
0.50	132.88	2.00	0.00	1.00	0.00	0.51	137.47	2.00	0.00	1.00	0.00
0.52	140.64	2.00	0.00	1.00	0.00	0.53	142.34	2.00	0.00	1.00	0.00
0.54	143.70	2.00	0.00	1.00	0.00	0.55	144.71	2.00	0.00	1.00	0.00
0.56	145.51	2.00	0.00	1.00	0.00	0.57	146.01	2.00	0.00	1.00	0.00
0.58	146.01	2.00	0.00	1.00	0.00	0.59	146.12	2.00	0.00	1.00	0.00
0.60	146.68	2.00	0.00	1.00	0.00	0.61	147.30	2.00	0.00	1.00	0.00
0.62	148.09	2.00	0.00	1.00	0.00	0.63	148.43	2.00	0.00	1.00	0.00
0.64	149.17	2.00	0.00	1.00	0.00	0.65	149.67	2.00	0.00	1.00	0.00
0.66	150.58	2.00	0.00	1.00	0.00	0.67	150.86	2.00	0.00	1.00	0.00
0.68	150.68	2.00	0.00	1.00	0.00	0.69	150.40	2.00	0.00	1.00	0.00
0.70	150.34	2.00	0.00	1.00	0.00	0.71	150.79	2.00	0.00	1.00	0.00
0.72	150.73	2.00	0.00	1.00	0.00	0.73	150.55	2.00	0.00	1.00	0.00
0.74	151.40	2.00	0.00	1.00	0.00	0.75	152.49	2.00	0.00	1.00	0.00
0.76	154.22	2.00	0.00	1.00	0.00	0.77	155.99	2.00	0.00	1.00	0.00
0.78	157.40	2.00	0.00	1.00	0.00	0.79	158.25	2.00	0.00	1.00	0.00
0.80	158.34	2.00	0.00	1.00	0.00	0.81	157.48	2.00	0.00	1.00	0.00
0.82	155.87	2.00	0.00	1.00	0.00	0.83	153.39	2.00	0.00	1.00	0.00
0.84	151.45	2.00	0.00	1.00	0.00	0.85	149.09	2.00	0.00	1.00	0.00
0.86	147.21	2.00	0.00	1.00	0.00	0.87	144.84	2.00	0.00	1.00	0.00
0.88	142.97	2.00	0.00	1.00	0.00	0.89	141.83	2.00	0.00	1.00	0.00
0.90	141.51	2.00	0.00	1.00	0.00	0.91	135.50	2.00	0.00	1.00	0.00
0.92	130.01	1.83	0.00	1.00	0.00	0.93	124.73	1.67	0.00	1.00	0.00
0.94	125.85	1.70	0.00	1.00	0.00	0.95	126.33	1.70	0.00	1.00	0.00
0.96	126.50	1.70	0.00	1.00	0.00	0.97	126.08	1.68	0.00	1.00	0.00
0.98	125.57	1.66	0.00	1.00	0.00	0.99	124.99	1.64	0.00	1.00	0.00
1.00	125.32	1.64	0.00	1.00	0.00	1.01	126.13	1.66	0.00	1.00	0.00
1.02	127.16	1.68	0.00	1.00	0.00	1.03	127.96	1.70	0.00	1.00	0.00
1.04	128.80	1.71	0.00	1.00	0.00	1.05	130.42	1.75	0.00	1.00	0.00
1.06	132.22	1.80	0.00	1.00	0.00	1.07	133.87	1.85	0.00	1.00	0.00
1.08	134.87	1.87	0.00	1.00	0.00	1.09	135.67	1.89	0.00	1.00	0.00
1.10	136.35	1.90	0.00	1.00	0.00	1.11	136.83	1.91	0.00	1.00	0.00
1.12	137.33	1.92	0.00	1.00	0.00	1.13	137.98	1.94	0.00	1.00	0.00
1.14	138.64	1.95	0.00	1.00	0.00	1.15	139.26	1.97	0.00	1.00	0.00
1.16	139.66	1.98	0.00	1.00	0.00	1.17	140.08	1.98	0.00	1.00	0.00
1.18	140.46	1.99	0.00	1.00	0.00	1.19	140.87	2.00	0.00	1.00	0.00
1.20	141.24	2.00	0.00	1.00	0.00	1.21	141.93	2.00	0.00	1.00	0.00
1.22	142.79	2.00	0.00	1.00	0.00	1.23	143.75	2.00	0.00	1.00	0.00
1.24	144.57	2.00	0.00	1.00	0.00	1.25	145.03	2.00	0.00	1.00	0.00
1.26	145.17	2.00	0.00	1.00	0.00	1.27	145.00	2.00	0.00	1.00	0.00
1.28	145.10	2.00	0.00	1.00	0.00	1.29	146.07	2.00	0.00	1.00	0.00
1.30	147.66	2.00	0.00	1.00	0.00	1.31	149.66	2.00	0.00	1.00	0.00
1.32	151.35	2.00	0.00	1.00	0.00	1.33	152.93	2.00	0.00	1.00	0.00
1.34	153.87	2.00	0.00	1.00	0.00	1.35	154.19	2.00	0.00	1.00	0.00
1.36	153.52	2.00	0.00	1.00	0.00	1.37	152.52	2.00	0.00	1.00	0.00
1.38	151.26	2.00	0.00	1.00	0.00	1.39	150.05	2.00	0.00	1.00	0.00
1.40	148.23	2.00	0.00	1.00	0.00	1.41	146.42	2.00	0.00	1.00	0.00
1.42	144.69	2.00	0.00	1.00	0.00	1.43	143.69	1.99	0.00	1.00	0.00
1.44	142.87	1.96	0.00	1.00	0.00	1.45	142.29	1.94	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.46	141.90	1.92	0.00	1.00	0.00	1.47	141.69	1.91	0.00	1.00	0.00
1.48	141.53	1.90	0.00	1.00	0.00	1.49	140.58	1.87	0.00	1.00	0.00
1.50	138.92	1.82	0.00	1.00	0.00	1.51	136.47	1.74	0.00	1.00	0.00
1.52	133.82	1.67	0.00	1.00	0.00	1.53	131.06	1.59	0.00	1.00	0.00
1.54	127.39	1.49	0.00	1.00	0.00	1.55	123.84	1.40	0.00	1.00	0.00
1.56	120.40	1.32	0.25	1.00	0.00	1.57	117.92	1.27	0.26	1.00	0.00
1.58	116.36	1.23	0.36	1.00	0.00	1.59	115.58	1.22	0.37	1.00	0.00
1.60	115.40	1.21	0.37	1.00	0.00	1.61	114.56	1.19	0.37	1.00	0.00
1.62	111.90	1.14	0.51	1.00	0.01	1.63	108.49	1.08	0.52	1.00	0.01
1.64	104.89	1.01	0.85	1.00	0.01	1.65	102.29	0.97	0.87	1.00	0.01
1.66	99.90	0.93	1.57	1.00	0.02	1.67	97.40	0.89	1.63	1.00	0.02
1.68	95.96	0.87	1.67	1.00	0.02	1.69	95.96	0.87	1.67	1.00	0.02
1.70	97.06	0.88	1.64	1.00	0.02	1.71	98.34	0.90	1.61	1.00	0.02
1.72	100.45	0.93	1.56	1.00	0.02	1.73	103.48	0.98	0.86	1.00	0.01
1.74	107.40	1.04	0.83	1.00	0.01	1.75	111.38	1.11	0.51	1.00	0.01
1.76	115.49	1.19	0.37	1.00	0.00	1.77	117.89	1.23	0.36	1.00	0.00
1.78	119.38	1.26	0.25	1.00	0.00	1.79	119.90	1.27	0.25	1.00	0.00
1.80	119.58	1.26	0.25	1.00	0.00	1.81	118.67	1.24	0.36	1.00	0.00
1.82	117.78	1.22	0.36	1.00	0.00	1.83	116.96	1.21	0.36	1.00	0.00
1.84	116.49	1.19	0.36	1.00	0.00	1.85	116.17	1.19	0.36	1.00	0.00
1.86	115.99	1.18	0.37	1.00	0.00	1.87	115.64	1.17	0.37	1.00	0.00
1.88	114.47	1.15	0.50	1.00	0.01	1.89	113.37	1.13	0.51	1.00	0.01
1.90	112.49	1.11	0.51	1.00	0.01	1.91	105.03	0.98	0.84	1.00	0.01
1.92	103.38	0.95	0.86	1.00	0.01	1.93	102.02	0.93	1.52	1.00	0.02
1.94	103.44	0.95	0.86	1.00	0.01	1.95	103.55	0.95	0.86	1.00	0.01
1.96	103.20	0.95	1.50	1.00	0.01	1.97	109.35	1.04	0.81	1.00	0.01
1.98	110.12	1.06	0.52	1.00	0.01	1.99	111.12	1.07	0.51	1.00	0.01
2.00	112.94	1.11	0.51	1.00	0.01	2.01	114.77	1.14	0.50	1.00	0.01
2.02	116.11	1.16	0.36	1.00	0.00	2.03	116.01	1.16	0.36	1.00	0.00
2.04	115.36	1.15	0.50	1.00	0.01	2.05	114.17	1.12	0.51	1.00	0.01
2.06	113.10	1.10	0.51	1.00	0.01	2.07	112.56	1.09	0.51	1.00	0.01
2.08	113.01	1.10	0.51	1.00	0.01	2.09	114.18	1.12	0.51	1.00	0.01
2.10	115.81	1.15	0.50	1.00	0.01	2.11	118.33	1.20	0.36	1.00	0.00
2.12	120.87	1.25	0.35	1.00	0.00	2.13	123.32	1.30	0.25	1.00	0.00
2.14	125.02	1.33	0.25	1.00	0.00	2.15	126.53	1.37	0.00	1.00	0.00
2.16	128.12	1.40	0.00	1.00	0.00	2.17	129.32	1.43	0.00	1.00	0.00
2.18	130.14	1.45	0.00	1.00	0.00	2.19	130.35	1.45	0.00	1.00	0.00
2.20	130.30	1.45	0.00	1.00	0.00	2.21	130.13	1.45	0.00	1.00	0.00
2.22	129.98	1.44	0.00	1.00	0.00	2.23	129.91	1.44	0.00	1.00	0.00
2.24	129.87	1.44	0.00	1.00	0.00	2.25	129.71	1.43	0.00	1.00	0.00
2.26	129.40	1.42	0.00	1.00	0.00	2.27	128.86	1.41	0.00	1.00	0.00
2.28	128.37	1.40	0.00	1.00	0.00	2.29	128.06	1.39	0.00	1.00	0.00
2.30	128.25	1.39	0.00	1.00	0.00	2.31	128.85	1.40	0.00	1.00	0.00
2.32	130.62	1.45	0.00	1.00	0.00	2.33	132.73	1.50	0.00	1.00	0.00
2.34	134.76	1.55	0.00	1.00	0.00	2.35	135.64	1.57	0.00	1.00	0.00
2.36	135.86	1.57	0.00	1.00	0.00	2.37	135.70	1.57	0.00	1.00	0.00
2.38	134.91	1.55	0.00	1.00	0.00	2.39	133.63	1.51	0.00	1.00	0.00
2.40	132.15	1.47	0.00	1.00	0.00	2.41	129.34	1.41	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.42	127.05	1.35	0.00	1.00	0.00	2.43	124.87	1.30	0.25	1.00	0.00
2.44	123.33	1.27	0.25	1.00	0.00	2.45	122.46	1.25	0.25	1.00	0.00
2.46	122.50	1.25	0.25	1.00	0.00	2.47	122.92	1.26	0.25	1.00	0.00
2.48	123.75	1.28	0.25	1.00	0.00	2.49	125.87	1.32	0.25	1.00	0.00
2.50	128.78	1.39	0.00	1.00	0.00	2.51	135.01	1.53	0.00	1.00	0.00
2.52	141.35	1.70	0.00	1.00	0.00	2.53	148.15	1.90	0.00	1.00	0.00
2.54	157.56	2.00	0.00	1.00	0.00	2.55	167.24	2.00	0.00	1.00	0.00
2.56	177.16	2.00	0.00	1.00	0.00	2.57	184.69	2.00	0.00	1.00	0.00
2.58	191.66	2.00	0.00	1.00	0.00	2.59	200.90	2.00	0.00	1.00	0.00
2.60	210.13	2.00	0.00	1.00	0.00	2.61	219.37	2.00	0.00	1.00	0.00
2.62	225.71	2.00	0.00	1.00	0.00	2.63	233.19	2.00	0.00	1.00	0.00
2.64	239.19	2.00	0.00	1.00	0.00	2.65	243.81	2.00	0.00	1.00	0.00
2.66	244.97	2.00	0.00	1.00	0.00	2.67	245.40	2.00	0.00	1.00	0.00
2.68	245.55	2.00	0.00	1.00	0.00	2.69	245.52	2.00	0.00	1.00	0.00
2.70	245.21	2.00	0.00	1.00	0.00	2.71	244.01	2.00	0.00	1.00	0.00
2.72	242.41	2.00	0.00	1.00	0.00	2.73	240.98	2.00	0.00	1.00	0.00
2.74	239.34	2.00	0.00	1.00	0.00	2.75	237.52	2.00	0.00	1.00	0.00
2.76	235.27	2.00	0.00	1.00	0.00	2.77	233.24	2.00	0.00	1.00	0.00
2.78	231.05	2.00	0.00	1.00	0.00	2.79	227.87	2.00	0.00	1.00	0.00
2.80	224.63	2.00	0.00	1.00	0.00	2.81	221.30	2.00	0.00	1.00	0.00
2.82	218.08	2.00	0.00	1.00	0.00	2.83	213.88	2.00	0.00	1.00	0.00
2.84	206.98	2.00	0.00	1.00	0.00	2.85	199.88	2.00	0.00	1.00	0.00
2.86	193.13	2.00	0.00	1.00	0.00	2.87	189.09	2.00	0.00	1.00	0.00
2.88	186.16	2.00	0.00	1.00	0.00	2.89	185.51	2.00	0.00	1.00	0.00
2.90	185.03	2.00	0.00	1.00	0.00	2.91	181.79	2.00	0.00	1.00	0.00
2.92	184.90	2.00	0.00	1.00	0.00	2.93	190.08	2.00	0.00	1.00	0.00
2.94	198.63	2.00	0.00	1.00	0.00	2.95	203.95	2.00	0.00	1.00	0.00
2.96	208.44	2.00	0.00	1.00	0.00	2.97	212.15	2.00	0.00	1.00	0.00
2.98	214.35	2.00	0.00	1.00	0.00	2.99	215.89	2.00	0.00	1.00	0.00
3.00	217.75	2.00	0.00	1.00	0.00	3.01	219.13	2.00	0.00	1.00	0.00
3.02	219.26	2.00	0.00	1.00	0.00	3.03	216.70	2.00	0.00	1.00	0.00
3.04	211.45	2.00	0.00	1.00	0.00	3.05	205.45	2.00	0.00	1.00	0.00
3.06	199.68	2.00	0.00	1.00	0.00	3.07	195.43	2.00	0.00	1.00	0.00
3.08	190.43	2.00	0.00	1.00	0.00	3.09	182.23	2.00	0.00	1.00	0.00
3.10	173.83	2.00	0.00	1.00	0.00	3.11	166.09	2.00	0.00	1.00	0.00
3.12	161.36	2.00	0.00	1.00	0.00	3.13	157.55	2.00	0.00	1.00	0.00
3.14	153.32	2.00	0.00	1.00	0.00	3.15	150.01	1.91	0.00	1.00	0.00
3.16	147.96	1.85	0.00	1.00	0.00	3.17	145.16	1.76	0.00	1.00	0.00
3.18	142.05	1.68	0.00	1.00	0.00	3.19	138.85	1.59	0.00	1.00	0.00
3.20	136.35	1.53	0.00	1.00	0.00	3.21	134.07	1.47	0.00	1.00	0.00
3.22	131.37	1.41	0.00	1.00	0.00	3.23	129.00	1.35	0.00	1.00	0.00
3.24	127.57	1.32	0.24	1.00	0.00	3.25	127.12	1.31	0.24	1.00	0.00
3.26	126.72	1.30	0.24	1.00	0.00	3.27	126.23	1.29	0.24	1.00	0.00
3.28	125.78	1.28	0.25	1.00	0.00	3.29	125.34	1.27	0.25	1.00	0.00
3.30	125.16	1.26	0.25	1.00	0.00	3.31	125.45	1.27	0.25	1.00	0.00
3.32	125.95	1.28	0.25	1.00	0.00	3.33	126.70	1.30	0.24	1.00	0.00
3.34	127.41	1.31	0.24	1.00	0.00	3.35	128.53	1.33	0.24	1.00	0.00
3.36	129.49	1.36	0.00	1.00	0.00	3.37	130.24	1.37	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.38	130.37	1.37	0.00	1.00	0.00	3.39	129.98	1.37	0.00	1.00	0.00
3.40	128.92	1.34	0.24	1.00	0.00	3.41	129.23	1.35	0.24	1.00	0.00
3.42	129.68	1.36	0.00	1.00	0.00	3.43	130.09	1.37	0.00	1.00	0.00
3.44	130.36	1.37	0.00	1.00	0.00	3.45	130.60	1.38	0.00	1.00	0.00
3.46	130.72	1.38	0.00	1.00	0.00	3.47	130.64	1.38	0.00	1.00	0.00
3.48	130.58	1.37	0.00	1.00	0.00	3.49	130.38	1.37	0.00	1.00	0.00
3.50	130.07	1.36	0.00	1.00	0.00	3.51	129.70	1.35	0.00	1.00	0.00
3.52	129.46	1.35	0.24	1.00	0.00	3.53	129.29	1.34	0.24	1.00	0.00
3.54	128.90	1.34	0.24	1.00	0.00	3.55	128.42	1.32	0.24	1.00	0.00
3.56	127.77	1.31	0.24	1.00	0.00	3.57	127.25	1.30	0.24	1.00	0.00
3.58	126.40	1.28	0.24	1.00	0.00	3.59	125.60	1.26	0.25	1.00	0.00
3.60	124.85	1.25	0.35	1.00	0.00	3.61	124.28	1.23	0.35	1.00	0.00
3.62	123.62	1.22	0.35	1.00	0.00	3.63	122.63	1.20	0.35	1.00	0.00
3.64	121.63	1.18	0.35	1.00	0.00	3.65	120.78	1.16	0.35	1.00	0.00
3.66	120.29	1.15	0.36	1.00	0.00	3.67	120.07	1.15	0.49	1.00	0.00
3.68	119.80	1.14	0.49	1.00	0.00	3.69	119.47	1.14	0.49	1.00	0.00
3.70	119.00	1.13	0.49	1.00	0.00	3.71	118.62	1.12	0.49	1.00	0.00
3.72	118.44	1.12	0.49	1.00	0.00	3.73	118.54	1.12	0.49	1.00	0.00
3.74	118.74	1.12	0.49	1.00	0.00	3.75	118.41	1.11	0.49	1.00	0.00
3.76	117.57	1.10	0.50	1.00	0.00	3.77	116.28	1.08	0.50	1.00	0.00
3.78	115.07	1.05	0.50	1.00	0.01	3.79	113.94	1.03	0.78	1.00	0.01
3.80	113.01	1.02	0.79	1.00	0.01	3.81	112.10	1.00	0.79	1.00	0.01
3.82	111.29	0.99	0.80	1.00	0.01	3.83	110.55	0.98	0.80	1.00	0.01
3.84	110.03	0.97	0.81	1.00	0.01	3.85	109.52	0.96	0.81	1.00	0.01
3.86	109.02	0.95	0.82	1.00	0.01	3.87	108.78	0.95	1.38	1.00	0.01
3.88	108.82	0.95	1.38	1.00	0.01	3.89	108.98	0.95	1.38	1.00	0.01
3.90	109.04	0.95	0.82	1.00	0.01	3.91	104.27	0.88	1.47	1.00	0.01
3.92	100.21	0.82	2.03	1.00	0.02	3.93	96.89	0.78	2.13	1.00	0.02
3.94	98.88	0.80	2.07	1.00	0.02	3.95	100.30	0.82	2.02	1.00	0.02
3.96	101.05	0.83	2.00	1.00	0.02	3.97	101.71	0.84	1.98	1.00	0.02
3.98	102.40	0.85	1.51	1.00	0.02	3.99	103.30	0.86	1.49	1.00	0.01
4.00	104.17	0.88	1.48	1.00	0.01	4.01	104.86	0.88	1.46	1.00	0.01
4.02	105.43	0.89	1.45	1.00	0.01	4.03	106.15	0.90	1.44	1.00	0.01
4.04	107.04	0.92	1.42	1.00	0.01	4.05	107.85	0.93	1.40	1.00	0.01
4.06	108.37	0.94	1.39	1.00	0.01	4.07	108.52	0.94	1.39	1.00	0.01
4.08	108.19	0.93	1.40	1.00	0.01	4.09	107.62	0.92	1.41	1.00	0.01
4.10	106.98	0.91	1.42	1.00	0.01	4.11	106.50	0.91	1.43	1.00	0.01
4.12	106.23	0.90	1.43	1.00	0.01	4.13	106.22	0.90	1.43	1.00	0.01
4.14	106.60	0.91	1.43	1.00	0.01	4.15	106.98	0.91	1.42	1.00	0.01
4.16	107.19	0.92	1.41	1.00	0.01	4.17	106.95	0.91	1.42	1.00	0.01
4.18	106.53	0.91	1.43	1.00	0.01	4.19	105.72	0.89	1.44	1.00	0.01
4.20	104.78	0.88	1.46	1.00	0.01	4.21	103.64	0.86	1.49	1.00	0.01
4.22	102.56	0.85	1.96	1.00	0.02	4.23	101.43	0.83	1.99	1.00	0.02
4.24	99.87	0.81	2.04	1.00	0.02	4.25	98.31	0.79	2.08	1.00	0.02
4.26	96.76	0.77	2.13	1.00	0.02	4.27	95.68	0.76	2.17	1.00	0.02
4.28	94.62	0.75	2.45	1.00	0.02	4.29	93.53	0.73	2.47	1.00	0.02
4.30	91.75	0.71	2.51	1.00	0.03	4.31	89.95	0.69	2.55	1.00	0.03
4.32	88.33	0.68	2.59	1.00	0.03	4.33	87.71	0.67	2.60	1.00	0.03

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.34	87.85	0.67	2.60	1.00	0.03	4.35	88.94	0.68	2.57	1.00	0.03
4.36	91.25	0.71	2.52	1.00	0.03	4.37	94.17	0.74	2.45	1.00	0.02
4.38	98.21	0.79	2.09	1.00	0.02	4.39	101.74	0.83	1.98	1.00	0.02
4.40	104.30	0.87	1.47	1.00	0.01	4.41	105.42	0.89	1.45	1.00	0.01
4.42	106.28	0.90	1.43	1.00	0.01	4.43	106.98	0.91	1.42	1.00	0.01
4.44	107.55	0.92	1.41	1.00	0.01	4.45	107.35	0.91	1.41	1.00	0.01
4.46	106.53	0.90	1.43	1.00	0.01	4.47	105.47	0.89	1.45	1.00	0.01
4.48	104.39	0.87	1.47	1.00	0.01	4.49	103.80	0.86	1.48	1.00	0.01
4.50	103.49	0.86	1.49	1.00	0.01	4.51	103.38	0.86	1.49	1.00	0.01
4.52	101.40	0.83	1.99	1.00	0.02	4.53	98.51	0.79	2.08	1.00	0.02
4.54	95.25	0.75	2.18	1.00	0.02	4.55	93.99	0.74	2.46	1.00	0.02
4.56	93.50	0.73	2.47	1.00	0.02	4.57	93.38	0.73	2.47	1.00	0.02
4.58	93.29	0.73	2.47	1.00	0.02	4.59	93.35	0.73	2.47	1.00	0.02
4.60	93.36	0.73	2.47	1.00	0.02	4.61	93.29	0.73	2.47	1.00	0.02
4.62	93.14	0.72	2.48	1.00	0.02	4.63	92.95	0.72	2.48	1.00	0.02
4.64	92.91	0.72	2.48	1.00	0.02	4.65	93.00	0.72	2.48	1.00	0.02
4.66	93.31	0.73	2.47	1.00	0.02	4.67	93.80	0.73	2.46	1.00	0.02
4.68	94.37	0.74	2.45	1.00	0.02	4.69	94.93	0.74	2.44	1.00	0.02
4.70	95.09	0.75	2.44	1.00	0.02	4.71	94.80	0.74	2.44	1.00	0.02
4.72	94.03	0.73	2.46	1.00	0.02	4.73	92.89	0.72	2.48	1.00	0.02
4.74	91.72	0.71	2.51	1.00	0.03	4.75	90.48	0.69	2.54	1.00	0.03
4.76	89.37	0.68	2.56	1.00	0.03	4.77	88.26	0.67	2.59	1.00	0.03
4.78	87.26	0.66	2.61	1.00	0.03	4.79	86.34	0.65	2.64	1.00	0.03
4.80	85.64	0.64	2.65	1.00	0.03	4.81	85.11	0.64	2.67	1.00	0.03
4.82	84.75	0.64	2.68	1.00	0.03	4.83	84.37	0.63	2.69	1.00	0.03
4.84	83.99	0.63	2.70	1.00	0.03	4.85	83.66	0.63	2.70	1.00	0.03
4.86	83.35	0.62	2.71	1.00	0.03	4.87	82.75	0.62	2.73	1.00	0.03
4.88	81.89	0.61	2.75	1.00	0.03	4.89	81.13	0.60	2.77	1.00	0.03
4.90	80.76	0.60	2.78	1.00	0.03	4.91	76.31	0.56	2.92	1.00	0.03
4.92	72.01	0.53	3.06	1.00	0.03	4.93	55.38	0.44	3.79	1.00	0.04
4.94	55.25	0.44	3.80	1.00	0.04	4.95	69.02	0.51	3.17	1.00	0.03
4.96	69.55	0.52	3.15	1.00	0.03	4.97	69.83	0.52	3.14	1.00	0.03
4.98	70.00	0.52	3.13	1.00	0.03	4.99	70.02	0.52	3.13	1.00	0.03
5.00	69.52	0.52	3.15	1.00	0.03	5.01	68.84	0.51	3.17	1.00	0.03
5.02	68.27	0.51	3.20	1.00	0.03	5.03	68.04	0.51	3.20	1.00	0.03
5.04	68.14	0.51	3.20	1.00	0.03	5.05	68.80	0.51	3.18	1.00	0.03
5.06	69.75	0.52	3.14	1.00	0.03	5.07	70.81	0.52	3.10	1.00	0.03
5.08	71.55	0.53	3.07	1.00	0.03	5.09	72.32	0.53	3.05	1.00	0.03
5.10	73.26	0.54	3.02	1.00	0.03	5.11	74.92	0.55	2.96	1.00	0.03
5.12	77.09	0.57	2.89	1.00	0.03	5.13	79.29	0.58	2.83	1.00	0.03
5.14	80.63	0.60	2.79	1.00	0.03	5.15	81.34	0.60	2.77	1.00	0.03
5.16	81.69	0.60	2.76	1.00	0.03	5.17	80.68	0.60	2.79	1.00	0.03
5.18	78.87	0.58	2.84	1.00	0.03	5.19	75.63	0.56	2.94	1.00	0.03
5.20	73.01	0.54	3.02	1.00	0.03	5.21	70.98	0.52	3.09	1.00	0.03
5.22	70.17	0.52	3.12	1.00	0.03	5.23	69.23	0.51	3.16	1.00	0.03
5.24	68.27	0.51	3.20	1.00	0.03	5.25	67.26	0.50	3.23	1.00	0.03
5.26	66.65	0.50	3.26	1.00	0.03	5.27	66.07	0.49	3.28	1.00	0.03
5.28	65.65	0.49	3.30	1.00	0.03	5.29	65.19	0.49	3.32	1.00	0.03

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.30	64.83	0.49	3.33	1.00	0.03	5.31	64.35	0.48	3.35	1.00	0.03
5.32	63.53	0.48	3.39	1.00	0.03	5.33	62.51	0.47	3.43	1.00	0.03
5.34	61.36	0.47	3.49	1.00	0.03	5.35	60.22	0.46	3.54	1.00	0.04
5.36	58.45	0.45	3.63	1.00	0.04	5.37	56.67	0.45	3.72	1.00	0.04
5.38	55.11	0.44	3.81	1.00	0.04	5.39	55.01	0.44	3.81	1.00	0.04
5.40	56.33	0.44	3.74	1.00	0.04	5.41	59.29	0.46	3.59	1.00	0.04
5.42	63.09	0.48	3.41	1.00	0.03	5.43	68.71	0.51	3.18	1.00	0.03
5.44	74.05	0.54	2.99	1.00	0.03	5.45	78.53	0.57	2.85	1.00	0.03
5.46	80.18	0.59	2.80	1.00	0.03	5.47	80.41	0.59	2.79	1.00	0.03
5.48	79.22	0.58	2.83	1.00	0.03	5.49	77.51	0.57	2.88	1.00	0.03
5.50	74.52	0.54	2.97	1.00	0.03	5.51	71.39	0.52	3.08	1.00	0.03
5.52	68.19	0.50	3.20	1.00	0.03	5.53	66.00	0.49	3.29	1.00	0.03
5.54	64.54	0.48	3.35	1.00	0.03	5.55	63.61	0.48	3.39	1.00	0.03
5.56	62.74	0.47	3.42	1.00	0.03	5.57	61.24	0.46	3.49	1.00	0.03
5.58	59.74	0.46	3.56	1.00	0.04	5.59	44.55	0.40	4.54	1.00	0.05
5.60	45.22	0.40	4.48	1.00	0.04	5.61	45.50	0.40	4.46	1.00	0.04
5.62	45.19	0.40	4.48	1.00	0.04	5.63	43.72	0.40	4.60	1.00	0.05
5.64	41.83	0.39	4.78	1.00	0.05	5.65	39.73	0.38	4.98	1.00	0.05
5.66	38.23	0.37	5.14	1.00	0.05	5.67	36.91	0.37	5.29	1.00	0.05
5.68	54.23	0.43	3.86	1.00	0.04	5.69	54.43	0.43	3.85	1.00	0.04
5.70	55.06	0.44	3.81	1.00	0.04	5.71	55.90	0.44	3.76	1.00	0.04
5.72	56.95	0.44	3.71	1.00	0.04	5.73	58.37	0.45	3.63	1.00	0.04
5.74	60.97	0.46	3.51	1.00	0.04	5.75	66.08	0.49	3.28	1.00	0.03
5.76	71.62	0.52	3.07	1.00	0.03	5.77	77.26	0.56	2.89	1.00	0.03
5.78	80.60	0.59	2.79	1.00	0.03	5.79	82.55	0.60	2.73	1.00	0.03
5.80	82.63	0.60	2.73	1.00	0.03	5.81	82.20	0.60	2.74	1.00	0.03
5.82	81.87	0.60	2.75	1.00	0.03	5.83	82.41	0.60	2.74	1.00	0.03
5.84	84.50	0.62	2.68	1.00	0.03	5.85	87.52	0.65	2.61	1.00	0.03
5.86	91.13	2.00	0.00	1.00	0.00	5.87	93.85	2.00	0.00	1.00	0.00
5.88	95.89	2.00	0.00	1.00	0.00	5.89	96.88	2.00	0.00	1.00	0.00
5.90	97.22	2.00	0.00	1.00	0.00	5.91	89.26	2.00	0.00	1.00	0.00
5.92	81.70	2.00	0.00	1.00	0.00	5.93	74.92	0.54	2.96	1.00	0.03
5.94	79.57	2.00	0.00	1.00	0.00	5.95	84.96	2.00	0.00	1.00	0.00
5.96	90.20	2.00	0.00	1.00	0.00	5.97	92.59	2.00	0.00	1.00	0.00
5.98	90.61	0.68	2.53	1.00	0.03	5.99	87.29	0.65	2.61	1.00	0.03
6.00	84.78	0.62	2.68	1.00	0.03	6.01	84.15	0.62	2.69	1.00	0.03
6.02	83.34	0.61	2.71	1.00	0.03	6.03	80.76	0.59	2.78	1.00	0.03
6.04	77.59	0.56	2.88	1.00	0.03	6.05	73.73	0.53	3.00	1.00	0.03
6.06	70.35	0.51	3.12	1.00	0.03	6.07	66.82	0.49	3.25	1.00	0.03
6.08	49.79	0.42	4.14	1.00	0.04	6.09	47.44	0.41	4.31	1.00	0.04
6.10	45.00	0.40	4.50	1.00	0.04	6.11	42.95	0.39	4.67	1.00	0.05
6.12	41.25	0.38	4.83	1.00	0.05	6.13	40.26	0.38	4.93	1.00	0.05
6.14	39.33	0.38	5.02	1.00	0.05	6.15	38.38	0.37	5.12	1.00	0.05
6.16	37.25	0.37	5.25	1.00	0.05	6.17	35.92	0.36	5.41	1.00	0.05
6.18	34.37	0.36	5.61	1.00	0.06	6.19	32.85	0.35	5.80	1.00	0.06
6.20	31.34	0.35	5.80	1.00	0.06	6.21	50.97	0.42	4.06	1.00	0.04
6.22	52.35	0.42	3.97	1.00	0.04	6.23	52.84	0.43	3.94	1.00	0.04
6.24	53.47	0.43	3.90	1.00	0.04	6.25	55.51	0.44	3.79	1.00	0.04

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.26	59.73	0.45	3.57	1.00	0.04	6.27	65.17	0.48	3.32	1.00	0.03
6.28	70.71	2.00	0.00	1.00	0.00	6.29	74.95	2.00	0.00	1.00	0.00
6.30	76.61	0.55	2.91	1.00	0.03	6.31	76.36	0.55	2.92	1.00	0.03
6.32	75.72	0.55	2.94	1.00	0.03	6.33	75.09	0.54	2.96	1.00	0.03
6.34	75.39	0.54	2.95	1.00	0.03	6.35	75.84	0.55	2.93	1.00	0.03
6.36	75.90	0.55	2.93	1.00	0.03	6.37	73.17	0.53	3.02	1.00	0.03
6.38	71.02	0.51	3.09	1.00	0.03	6.39	70.46	0.51	3.11	1.00	0.03
6.40	71.23	0.51	3.09	1.00	0.03	6.41	72.48	0.52	3.04	1.00	0.03
6.42	63.53	0.47	3.39	1.00	0.03	6.43	69.41	0.50	3.15	1.00	0.03
6.44	74.96	0.54	2.96	1.00	0.03	6.45	80.32	0.58	2.80	1.00	0.03
6.46	84.22	0.61	2.69	1.00	0.03	6.47	87.65	0.65	2.60	1.00	0.03
6.48	90.91	0.68	2.53	1.00	0.03	6.49	93.10	0.70	2.48	1.00	0.02
6.50	94.37	0.72	2.45	1.00	0.02	6.51	94.60	0.72	2.45	1.00	0.02
6.52	94.42	0.72	2.45	1.00	0.02	6.53	93.83	0.71	2.46	1.00	0.02
6.54	92.58	0.70	2.49	1.00	0.02	6.55	91.39	0.68	2.52	1.00	0.03
6.56	90.11	0.67	2.55	1.00	0.03	6.57	89.08	0.66	2.57	1.00	0.03
6.58	88.15	0.65	2.59	1.00	0.03	6.59	87.28	0.64	2.61	1.00	0.03
6.60	86.42	0.63	2.63	1.00	0.03	6.61	85.63	0.63	2.65	1.00	0.03
6.62	84.91	0.62	2.67	1.00	0.03	6.63	84.23	0.61	2.69	1.00	0.03
6.64	83.25	0.60	2.72	1.00	0.03	6.65	81.31	0.59	2.77	1.00	0.03
6.66	79.26	0.57	2.83	1.00	0.03	6.67	77.44	0.56	2.88	1.00	0.03
6.68	76.70	0.55	2.90	1.00	0.03	6.69	76.40	0.55	2.91	1.00	0.03
6.70	76.41	0.55	2.91	1.00	0.03	6.71	76.71	0.55	2.90	1.00	0.03
6.72	77.08	0.55	2.89	1.00	0.03	6.73	77.43	0.56	2.88	1.00	0.03
6.74	77.48	0.56	2.88	1.00	0.03	6.75	77.22	0.56	2.89	1.00	0.03
6.76	76.84	0.55	2.90	1.00	0.03	6.77	76.50	0.55	2.91	1.00	0.03
6.78	76.38	0.55	2.91	1.00	0.03	6.79	76.27	0.55	2.92	1.00	0.03
6.80	76.12	0.55	2.92	1.00	0.03	6.81	75.66	0.54	2.94	1.00	0.03
6.82	74.26	0.53	2.98	1.00	0.03	6.83	72.20	0.52	3.05	1.00	0.03
6.84	69.58	0.50	3.15	1.00	0.03	6.85	67.01	0.49	3.24	1.00	0.03
6.86	64.27	0.47	3.36	1.00	0.03	6.87	61.58	0.46	3.48	1.00	0.03
6.88	72.79	0.52	3.03	1.00	0.03	6.89	72.47	0.52	3.04	1.00	0.03
6.90	72.39	0.52	3.05	1.00	0.03	6.91	69.54	0.50	3.15	1.00	0.03
6.92	67.07	0.49	3.24	1.00	0.03	6.93	50.38	0.42	4.10	1.00	0.04
6.94	66.29	0.48	3.27	1.00	0.03	6.95	67.57	0.49	3.22	1.00	0.03
6.96	68.81	0.50	3.17	1.00	0.03	6.97	69.99	0.51	3.13	1.00	0.03
6.98	71.57	0.52	3.07	1.00	0.03	6.99	73.28	0.53	3.02	1.00	0.03
7.00	75.19	0.54	2.95	1.00	0.03	7.01	76.35	0.55	2.92	1.00	0.03
7.02	75.96	0.55	2.93	1.00	0.03	7.03	74.36	0.53	2.98	1.00	0.03
7.04	72.08	0.52	3.06	1.00	0.03	7.05	70.59	0.51	3.11	1.00	0.03
7.06	55.23	0.43	3.80	1.00	0.04	7.07	54.90	0.43	3.82	1.00	0.04
7.08	54.40	0.43	3.85	1.00	0.04	7.09	54.35	0.43	3.85	1.00	0.04
7.10	54.75	0.43	3.83	1.00	0.04	7.11	55.55	0.43	3.78	1.00	0.04
7.12	56.29	0.44	3.74	1.00	0.04	7.13	56.85	0.44	3.71	1.00	0.04
7.14	57.45	0.44	3.68	1.00	0.04	7.15	58.04	0.44	3.65	1.00	0.04
7.16	58.77	0.45	3.61	1.00	0.04	7.17	59.27	0.45	3.59	1.00	0.04
7.18	59.69	0.45	3.57	1.00	0.04	7.19	59.59	0.45	3.57	1.00	0.04
7.20	59.04	0.45	3.60	1.00	0.04	7.21	58.08	0.44	3.65	1.00	0.04

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.22	57.10	0.44	3.70	1.00	0.04	7.23	55.47	0.43	3.79	1.00	0.04
7.24	53.42	0.42	3.91	1.00	0.04	7.25	50.94	0.42	4.06	1.00	0.04
7.26	48.64	0.41	4.22	1.00	0.04	7.27	45.45	0.40	4.46	1.00	0.04
7.28	42.37	0.38	4.73	1.00	0.05	7.29	39.67	0.37	4.99	1.00	0.05
7.30	38.26	0.37	5.14	1.00	0.05	7.31	37.13	0.36	5.27	1.00	0.05
7.32	35.93	0.36	5.41	1.00	0.05	7.33	34.90	0.36	5.54	1.00	0.06
7.34	53.87	0.43	3.88	1.00	0.04	7.35	55.19	0.43	3.80	1.00	0.04
7.36	57.16	0.44	3.70	1.00	0.04	7.37	58.84	0.45	3.61	1.00	0.04
7.38	60.59	0.45	3.52	1.00	0.04	7.39	61.52	0.46	3.48	1.00	0.03
7.40	63.33	0.47	3.40	1.00	0.03	7.41	65.67	0.48	3.30	1.00	0.03
7.42	68.74	0.50	3.18	1.00	0.03	7.43	71.68	0.51	3.07	1.00	0.03
7.44	74.24	0.53	2.98	1.00	0.03	7.45	77.28	0.55	2.89	1.00	0.03
7.46	80.66	0.58	2.79	1.00	0.03	7.47	84.97	0.62	2.67	1.00	0.03
7.48	88.94	2.00	0.00	1.00	0.00	7.49	92.15	2.00	0.00	1.00	0.00
7.50	94.19	0.71	2.45	1.00	0.02	7.51	94.66	0.72	2.44	1.00	0.02
7.52	94.25	0.71	2.45	1.00	0.02	7.53	92.72	0.69	2.49	1.00	0.02
7.54	91.29	0.68	2.52	1.00	0.03	7.55	90.02	0.67	2.55	1.00	0.03
7.56	89.15	0.66	2.57	1.00	0.03	7.57	88.17	0.65	2.59	1.00	0.03
7.58	86.25	0.63	2.64	1.00	0.03	7.59	84.30	0.61	2.69	1.00	0.03
7.60	82.43	0.60	2.74	1.00	0.03	7.61	81.16	0.58	2.77	1.00	0.03
7.62	78.70	0.57	2.84	1.00	0.03	7.63	76.61	0.55	2.91	1.00	0.03
7.64	75.33	0.54	2.95	1.00	0.03	7.65	75.79	0.54	2.93	1.00	0.03
7.66	76.46	0.55	2.91	1.00	0.03	7.67	77.26	0.55	2.89	1.00	0.03
7.68	77.71	0.56	2.87	1.00	0.03	7.69	78.10	0.56	2.86	1.00	0.03
7.70	77.74	0.56	2.87	1.00	0.03	7.71	76.95	0.55	2.90	1.00	0.03
7.72	76.28	0.55	2.92	1.00	0.03	7.73	75.55	0.54	2.94	1.00	0.03
7.74	74.83	0.54	2.96	1.00	0.03	7.75	73.26	0.53	3.02	1.00	0.03
7.76	72.66	0.52	3.04	1.00	0.03	7.77	73.40	2.00	0.00	1.00	0.00
7.78	76.28	2.00	0.00	1.00	0.00	7.79	80.49	2.00	0.00	1.00	0.00
7.80	84.21	2.00	0.00	1.00	0.00	7.81	87.34	2.00	0.00	1.00	0.00
7.82	88.87	2.00	0.00	1.00	0.00	7.83	90.24	2.00	0.00	1.00	0.00
7.84	92.03	2.00	0.00	1.00	0.00	7.85	93.92	2.00	0.00	1.00	0.00
7.86	95.20	2.00	0.00	1.00	0.00	7.87	95.66	2.00	0.00	1.00	0.00
7.88	95.70	2.00	0.00	1.00	0.00	7.89	95.63	2.00	0.00	1.00	0.00
7.90	95.55	2.00	0.00	1.00	0.00	7.91	93.39	2.00	0.00	1.00	0.00
7.92	90.36	2.00	0.00	1.00	0.00	7.93	87.36	2.00	0.00	1.00	0.00
7.94	86.91	2.00	0.00	1.00	0.00	7.95	87.32	2.00	0.00	1.00	0.00
7.96	87.24	2.00	0.00	1.00	0.00	7.97	87.01	2.00	0.00	1.00	0.00
7.98	86.80	2.00	0.00	1.00	0.00	7.99	86.71	2.00	0.00	1.00	0.00
8.00	85.98	2.00	0.00	1.00	0.00	8.01	84.85	2.00	0.00	1.00	0.00
8.02	83.72	2.00	0.00	1.00	0.00	8.03	83.15	2.00	0.00	1.00	0.00
8.04	82.96	2.00	0.00	1.00	0.00	8.05	82.03	2.00	0.00	1.00	0.00
8.06	80.72	2.00	0.00	1.00	0.00	8.07	79.30	2.00	0.00	1.00	0.00
8.08	78.81	2.00	0.00	1.00	0.00	8.09	78.56	2.00	0.00	1.00	0.00
8.10	78.62	2.00	0.00	1.00	0.00	8.11	78.85	2.00	0.00	1.00	0.00
8.12	79.26	2.00	0.00	1.00	0.00	8.13	79.58	2.00	0.00	1.00	0.00
8.14	79.66	2.00	0.00	1.00	0.00	8.15	78.99	2.00	0.00	1.00	0.00
8.16	77.67	2.00	0.00	1.00	0.00	8.17	75.76	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.18	73.87	2.00	0.00	1.00	0.00	8.19	72.07	2.00	0.00	1.00	0.00
8.20	70.16	2.00	0.00	1.00	0.00	8.21	68.37	2.00	0.00	1.00	0.00
8.22	66.54	2.00	0.00	1.00	0.00	8.23	65.04	2.00	0.00	1.00	0.00
8.24	63.45	2.00	0.00	1.00	0.00	8.25	62.29	2.00	0.00	1.00	0.00
8.26	61.69	2.00	0.00	1.00	0.00	8.27	61.76	2.00	0.00	1.00	0.00
8.28	61.79	2.00	0.00	1.00	0.00	8.29	61.87	2.00	0.00	1.00	0.00
8.30	61.91	2.00	0.00	1.00	0.00	8.31	61.92	2.00	0.00	1.00	0.00
8.32	61.80	2.00	0.00	1.00	0.00	8.33	61.82	2.00	0.00	1.00	0.00
8.34	62.17	2.00	0.00	1.00	0.00	8.35	62.61	2.00	0.00	1.00	0.00
8.36	62.90	2.00	0.00	1.00	0.00	8.37	62.90	2.00	0.00	1.00	0.00
8.38	62.79	2.00	0.00	1.00	0.00	8.39	62.61	2.00	0.00	1.00	0.00
8.40	62.28	2.00	0.00	1.00	0.00	8.41	61.63	2.00	0.00	1.00	0.00
8.42	60.83	2.00	0.00	1.00	0.00	8.43	60.38	2.00	0.00	1.00	0.00
8.44	60.55	2.00	0.00	1.00	0.00	8.45	61.34	2.00	0.00	1.00	0.00
8.46	62.38	2.00	0.00	1.00	0.00	8.47	63.27	2.00	0.00	1.00	0.00
8.48	63.88	2.00	0.00	1.00	0.00	8.49	64.05	2.00	0.00	1.00	0.00
8.50	64.08	2.00	0.00	1.00	0.00	8.51	63.93	2.00	0.00	1.00	0.00
8.52	63.61	2.00	0.00	1.00	0.00	8.53	63.28	2.00	0.00	1.00	0.00
8.54	63.21	2.00	0.00	1.00	0.00	8.55	63.41	2.00	0.00	1.00	0.00
8.56	63.41	2.00	0.00	1.00	0.00	8.57	62.70	2.00	0.00	1.00	0.00
8.58	61.79	2.00	0.00	1.00	0.00	8.59	61.42	2.00	0.00	1.00	0.00
8.60	62.09	2.00	0.00	1.00	0.00	8.61	64.56	2.00	0.00	1.00	0.00
8.62	67.77	2.00	0.00	1.00	0.00	8.63	71.56	2.00	0.00	1.00	0.00
8.64	74.91	2.00	0.00	1.00	0.00	8.65	78.08	2.00	0.00	1.00	0.00
8.66	81.25	2.00	0.00	1.00	0.00	8.67	83.40	2.00	0.00	1.00	0.00
8.68	84.84	2.00	0.00	1.00	0.00	8.69	85.28	2.00	0.00	1.00	0.00
8.70	85.73	2.00	0.00	1.00	0.00	8.71	86.01	2.00	0.00	1.00	0.00
8.72	85.86	2.00	0.00	1.00	0.00	8.73	85.38	2.00	0.00	1.00	0.00
8.74	84.18	2.00	0.00	1.00	0.00	8.75	82.66	2.00	0.00	1.00	0.00
8.76	80.74	2.00	0.00	1.00	0.00	8.77	78.97	2.00	0.00	1.00	0.00
8.78	76.57	2.00	0.00	1.00	0.00	8.79	74.25	2.00	0.00	1.00	0.00
8.80	71.93	2.00	0.00	1.00	0.00	8.81	70.53	2.00	0.00	1.00	0.00
8.82	69.45	2.00	0.00	1.00	0.00	8.83	68.92	2.00	0.00	1.00	0.00
8.84	69.35	2.00	0.00	1.00	0.00	8.85	70.25	2.00	0.00	1.00	0.00
8.86	71.36	2.00	0.00	1.00	0.00	8.87	72.16	2.00	0.00	1.00	0.00
8.88	72.89	2.00	0.00	1.00	0.00	8.89	73.32	2.00	0.00	1.00	0.00
8.90	73.50	2.00	0.00	1.00	0.00	8.91	73.74	2.00	0.00	1.00	0.00
8.92	74.57	2.00	0.00	1.00	0.00	8.93	76.08	2.00	0.00	1.00	0.00
8.94	77.92	2.00	0.00	1.00	0.00	8.95	80.44	2.00	0.00	1.00	0.00
8.96	82.63	2.00	0.00	1.00	0.00	8.97	84.29	2.00	0.00	1.00	0.00
8.98	84.68	2.00	0.00	1.00	0.00	8.99	84.50	2.00	0.00	1.00	0.00
9.00	84.25	2.00	0.00	1.00	0.00	9.01	84.26	2.00	0.00	1.00	0.00
9.02	85.02	2.00	0.00	1.00	0.00	9.03	85.65	2.00	0.00	1.00	0.00
9.04	85.66	2.00	0.00	1.00	0.00	9.05	84.66	2.00	0.00	1.00	0.00
9.06	83.23	2.00	0.00	1.00	0.00	9.07	81.51	2.00	0.00	1.00	0.00
9.08	80.31	2.00	0.00	1.00	0.00	9.09	79.99	2.00	0.00	1.00	0.00
9.10	80.69	2.00	0.00	1.00	0.00	9.11	82.20	2.00	0.00	1.00	0.00
9.12	83.65	2.00	0.00	1.00	0.00	9.13	85.02	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.14	85.73	2.00	0.00	1.00	0.00	9.15	86.18	2.00	0.00	1.00	0.00
9.16	86.29	2.00	0.00	1.00	0.00	9.17	86.15	2.00	0.00	1.00	0.00
9.18	85.74	2.00	0.00	1.00	0.00	9.19	85.17	2.00	0.00	1.00	0.00
9.20	84.16	2.00	0.00	1.00	0.00	9.21	82.63	2.00	0.00	1.00	0.00
9.22	80.64	2.00	0.00	1.00	0.00	9.23	77.99	2.00	0.00	1.00	0.00
9.24	75.90	2.00	0.00	1.00	0.00	9.25	74.81	2.00	0.00	1.00	0.00
9.26	75.55	2.00	0.00	1.00	0.00	9.27	77.50	2.00	0.00	1.00	0.00
9.28	79.53	2.00	0.00	1.00	0.00	9.29	80.91	2.00	0.00	1.00	0.00
9.30	81.12	2.00	0.00	1.00	0.00	9.31	81.05	2.00	0.00	1.00	0.00
9.32	82.16	2.00	0.00	1.00	0.00	9.33	84.08	2.00	0.00	1.00	0.00
9.34	86.58	2.00	0.00	1.00	0.00	9.35	88.77	2.00	0.00	1.00	0.00
9.36	90.71	2.00	0.00	1.00	0.00	9.37	92.29	2.00	0.00	1.00	0.00
9.38	93.11	2.00	0.00	1.00	0.00	9.39	93.20	2.00	0.00	1.00	0.00
9.40	92.92	2.00	0.00	1.00	0.00	9.41	92.39	2.00	0.00	1.00	0.00
9.42	91.71	2.00	0.00	1.00	0.00	9.43	90.77	2.00	0.00	1.00	0.00
9.44	89.66	2.00	0.00	1.00	0.00	9.45	88.56	2.00	0.00	1.00	0.00
9.46	87.11	2.00	0.00	1.00	0.00	9.47	85.45	2.00	0.00	1.00	0.00
9.48	83.57	2.00	0.00	1.00	0.00	9.49	81.43	2.00	0.00	1.00	0.00
9.50	78.98	2.00	0.00	1.00	0.00	9.51	76.42	2.00	0.00	1.00	0.00
9.52	74.71	2.00	0.00	1.00	0.00	9.53	74.13	2.00	0.00	1.00	0.00
9.54	74.22	2.00	0.00	1.00	0.00	9.55	74.51	2.00	0.00	1.00	0.00
9.56	75.04	2.00	0.00	1.00	0.00	9.57	76.09	2.00	0.00	1.00	0.00
9.58	77.93	2.00	0.00	1.00	0.00	9.59	79.83	2.00	0.00	1.00	0.00
9.60	82.12	2.00	0.00	1.00	0.00	9.61	84.10	2.00	0.00	1.00	0.00
9.62	86.59	2.00	0.00	1.00	0.00	9.63	88.76	2.00	0.00	1.00	0.00
9.64	90.68	2.00	0.00	1.00	0.00	9.65	91.85	2.00	0.00	1.00	0.00
9.66	93.29	2.00	0.00	1.00	0.00	9.67	94.70	2.00	0.00	1.00	0.00
9.68	96.13	2.00	0.00	1.00	0.00	9.69	96.93	2.00	0.00	1.00	0.00
9.70	97.23	2.00	0.00	1.00	0.00	9.71	96.98	2.00	0.00	1.00	0.00
9.72	96.15	2.00	0.00	1.00	0.00	9.73	95.34	2.00	0.00	1.00	0.00
9.74	94.68	2.00	0.00	1.00	0.00	9.75	94.27	2.00	0.00	1.00	0.00
9.76	93.78	2.00	0.00	1.00	0.00	9.77	93.47	2.00	0.00	1.00	0.00
9.78	93.52	2.00	0.00	1.00	0.00	9.79	93.54	2.00	0.00	1.00	0.00
9.80	93.49	2.00	0.00	1.00	0.00	9.81	93.50	2.00	0.00	1.00	0.00
9.82	93.80	2.00	0.00	1.00	0.00	9.83	94.23	2.00	0.00	1.00	0.00
9.84	94.90	2.00	0.00	1.00	0.00	9.85	95.60	2.00	0.00	1.00	0.00
9.86	96.32	2.00	0.00	1.00	0.00	9.87	96.67	2.00	0.00	1.00	0.00
9.88	96.77	2.00	0.00	1.00	0.00	9.89	96.70	2.00	0.00	1.00	0.00
9.90	96.57	2.00	0.00	1.00	0.00	9.91	94.61	2.00	0.00	1.00	0.00
9.92	92.56	2.00	0.00	1.00	0.00	9.93	90.56	2.00	0.00	1.00	0.00
9.94	90.67	2.00	0.00	1.00	0.00	9.95	90.73	2.00	0.00	1.00	0.00
9.96	90.68	2.00	0.00	1.00	0.00	9.97	90.54	2.00	0.00	1.00	0.00
9.98	90.59	2.00	0.00	1.00	0.00	9.99	90.78	2.00	0.00	1.00	0.00
10.00	91.35	2.00	0.00	1.00	0.00	10.01	92.07	2.00	0.00	1.00	0.00
10.02	92.72	2.00	0.00	1.00	0.00	10.03	93.04	2.00	0.00	1.00	0.00
10.04	92.99	2.00	0.00	1.00	0.00	10.05	92.87	2.00	0.00	1.00	0.00
10.06	92.77	2.00	0.00	1.00	0.00	10.07	93.13	2.00	0.00	1.00	0.00
10.08	93.54	2.00	0.00	1.00	0.00	10.09	93.76	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.10	93.70	2.00	0.00	1.00	0.00	10.11	93.78	2.00	0.00	1.00	0.00
10.12	94.29	2.00	0.00	1.00	0.00	10.13	95.07	2.00	0.00	1.00	0.00
10.14	95.92	2.00	0.00	1.00	0.00	10.15	96.50	2.00	0.00	1.00	0.00
10.16	97.10	2.00	0.00	1.00	0.00	10.17	97.91	2.00	0.00	1.00	0.00
10.18	98.68	2.00	0.00	1.00	0.00	10.19	99.14	2.00	0.00	1.00	0.00
10.20	99.55	2.00	0.00	1.00	0.00	10.21	100.20	2.00	0.00	1.00	0.00
10.22	101.27	2.00	0.00	1.00	0.00	10.23	102.11	2.00	0.00	1.00	0.00
10.24	102.94	2.00	0.00	1.00	0.00	10.25	103.70	2.00	0.00	1.00	0.00
10.26	104.16	2.00	0.00	1.00	0.00	10.27	104.54	2.00	0.00	1.00	0.00
10.28	104.65	2.00	0.00	1.00	0.00	10.29	104.95	2.00	0.00	1.00	0.00
10.30	105.02	2.00	0.00	1.00	0.00	10.31	104.75	2.00	0.00	1.00	0.00
10.32	104.19	2.00	0.00	1.00	0.00	10.33	103.63	2.00	0.00	1.00	0.00
10.34	103.28	2.00	0.00	1.00	0.00	10.35	103.01	2.00	0.00	1.00	0.00
10.36	102.77	2.00	0.00	1.00	0.00	10.37	102.38	2.00	0.00	1.00	0.00
10.38	101.62	2.00	0.00	1.00	0.00	10.39	100.65	2.00	0.00	1.00	0.00
10.40	99.61	2.00	0.00	1.00	0.00	10.41	98.75	2.00	0.00	1.00	0.00
10.42	98.11	2.00	0.00	1.00	0.00	10.43	97.81	2.00	0.00	1.00	0.00
10.44	97.60	2.00	0.00	1.00	0.00	10.45	97.28	2.00	0.00	1.00	0.00
10.46	96.66	2.00	0.00	1.00	0.00	10.47	95.31	2.00	0.00	1.00	0.00
10.48	93.40	2.00	0.00	1.00	0.00	10.49	91.11	2.00	0.00	1.00	0.00
10.50	89.23	2.00	0.00	1.00	0.00	10.51	87.21	2.00	0.00	1.00	0.00
10.52	85.53	2.00	0.00	1.00	0.00	10.53	84.28	2.00	0.00	1.00	0.00
10.54	83.86	2.00	0.00	1.00	0.00	10.55	83.59	2.00	0.00	1.00	0.00
10.56	83.20	2.00	0.00	1.00	0.00	10.57	82.84	2.00	0.00	1.00	0.00
10.58	82.63	2.00	0.00	1.00	0.00	10.59	82.63	2.00	0.00	1.00	0.00
10.60	82.83	2.00	0.00	1.00	0.00	10.61	83.55	2.00	0.00	1.00	0.00
10.62	84.58	2.00	0.00	1.00	0.00	10.63	85.75	2.00	0.00	1.00	0.00
10.64	87.07	2.00	0.00	1.00	0.00	10.65	88.37	2.00	0.00	1.00	0.00
10.66	89.61	2.00	0.00	1.00	0.00	10.67	90.33	2.00	0.00	1.00	0.00
10.68	90.81	2.00	0.00	1.00	0.00	10.69	91.02	2.00	0.00	1.00	0.00
10.70	91.19	2.00	0.00	1.00	0.00	10.71	91.40	2.00	0.00	1.00	0.00
10.72	91.65	2.00	0.00	1.00	0.00	10.73	92.28	2.00	0.00	1.00	0.00
10.74	92.87	2.00	0.00	1.00	0.00	10.75	93.31	2.00	0.00	1.00	0.00
10.76	93.18	2.00	0.00	1.00	0.00	10.77	92.82	2.00	0.00	1.00	0.00
10.78	92.36	2.00	0.00	1.00	0.00	10.79	91.61	2.00	0.00	1.00	0.00
10.80	90.79	2.00	0.00	1.00	0.00	10.81	89.91	2.00	0.00	1.00	0.00
10.82	89.21	2.00	0.00	1.00	0.00	10.83	88.53	2.00	0.00	1.00	0.00
10.84	87.52	2.00	0.00	1.00	0.00	10.85	86.38	2.00	0.00	1.00	0.00
10.86	85.09	2.00	0.00	1.00	0.00	10.87	83.62	2.00	0.00	1.00	0.00
10.88	82.26	2.00	0.00	1.00	0.00	10.89	81.22	2.00	0.00	1.00	0.00
10.90	80.94	2.00	0.00	1.00	0.00	10.91	77.92	2.00	0.00	1.00	0.00
10.92	74.70	2.00	0.00	1.00	0.00	10.93	71.41	2.00	0.00	1.00	0.00
10.94	71.79	2.00	0.00	1.00	0.00	10.95	72.33	2.00	0.00	1.00	0.00
10.96	72.80	2.00	0.00	1.00	0.00	10.97	73.39	2.00	0.00	1.00	0.00
10.98	73.95	2.00	0.00	1.00	0.00	10.99	74.53	2.00	0.00	1.00	0.00
11.00	75.51	2.00	0.00	1.00	0.00	11.01	76.53	2.00	0.00	1.00	0.00
11.02	77.44	2.00	0.00	1.00	0.00	11.03	77.81	2.00	0.00	1.00	0.00
11.04	78.13	2.00	0.00	1.00	0.00	11.05	78.50	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.06	78.70	2.00	0.00	1.00	0.00	11.07	78.63	2.00	0.00	1.00	0.00
11.08	78.23	2.00	0.00	1.00	0.00	11.09	77.67	2.00	0.00	1.00	0.00
11.10	77.34	2.00	0.00	1.00	0.00	11.11	77.30	2.00	0.00	1.00	0.00
11.12	77.45	2.00	0.00	1.00	0.00	11.13	76.98	2.00	0.00	1.00	0.00
11.14	75.98	2.00	0.00	1.00	0.00	11.15	74.67	2.00	0.00	1.00	0.00
11.16	73.58	2.00	0.00	1.00	0.00	11.17	72.51	2.00	0.00	1.00	0.00
11.18	71.26	2.00	0.00	1.00	0.00	11.19	69.36	2.00	0.00	1.00	0.00
11.20	67.56	2.00	0.00	1.00	0.00	11.21	66.19	2.00	0.00	1.00	0.00
11.22	65.67	2.00	0.00	1.00	0.00	11.23	65.13	2.00	0.00	1.00	0.00
11.24	64.24	2.00	0.00	1.00	0.00	11.25	63.41	2.00	0.00	1.00	0.00
11.26	63.13	2.00	0.00	1.00	0.00	11.27	63.27	2.00	0.00	1.00	0.00
11.28	63.52	2.00	0.00	1.00	0.00	11.29	63.43	2.00	0.00	1.00	0.00
11.30	63.48	2.00	0.00	1.00	0.00	11.31	64.23	2.00	0.00	1.00	0.00
11.32	67.47	2.00	0.00	1.00	0.00	11.33	71.44	2.00	0.00	1.00	0.00
11.34	75.49	2.00	0.00	1.00	0.00	11.35	78.26	2.00	0.00	1.00	0.00
11.36	80.19	2.00	0.00	1.00	0.00	11.37	81.53	2.00	0.00	1.00	0.00
11.38	82.85	2.00	0.00	1.00	0.00	11.39	84.19	2.00	0.00	1.00	0.00
11.40	85.32	2.00	0.00	1.00	0.00	11.41	86.43	2.00	0.00	1.00	0.00
11.42	87.62	2.00	0.00	1.00	0.00	11.43	89.00	2.00	0.00	1.00	0.00
11.44	89.98	2.00	0.00	1.00	0.00	11.45	90.59	2.00	0.00	1.00	0.00
11.46	91.14	2.00	0.00	1.00	0.00	11.47	91.61	2.00	0.00	1.00	0.00
11.48	92.07	2.00	0.00	1.00	0.00	11.49	91.97	2.00	0.00	1.00	0.00
11.50	91.14	2.00	0.00	1.00	0.00	11.51	90.37	2.00	0.00	1.00	0.00
11.52	90.40	2.00	0.00	1.00	0.00	11.53	91.40	2.00	0.00	1.00	0.00
11.54	92.01	2.00	0.00	1.00	0.00	11.55	92.49	2.00	0.00	1.00	0.00
11.56	93.27	2.00	0.00	1.00	0.00	11.57	94.09	2.00	0.00	1.00	0.00
11.58	93.78	2.00	0.00	1.00	0.00	11.59	92.24	2.00	0.00	1.00	0.00
11.60	90.61	2.00	0.00	1.00	0.00	11.61	89.78	2.00	0.00	1.00	0.00
11.62	89.39	2.00	0.00	1.00	0.00	11.63	88.97	2.00	0.00	1.00	0.00
11.64	88.37	2.00	0.00	1.00	0.00	11.65	87.57	2.00	0.00	1.00	0.00
11.66	86.76	2.00	0.00	1.00	0.00	11.67	85.92	2.00	0.00	1.00	0.00
11.68	85.10	2.00	0.00	1.00	0.00	11.69	83.75	2.00	0.00	1.00	0.00
11.70	81.90	2.00	0.00	1.00	0.00	11.71	79.46	2.00	0.00	1.00	0.00
11.72	76.60	2.00	0.00	1.00	0.00	11.73	73.64	2.00	0.00	1.00	0.00
11.74	70.38	2.00	0.00	1.00	0.00	11.75	68.47	2.00	0.00	1.00	0.00
11.76	67.36	2.00	0.00	1.00	0.00	11.77	67.38	2.00	0.00	1.00	0.00
11.78	66.98	2.00	0.00	1.00	0.00	11.79	66.22	2.00	0.00	1.00	0.00
11.80	64.81	2.00	0.00	1.00	0.00	11.81	63.62	2.00	0.00	1.00	0.00
11.82	62.51	2.00	0.00	1.00	0.00	11.83	61.77	2.00	0.00	1.00	0.00
11.84	61.44	2.00	0.00	1.00	0.00	11.85	61.86	2.00	0.00	1.00	0.00
11.86	62.67	2.00	0.00	1.00	0.00	11.87	63.78	2.00	0.00	1.00	0.00
11.88	64.99	2.00	0.00	1.00	0.00	11.89	65.93	2.00	0.00	1.00	0.00
11.90	66.51	2.00	0.00	1.00	0.00	11.91	63.26	2.00	0.00	1.00	0.00
11.92	60.60	2.00	0.00	1.00	0.00	11.93	58.46	2.00	0.00	1.00	0.00
11.94	61.13	2.00	0.00	1.00	0.00	11.95	63.55	2.00	0.00	1.00	0.00
11.96	66.01	2.00	0.00	1.00	0.00	11.97	68.43	2.00	0.00	1.00	0.00
11.98	70.70	2.00	0.00	1.00	0.00	11.99	72.57	2.00	0.00	1.00	0.00
12.00	74.82	2.00	0.00	1.00	0.00	12.01	77.09	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.02	79.79	2.00	0.00	1.00	0.00	12.03	81.49	2.00	0.00	1.00	0.00
12.04	82.87	2.00	0.00	1.00	0.00	12.05	83.56	2.00	0.00	1.00	0.00
12.06	84.33	2.00	0.00	1.00	0.00	12.07	84.85	2.00	0.00	1.00	0.00
12.08	85.45	2.00	0.00	1.00	0.00	12.09	85.86	2.00	0.00	1.00	0.00
12.10	86.49	2.00	0.00	1.00	0.00	12.11	86.93	2.00	0.00	1.00	0.00
12.12	87.21	2.00	0.00	1.00	0.00	12.13	87.18	2.00	0.00	1.00	0.00
12.14	86.87	2.00	0.00	1.00	0.00	12.15	86.36	2.00	0.00	1.00	0.00
12.16	85.90	2.00	0.00	1.00	0.00	12.17	85.35	2.00	0.00	1.00	0.00
12.18	84.63	2.00	0.00	1.00	0.00	12.19	83.63	2.00	0.00	1.00	0.00
12.20	82.01	2.00	0.00	1.00	0.00	12.21	80.26	2.00	0.00	1.00	0.00
12.22	78.55	2.00	0.00	1.00	0.00	12.23	77.44	2.00	0.00	1.00	0.00
12.24	76.06	2.00	0.00	1.00	0.00	12.25	74.45	2.00	0.00	1.00	0.00
12.26	72.35	2.00	0.00	1.00	0.00	12.27	70.37	2.00	0.00	1.00	0.00
12.28	68.42	2.00	0.00	1.00	0.00	12.29	67.02	2.00	0.00	1.00	0.00
12.30	65.44	2.00	0.00	1.00	0.00	12.31	64.02	2.00	0.00	1.00	0.00
12.32	61.80	2.00	0.00	1.00	0.00	12.33	59.85	2.00	0.00	1.00	0.00
12.34	57.76	2.00	0.00	1.00	0.00	12.35	56.70	2.00	0.00	1.00	0.00
12.36	56.10	2.00	0.00	1.00	0.00	12.37	55.80	2.00	0.00	1.00	0.00
12.38	55.77	2.00	0.00	1.00	0.00	12.39	55.84	2.00	0.00	1.00	0.00
12.40	55.91	2.00	0.00	1.00	0.00	12.41	55.62	2.00	0.00	1.00	0.00
12.42	55.08	2.00	0.00	1.00	0.00	12.43	54.36	2.00	0.00	1.00	0.00
12.44	53.32	2.00	0.00	1.00	0.00	12.45	52.17	2.00	0.00	1.00	0.00
12.46	51.21	2.00	0.00	1.00	0.00	12.47	50.86	2.00	0.00	1.00	0.00
12.48	50.66	2.00	0.00	1.00	0.00	12.49	50.24	2.00	0.00	1.00	0.00
12.50	49.87	2.00	0.00	1.00	0.00	12.51	50.07	2.00	0.00	1.00	0.00
12.52	50.86	2.00	0.00	1.00	0.00	12.53	52.23	2.00	0.00	1.00	0.00
12.54	53.42	2.00	0.00	1.00	0.00	12.55	54.56	2.00	0.00	1.00	0.00
12.56	55.29	2.00	0.00	1.00	0.00	12.57	55.53	2.00	0.00	1.00	0.00
12.58	55.35	2.00	0.00	1.00	0.00	12.59	55.27	2.00	0.00	1.00	0.00
12.60	55.66	2.00	0.00	1.00	0.00	12.61	56.60	2.00	0.00	1.00	0.00
12.62	58.18	2.00	0.00	1.00	0.00	12.63	59.38	2.00	0.00	1.00	0.00
12.64	60.08	2.00	0.00	1.00	0.00	12.65	60.03	2.00	0.00	1.00	0.00
12.66	60.31	2.00	0.00	1.00	0.00	12.67	60.86	2.00	0.00	1.00	0.00
12.68	61.59	2.00	0.00	1.00	0.00	12.69	62.10	2.00	0.00	1.00	0.00
12.70	62.68	2.00	0.00	1.00	0.00	12.71	63.77	2.00	0.00	1.00	0.00
12.72	65.21	2.00	0.00	1.00	0.00	12.73	66.61	2.00	0.00	1.00	0.00
12.74	67.47	2.00	0.00	1.00	0.00	12.75	68.17	2.00	0.00	1.00	0.00
12.76	68.98	2.00	0.00	1.00	0.00	12.77	70.50	2.00	0.00	1.00	0.00
12.78	72.13	2.00	0.00	1.00	0.00	12.79	74.04	2.00	0.00	1.00	0.00
12.80	75.39	2.00	0.00	1.00	0.00	12.81	76.65	2.00	0.00	1.00	0.00
12.82	77.72	2.00	0.00	1.00	0.00	12.83	78.52	2.00	0.00	1.00	0.00
12.84	78.79	2.00	0.00	1.00	0.00	12.85	78.42	2.00	0.00	1.00	0.00
12.86	77.78	2.00	0.00	1.00	0.00	12.87	77.52	2.00	0.00	1.00	0.00
12.88	77.77	2.00	0.00	1.00	0.00	12.89	78.23	2.00	0.00	1.00	0.00
12.90	78.51	2.00	0.00	1.00	0.00	12.91	76.82	2.00	0.00	1.00	0.00
12.92	75.43	2.00	0.00	1.00	0.00	12.93	74.61	2.00	0.00	1.00	0.00
12.94	75.70	2.00	0.00	1.00	0.00	12.95	76.59	2.00	0.00	1.00	0.00
12.96	77.11	2.00	0.00	1.00	0.00	12.97	77.82	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.98	78.77	2.00	0.00	1.00	0.00	12.99	80.32	2.00	0.00	1.00	0.00
13.00	81.97	2.00	0.00	1.00	0.00	13.01	83.26	2.00	0.00	1.00	0.00
13.02	84.11	2.00	0.00	1.00	0.00	13.03	84.56	2.00	0.00	1.00	0.00
13.04	85.04	2.00	0.00	1.00	0.00	13.05	85.17	2.00	0.00	1.00	0.00
13.06	85.34	2.00	0.00	1.00	0.00	13.07	85.69	2.00	0.00	1.00	0.00
13.08	86.58	2.00	0.00	1.00	0.00	13.09	87.65	2.00	0.00	1.00	0.00
13.10	88.97	2.00	0.00	1.00	0.00	13.11	89.98	2.00	0.00	1.00	0.00
13.12	90.97	2.00	0.00	1.00	0.00	13.13	91.46	2.00	0.00	1.00	0.00
13.14	91.99	2.00	0.00	1.00	0.00	13.15	92.37	2.00	0.00	1.00	0.00
13.16	92.99	2.00	0.00	1.00	0.00	13.17	93.45	2.00	0.00	1.00	0.00
13.18	93.96	2.00	0.00	1.00	0.00	13.19	94.66	2.00	0.00	1.00	0.00
13.20	95.24	2.00	0.00	1.00	0.00	13.21	95.68	2.00	0.00	1.00	0.00
13.22	95.90	2.00	0.00	1.00	0.00	13.23	96.24	2.00	0.00	1.00	0.00
13.24	96.80	2.00	0.00	1.00	0.00	13.25	97.70	2.00	0.00	1.00	0.00
13.26	98.82	2.00	0.00	1.00	0.00	13.27	100.03	2.00	0.00	1.00	0.00
13.28	101.26	2.00	0.00	1.00	0.00	13.29	102.34	2.00	0.00	1.00	0.00
13.30	103.29	2.00	0.00	1.00	0.00	13.31	103.78	2.00	0.00	1.00	0.00
13.32	104.23	2.00	0.00	1.00	0.00	13.33	104.15	2.00	0.00	1.00	0.00
13.34	104.01	2.00	0.00	1.00	0.00	13.35	103.73	2.00	0.00	1.00	0.00
13.36	103.72	2.00	0.00	1.00	0.00	13.37	103.69	2.00	0.00	1.00	0.00
13.38	103.53	2.00	0.00	1.00	0.00	13.39	103.30	2.00	0.00	1.00	0.00
13.40	103.01	2.00	0.00	1.00	0.00	13.41	102.86	2.00	0.00	1.00	0.00
13.42	102.54	2.00	0.00	1.00	0.00	13.43	102.23	2.00	0.00	1.00	0.00
13.44	101.83	2.00	0.00	1.00	0.00	13.45	101.66	2.00	0.00	1.00	0.00
13.46	101.47	2.00	0.00	1.00	0.00	13.47	101.26	2.00	0.00	1.00	0.00
13.48	101.02	2.00	0.00	1.00	0.00	13.49	100.79	2.00	0.00	1.00	0.00
13.50	100.52	2.00	0.00	1.00	0.00	13.51	100.27	2.00	0.00	1.00	0.00
13.52	99.94	2.00	0.00	1.00	0.00	13.53	99.47	2.00	0.00	1.00	0.00
13.54	98.87	2.00	0.00	1.00	0.00	13.55	98.30	2.00	0.00	1.00	0.00
13.56	97.82	2.00	0.00	1.00	0.00	13.57	97.39	2.00	0.00	1.00	0.00
13.58	96.63	2.00	0.00	1.00	0.00	13.59	95.83	2.00	0.00	1.00	0.00
13.60	95.01	2.00	0.00	1.00	0.00	13.61	94.40	2.00	0.00	1.00	0.00
13.62	93.76	2.00	0.00	1.00	0.00	13.63	93.07	2.00	0.00	1.00	0.00
13.64	92.37	2.00	0.00	1.00	0.00	13.65	91.77	2.00	0.00	1.00	0.00
13.66	91.30	2.00	0.00	1.00	0.00	13.67	90.59	2.00	0.00	1.00	0.00
13.68	89.76	2.00	0.00	1.00	0.00	13.69	88.63	2.00	0.00	1.00	0.00
13.70	87.77	2.00	0.00	1.00	0.00	13.71	86.93	2.00	0.00	1.00	0.00
13.72	86.22	2.00	0.00	1.00	0.00	13.73	85.59	2.00	0.00	1.00	0.00
13.74	84.83	2.00	0.00	1.00	0.00	13.75	84.19	2.00	0.00	1.00	0.00
13.76	83.55	2.00	0.00	1.00	0.00	13.77	82.88	2.00	0.00	1.00	0.00
13.78	81.98	2.00	0.00	1.00	0.00	13.79	80.84	2.00	0.00	1.00	0.00
13.80	80.05	2.00	0.00	1.00	0.00	13.81	79.80	2.00	0.00	1.00	0.00
13.82	80.01	2.00	0.00	1.00	0.00	13.83	80.39	2.00	0.00	1.00	0.00
13.84	80.45	2.00	0.00	1.00	0.00	13.85	79.89	2.00	0.00	1.00	0.00
13.86	78.96	2.00	0.00	1.00	0.00	13.87	78.14	2.00	0.00	1.00	0.00
13.88	77.73	2.00	0.00	1.00	0.00	13.89	77.56	2.00	0.00	1.00	0.00
13.90	77.41	2.00	0.00	1.00	0.00	13.91	75.37	2.00	0.00	1.00	0.00
13.92	73.23	2.00	0.00	1.00	0.00	13.93	70.97	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.94	70.59	2.00	0.00	1.00	0.00	13.95	69.79	2.00	0.00	1.00	0.00
13.96	68.75	2.00	0.00	1.00	0.00	13.97	67.74	2.00	0.00	1.00	0.00
13.98	67.04	2.00	0.00	1.00	0.00	13.99	66.47	2.00	0.00	1.00	0.00
14.00	65.75	2.00	0.00	1.00	0.00	14.01	65.13	2.00	0.00	1.00	0.00
14.02	64.67	2.00	0.00	1.00	0.00	14.03	64.56	2.00	0.00	1.00	0.00
14.04	64.47	2.00	0.00	1.00	0.00	14.05	64.20	2.00	0.00	1.00	0.00
14.06	64.46	2.00	0.00	1.00	0.00	14.07	65.55	2.00	0.00	1.00	0.00
14.08	67.53	2.00	0.00	1.00	0.00	14.09	70.76	2.00	0.00	1.00	0.00
14.10	73.86	2.00	0.00	1.00	0.00	14.11	76.30	2.00	0.00	1.00	0.00
14.12	77.45	2.00	0.00	1.00	0.00	14.13	78.66	2.00	0.00	1.00	0.00
14.14	80.06	2.00	0.00	1.00	0.00	14.15	81.69	2.00	0.00	1.00	0.00
14.16	82.98	2.00	0.00	1.00	0.00	14.17	84.84	2.00	0.00	1.00	0.00
14.18	86.50	2.00	0.00	1.00	0.00	14.19	88.01	2.00	0.00	1.00	0.00
14.20	88.64	2.00	0.00	1.00	0.00	14.21	89.01	2.00	0.00	1.00	0.00
14.22	89.13	2.00	0.00	1.00	0.00	14.23	89.22	2.00	0.00	1.00	0.00
14.24	89.34	2.00	0.00	1.00	0.00	14.25	89.76	2.00	0.00	1.00	0.00
14.26	90.03	2.00	0.00	1.00	0.00	14.27	90.10	2.00	0.00	1.00	0.00
14.28	89.57	2.00	0.00	1.00	0.00	14.29	88.91	2.00	0.00	1.00	0.00
14.30	88.24	2.00	0.00	1.00	0.00	14.31	87.61	2.00	0.00	1.00	0.00
14.32	86.62	2.00	0.00	1.00	0.00	14.33	85.66	2.00	0.00	1.00	0.00
14.34	85.03	2.00	0.00	1.00	0.00	14.35	85.13	2.00	0.00	1.00	0.00
14.36	85.31	2.00	0.00	1.00	0.00	14.37	85.46	2.00	0.00	1.00	0.00
14.38	85.67	2.00	0.00	1.00	0.00	14.39	85.94	2.00	0.00	1.00	0.00
14.40	86.40	2.00	0.00	1.00	0.00	14.41	86.78	2.00	0.00	1.00	0.00
14.42	87.51	2.00	0.00	1.00	0.00	14.43	88.41	2.00	0.00	1.00	0.00
14.44	89.65	2.00	0.00	1.00	0.00	14.45	90.82	2.00	0.00	1.00	0.00
14.46	91.63	2.00	0.00	1.00	0.00	14.47	91.98	2.00	0.00	1.00	0.00
14.48	91.72	2.00	0.00	1.00	0.00	14.49	91.26	2.00	0.00	1.00	0.00
14.50	90.83	2.00	0.00	1.00	0.00	14.51	90.58	2.00	0.00	1.00	0.00
14.52	90.52	2.00	0.00	1.00	0.00	14.53	90.50	2.00	0.00	1.00	0.00
14.54	90.58	2.00	0.00	1.00	0.00	14.55	90.71	2.00	0.00	1.00	0.00
14.56	90.96	2.00	0.00	1.00	0.00	14.57	91.11	2.00	0.00	1.00	0.00
14.58	91.33	2.00	0.00	1.00	0.00	14.59	91.74	2.00	0.00	1.00	0.00
14.60	92.22	2.00	0.00	1.00	0.00	14.61	92.62	2.00	0.00	1.00	0.00
14.62	92.98	2.00	0.00	1.00	0.00	14.63	93.39	2.00	0.00	1.00	0.00
14.64	93.87	2.00	0.00	1.00	0.00	14.65	94.17	2.00	0.00	1.00	0.00
14.66	94.51	2.00	0.00	1.00	0.00	14.67	94.81	2.00	0.00	1.00	0.00
14.68	94.97	2.00	0.00	1.00	0.00	14.69	94.95	2.00	0.00	1.00	0.00
14.70	94.74	2.00	0.00	1.00	0.00	14.71	94.52	2.00	0.00	1.00	0.00
14.72	94.45	2.00	0.00	1.00	0.00	14.73	94.82	2.00	0.00	1.00	0.00
14.74	95.41	2.00	0.00	1.00	0.00	14.75	96.19	2.00	0.00	1.00	0.00
14.76	96.62	2.00	0.00	1.00	0.00	14.77	96.73	2.00	0.00	1.00	0.00
14.78	96.32	2.00	0.00	1.00	0.00	14.79	95.88	2.00	0.00	1.00	0.00
14.80	95.49	2.00	0.00	1.00	0.00	14.81	95.27	2.00	0.00	1.00	0.00
14.82	95.36	2.00	0.00	1.00	0.00	14.83	95.64	2.00	0.00	1.00	0.00
14.84	96.09	2.00	0.00	1.00	0.00	14.85	96.39	2.00	0.00	1.00	0.00
14.86	96.39	2.00	0.00	1.00	0.00	14.87	96.43	2.00	0.00	1.00	0.00
14.88	96.60	2.00	0.00	1.00	0.00	14.89	96.93	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.90	97.11	2.00	0.00	1.00	0.00	14.91	96.73	2.00	0.00	1.00	0.00
14.92	96.98	2.00	0.00	1.00	0.00	14.93	97.57	2.00	0.00	1.00	0.00
14.94	98.79	2.00	0.00	1.00	0.00	14.95	99.90	2.00	0.00	1.00	0.00
14.96	100.98	2.00	0.00	1.00	0.00	14.97	101.81	2.00	0.00	1.00	0.00
14.98	102.36	2.00	0.00	1.00	0.00	14.99	102.96	2.00	0.00	1.00	0.00
15.00	103.97	2.00	0.00	1.00	0.00	15.01	104.98	2.00	0.00	1.00	0.00
15.02	105.71	2.00	0.00	1.00	0.00	15.03	106.06	2.00	0.00	1.00	0.00
15.04	106.19	2.00	0.00	1.00	0.00	15.05	105.80	2.00	0.00	1.00	0.00
15.06	105.18	2.00	0.00	1.00	0.00	15.07	104.31	2.00	0.00	1.00	0.00
15.08	103.00	2.00	0.00	1.00	0.00	15.09	101.48	2.00	0.00	1.00	0.00
15.10	99.75	2.00	0.00	1.00	0.00	15.11	97.68	2.00	0.00	1.00	0.00
15.12	95.25	2.00	0.00	1.00	0.00	15.13	92.72	2.00	0.00	1.00	0.00
15.14	90.21	2.00	0.00	1.00	0.00	15.15	87.72	2.00	0.00	1.00	0.00
15.16	85.16	2.00	0.00	1.00	0.00	15.17	83.01	2.00	0.00	1.00	0.00
15.18	79.99	2.00	0.00	1.00	0.00	15.19	76.82	2.00	0.00	1.00	0.00
15.20	73.79	2.00	0.00	1.00	0.00	15.21	71.67	2.00	0.00	1.00	0.00
15.22	70.22	2.00	0.00	1.00	0.00	15.23	69.47	2.00	0.00	1.00	0.00
15.24	70.12	2.00	0.00	1.00	0.00	15.25	71.18	2.00	0.00	1.00	0.00
15.26	72.46	2.00	0.00	1.00	0.00	15.27	73.39	2.00	0.00	1.00	0.00
15.28	74.04	2.00	0.00	1.00	0.00	15.29	74.48	2.00	0.00	1.00	0.00
15.30	74.83	2.00	0.00	1.00	0.00	15.31	76.13	2.00	0.00	1.00	0.00
15.32	77.98	2.00	0.00	1.00	0.00	15.33	80.38	2.00	0.00	1.00	0.00
15.34	83.07	2.00	0.00	1.00	0.00	15.35	85.03	2.00	0.00	1.00	0.00
15.36	86.03	2.00	0.00	1.00	0.00	15.37	85.68	2.00	0.00	1.00	0.00
15.38	85.60	2.00	0.00	1.00	0.00	15.39	86.30	2.00	0.00	1.00	0.00
15.40	87.32	2.00	0.00	1.00	0.00	15.41	87.50	2.00	0.00	1.00	0.00
15.42	87.78	2.00	0.00	1.00	0.00	15.43	87.89	2.00	0.00	1.00	0.00
15.44	88.65	2.00	0.00	1.00	0.00	15.45	88.73	2.00	0.00	1.00	0.00
15.46	88.80	2.00	0.00	1.00	0.00	15.47	88.95	2.00	0.00	1.00	0.00
15.48	89.12	2.00	0.00	1.00	0.00	15.49	89.39	2.00	0.00	1.00	0.00
15.50	90.18	2.00	0.00	1.00	0.00	15.51	91.30	2.00	0.00	1.00	0.00
15.52	92.56	2.00	0.00	1.00	0.00	15.53	93.20	2.00	0.00	1.00	0.00
15.54	93.82	2.00	0.00	1.00	0.00	15.55	94.46	2.00	0.00	1.00	0.00
15.56	95.36	2.00	0.00	1.00	0.00	15.57	96.44	2.00	0.00	1.00	0.00
15.58	97.47	2.00	0.00	1.00	0.00	15.59	98.76	2.00	0.00	1.00	0.00
15.60	99.60	2.00	0.00	1.00	0.00	15.61	100.45	2.00	0.00	1.00	0.00
15.62	101.18	2.00	0.00	1.00	0.00	15.63	102.22	2.00	0.00	1.00	0.00
15.64	102.83	2.00	0.00	1.00	0.00	15.65	102.81	2.00	0.00	1.00	0.00
15.66	102.50	2.00	0.00	1.00	0.00	15.67	102.62	2.00	0.00	1.00	0.00
15.68	103.14	2.00	0.00	1.00	0.00	15.69	103.87	2.00	0.00	1.00	0.00
15.70	104.43	2.00	0.00	1.00	0.00	15.71	104.66	2.00	0.00	1.00	0.00
15.72	104.42	2.00	0.00	1.00	0.00	15.73	104.08	2.00	0.00	1.00	0.00
15.74	103.63	2.00	0.00	1.00	0.00	15.75	103.14	2.00	0.00	1.00	0.00
15.76	102.67	2.00	0.00	1.00	0.00	15.77	102.57	2.00	0.00	1.00	0.00
15.78	102.69	2.00	0.00	1.00	0.00	15.79	102.66	2.00	0.00	1.00	0.00
15.80	102.46	2.00	0.00	1.00	0.00						

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
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Total estimated settlement: 11.69**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

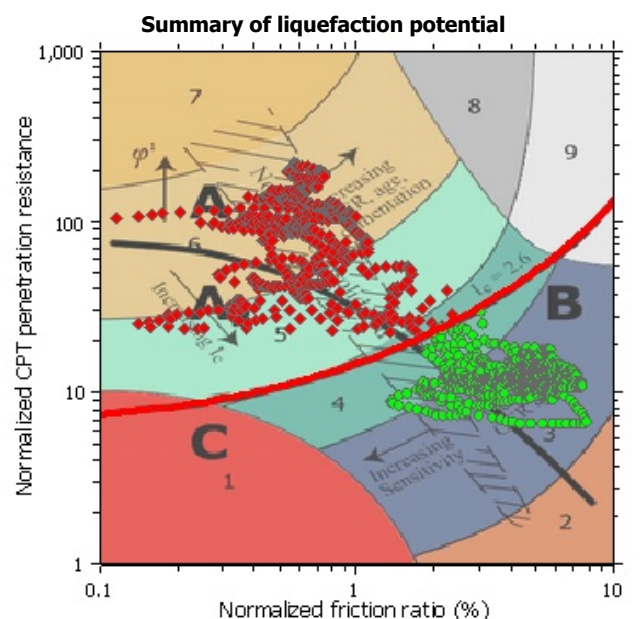
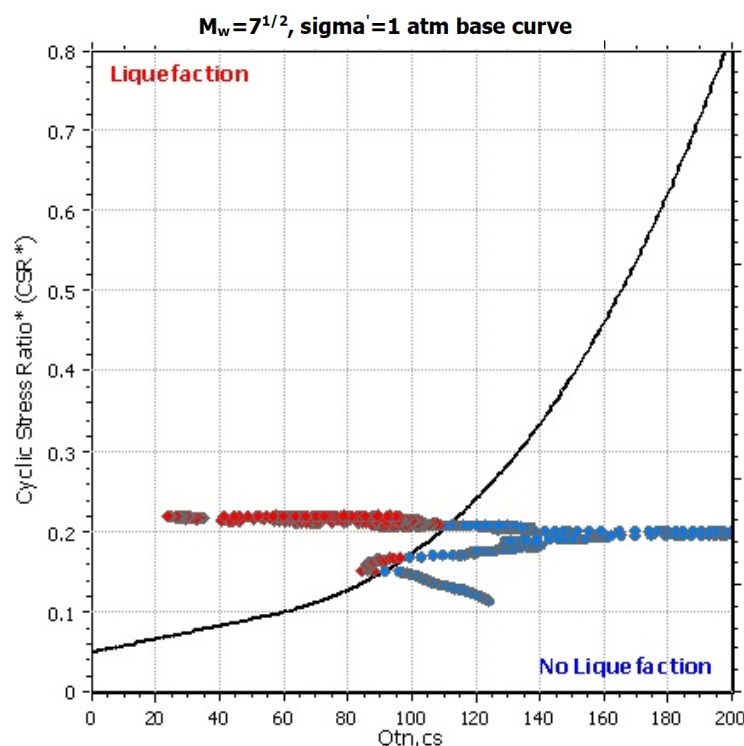
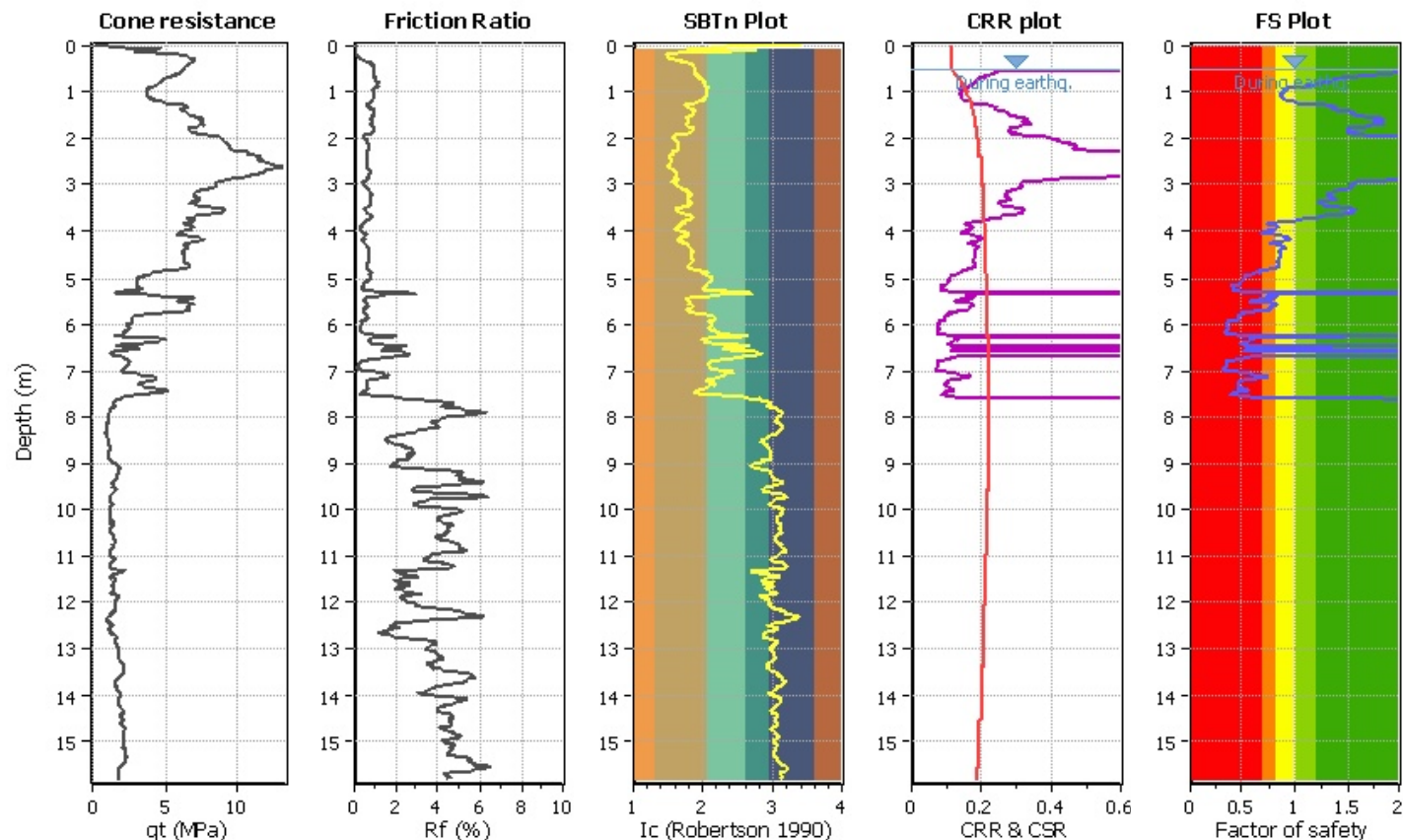
Project title : Verifica del potenziale di liquefazione

Location : Cesenatico - Ex Colonia Prealpi

CPT file : CPTU 3

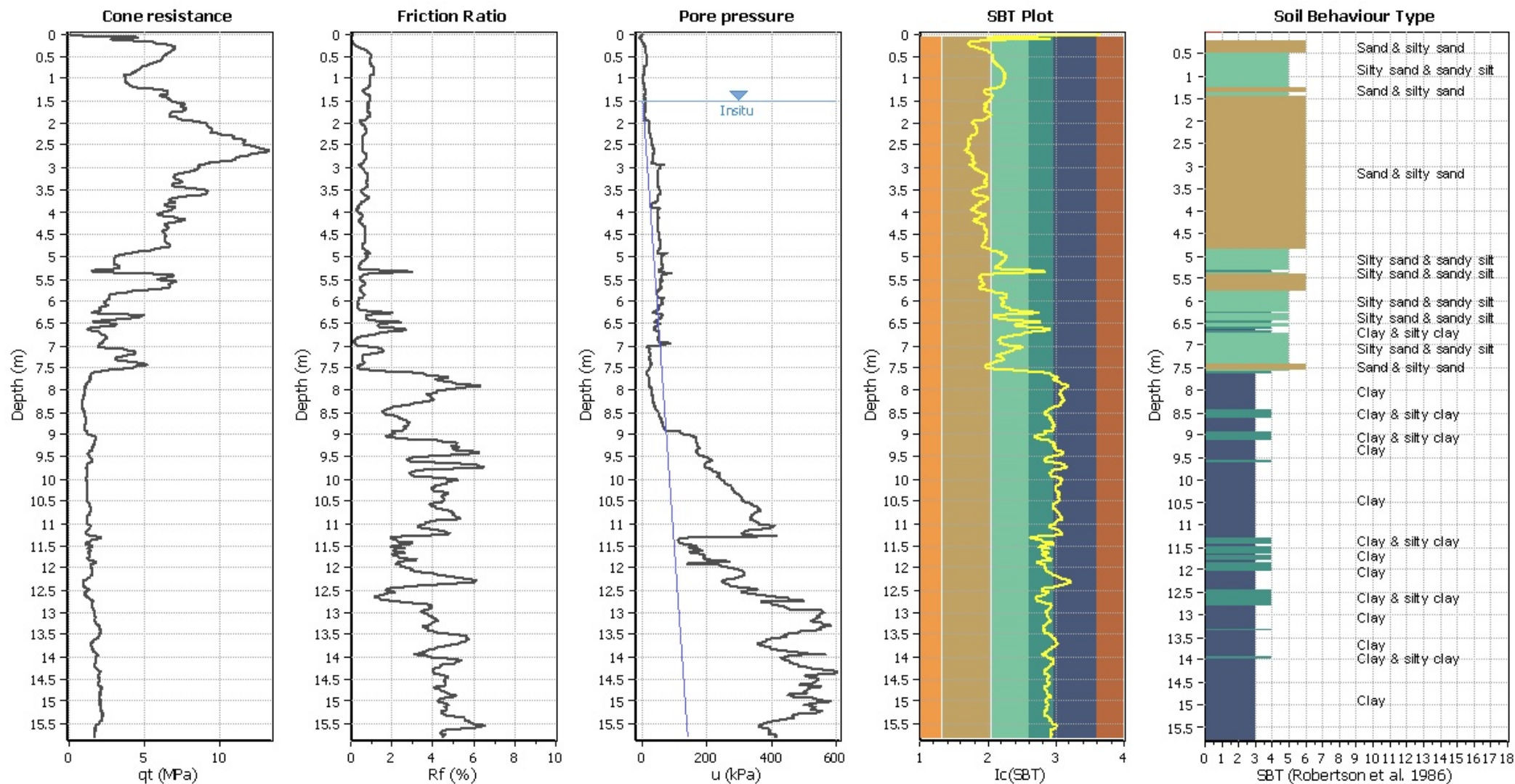
Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	1.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	0.50 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:	0.23	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method based



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: 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

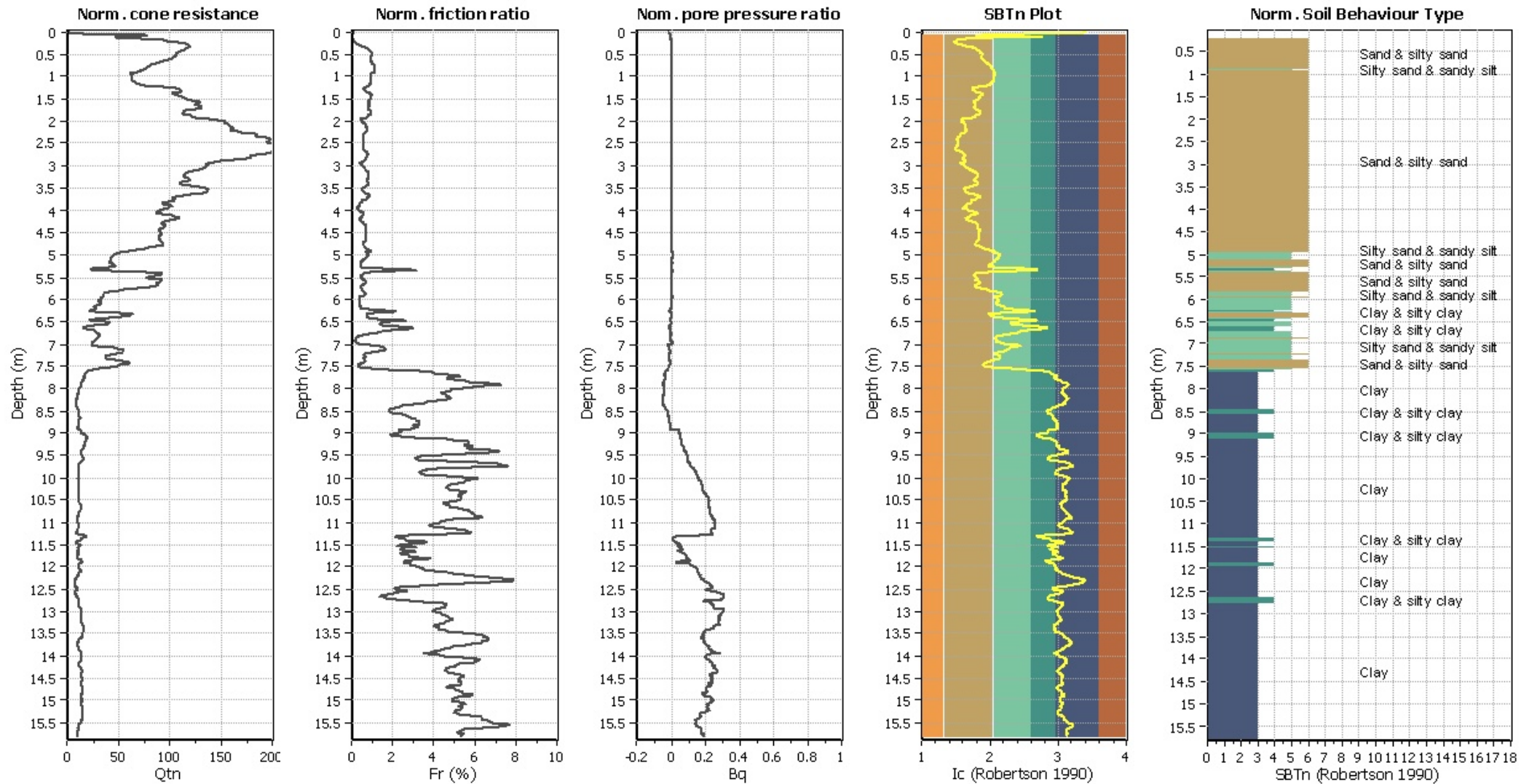
Pore pressure



Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

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 clayey sand
3. Clay to silty clay	6. Clean sand to silty sand	9. Very stiff fine grained

CPT basic interpretation plots (normaliz



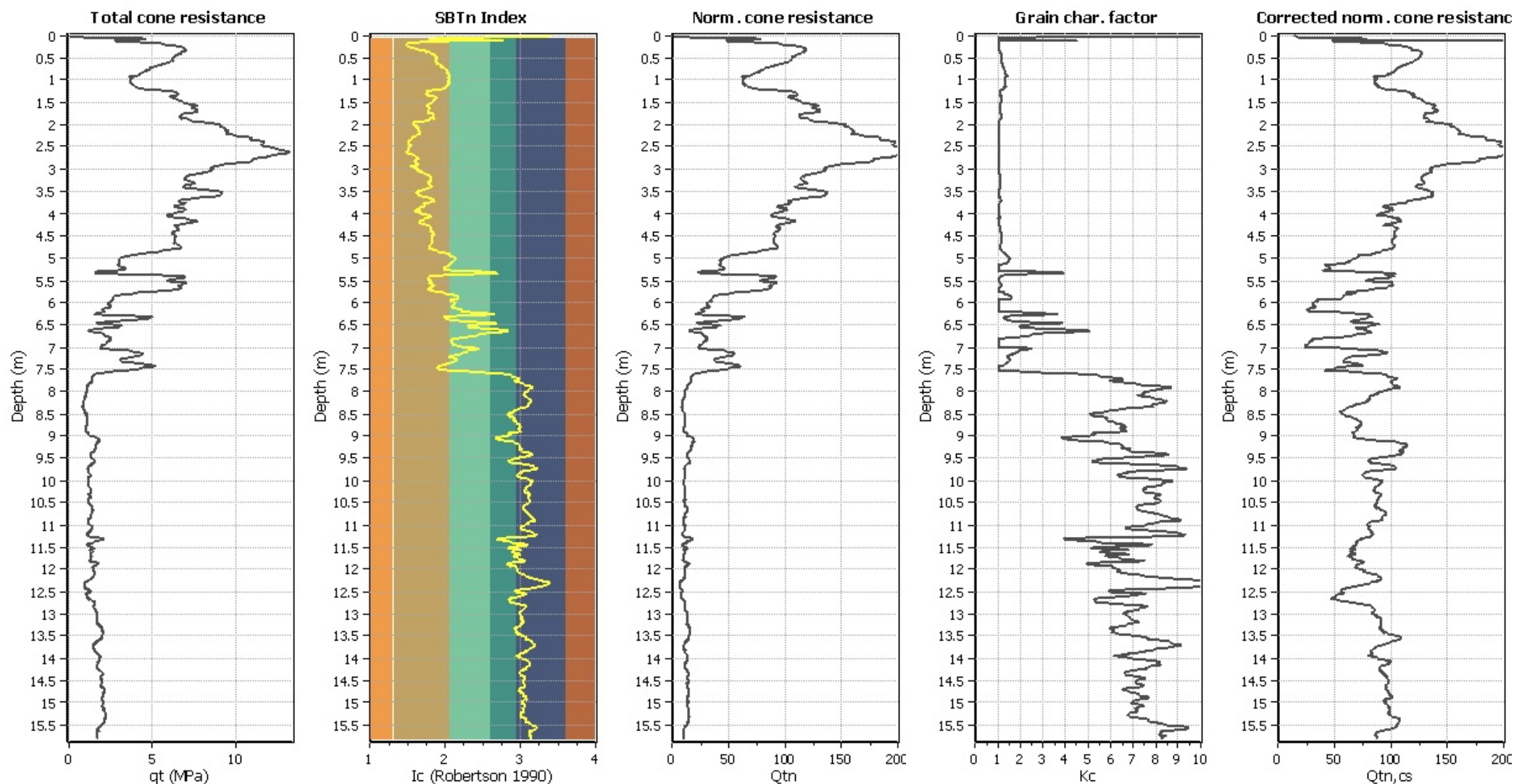
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 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

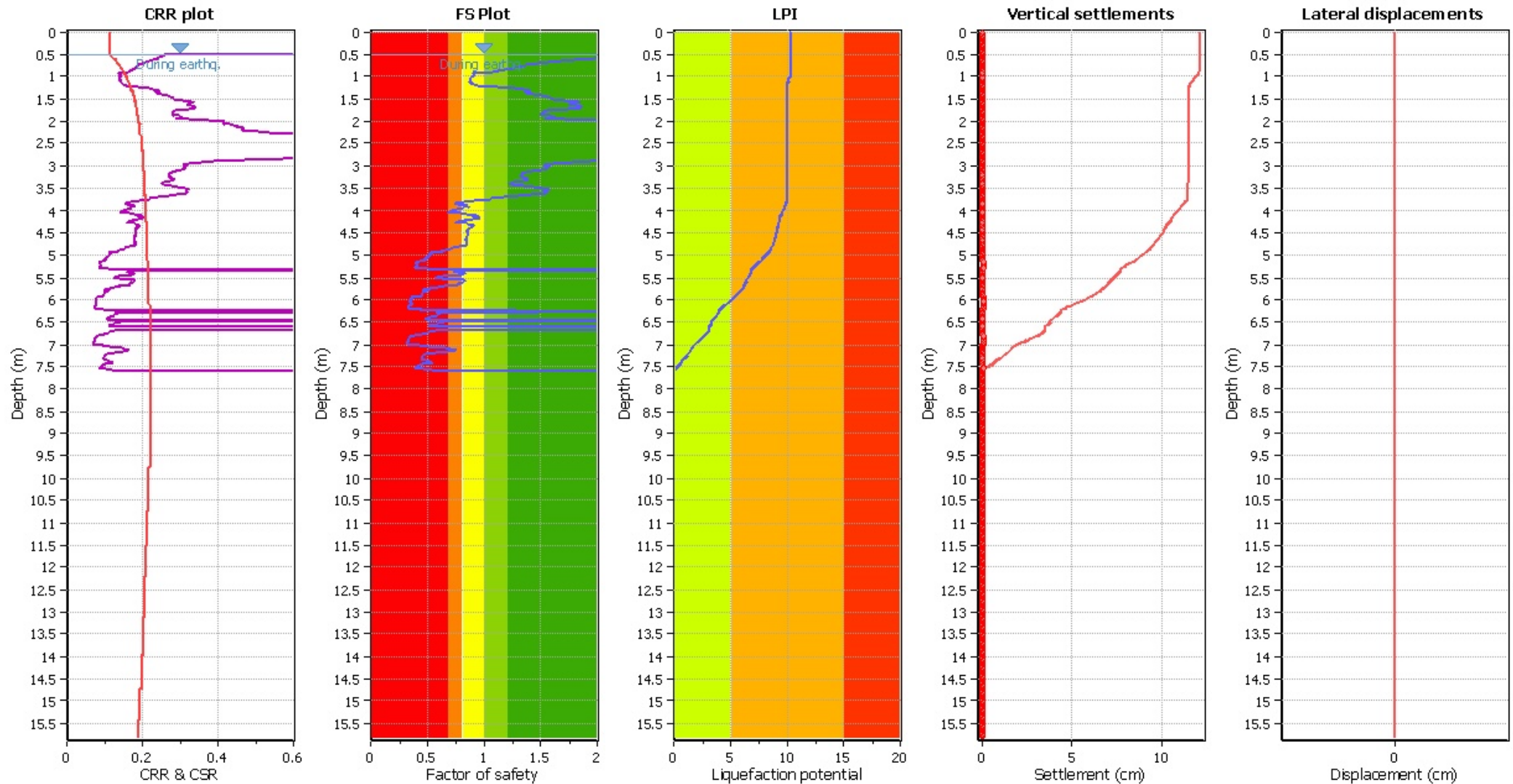
Liquefaction analysis overall plots (intermediate res)



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Liquefaction analysis overall plot



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (earthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I_c value	I_c 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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

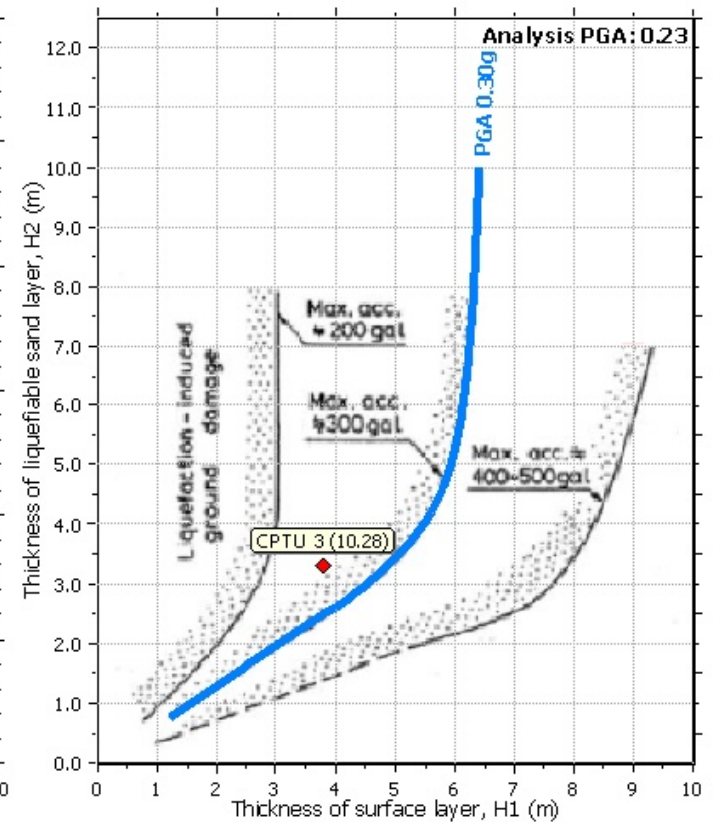
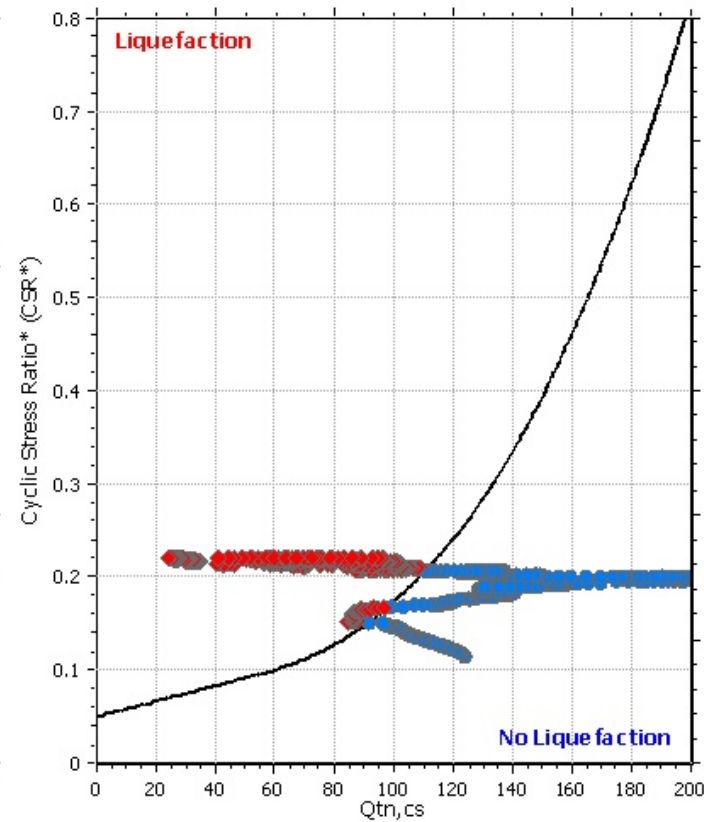
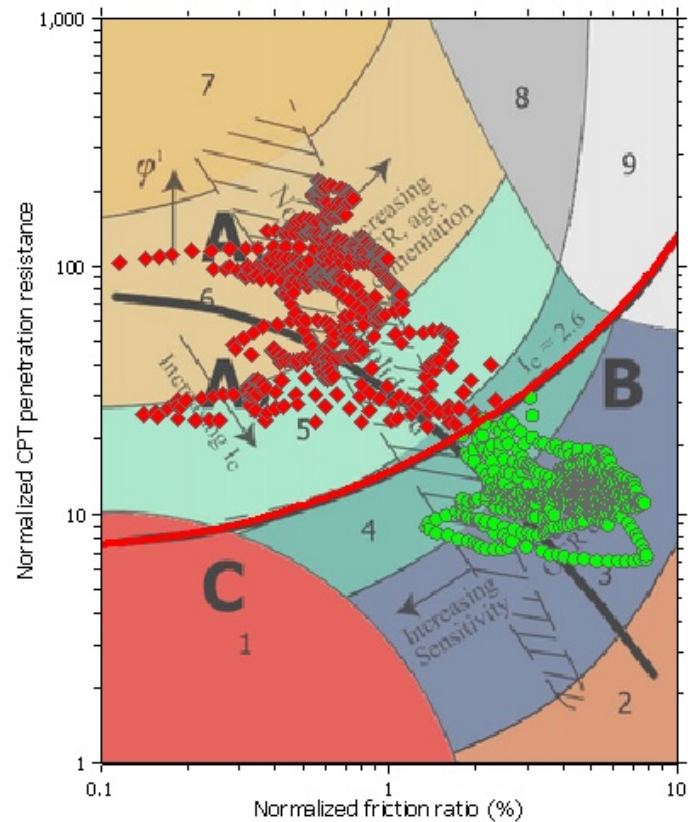
F.S. color scheme

■	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

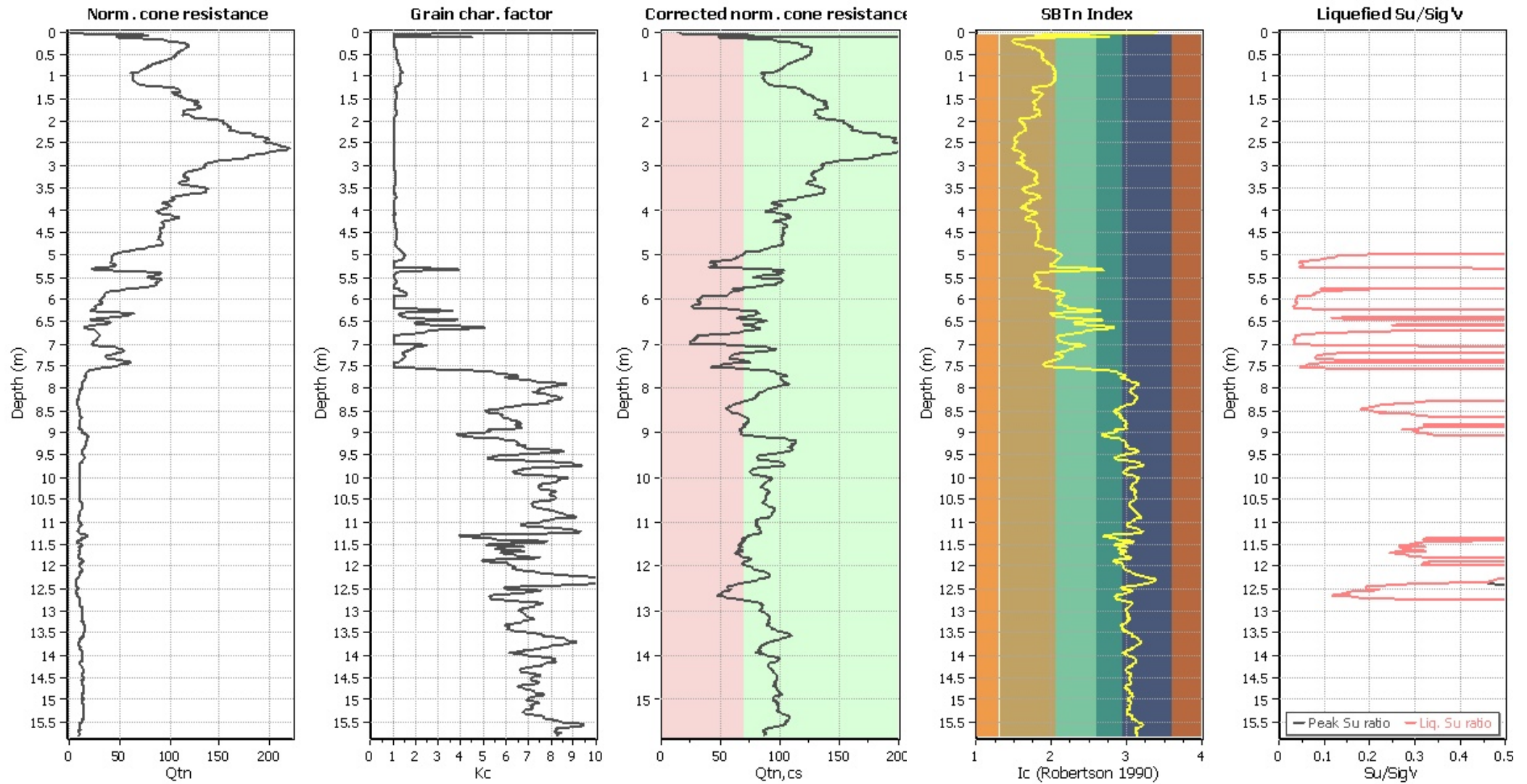
Liquefaction analysis summary plo



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _o applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

Check for strength loss plots (Robertson (2010))



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	0.50 m	Fill weight:	N/A
Fines correction method:	NCEER (1998)	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:	0.23	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	1.50 m	Fill height:	N/A	Limit depth:	N/A

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	9.98	0.01	0.00	0.04	2.00	0.00	9.98	0.01	0.00
0.05	2.00	0.00	9.97	0.01	0.00	0.06	2.00	0.00	9.97	0.01	0.00
0.07	2.00	0.00	9.96	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	9.90	0.01	0.00	0.20	2.00	0.00	9.90	0.01	0.00
0.21	2.00	0.00	9.89	0.01	0.00	0.22	2.00	0.00	9.89	0.01	0.00
0.23	2.00	0.00	9.88	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	9.81	0.01	0.00	0.38	2.00	0.00	9.81	0.01	0.00
0.39	2.00	0.00	9.80	0.01	0.00	0.40	2.00	0.00	9.80	0.01	0.00
0.41	2.00	0.00	9.79	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	9.73	0.01	0.00	0.54	2.00	0.00	9.73	0.01	0.00
0.55	2.00	0.00	9.72	0.01	0.00	0.56	2.00	0.00	9.72	0.01	0.00
0.57	2.00	0.00	9.71	0.01	0.00	0.58	1.96	0.00	9.71	0.01	0.00
0.59	1.92	0.00	9.71	0.01	0.00	0.60	1.87	0.00	9.70	0.01	0.00
0.61	1.83	0.00	9.70	0.01	0.00	0.62	1.79	0.00	9.69	0.01	0.00
0.63	1.75	0.00	9.69	0.01	0.00	0.64	1.70	0.00	9.68	0.01	0.00
0.65	1.66	0.00	9.68	0.01	0.00	0.66	1.61	0.00	9.67	0.01	0.00
0.67	1.58	0.00	9.66	0.01	0.00	0.68	1.55	0.00	9.66	0.01	0.00
0.69	1.51	0.00	9.65	0.01	0.00	0.70	1.48	0.00	9.65	0.01	0.00
0.71	1.45	0.00	9.64	0.01	0.00	0.72	1.42	0.00	9.64	0.01	0.00
0.73	1.40	0.00	9.63	0.01	0.00	0.74	1.38	0.00	9.63	0.01	0.00
0.75	1.36	0.00	9.63	0.01	0.00	0.76	1.34	0.00	9.62	0.01	0.00
0.77	1.32	0.00	9.62	0.01	0.00	0.78	1.30	0.00	9.61	0.01	0.00
0.79	1.29	0.00	9.61	0.01	0.00	0.80	1.27	0.00	9.60	0.01	0.00
0.81	1.25	0.00	9.60	0.01	0.00	0.82	1.23	0.00	9.59	0.01	0.00
0.83	1.22	0.00	9.59	0.01	0.00	0.84	1.19	0.00	9.58	0.01	0.00
0.85	1.17	0.00	9.57	0.01	0.00	0.86	1.15	0.00	9.57	0.01	0.00
0.87	1.13	0.00	9.56	0.01	0.00	0.88	1.12	0.00	9.56	0.01	0.00
0.89	1.10	0.00	9.55	0.01	0.00	0.90	1.09	0.00	9.55	0.01	0.00
0.91	1.01	0.00	9.54	0.01	0.00	0.92	0.95	0.05	9.54	0.01	0.00
0.93	0.90	0.10	9.54	0.01	0.01	0.94	0.91	0.09	9.53	0.01	0.01
0.95	0.92	0.08	9.53	0.01	0.01	0.96	0.92	0.08	9.52	0.01	0.01

:: 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
0.97	0.91	0.09	9.52	0.01	0.01	0.98	0.91	0.09	9.51	0.01	0.01
0.99	0.90	0.10	9.51	0.01	0.01	1.00	0.89	0.11	9.50	0.01	0.01
1.01	0.89	0.11	9.49	0.01	0.01	1.02	0.88	0.12	9.49	0.01	0.01
1.03	0.88	0.12	9.48	0.01	0.01	1.04	0.88	0.12	9.48	0.01	0.01
1.05	0.87	0.13	9.47	0.01	0.01	1.06	0.87	0.13	9.47	0.01	0.01
1.07	0.87	0.13	9.46	0.01	0.01	1.08	0.87	0.13	9.46	0.01	0.01
1.09	0.87	0.13	9.46	0.01	0.01	1.10	0.87	0.13	9.45	0.01	0.01
1.11	0.87	0.13	9.45	0.01	0.01	1.12	0.88	0.12	9.44	0.01	0.01
1.13	0.88	0.12	9.44	0.01	0.01	1.14	0.89	0.11	9.43	0.01	0.01
1.15	0.89	0.11	9.43	0.01	0.01	1.16	0.90	0.10	9.42	0.01	0.01
1.17	0.91	0.09	9.41	0.01	0.01	1.18	0.92	0.08	9.41	0.01	0.01
1.19	0.93	0.07	9.40	0.01	0.01	1.20	0.95	0.05	9.40	0.01	0.00
1.21	0.98	0.02	9.39	0.01	0.00	1.22	1.03	0.00	9.39	0.01	0.00
1.23	1.09	0.00	9.38	0.01	0.00	1.24	1.15	0.00	9.38	0.01	0.00
1.25	1.21	0.00	9.38	0.01	0.00	1.26	1.26	0.00	9.37	0.01	0.00
1.27	1.30	0.00	9.37	0.01	0.00	1.28	1.32	0.00	9.36	0.01	0.00
1.29	1.34	0.00	9.36	0.01	0.00	1.30	1.37	0.00	9.35	0.01	0.00
1.31	1.39	0.00	9.35	0.01	0.00	1.32	1.40	0.00	9.34	0.01	0.00
1.33	1.40	0.00	9.34	0.01	0.00	1.34	1.39	0.00	9.33	0.01	0.00
1.35	1.38	0.00	9.32	0.01	0.00	1.36	1.36	0.00	9.32	0.01	0.00
1.37	1.37	0.00	9.31	0.01	0.00	1.38	1.39	0.00	9.31	0.01	0.00
1.39	1.42	0.00	9.30	0.01	0.00	1.40	1.45	0.00	9.30	0.01	0.00
1.41	1.47	0.00	9.29	0.01	0.00	1.42	1.50	0.00	9.29	0.01	0.00
1.43	1.53	0.00	9.29	0.01	0.00	1.44	1.55	0.00	9.28	0.01	0.00
1.45	1.56	0.00	9.28	0.01	0.00	1.46	1.56	0.00	9.27	0.01	0.00
1.47	1.57	0.00	9.27	0.01	0.00	1.48	1.57	0.00	9.26	0.01	0.00
1.49	1.58	0.00	9.26	0.01	0.00	1.50	1.61	0.00	9.25	0.01	0.00
1.51	1.64	0.00	9.24	0.01	0.00	1.52	1.68	0.00	9.24	0.01	0.00
1.53	1.71	0.00	9.23	0.01	0.00	1.54	1.76	0.00	9.23	0.01	0.00
1.55	1.81	0.00	9.22	0.01	0.00	1.56	1.84	0.00	9.22	0.01	0.00
1.57	1.85	0.00	9.21	0.01	0.00	1.58	1.84	0.00	9.21	0.01	0.00
1.59	1.81	0.00	9.21	0.01	0.00	1.60	1.78	0.00	9.20	0.01	0.00
1.61	1.77	0.00	9.20	0.01	0.00	1.62	1.76	0.00	9.19	0.01	0.00
1.63	1.76	0.00	9.19	0.01	0.00	1.64	1.78	0.00	9.18	0.01	0.00
1.65	1.80	0.00	9.18	0.01	0.00	1.66	1.83	0.00	9.17	0.01	0.00
1.67	1.85	0.00	9.16	0.01	0.00	1.68	1.86	0.00	9.16	0.01	0.00
1.69	1.85	0.00	9.15	0.01	0.00	1.70	1.82	0.00	9.15	0.01	0.00
1.71	1.78	0.00	9.14	0.01	0.00	1.72	1.73	0.00	9.14	0.01	0.00
1.73	1.68	0.00	9.13	0.01	0.00	1.74	1.62	0.00	9.13	0.01	0.00
1.75	1.58	0.00	9.13	0.01	0.00	1.76	1.55	0.00	9.12	0.01	0.00
1.77	1.53	0.00	9.12	0.01	0.00	1.78	1.53	0.00	9.11	0.01	0.00
1.79	1.52	0.00	9.11	0.01	0.00	1.80	1.52	0.00	9.10	0.01	0.00
1.81	1.51	0.00	9.10	0.01	0.00	1.82	1.51	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	1.53	0.00	9.06	0.01	0.00	1.88	1.57	0.00	9.06	0.01	0.00
1.89	1.60	0.00	9.05	0.01	0.00	1.90	1.62	0.00	9.05	0.01	0.00
1.91	1.60	0.00	9.04	0.01	0.00	1.92	1.57	0.00	9.04	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
1.93	1.54	0.00	9.04	0.01	0.00	1.94	1.65	0.00	9.03	0.01	0.00
1.95	1.76	0.00	9.03	0.01	0.00	1.96	1.86	0.00	9.02	0.01	0.00
1.97	1.96	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	8.98	0.01	0.00	2.04	2.00	0.00	8.98	0.01	0.00
2.05	2.00	0.00	8.97	0.01	0.00	2.06	2.00	0.00	8.97	0.01	0.00
2.07	2.00	0.00	8.96	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	8.90	0.01	0.00	2.20	2.00	0.00	8.90	0.01	0.00
2.21	2.00	0.00	8.89	0.01	0.00	2.22	2.00	0.00	8.89	0.01	0.00
2.23	2.00	0.00	8.88	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	8.81	0.01	0.00	2.38	2.00	0.00	8.81	0.01	0.00
2.39	2.00	0.00	8.80	0.01	0.00	2.40	2.00	0.00	8.80	0.01	0.00
2.41	2.00	0.00	8.79	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	8.73	0.01	0.00	2.54	2.00	0.00	8.73	0.01	0.00
2.55	2.00	0.00	8.72	0.01	0.00	2.56	2.00	0.00	8.72	0.01	0.00
2.57	2.00	0.00	8.71	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	8.65	0.01	0.00	2.70	2.00	0.00	8.65	0.01	0.00
2.71	2.00	0.00	8.64	0.01	0.00	2.72	2.00	0.00	8.64	0.01	0.00
2.73	2.00	0.00	8.63	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	8.56	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
2.89	1.96	0.00	8.55	0.01	0.00	2.90	1.92	0.00	8.55	0.01	0.00
2.91	1.89	0.00	8.54	0.01	0.00	2.92	1.81	0.00	8.54	0.01	0.00
2.93	1.73	0.00	8.54	0.01	0.00	2.94	1.64	0.00	8.53	0.01	0.00
2.95	1.62	0.00	8.53	0.01	0.00	2.96	1.59	0.00	8.52	0.01	0.00
2.97	1.55	0.00	8.52	0.01	0.00	2.98	1.54	0.00	8.51	0.01	0.00
2.99	1.54	0.00	8.51	0.01	0.00	3.00	1.56	0.00	8.50	0.01	0.00
3.01	1.57	0.00	8.49	0.01	0.00	3.02	1.57	0.00	8.49	0.01	0.00
3.03	1.54	0.00	8.48	0.01	0.00	3.04	1.54	0.00	8.48	0.01	0.00
3.05	1.55	0.00	8.47	0.01	0.00	3.06	1.55	0.00	8.47	0.01	0.00
3.07	1.54	0.00	8.46	0.01	0.00	3.08	1.51	0.00	8.46	0.01	0.00
3.09	1.49	0.00	8.46	0.01	0.00	3.10	1.46	0.00	8.45	0.01	0.00
3.11	1.43	0.00	8.45	0.01	0.00	3.12	1.41	0.00	8.44	0.01	0.00
3.13	1.40	0.00	8.44	0.01	0.00	3.14	1.39	0.00	8.43	0.01	0.00
3.15	1.37	0.00	8.43	0.01	0.00	3.16	1.36	0.00	8.42	0.01	0.00
3.17	1.35	0.00	8.41	0.01	0.00	3.18	1.34	0.00	8.41	0.01	0.00
3.19	1.33	0.00	8.40	0.01	0.00	3.20	1.32	0.00	8.40	0.01	0.00
3.21	1.32	0.00	8.39	0.01	0.00	3.22	1.32	0.00	8.39	0.01	0.00
3.23	1.33	0.00	8.38	0.01	0.00	3.24	1.34	0.00	8.38	0.01	0.00
3.25	1.35	0.00	8.38	0.01	0.00	3.26	1.36	0.00	8.37	0.01	0.00
3.27	1.36	0.00	8.37	0.01	0.00	3.28	1.37	0.00	8.36	0.01	0.00
3.29	1.38	0.00	8.36	0.01	0.00	3.30	1.38	0.00	8.35	0.01	0.00
3.31	1.39	0.00	8.35	0.01	0.00	3.32	1.38	0.00	8.34	0.01	0.00
3.33	1.37	0.00	8.34	0.01	0.00	3.34	1.34	0.00	8.33	0.01	0.00
3.35	1.32	0.00	8.32	0.01	0.00	3.36	1.28	0.00	8.32	0.01	0.00
3.37	1.26	0.00	8.31	0.01	0.00	3.38	1.23	0.00	8.31	0.01	0.00
3.39	1.22	0.00	8.30	0.01	0.00	3.40	1.22	0.00	8.30	0.01	0.00
3.41	1.23	0.00	8.29	0.01	0.00	3.42	1.26	0.00	8.29	0.01	0.00
3.43	1.29	0.00	8.29	0.01	0.00	3.44	1.33	0.00	8.28	0.01	0.00
3.45	1.37	0.00	8.28	0.01	0.00	3.46	1.41	0.00	8.27	0.01	0.00
3.47	1.43	0.00	8.27	0.01	0.00	3.48	1.45	0.00	8.26	0.01	0.00
3.49	1.47	0.00	8.26	0.01	0.00	3.50	1.51	0.00	8.25	0.01	0.00
3.51	1.55	0.00	8.24	0.01	0.00	3.52	1.58	0.00	8.24	0.01	0.00
3.53	1.58	0.00	8.23	0.01	0.00	3.54	1.56	0.00	8.23	0.01	0.00
3.55	1.55	0.00	8.22	0.01	0.00	3.56	1.54	0.00	8.22	0.01	0.00
3.57	1.53	0.00	8.21	0.01	0.00	3.58	1.54	0.00	8.21	0.01	0.00
3.59	1.55	0.00	8.21	0.01	0.00	3.60	1.54	0.00	8.20	0.01	0.00
3.61	1.54	0.00	8.20	0.01	0.00	3.62	1.52	0.00	8.19	0.01	0.00
3.63	1.48	0.00	8.19	0.01	0.00	3.64	1.44	0.00	8.18	0.01	0.00
3.65	1.39	0.00	8.18	0.01	0.00	3.66	1.35	0.00	8.17	0.01	0.00
3.67	1.32	0.00	8.16	0.01	0.00	3.68	1.27	0.00	8.16	0.01	0.00
3.69	1.23	0.00	8.15	0.01	0.00	3.70	1.18	0.00	8.15	0.01	0.00
3.71	1.14	0.00	8.14	0.01	0.00	3.72	1.09	0.00	8.14	0.01	0.00
3.73	1.06	0.00	8.13	0.01	0.00	3.74	1.05	0.00	8.13	0.01	0.00
3.75	1.05	0.00	8.13	0.01	0.00	3.76	1.03	0.00	8.12	0.01	0.00
3.77	1.00	0.00	8.12	0.01	0.00	3.78	0.89	0.11	8.11	0.01	0.01
3.79	0.87	0.13	8.11	0.01	0.01	3.80	0.84	0.16	8.10	0.01	0.01
3.81	0.81	0.19	8.10	0.01	0.02	3.82	0.78	0.22	8.09	0.01	0.02
3.83	0.75	0.25	8.09	0.01	0.02	3.84	0.74	0.26	8.08	0.01	0.02

:: 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
3.85	0.75	0.25	8.07	0.01	0.02	3.86	0.76	0.24	8.07	0.01	0.02
3.87	0.78	0.22	8.06	0.01	0.02	3.88	0.80	0.20	8.06	0.01	0.02
3.89	0.83	0.17	8.05	0.01	0.01	3.90	0.85	0.15	8.05	0.01	0.01
3.91	0.85	0.15	8.04	0.01	0.01	3.92	0.83	0.17	8.04	0.01	0.01
3.93	0.82	0.18	8.04	0.01	0.01	3.94	0.81	0.19	8.03	0.01	0.02
3.95	0.80	0.20	8.03	0.01	0.02	3.96	0.77	0.23	8.02	0.01	0.02
3.97	0.75	0.25	8.02	0.01	0.02	3.98	0.73	0.27	8.01	0.01	0.02
3.99	0.72	0.28	8.01	0.01	0.02	4.00	0.71	0.29	8.00	0.01	0.02
4.01	0.70	0.30	8.00	0.01	0.02	4.02	0.70	0.30	7.99	0.01	0.02
4.03	0.69	0.31	7.99	0.01	0.02	4.04	0.68	0.32	7.98	0.01	0.03
4.05	0.77	0.23	7.97	0.01	0.02	4.06	0.78	0.22	7.97	0.01	0.02
4.07	0.80	0.20	7.96	0.01	0.02	4.08	0.83	0.17	7.96	0.01	0.01
4.09	0.85	0.15	7.96	0.01	0.01	4.10	0.87	0.13	7.95	0.01	0.01
4.11	0.90	0.10	7.95	0.01	0.01	4.12	0.94	0.06	7.94	0.01	0.00
4.13	0.90	0.10	7.93	0.01	0.01	4.14	0.92	0.08	7.93	0.01	0.01
4.15	0.94	0.06	7.92	0.01	0.00	4.16	0.95	0.05	7.92	0.01	0.00
4.17	0.96	0.04	7.92	0.01	0.00	4.18	0.94	0.06	7.91	0.01	0.00
4.19	0.92	0.08	7.91	0.01	0.01	4.20	0.89	0.11	7.90	0.01	0.01
4.21	0.86	0.14	7.89	0.01	0.01	4.22	0.83	0.17	7.89	0.01	0.01
4.23	0.80	0.20	7.88	0.01	0.02	4.24	0.78	0.22	7.88	0.01	0.02
4.25	0.76	0.24	7.88	0.01	0.02	4.26	0.75	0.25	7.87	0.01	0.02
4.27	0.83	0.17	7.87	0.01	0.01	4.28	0.84	0.16	7.86	0.01	0.01
4.29	0.85	0.15	7.86	0.01	0.01	4.30	0.86	0.14	7.85	0.01	0.01
4.31	0.88	0.12	7.84	0.01	0.01	4.32	0.89	0.11	7.84	0.01	0.01
4.33	0.90	0.10	7.83	0.01	0.01	4.34	0.91	0.09	7.83	0.01	0.01
4.35	0.91	0.09	7.83	0.01	0.01	4.36	0.90	0.10	7.82	0.01	0.01
4.37	0.90	0.10	7.82	0.01	0.01	4.38	0.89	0.11	7.81	0.01	0.01
4.39	0.88	0.12	7.80	0.01	0.01	4.40	0.87	0.13	7.80	0.01	0.01
4.41	0.86	0.14	7.79	0.01	0.01	4.42	0.86	0.14	7.79	0.01	0.01
4.43	0.85	0.15	7.79	0.01	0.01	4.44	0.85	0.15	7.78	0.01	0.01
4.45	0.85	0.15	7.78	0.01	0.01	4.46	0.85	0.15	7.77	0.01	0.01
4.47	0.86	0.14	7.76	0.01	0.01	4.48	0.86	0.14	7.76	0.01	0.01
4.49	0.86	0.14	7.75	0.01	0.01	4.50	0.86	0.14	7.75	0.01	0.01
4.51	0.87	0.13	7.75	0.01	0.01	4.52	0.87	0.13	7.74	0.01	0.01
4.53	0.86	0.14	7.74	0.01	0.01	4.54	0.86	0.14	7.73	0.01	0.01
4.55	0.85	0.15	7.72	0.01	0.01	4.56	0.85	0.15	7.72	0.01	0.01
4.57	0.85	0.15	7.71	0.01	0.01	4.58	0.84	0.16	7.71	0.01	0.01
4.59	0.84	0.16	7.71	0.01	0.01	4.60	0.84	0.16	7.70	0.01	0.01
4.61	0.84	0.16	7.70	0.01	0.01	4.62	0.84	0.16	7.69	0.01	0.01
4.63	0.84	0.16	7.68	0.01	0.01	4.64	0.84	0.16	7.68	0.01	0.01
4.65	0.84	0.16	7.67	0.01	0.01	4.66	0.84	0.16	7.67	0.01	0.01
4.67	0.84	0.16	7.67	0.01	0.01	4.68	0.84	0.16	7.66	0.01	0.01
4.69	0.84	0.16	7.66	0.01	0.01	4.70	0.85	0.15	7.65	0.01	0.01
4.71	0.85	0.15	7.64	0.01	0.01	4.72	0.85	0.15	7.64	0.01	0.01
4.73	0.85	0.15	7.63	0.01	0.01	4.74	0.85	0.15	7.63	0.01	0.01
4.75	0.85	0.15	7.63	0.01	0.01	4.76	0.84	0.16	7.62	0.01	0.01
4.77	0.84	0.16	7.62	0.01	0.01	4.78	0.83	0.17	7.61	0.01	0.01
4.79	0.81	0.19	7.61	0.01	0.01	4.80	0.80	0.20	7.60	0.01	0.02

:: 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
4.81	0.78	0.22	7.59	0.01	0.02	4.82	0.76	0.24	7.59	0.01	0.02
4.83	0.74	0.26	7.58	0.01	0.02	4.84	0.73	0.27	7.58	0.01	0.02
4.85	0.71	0.29	7.58	0.01	0.02	4.86	0.69	0.31	7.57	0.01	0.02
4.87	0.67	0.33	7.57	0.01	0.03	4.88	0.65	0.35	7.56	0.01	0.03
4.89	0.64	0.36	7.55	0.01	0.03	4.90	0.63	0.37	7.55	0.01	0.03
4.91	0.63	0.37	7.54	0.01	0.03	4.92	0.59	0.41	7.54	0.01	0.03
4.93	0.56	0.44	7.54	0.01	0.03	4.94	0.53	0.47	7.53	0.01	0.04
4.95	0.53	0.47	7.53	0.01	0.04	4.96	0.53	0.47	7.52	0.01	0.04
4.97	0.53	0.47	7.51	0.01	0.04	4.98	0.53	0.47	7.51	0.01	0.04
4.99	0.52	0.48	7.50	0.01	0.04	5.00	0.52	0.48	7.50	0.01	0.04
5.01	0.51	0.49	7.50	0.01	0.04	5.02	0.51	0.49	7.49	0.01	0.04
5.03	0.50	0.50	7.49	0.01	0.04	5.04	0.50	0.50	7.48	0.01	0.04
5.05	0.49	0.51	7.47	0.01	0.04	5.06	0.49	0.51	7.47	0.01	0.04
5.07	0.49	0.51	7.46	0.01	0.04	5.08	0.48	0.52	7.46	0.01	0.04
5.09	0.48	0.52	7.46	0.01	0.04	5.10	0.47	0.53	7.45	0.01	0.04
5.11	0.47	0.53	7.45	0.01	0.04	5.12	0.47	0.53	7.44	0.01	0.04
5.13	0.46	0.54	7.43	0.01	0.04	5.14	0.40	0.60	7.43	0.01	0.04
5.15	0.40	0.60	7.42	0.01	0.04	5.16	0.40	0.60	7.42	0.01	0.04
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	0.40	0.60	7.41	0.01	0.04	5.20	0.40	0.60	7.40	0.01	0.04
5.21	0.41	0.59	7.39	0.01	0.04	5.22	0.41	0.59	7.39	0.01	0.04
5.23	0.41	0.59	7.38	0.01	0.04	5.24	0.41	0.59	7.38	0.01	0.04
5.25	0.41	0.59	7.38	0.01	0.04	5.26	0.40	0.60	7.37	0.01	0.04
5.27	0.39	0.61	7.37	0.01	0.04	5.28	0.45	0.55	7.36	0.01	0.04
5.29	0.46	0.54	7.36	0.01	0.04	5.30	0.49	0.51	7.35	0.01	0.04
5.31	0.53	0.47	7.34	0.01	0.03	5.32	2.00	0.00	7.34	0.01	0.00
5.33	2.00	0.00	7.33	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	0.81	0.19	7.32	0.01	0.01
5.37	0.75	0.25	7.32	0.01	0.02	5.38	0.74	0.26	7.31	0.01	0.02
5.39	0.76	0.24	7.30	0.01	0.02	5.40	0.79	0.21	7.30	0.01	0.02
5.41	0.82	0.18	7.29	0.01	0.01	5.42	0.83	0.17	7.29	0.01	0.01
5.43	0.82	0.18	7.29	0.01	0.01	5.44	0.79	0.21	7.28	0.01	0.02
5.45	0.67	0.33	7.28	0.01	0.02	5.46	0.65	0.35	7.27	0.01	0.03
5.47	0.63	0.37	7.26	0.01	0.03	5.48	0.62	0.38	7.26	0.01	0.03
5.49	0.59	0.41	7.25	0.01	0.03	5.50	0.58	0.42	7.25	0.01	0.03
5.51	0.57	0.43	7.25	0.01	0.03	5.52	0.58	0.42	7.24	0.01	0.03
5.53	0.71	0.29	7.24	0.01	0.02	5.54	0.76	0.24	7.23	0.01	0.02
5.55	0.81	0.19	7.22	0.01	0.01	5.56	0.82	0.18	7.22	0.01	0.01
5.57	0.83	0.17	7.21	0.01	0.01	5.58	0.83	0.17	7.21	0.01	0.01
5.59	0.82	0.18	7.21	0.01	0.01	5.60	0.81	0.19	7.20	0.01	0.01
5.61	0.80	0.20	7.20	0.01	0.01	5.62	0.79	0.21	7.19	0.01	0.02
5.63	0.78	0.22	7.18	0.01	0.02	5.64	0.77	0.23	7.18	0.01	0.02
5.65	0.76	0.24	7.17	0.01	0.02	5.66	0.76	0.24	7.17	0.01	0.02
5.67	0.75	0.25	7.17	0.01	0.02	5.68	0.75	0.25	7.16	0.01	0.02
5.69	0.65	0.35	7.16	0.01	0.03	5.70	0.64	0.36	7.15	0.01	0.03
5.71	0.62	0.38	7.14	0.01	0.03	5.72	0.60	0.40	7.14	0.01	0.03
5.73	0.58	0.42	7.13	0.01	0.03	5.74	0.55	0.45	7.13	0.01	0.03
5.75	0.52	0.48	7.13	0.01	0.03	5.76	0.49	0.51	7.12	0.01	0.04

:: 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
5.77	0.46	0.54	7.12	0.01	0.04	5.78	0.51	0.49	7.11	0.01	0.03
5.79	0.49	0.51	7.11	0.01	0.04	5.80	0.48	0.52	7.10	0.01	0.04
5.81	0.47	0.53	7.09	0.01	0.04	5.82	0.47	0.53	7.09	0.01	0.04
5.83	0.46	0.54	7.08	0.01	0.04	5.84	0.46	0.54	7.08	0.01	0.04
5.85	0.46	0.54	7.08	0.01	0.04	5.86	0.45	0.55	7.07	0.01	0.04
5.87	0.45	0.55	7.07	0.01	0.04	5.88	0.45	0.55	7.06	0.01	0.04
5.89	0.45	0.55	7.05	0.01	0.04	5.90	0.45	0.55	7.05	0.01	0.04
5.91	0.45	0.55	7.04	0.01	0.04	5.92	0.44	0.56	7.04	0.01	0.04
5.93	0.37	0.63	7.04	0.01	0.04	5.94	0.36	0.64	7.03	0.01	0.04
5.95	0.36	0.64	7.03	0.01	0.04	5.96	0.36	0.64	7.02	0.01	0.04
5.97	0.36	0.64	7.01	0.01	0.04	5.98	0.36	0.64	7.01	0.01	0.04
5.99	0.36	0.64	7.00	0.01	0.05	6.00	0.35	0.65	7.00	0.01	0.05
6.01	0.35	0.65	7.00	0.01	0.05	6.02	0.35	0.65	6.99	0.01	0.05
6.03	0.35	0.65	6.99	0.01	0.05	6.04	0.35	0.65	6.98	0.01	0.05
6.05	0.35	0.65	6.97	0.01	0.05	6.06	0.35	0.65	6.97	0.01	0.05
6.07	0.35	0.65	6.96	0.01	0.05	6.08	0.35	0.65	6.96	0.01	0.04
6.09	0.36	0.64	6.96	0.01	0.04	6.10	0.36	0.64	6.95	0.01	0.04
6.11	0.35	0.65	6.95	0.01	0.04	6.12	0.35	0.65	6.94	0.01	0.05
6.13	0.34	0.66	6.93	0.01	0.05	6.14	0.34	0.66	6.93	0.01	0.05
6.15	0.33	0.67	6.92	0.01	0.05	6.16	0.33	0.67	6.92	0.01	0.05
6.17	0.33	0.67	6.92	0.01	0.05	6.18	0.33	0.67	6.91	0.01	0.05
6.19	0.34	0.66	6.91	0.01	0.05	6.20	0.42	0.58	6.90	0.01	0.04
6.21	0.43	0.57	6.89	0.01	0.04	6.22	0.44	0.56	6.89	0.01	0.04
6.23	0.46	0.54	6.88	0.01	0.04	6.24	0.48	0.52	6.88	0.01	0.04
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	0.59	0.41	6.86	0.01	0.03
6.29	0.58	0.42	6.86	0.01	0.03	6.30	0.58	0.42	6.85	0.01	0.03
6.31	0.60	0.40	6.84	0.01	0.03	6.32	0.61	0.39	6.84	0.01	0.03
6.33	0.61	0.39	6.83	0.01	0.03	6.34	0.59	0.41	6.83	0.01	0.03
6.35	0.57	0.43	6.83	0.01	0.03	6.36	0.55	0.45	6.82	0.01	0.03
6.37	0.54	0.46	6.82	0.01	0.03	6.38	0.53	0.47	6.81	0.01	0.03
6.39	0.51	0.49	6.80	0.01	0.03	6.40	0.50	0.50	6.80	0.01	0.03
6.41	0.48	0.52	6.79	0.01	0.04	6.42	0.48	0.52	6.79	0.01	0.04
6.43	0.48	0.52	6.79	0.01	0.04	6.44	0.50	0.50	6.78	0.01	0.03
6.45	0.51	0.49	6.78	0.01	0.03	6.46	2.00	0.00	6.77	0.01	0.00
6.47	2.00	0.00	6.76	0.01	0.00	6.48	2.00	0.00	6.76	0.01	0.00
6.49	0.67	0.33	6.75	0.01	0.02	6.50	0.65	0.35	6.75	0.01	0.02
6.51	0.63	0.37	6.75	0.01	0.03	6.52	0.61	0.39	6.74	0.01	0.03
6.53	0.59	0.41	6.74	0.01	0.03	6.54	0.57	0.43	6.73	0.01	0.03
6.55	0.55	0.45	6.72	0.01	0.03	6.56	0.52	0.48	6.72	0.01	0.03
6.57	0.51	0.49	6.71	0.01	0.03	6.58	0.51	0.49	6.71	0.01	0.03
6.59	0.52	0.48	6.71	0.01	0.03	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	6.68	0.01	0.00	6.64	2.00	0.00	6.68	0.01	0.00
6.65	2.00	0.00	6.67	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	0.59	0.41	6.66	0.01	0.03	6.70	0.57	0.43	6.65	0.01	0.03
6.71	0.55	0.45	6.64	0.01	0.03	6.72	0.53	0.47	6.64	0.01	0.03

:: 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
6.73	0.51	0.49	6.63	0.01	0.03	6.74	0.49	0.51	6.63	0.01	0.03
6.75	0.47	0.53	6.63	0.01	0.04	6.76	0.46	0.54	6.62	0.01	0.04
6.77	0.44	0.56	6.62	0.01	0.04	6.78	0.43	0.57	6.61	0.01	0.04
6.79	0.42	0.58	6.61	0.01	0.04	6.80	0.35	0.65	6.60	0.01	0.04
6.81	0.35	0.65	6.59	0.01	0.04	6.82	0.35	0.65	6.59	0.01	0.04
6.83	0.34	0.66	6.58	0.01	0.04	6.84	0.34	0.66	6.58	0.01	0.04
6.85	0.34	0.66	6.58	0.01	0.04	6.86	0.34	0.66	6.57	0.01	0.04
6.87	0.34	0.66	6.57	0.01	0.04	6.88	0.34	0.66	6.56	0.01	0.04
6.89	0.33	0.67	6.55	0.01	0.04	6.90	0.33	0.67	6.55	0.01	0.04
6.91	0.33	0.67	6.54	0.01	0.04	6.92	0.33	0.67	6.54	0.01	0.04
6.93	0.33	0.67	6.54	0.01	0.04	6.94	0.32	0.68	6.53	0.01	0.04
6.95	0.32	0.68	6.53	0.01	0.04	6.96	0.32	0.68	6.52	0.01	0.04
6.97	0.32	0.68	6.51	0.01	0.04	6.98	0.32	0.68	6.51	0.01	0.04
6.99	0.32	0.68	6.50	0.01	0.04	7.00	0.32	0.68	6.50	0.01	0.04
7.01	0.40	0.60	6.50	0.01	0.04	7.02	0.42	0.58	6.49	0.01	0.04
7.03	0.44	0.56	6.49	0.01	0.04	7.04	0.47	0.53	6.48	0.01	0.03
7.05	0.50	0.50	6.47	0.01	0.03	7.06	0.54	0.46	6.47	0.01	0.03
7.07	0.57	0.43	6.46	0.01	0.03	7.08	0.61	0.39	6.46	0.01	0.03
7.09	0.66	0.34	6.46	0.01	0.02	7.10	0.71	0.29	6.45	0.01	0.02
7.11	0.74	0.26	6.45	0.01	0.02	7.12	0.74	0.26	6.44	0.01	0.02
7.13	0.74	0.26	6.43	0.01	0.02	7.14	0.72	0.28	6.43	0.01	0.02
7.15	0.70	0.30	6.42	0.01	0.02	7.16	0.66	0.34	6.42	0.01	0.02
7.17	0.63	0.37	6.42	0.01	0.02	7.18	0.59	0.41	6.41	0.01	0.03
7.19	0.55	0.45	6.41	0.01	0.03	7.20	0.52	0.48	6.40	0.01	0.03
7.21	0.49	0.51	6.39	0.01	0.03	7.22	0.48	0.52	6.39	0.01	0.03
7.23	0.48	0.52	6.38	0.01	0.03	7.24	0.47	0.53	6.38	0.01	0.03
7.25	0.46	0.54	6.38	0.01	0.03	7.26	0.45	0.55	6.37	0.01	0.03
7.27	0.45	0.55	6.37	0.01	0.03	7.28	0.45	0.55	6.36	0.01	0.04
7.29	0.45	0.55	6.36	0.01	0.04	7.30	0.44	0.56	6.35	0.01	0.04
7.31	0.44	0.56	6.34	0.01	0.04	7.32	0.44	0.56	6.34	0.01	0.04
7.33	0.45	0.55	6.33	0.01	0.03	7.34	0.46	0.54	6.33	0.01	0.03
7.35	0.47	0.53	6.33	0.01	0.03	7.36	0.48	0.52	6.32	0.01	0.03
7.37	0.49	0.51	6.32	0.01	0.03	7.38	0.51	0.49	6.31	0.01	0.03
7.39	0.52	0.48	6.30	0.01	0.03	7.40	0.53	0.47	6.30	0.01	0.03
7.41	0.54	0.46	6.29	0.01	0.03	7.42	0.54	0.46	6.29	0.01	0.03
7.43	0.53	0.47	6.29	0.01	0.03	7.44	0.45	0.55	6.28	0.01	0.03
7.45	0.45	0.55	6.28	0.01	0.03	7.46	0.44	0.56	6.27	0.01	0.04
7.47	0.43	0.57	6.26	0.01	0.04	7.48	0.42	0.58	6.26	0.01	0.04
7.49	0.41	0.59	6.25	0.01	0.04	7.50	0.40	0.60	6.25	0.01	0.04
7.51	0.39	0.61	6.25	0.01	0.04	7.52	0.38	0.62	6.24	0.01	0.04
7.53	0.44	0.56	6.24	0.01	0.03	7.54	0.45	0.55	6.23	0.01	0.03
7.55	0.47	0.53	6.22	0.01	0.03	7.56	0.49	0.51	6.22	0.01	0.03
7.57	0.52	0.48	6.21	0.01	0.03	7.58	0.57	0.43	6.21	0.01	0.03
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	6.18	0.01	0.00	7.64	2.00	0.00	6.18	0.01	0.00
7.65	2.00	0.00	6.17	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	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	6.14	0.01	0.00	7.72	2.00	0.00	6.14	0.01	0.00
7.73	2.00	0.00	6.13	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	6.09	0.01	0.00	7.82	2.00	0.00	6.09	0.01	0.00
7.83	2.00	0.00	6.08	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	6.05	0.01	0.00	7.90	2.00	0.00	6.05	0.01	0.00
7.91	2.00	0.00	6.04	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	6.01	0.01	0.00	7.98	2.00	0.00	6.01	0.01	0.00
7.99	2.00	0.00	6.00	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	5.97	0.01	0.00	8.06	2.00	0.00	5.97	0.01	0.00
8.07	2.00	0.00	5.96	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	5.93	0.01	0.00	8.14	2.00	0.00	5.93	0.01	0.00
8.15	2.00	0.00	5.92	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	5.89	0.01	0.00	8.22	2.00	0.00	5.89	0.01	0.00
8.23	2.00	0.00	5.88	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	5.84	0.01	0.00	8.32	2.00	0.00	5.84	0.01	0.00
8.33	2.00	0.00	5.83	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	5.80	0.01	0.00	8.40	2.00	0.00	5.80	0.01	0.00
8.41	2.00	0.00	5.79	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	5.76	0.01	0.00	8.48	2.00	0.00	5.76	0.01	0.00
8.49	2.00	0.00	5.75	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	5.71	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
8.65	2.00	0.00	5.67	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	5.63	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	5.59	0.01	0.00	8.82	2.00	0.00	5.59	0.01	0.00
8.83	2.00	0.00	5.58	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	5.55	0.01	0.00	8.90	2.00	0.00	5.55	0.01	0.00
8.91	2.00	0.00	5.54	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	5.51	0.01	0.00	8.98	2.00	0.00	5.51	0.01	0.00
8.99	2.00	0.00	5.50	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	5.46	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	5.42	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	5.38	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	5.34	0.01	0.00	9.32	2.00	0.00	5.34	0.01	0.00
9.33	2.00	0.00	5.33	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	5.30	0.01	0.00	9.40	2.00	0.00	5.30	0.01	0.00
9.41	2.00	0.00	5.29	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	5.26	0.01	0.00	9.48	2.00	0.00	5.26	0.01	0.00
9.49	2.00	0.00	5.25	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	5.21	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
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	5.17	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	5.13	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	5.09	0.01	0.00	9.82	2.00	0.00	5.09	0.01	0.00
9.83	2.00	0.00	5.08	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	5.05	0.01	0.00	9.90	2.00	0.00	5.05	0.01	0.00
9.91	2.00	0.00	5.04	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	5.01	0.01	0.00	9.98	2.00	0.00	5.01	0.01	0.00
9.99	2.00	0.00	5.00	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	4.96	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	4.92	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	4.88	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	4.84	0.01	0.00	10.32	2.00	0.00	4.84	0.01	0.00
10.33	2.00	0.00	4.83	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	4.80	0.01	0.00	10.40	2.00	0.00	4.80	0.01	0.00
10.41	2.00	0.00	4.79	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	4.76	0.01	0.00	10.48	2.00	0.00	4.76	0.01	0.00
10.49	2.00	0.00	4.75	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	4.71	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	4.67	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	4.63	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	4.59	0.01	0.00	10.82	2.00	0.00	4.59	0.01	0.00
10.83	2.00	0.00	4.58	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	4.55	0.01	0.00	10.90	2.00	0.00	4.55	0.01	0.00
10.91	2.00	0.00	4.54	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	4.51	0.01	0.00	10.98	2.00	0.00	4.51	0.01	0.00
10.99	2.00	0.00	4.50	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	4.46	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	4.42	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	4.38	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	4.34	0.01	0.00	11.32	2.00	0.00	4.34	0.01	0.00
11.33	2.00	0.00	4.33	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	4.30	0.01	0.00	11.40	2.00	0.00	4.30	0.01	0.00
11.41	2.00	0.00	4.29	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	4.26	0.01	0.00	11.48	2.00	0.00	4.26	0.01	0.00
11.49	2.00	0.00	4.25	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	4.21	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	4.17	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	4.13	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	4.09	0.01	0.00	11.82	2.00	0.00	4.09	0.01	0.00
11.83	2.00	0.00	4.08	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	4.05	0.01	0.00	11.90	2.00	0.00	4.05	0.01	0.00
11.91	2.00	0.00	4.04	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	4.01	0.01	0.00	11.98	2.00	0.00	4.01	0.01	0.00
11.99	2.00	0.00	4.00	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	3.98	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	3.96	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	3.94	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	3.92	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	3.90	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	3.88	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	3.85	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	3.83	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	3.81	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	3.79	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	3.77	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 _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
12.49	2.00	0.00	3.75	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	3.73	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	3.71	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	3.69	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	3.67	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	3.65	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	3.63	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	3.60	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	3.58	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	3.56	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	3.54	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	3.52	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	3.50	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	3.48	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	3.46	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	3.44	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	3.42	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	3.40	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	3.38	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	3.35	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	3.33	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	3.31	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	3.29	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	3.27	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	3.25	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	3.23	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	3.21	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	3.19	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	3.17	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	3.15	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	3.13	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	3.10	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	3.08	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	3.06	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	3.04	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	3.02	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	3.00	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	2.98	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	2.96	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	2.94	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	2.92	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	2.90	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	2.88	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	2.85	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	2.83	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	2.81	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	2.79	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	2.77	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	2.75	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	2.73	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	2.71	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	2.69	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	2.60	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	2.58	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	2.56	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	2.54	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	2.52	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	2.50	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	2.48	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	2.46	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	2.44	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
15.21	2.00	0.00	2.40	0.01	0.00	15.22	2.00	0.00	2.39	0.01	0.00
15.23	2.00	0.00	2.38	0.01	0.00	15.24	2.00	0.00	2.38	0.01	0.00
15.25	2.00	0.00	2.38	0.01	0.00	15.26	2.00	0.00	2.37	0.01	0.00
15.27	2.00	0.00	2.37	0.01	0.00	15.28	2.00	0.00	2.36	0.01	0.00
15.29	2.00	0.00	2.35	0.01	0.00	15.30	2.00	0.00	2.35	0.01	0.00
15.31	2.00	0.00	2.35	0.01	0.00	15.32	2.00	0.00	2.34	0.01	0.00
15.33	2.00	0.00	2.33	0.01	0.00	15.34	2.00	0.00	2.33	0.01	0.00
15.35	2.00	0.00	2.33	0.01	0.00	15.36	2.00	0.00	2.32	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
15.37	2.00	0.00	2.31	0.01	0.00	15.38	2.00	0.00	2.31	0.01	0.00
15.39	2.00	0.00	2.31	0.01	0.00	15.40	2.00	0.00	2.30	0.01	0.00
15.41	2.00	0.00	2.29	0.01	0.00	15.42	2.00	0.00	2.29	0.01	0.00
15.43	2.00	0.00	2.29	0.01	0.00	15.44	2.00	0.00	2.28	0.01	0.00
15.45	2.00	0.00	2.27	0.01	0.00	15.46	2.00	0.00	2.27	0.01	0.00
15.47	2.00	0.00	2.27	0.01	0.00	15.48	2.00	0.00	2.26	0.01	0.00
15.49	2.00	0.00	2.25	0.01	0.00	15.50	2.00	0.00	2.25	0.01	0.00
15.51	2.00	0.00	2.25	0.01	0.00	15.52	2.00	0.00	2.24	0.01	0.00
15.53	2.00	0.00	2.23	0.01	0.00	15.54	2.00	0.00	2.23	0.01	0.00
15.55	2.00	0.00	2.23	0.01	0.00	15.56	2.00	0.00	2.22	0.01	0.00
15.57	2.00	0.00	2.21	0.01	0.00	15.58	2.00	0.00	2.21	0.01	0.00
15.59	2.00	0.00	2.21	0.01	0.00	15.60	2.00	0.00	2.20	0.01	0.00
15.61	2.00	0.00	2.19	0.01	0.00	15.62	2.00	0.00	2.19	0.01	0.00
15.63	2.00	0.00	2.19	0.01	0.00	15.64	2.00	0.00	2.18	0.01	0.00
15.65	2.00	0.00	2.17	0.01	0.00	15.66	2.00	0.00	2.17	0.01	0.00
15.67	2.00	0.00	2.17	0.01	0.00	15.68	2.00	0.00	2.16	0.01	0.00
15.69	2.00	0.00	2.15	0.01	0.00	15.70	2.00	0.00	2.15	0.01	0.00
15.71	2.00	0.00	2.15	0.01	0.00	15.72	2.00	0.00	2.14	0.01	0.00
15.73	2.00	0.00	2.13	0.01	0.00	15.74	2.00	0.00	2.13	0.01	0.00
15.75	2.00	0.00	2.13	0.01	0.00	15.76	2.00	0.00	2.12	0.01	0.00
15.77	2.00	0.00	2.12	0.01	0.00	15.78	2.00	0.00	2.11	0.01	0.00
15.79	2.00	0.00	2.10	0.01	0.00	15.80	2.00	0.00	2.10	0.01	0.00

Overall liquefaction potential: 10.28

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

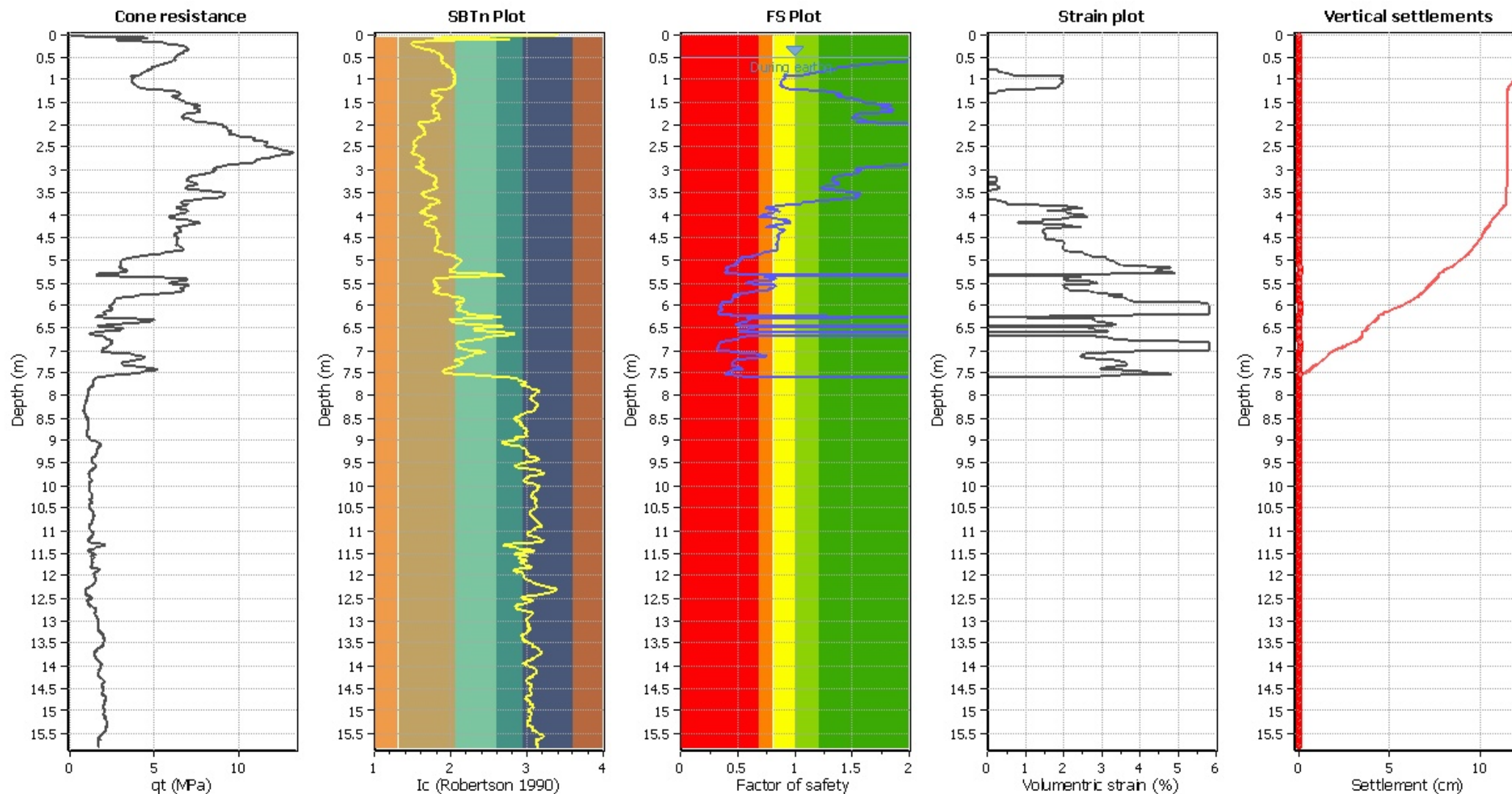
Abbreviations

FS: Calculated factor of safety for test point

F_L: 1 - FSw_z: Function value of the extend of soil liquefaction according to depthd_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

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
0.50	124.95	2.00	0.00	1.00	0.00	0.51	124.44	2.00	0.00	1.00	0.00
0.52	123.94	2.00	0.00	1.00	0.00	0.53	123.29	2.00	0.00	1.00	0.00
0.54	122.62	2.00	0.00	1.00	0.00	0.55	121.94	2.00	0.00	1.00	0.00
0.56	121.16	2.00	0.00	1.00	0.00	0.57	120.49	2.00	0.00	1.00	0.00
0.58	119.55	1.96	0.00	1.00	0.00	0.59	118.77	1.92	0.00	1.00	0.00
0.60	117.79	1.87	0.00	1.00	0.00	0.61	117.01	1.83	0.00	1.00	0.00
0.62	115.99	1.79	0.00	1.00	0.00	0.63	115.13	1.75	0.00	1.00	0.00
0.64	114.01	1.70	0.00	1.00	0.00	0.65	112.89	1.66	0.00	1.00	0.00
0.66	111.82	1.61	0.00	1.00	0.00	0.67	110.88	1.58	0.00	1.00	0.00
0.68	110.19	1.55	0.00	1.00	0.00	0.69	109.22	1.51	0.00	1.00	0.00
0.70	108.29	1.48	0.00	1.00	0.00	0.71	107.41	1.45	0.00	1.00	0.00
0.72	106.70	1.42	0.00	1.00	0.00	0.73	106.16	1.40	0.00	1.00	0.00
0.74	105.50	1.38	0.00	1.00	0.00	0.75	104.94	1.36	0.00	1.00	0.00
0.76	104.44	1.34	0.28	1.00	0.00	0.77	104.03	1.32	0.28	1.00	0.00
0.78	103.68	1.30	0.28	1.00	0.00	0.79	103.23	1.29	0.28	1.00	0.00
0.80	102.73	1.27	0.28	1.00	0.00	0.81	102.22	1.25	0.28	1.00	0.00
0.82	101.63	1.23	0.40	1.00	0.00	0.83	101.04	1.22	0.40	1.00	0.00
0.84	100.26	1.19	0.40	1.00	0.00	0.85	99.43	1.17	0.41	1.00	0.00
0.86	98.66	1.15	0.41	1.00	0.00	0.87	97.87	1.13	0.56	1.00	0.01
0.88	97.22	1.12	0.56	1.00	0.01	0.89	96.71	1.10	0.56	1.00	0.01
0.90	96.55	1.09	0.56	1.00	0.01	0.91	91.63	1.01	0.96	1.00	0.01
0.92	87.95	0.95	1.90	1.00	0.02	0.93	84.30	0.90	2.02	1.00	0.02
0.94	86.05	0.91	1.96	1.00	0.02	0.95	86.43	0.92	1.95	1.00	0.02
0.96	86.73	0.92	1.94	1.00	0.02	0.97	86.81	0.91	1.93	1.00	0.02
0.98	86.72	0.91	1.94	1.00	0.02	0.99	86.49	0.90	1.94	1.00	0.02
1.00	86.19	0.89	1.95	1.00	0.02	1.01	85.92	0.89	1.96	1.00	0.02
1.02	85.77	0.88	1.97	1.00	0.02	1.03	85.74	0.88	1.97	1.00	0.02
1.04	85.82	0.88	1.97	1.00	0.02	1.05	85.90	0.87	1.96	1.00	0.02
1.06	86.00	0.87	1.96	1.00	0.02	1.07	86.16	0.87	1.95	1.00	0.02
1.08	86.34	0.87	1.95	1.00	0.02	1.09	86.56	0.87	1.94	1.00	0.02
1.10	86.80	0.87	1.93	1.00	0.02	1.11	87.12	0.87	1.92	1.00	0.02
1.12	87.69	0.88	1.90	1.00	0.02	1.13	88.28	0.88	1.89	1.00	0.02
1.14	88.89	0.89	1.87	1.00	0.02	1.15	89.37	0.89	1.85	1.00	0.02
1.16	89.87	0.90	1.84	1.00	0.02	1.17	90.76	0.91	1.81	1.00	0.02
1.18	91.83	0.92	1.78	1.00	0.02	1.19	93.20	0.93	1.74	1.00	0.02
1.20	94.63	0.95	0.93	1.00	0.01	1.21	96.46	0.98	0.91	1.00	0.01
1.22	99.66	1.03	0.89	1.00	0.01	1.23	103.27	1.09	0.54	1.00	0.01
1.24	107.11	1.15	0.39	1.00	0.00	1.25	110.28	1.21	0.38	1.00	0.00
1.26	112.84	1.26	0.27	1.00	0.00	1.27	114.81	1.30	0.26	1.00	0.00
1.28	115.90	1.32	0.26	1.00	0.00	1.29	116.92	1.34	0.26	1.00	0.00
1.30	118.13	1.37	0.00	1.00	0.00	1.31	119.19	1.39	0.00	1.00	0.00
1.32	119.98	1.40	0.00	1.00	0.00	1.33	120.15	1.40	0.00	1.00	0.00
1.34	119.74	1.39	0.00	1.00	0.00	1.35	119.24	1.38	0.00	1.00	0.00
1.36	118.88	1.36	0.00	1.00	0.00	1.37	119.08	1.37	0.00	1.00	0.00
1.38	120.11	1.39	0.00	1.00	0.00	1.39	121.46	1.42	0.00	1.00	0.00
1.40	123.00	1.45	0.00	1.00	0.00	1.41	124.09	1.47	0.00	1.00	0.00
1.42	125.37	1.50	0.00	1.00	0.00	1.43	126.47	1.53	0.00	1.00	0.00
1.44	127.40	1.55	0.00	1.00	0.00	1.45	127.82	1.56	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
1.46	128.16	1.56	0.00	1.00	0.00	1.47	128.40	1.57	0.00	1.00	0.00
1.48	128.78	1.57	0.00	1.00	0.00	1.49	129.30	1.58	0.00	1.00	0.00
1.50	130.42	1.61	0.00	1.00	0.00	1.51	131.78	1.64	0.00	1.00	0.00
1.52	133.25	1.68	0.00	1.00	0.00	1.53	134.46	1.71	0.00	1.00	0.00
1.54	136.19	1.76	0.00	1.00	0.00	1.55	137.84	1.81	0.00	1.00	0.00
1.56	139.22	1.84	0.00	1.00	0.00	1.57	139.58	1.85	0.00	1.00	0.00
1.58	139.17	1.84	0.00	1.00	0.00	1.59	138.42	1.81	0.00	1.00	0.00
1.60	137.56	1.78	0.00	1.00	0.00	1.61	137.02	1.77	0.00	1.00	0.00
1.62	136.87	1.76	0.00	1.00	0.00	1.63	137.06	1.76	0.00	1.00	0.00
1.64	137.67	1.78	0.00	1.00	0.00	1.65	138.59	1.80	0.00	1.00	0.00
1.66	139.59	1.83	0.00	1.00	0.00	1.67	140.41	1.85	0.00	1.00	0.00
1.68	140.74	1.86	0.00	1.00	0.00	1.69	140.45	1.85	0.00	1.00	0.00
1.70	139.67	1.82	0.00	1.00	0.00	1.71	138.34	1.78	0.00	1.00	0.00
1.72	136.87	1.73	0.00	1.00	0.00	1.73	134.85	1.68	0.00	1.00	0.00
1.74	133.00	1.62	0.00	1.00	0.00	1.75	131.36	1.58	0.00	1.00	0.00
1.76	130.40	1.55	0.00	1.00	0.00	1.77	129.75	1.53	0.00	1.00	0.00
1.78	129.52	1.53	0.00	1.00	0.00	1.79	129.47	1.52	0.00	1.00	0.00
1.80	129.39	1.52	0.00	1.00	0.00	1.81	129.24	1.51	0.00	1.00	0.00
1.82	129.14	1.51	0.00	1.00	0.00	1.83	129.11	1.51	0.00	1.00	0.00
1.84	129.19	1.51	0.00	1.00	0.00	1.85	129.26	1.51	0.00	1.00	0.00
1.86	129.60	1.51	0.00	1.00	0.00	1.87	130.20	1.53	0.00	1.00	0.00
1.88	132.08	1.57	0.00	1.00	0.00	1.89	133.18	1.60	0.00	1.00	0.00
1.90	133.90	1.62	0.00	1.00	0.00	1.91	133.35	1.60	0.00	1.00	0.00
1.92	132.03	1.57	0.00	1.00	0.00	1.93	131.17	1.54	0.00	1.00	0.00
1.94	135.48	1.65	0.00	1.00	0.00	1.95	139.45	1.76	0.00	1.00	0.00
1.96	142.96	1.86	0.00	1.00	0.00	1.97	146.07	1.96	0.00	1.00	0.00
1.98	148.79	2.00	0.00	1.00	0.00	1.99	151.11	2.00	0.00	1.00	0.00
2.00	153.03	2.00	0.00	1.00	0.00	2.01	153.54	2.00	0.00	1.00	0.00
2.02	153.48	2.00	0.00	1.00	0.00	2.03	153.19	2.00	0.00	1.00	0.00
2.04	153.19	2.00	0.00	1.00	0.00	2.05	153.58	2.00	0.00	1.00	0.00
2.06	154.49	2.00	0.00	1.00	0.00	2.07	155.79	2.00	0.00	1.00	0.00
2.08	157.26	2.00	0.00	1.00	0.00	2.09	158.16	2.00	0.00	1.00	0.00
2.10	158.50	2.00	0.00	1.00	0.00	2.11	158.50	2.00	0.00	1.00	0.00
2.12	158.68	2.00	0.00	1.00	0.00	2.13	159.58	2.00	0.00	1.00	0.00
2.14	160.40	2.00	0.00	1.00	0.00	2.15	160.97	2.00	0.00	1.00	0.00
2.16	161.23	2.00	0.00	1.00	0.00	2.17	161.13	2.00	0.00	1.00	0.00
2.18	160.81	2.00	0.00	1.00	0.00	2.19	160.45	2.00	0.00	1.00	0.00
2.20	160.26	2.00	0.00	1.00	0.00	2.21	160.60	2.00	0.00	1.00	0.00
2.22	161.36	2.00	0.00	1.00	0.00	2.23	162.42	2.00	0.00	1.00	0.00
2.24	165.60	2.00	0.00	1.00	0.00	2.25	169.97	2.00	0.00	1.00	0.00
2.26	175.07	2.00	0.00	1.00	0.00	2.27	179.48	2.00	0.00	1.00	0.00
2.28	182.77	2.00	0.00	1.00	0.00	2.29	184.75	2.00	0.00	1.00	0.00
2.30	184.69	2.00	0.00	1.00	0.00	2.31	183.84	2.00	0.00	1.00	0.00
2.32	182.87	2.00	0.00	1.00	0.00	2.33	182.76	2.00	0.00	1.00	0.00
2.34	184.91	2.00	0.00	1.00	0.00	2.35	187.74	2.00	0.00	1.00	0.00
2.36	190.57	2.00	0.00	1.00	0.00	2.37	192.84	2.00	0.00	1.00	0.00
2.38	194.93	2.00	0.00	1.00	0.00	2.39	196.80	2.00	0.00	1.00	0.00
2.40	197.76	2.00	0.00	1.00	0.00	2.41	198.04	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
2.42	197.70	2.00	0.00	1.00	0.00	2.43	196.90	2.00	0.00	1.00	0.00
2.44	195.88	2.00	0.00	1.00	0.00	2.45	195.08	2.00	0.00	1.00	0.00
2.46	194.63	2.00	0.00	1.00	0.00	2.47	195.53	2.00	0.00	1.00	0.00
2.48	197.22	2.00	0.00	1.00	0.00	2.49	199.28	2.00	0.00	1.00	0.00
2.50	201.62	2.00	0.00	1.00	0.00	2.51	203.56	2.00	0.00	1.00	0.00
2.52	205.38	2.00	0.00	1.00	0.00	2.53	206.52	2.00	0.00	1.00	0.00
2.54	207.60	2.00	0.00	1.00	0.00	2.55	208.57	2.00	0.00	1.00	0.00
2.56	209.87	2.00	0.00	1.00	0.00	2.57	211.27	2.00	0.00	1.00	0.00
2.58	212.85	2.00	0.00	1.00	0.00	2.59	215.14	2.00	0.00	1.00	0.00
2.60	217.38	2.00	0.00	1.00	0.00	2.61	219.44	2.00	0.00	1.00	0.00
2.62	219.82	2.00	0.00	1.00	0.00	2.63	218.99	2.00	0.00	1.00	0.00
2.64	216.65	2.00	0.00	1.00	0.00	2.65	212.43	2.00	0.00	1.00	0.00
2.66	208.51	2.00	0.00	1.00	0.00	2.67	205.14	2.00	0.00	1.00	0.00
2.68	202.62	2.00	0.00	1.00	0.00	2.69	200.09	2.00	0.00	1.00	0.00
2.70	197.75	2.00	0.00	1.00	0.00	2.71	196.34	2.00	0.00	1.00	0.00
2.72	194.88	2.00	0.00	1.00	0.00	2.73	193.26	2.00	0.00	1.00	0.00
2.74	190.66	2.00	0.00	1.00	0.00	2.75	187.84	2.00	0.00	1.00	0.00
2.76	184.82	2.00	0.00	1.00	0.00	2.77	182.24	2.00	0.00	1.00	0.00
2.78	180.00	2.00	0.00	1.00	0.00	2.79	178.63	2.00	0.00	1.00	0.00
2.80	178.36	2.00	0.00	1.00	0.00	2.81	178.03	2.00	0.00	1.00	0.00
2.82	176.73	2.00	0.00	1.00	0.00	2.83	174.13	2.00	0.00	1.00	0.00
2.84	169.86	2.00	0.00	1.00	0.00	2.85	165.28	2.00	0.00	1.00	0.00
2.86	159.63	2.00	0.00	1.00	0.00	2.87	155.40	2.00	0.00	1.00	0.00
2.88	151.77	2.00	0.00	1.00	0.00	2.89	149.65	1.96	0.00	1.00	0.00
2.90	148.35	1.92	0.00	1.00	0.00	2.91	147.65	1.89	0.00	1.00	0.00
2.92	144.74	1.81	0.00	1.00	0.00	2.93	141.93	1.73	0.00	1.00	0.00
2.94	138.92	1.64	0.00	1.00	0.00	2.95	138.07	1.62	0.00	1.00	0.00
2.96	136.90	1.59	0.00	1.00	0.00	2.97	135.63	1.55	0.00	1.00	0.00
2.98	134.94	1.54	0.00	1.00	0.00	2.99	134.95	1.54	0.00	1.00	0.00
3.00	135.76	1.56	0.00	1.00	0.00	3.01	136.46	1.57	0.00	1.00	0.00
3.02	136.37	1.57	0.00	1.00	0.00	3.03	135.07	1.54	0.00	1.00	0.00
3.04	135.34	1.54	0.00	1.00	0.00	3.05	135.59	1.55	0.00	1.00	0.00
3.06	135.71	1.55	0.00	1.00	0.00	3.07	135.16	1.54	0.00	1.00	0.00
3.08	134.31	1.51	0.00	1.00	0.00	3.09	133.21	1.49	0.00	1.00	0.00
3.10	132.09	1.46	0.00	1.00	0.00	3.11	131.13	1.43	0.00	1.00	0.00
3.12	130.25	1.41	0.00	1.00	0.00	3.13	129.65	1.40	0.00	1.00	0.00
3.14	129.14	1.39	0.00	1.00	0.00	3.15	128.65	1.37	0.00	1.00	0.00
3.16	128.15	1.36	0.00	1.00	0.00	3.17	127.61	1.35	0.24	1.00	0.00
3.18	127.09	1.34	0.24	1.00	0.00	3.19	126.77	1.33	0.24	1.00	0.00
3.20	126.55	1.32	0.24	1.00	0.00	3.21	126.52	1.32	0.24	1.00	0.00
3.22	126.58	1.32	0.24	1.00	0.00	3.23	126.78	1.33	0.24	1.00	0.00
3.24	127.21	1.34	0.24	1.00	0.00	3.25	127.70	1.35	0.24	1.00	0.00
3.26	128.17	1.36	0.00	1.00	0.00	3.27	128.43	1.36	0.00	1.00	0.00
3.28	128.68	1.37	0.00	1.00	0.00	3.29	129.06	1.38	0.00	1.00	0.00
3.30	129.42	1.38	0.00	1.00	0.00	3.31	129.69	1.39	0.00	1.00	0.00
3.32	129.39	1.38	0.00	1.00	0.00	3.33	128.71	1.37	0.00	1.00	0.00
3.34	127.60	1.34	0.24	1.00	0.00	3.35	126.47	1.32	0.24	1.00	0.00
3.36	124.96	1.28	0.25	1.00	0.00	3.37	123.68	1.26	0.25	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
3.38	122.60	1.23	0.35	1.00	0.00	3.39	122.19	1.22	0.35	1.00	0.00
3.40	122.09	1.22	0.35	1.00	0.00	3.41	122.73	1.23	0.35	1.00	0.00
3.42	123.85	1.26	0.25	1.00	0.00	3.43	125.33	1.29	0.25	1.00	0.00
3.44	127.15	1.33	0.24	1.00	0.00	3.45	129.02	1.37	0.00	1.00	0.00
3.46	130.72	1.41	0.00	1.00	0.00	3.47	131.67	1.43	0.00	1.00	0.00
3.48	132.62	1.45	0.00	1.00	0.00	3.49	133.57	1.47	0.00	1.00	0.00
3.50	134.88	1.51	0.00	1.00	0.00	3.51	136.82	1.55	0.00	1.00	0.00
3.52	137.70	1.58	0.00	1.00	0.00	3.53	137.76	1.58	0.00	1.00	0.00
3.54	137.07	1.56	0.00	1.00	0.00	3.55	136.59	1.55	0.00	1.00	0.00
3.56	136.35	1.54	0.00	1.00	0.00	3.57	136.05	1.53	0.00	1.00	0.00
3.58	136.42	1.54	0.00	1.00	0.00	3.59	136.68	1.55	0.00	1.00	0.00
3.60	136.62	1.54	0.00	1.00	0.00	3.61	136.40	1.54	0.00	1.00	0.00
3.62	135.76	1.52	0.00	1.00	0.00	3.63	134.24	1.48	0.00	1.00	0.00
3.64	132.33	1.44	0.00	1.00	0.00	3.65	130.27	1.39	0.00	1.00	0.00
3.66	128.75	1.35	0.00	1.00	0.00	3.67	127.28	1.32	0.24	1.00	0.00
3.68	125.13	1.27	0.25	1.00	0.00	3.69	122.94	1.23	0.35	1.00	0.00
3.70	120.64	1.18	0.36	1.00	0.00	3.71	118.29	1.14	0.49	1.00	0.00
3.72	116.04	1.09	0.50	1.00	0.01	3.73	114.24	1.06	0.51	1.00	0.01
3.74	113.69	1.05	0.51	1.00	0.01	3.75	113.43	1.05	0.79	1.00	0.01
3.76	112.37	1.03	0.79	1.00	0.01	3.77	110.82	1.00	0.80	1.00	0.01
3.78	103.71	0.89	1.49	1.00	0.01	3.79	102.44	0.87	1.51	1.00	0.02
3.80	100.20	0.84	2.03	1.00	0.02	3.81	97.76	0.81	2.10	1.00	0.02
3.82	95.20	0.78	2.18	1.00	0.02	3.83	93.46	0.75	2.24	1.00	0.02
3.84	92.70	0.74	2.49	1.00	0.02	3.85	92.94	0.75	2.48	1.00	0.02
3.86	94.10	0.76	2.22	1.00	0.02	3.87	95.56	0.78	2.17	1.00	0.02
3.88	97.65	0.80	2.10	1.00	0.02	3.89	99.63	0.83	2.04	1.00	0.02
3.90	101.06	0.85	2.00	1.00	0.02	3.91	101.43	0.85	1.54	1.00	0.02
3.92	99.98	0.83	2.03	1.00	0.02	3.93	99.29	0.82	2.05	1.00	0.02
3.94	98.16	0.81	2.09	1.00	0.02	3.95	97.11	0.80	2.12	1.00	0.02
3.96	95.10	0.77	2.19	1.00	0.02	3.97	93.56	0.75	2.24	1.00	0.02
3.98	91.97	0.73	2.50	1.00	0.03	3.99	91.11	0.72	2.52	1.00	0.03
4.00	90.22	0.71	2.54	1.00	0.03	4.01	89.43	0.70	2.56	1.00	0.03
4.02	88.68	0.70	2.58	1.00	0.03	4.03	88.00	0.69	2.59	1.00	0.03
4.04	87.38	0.68	2.61	1.00	0.03	4.05	95.38	0.77	2.18	1.00	0.02
4.06	96.43	0.78	2.14	1.00	0.02	4.07	98.10	0.80	2.09	1.00	0.02
4.08	99.74	0.83	2.04	1.00	0.02	4.09	101.41	0.85	1.99	1.00	0.02
4.10	102.94	0.87	1.50	1.00	0.02	4.11	105.30	0.90	1.45	1.00	0.01
4.12	107.55	0.94	1.41	1.00	0.01	4.13	104.97	0.90	1.46	1.00	0.01
4.14	106.64	0.92	1.43	1.00	0.01	4.15	107.91	0.94	1.40	1.00	0.01
4.16	108.64	0.95	0.82	1.00	0.01	4.17	108.85	0.96	0.82	1.00	0.01
4.18	107.90	0.94	1.40	1.00	0.01	4.19	106.36	0.92	1.43	1.00	0.01
4.20	104.40	0.89	1.47	1.00	0.01	4.21	102.69	0.86	1.51	1.00	0.02
4.22	100.36	0.83	2.02	1.00	0.02	4.23	98.30	0.80	2.08	1.00	0.02
4.24	96.34	0.78	2.15	1.00	0.02	4.25	95.07	0.76	2.19	1.00	0.02
4.26	93.77	0.75	2.46	1.00	0.02	4.27	100.67	0.83	2.01	1.00	0.02
4.28	101.03	0.84	2.00	1.00	0.02	4.29	101.59	0.85	1.99	1.00	0.02
4.30	102.64	0.86	1.51	1.00	0.02	4.31	103.75	0.88	1.48	1.00	0.01
4.32	104.81	0.89	1.46	1.00	0.01	4.33	105.40	0.90	1.45	1.00	0.01

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
4.34	105.82	0.91	1.44	1.00	0.01	4.35	105.91	0.91	1.44	1.00	0.01
4.36	105.70	0.90	1.44	1.00	0.01	4.37	105.26	0.90	1.45	1.00	0.01
4.38	104.58	0.89	1.47	1.00	0.01	4.39	103.95	0.88	1.48	1.00	0.01
4.40	103.32	0.87	1.49	1.00	0.01	4.41	102.95	0.86	1.50	1.00	0.02
4.42	102.57	0.86	1.51	1.00	0.02	4.43	102.32	0.85	1.52	1.00	0.02
4.44	102.18	0.85	1.52	1.00	0.02	4.45	102.18	0.85	1.52	1.00	0.02
4.46	102.27	0.85	1.52	1.00	0.02	4.47	102.51	0.86	1.51	1.00	0.02
4.48	102.81	0.86	1.50	1.00	0.02	4.49	103.05	0.86	1.50	1.00	0.01
4.50	103.18	0.86	1.50	1.00	0.01	4.51	103.24	0.87	1.50	1.00	0.01
4.52	103.26	0.87	1.50	1.00	0.01	4.53	103.16	0.86	1.50	1.00	0.01
4.54	102.90	0.86	1.50	1.00	0.02	4.55	102.54	0.85	1.51	1.00	0.02
4.56	102.20	0.85	1.97	1.00	0.02	4.57	101.96	0.85	1.98	1.00	0.02
4.58	101.83	0.84	1.98	1.00	0.02	4.59	101.71	0.84	1.98	1.00	0.02
4.60	101.64	0.84	1.98	1.00	0.02	4.61	101.58	0.84	1.99	1.00	0.02
4.62	101.56	0.84	1.99	1.00	0.02	4.63	101.50	0.84	1.99	1.00	0.02
4.64	101.42	0.84	1.99	1.00	0.02	4.65	101.36	0.84	1.99	1.00	0.02
4.66	101.37	0.84	1.99	1.00	0.02	4.67	101.53	0.84	1.99	1.00	0.02
4.68	101.72	0.84	1.98	1.00	0.02	4.69	101.97	0.84	1.97	1.00	0.02
4.70	102.14	0.85	1.97	1.00	0.02	4.71	102.25	0.85	1.97	1.00	0.02
4.72	102.34	0.85	1.96	1.00	0.02	4.73	102.33	0.85	1.96	1.00	0.02
4.74	102.25	0.85	1.97	1.00	0.02	4.75	102.13	0.85	1.97	1.00	0.02
4.76	101.96	0.84	1.97	1.00	0.02	4.77	101.74	0.84	1.98	1.00	0.02
4.78	100.91	0.83	2.01	1.00	0.02	4.79	99.79	0.81	2.04	1.00	0.02
4.80	98.44	0.80	2.08	1.00	0.02	4.81	97.02	0.78	2.12	1.00	0.02
4.82	95.60	0.76	2.17	1.00	0.02	4.83	94.09	0.74	2.46	1.00	0.02
4.84	92.77	0.73	2.48	1.00	0.02	4.85	90.85	0.71	2.53	1.00	0.03
4.86	88.89	0.69	2.57	1.00	0.03	4.87	87.06	0.67	2.62	1.00	0.03
4.88	85.84	0.65	2.65	1.00	0.03	4.89	84.56	0.64	2.68	1.00	0.03
4.90	83.71	0.63	2.70	1.00	0.03	4.91	83.19	0.63	2.72	1.00	0.03
4.92	78.97	0.59	2.84	1.00	0.03	4.93	74.98	0.56	2.96	1.00	0.03
4.94	70.84	0.53	3.10	1.00	0.03	4.95	71.20	0.53	3.09	1.00	0.03
4.96	71.06	0.53	3.09	1.00	0.03	4.97	70.62	0.53	3.11	1.00	0.03
4.98	70.12	0.53	3.13	1.00	0.03	4.99	69.56	0.52	3.15	1.00	0.03
5.00	68.84	0.52	3.17	1.00	0.03	5.01	67.82	0.51	3.21	1.00	0.03
5.02	66.77	0.51	3.25	1.00	0.03	5.03	65.94	0.50	3.29	1.00	0.03
5.04	65.37	0.50	3.31	1.00	0.03	5.05	64.66	0.49	3.34	1.00	0.03
5.06	63.96	0.49	3.37	1.00	0.03	5.07	63.15	0.49	3.41	1.00	0.03
5.08	62.47	0.48	3.44	1.00	0.03	5.09	61.73	0.48	3.47	1.00	0.03
5.10	60.82	0.47	3.51	1.00	0.04	5.11	59.97	0.47	3.55	1.00	0.04
5.12	59.21	0.47	3.59	1.00	0.04	5.13	58.71	0.46	3.62	1.00	0.04
5.14	42.05	0.40	4.75	1.00	0.05	5.15	41.74	0.40	4.78	1.00	0.05
5.16	41.43	0.40	4.81	1.00	0.05	5.17	41.41	0.40	4.81	1.00	0.05
5.18	41.82	0.40	4.78	1.00	0.05	5.19	42.51	0.40	4.71	1.00	0.05
5.20	43.47	0.40	4.63	1.00	0.05	5.21	44.38	0.41	4.55	1.00	0.05
5.22	45.34	0.41	4.47	1.00	0.04	5.23	46.08	0.41	4.41	1.00	0.04
5.24	46.19	0.41	4.40	1.00	0.04	5.25	45.24	0.41	4.48	1.00	0.04
5.26	43.23	0.40	4.65	1.00	0.05	5.27	40.33	0.39	4.92	1.00	0.05
5.28	56.60	0.45	3.73	1.00	0.04	5.29	59.13	0.46	3.60	1.00	0.04

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
5.30	64.63	0.49	3.34	1.00	0.03	5.31	70.73	0.53	3.10	1.00	0.03
5.32	79.52	2.00	0.00	1.00	0.00	5.33	88.89	2.00	0.00	1.00	0.00
5.34	98.45	2.00	0.00	1.00	0.00	5.35	103.58	2.00	0.00	1.00	0.00
5.36	100.22	0.81	2.03	1.00	0.02	5.37	95.43	0.75	2.43	1.00	0.02
5.38	94.29	0.74	2.45	1.00	0.02	5.39	96.26	0.76	2.15	1.00	0.02
5.40	99.10	0.79	2.06	1.00	0.02	5.41	101.39	0.82	1.99	1.00	0.02
5.42	102.04	0.83	1.97	1.00	0.02	5.43	101.03	0.82	2.00	1.00	0.02
5.44	98.76	0.79	2.07	1.00	0.02	5.45	88.69	0.67	2.58	1.00	0.03
5.46	86.50	0.65	2.63	1.00	0.03	5.47	84.37	0.63	2.69	1.00	0.03
5.48	82.70	0.62	2.73	1.00	0.03	5.49	80.03	0.59	2.81	1.00	0.03
5.50	77.87	0.58	2.87	1.00	0.03	5.51	77.01	0.57	2.89	1.00	0.03
5.52	78.59	0.58	2.85	1.00	0.03	5.53	92.15	0.71	2.50	1.00	0.02
5.54	96.77	0.76	2.13	1.00	0.02	5.55	100.35	0.81	2.02	1.00	0.02
5.56	101.54	0.82	1.99	1.00	0.02	5.57	101.85	0.83	1.98	1.00	0.02
5.58	101.71	0.83	1.98	1.00	0.02	5.59	101.36	0.82	1.99	1.00	0.02
5.60	100.68	0.81	2.01	1.00	0.02	5.61	99.93	0.80	2.03	1.00	0.02
5.62	98.78	0.79	2.07	1.00	0.02	5.63	97.85	0.78	2.10	1.00	0.02
5.64	97.20	0.77	2.12	1.00	0.02	5.65	96.89	0.76	2.13	1.00	0.02
5.66	96.54	0.76	2.14	1.00	0.02	5.67	96.10	0.75	2.15	1.00	0.02
5.68	95.44	0.75	2.43	1.00	0.02	5.69	86.33	0.65	2.64	1.00	0.03
5.70	84.86	0.64	2.67	1.00	0.03	5.71	82.89	0.62	2.73	1.00	0.03
5.72	80.55	0.60	2.79	1.00	0.03	5.73	78.24	0.58	2.86	1.00	0.03
5.74	74.40	0.55	2.98	1.00	0.03	5.75	70.02	0.52	3.13	1.00	0.03
5.76	65.24	0.49	3.32	1.00	0.03	5.77	60.13	0.46	3.55	1.00	0.04
5.78	68.94	0.51	3.17	1.00	0.03	5.79	65.57	0.49	3.30	1.00	0.03
5.80	63.53	0.48	3.39	1.00	0.03	5.81	61.81	0.47	3.47	1.00	0.03
5.82	60.61	0.47	3.52	1.00	0.04	5.83	59.61	0.46	3.57	1.00	0.04
5.84	58.80	0.46	3.61	1.00	0.04	5.85	58.17	0.46	3.64	1.00	0.04
5.86	57.75	0.45	3.67	1.00	0.04	5.87	57.42	0.45	3.68	1.00	0.04
5.88	57.06	0.45	3.70	1.00	0.04	5.89	56.55	0.45	3.73	1.00	0.04
5.90	56.21	0.45	3.75	1.00	0.04	5.91	55.96	0.45	3.76	1.00	0.04
5.92	53.46	0.44	3.90	1.00	0.04	5.93	34.90	0.37	5.54	1.00	0.06
5.94	34.67	0.36	5.57	1.00	0.06	5.95	34.66	0.36	5.57	1.00	0.06
5.96	34.39	0.36	5.61	1.00	0.06	5.97	33.88	0.36	5.68	1.00	0.06
5.98	33.15	0.36	5.78	1.00	0.06	5.99	32.37	0.36	5.80	1.00	0.06
6.00	31.44	0.35	5.80	1.00	0.06	6.01	30.70	0.35	5.80	1.00	0.06
6.02	30.21	0.35	5.80	1.00	0.06	6.03	30.22	0.35	5.80	1.00	0.06
6.04	30.59	0.35	5.80	1.00	0.06	6.05	31.10	0.35	5.80	1.00	0.06
6.06	31.68	0.35	5.80	1.00	0.06	6.07	32.04	0.35	5.80	1.00	0.06
6.08	32.47	0.35	5.80	1.00	0.06	6.09	32.73	0.36	5.80	1.00	0.06
6.10	32.77	0.36	5.80	1.00	0.06	6.11	32.31	0.35	5.80	1.00	0.06
6.12	31.45	0.35	5.80	1.00	0.06	6.13	29.69	0.34	5.80	1.00	0.06
6.14	27.84	0.34	5.80	1.00	0.06	6.15	26.23	0.33	5.80	1.00	0.06
6.16	26.02	0.33	5.80	1.00	0.06	6.17	26.61	0.33	5.80	1.00	0.06
6.18	27.41	0.33	5.80	1.00	0.06	6.19	27.77	0.34	5.80	1.00	0.06
6.20	50.35	0.42	4.10	1.00	0.04	6.21	53.20	0.43	3.92	1.00	0.04
6.22	55.68	0.44	3.78	1.00	0.04	6.23	59.38	0.46	3.58	1.00	0.04
6.24	63.93	0.48	3.37	1.00	0.03	6.25	70.04	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
6.26	76.01	2.00	0.00	1.00	0.00	6.27	80.15	2.00	0.00	1.00	0.00
6.28	80.89	0.59	2.78	1.00	0.03	6.29	79.56	0.58	2.82	1.00	0.03
6.30	79.83	0.58	2.81	1.00	0.03	6.31	81.53	0.60	2.76	1.00	0.03
6.32	82.73	0.61	2.73	1.00	0.03	6.33	82.40	0.61	2.74	1.00	0.03
6.34	80.54	0.59	2.79	1.00	0.03	6.35	78.19	0.57	2.86	1.00	0.03
6.36	75.83	0.55	2.93	1.00	0.03	6.37	73.70	0.54	3.00	1.00	0.03
6.38	71.94	0.53	3.06	1.00	0.03	6.39	70.23	0.51	3.12	1.00	0.03
6.40	67.55	0.50	3.22	1.00	0.03	6.41	65.16	0.48	3.32	1.00	0.03
6.42	64.01	0.48	3.37	1.00	0.03	6.43	65.04	0.48	3.32	1.00	0.03
6.44	67.27	0.50	3.23	1.00	0.03	6.45	70.35	0.51	3.12	1.00	0.03
6.46	76.26	2.00	0.00	1.00	0.00	6.47	82.59	2.00	0.00	1.00	0.00
6.48	87.86	2.00	0.00	1.00	0.00	6.49	89.26	0.67	2.56	1.00	0.03
6.50	87.58	0.65	2.61	1.00	0.03	6.51	85.12	0.63	2.67	1.00	0.03
6.52	82.56	0.61	2.73	1.00	0.03	6.53	80.49	0.59	2.79	1.00	0.03
6.54	78.33	0.57	2.85	1.00	0.03	6.55	75.10	0.55	2.96	1.00	0.03
6.56	71.87	0.52	3.06	1.00	0.03	6.57	69.54	0.51	3.15	1.00	0.03
6.58	69.38	0.51	3.15	1.00	0.03	6.59	70.92	0.52	3.10	1.00	0.03
6.60	73.74	2.00	0.00	1.00	0.00	6.61	76.34	2.00	0.00	1.00	0.00
6.62	78.01	2.00	0.00	1.00	0.00	6.63	78.69	2.00	0.00	1.00	0.00
6.64	79.99	2.00	0.00	1.00	0.00	6.65	81.44	2.00	0.00	1.00	0.00
6.66	82.37	2.00	0.00	1.00	0.00	6.67	82.36	2.00	0.00	1.00	0.00
6.68	82.20	2.00	0.00	1.00	0.00	6.69	80.80	0.59	2.78	1.00	0.03
6.70	78.69	0.57	2.84	1.00	0.03	6.71	75.71	0.55	2.94	1.00	0.03
6.72	73.18	0.53	3.02	1.00	0.03	6.73	69.36	0.51	3.15	1.00	0.03
6.74	65.61	0.49	3.30	1.00	0.03	6.75	61.93	0.47	3.46	1.00	0.03
6.76	59.69	0.46	3.57	1.00	0.04	6.77	56.86	0.44	3.71	1.00	0.04
6.78	54.12	0.43	3.87	1.00	0.04	6.79	51.38	0.42	4.03	1.00	0.04
6.80	30.73	0.35	5.80	1.00	0.06	6.81	30.79	0.35	5.80	1.00	0.06
6.82	30.73	0.35	5.80	1.00	0.06	6.83	30.53	0.34	5.80	1.00	0.06
6.84	30.30	0.34	5.80	1.00	0.06	6.85	29.92	0.34	5.80	1.00	0.06
6.86	29.53	0.34	5.80	1.00	0.06	6.87	29.02	0.34	5.80	1.00	0.06
6.88	28.61	0.34	5.80	1.00	0.06	6.89	27.95	0.33	5.80	1.00	0.06
6.90	27.46	0.33	5.80	1.00	0.06	6.91	27.09	0.33	5.80	1.00	0.06
6.92	26.58	0.33	5.80	1.00	0.06	6.93	25.96	0.33	5.80	1.00	0.06
6.94	25.18	0.32	5.80	1.00	0.06	6.95	24.79	0.32	5.80	1.00	0.06
6.96	24.36	0.32	5.80	1.00	0.06	6.97	24.02	0.32	5.80	1.00	0.06
6.98	23.83	0.32	5.80	1.00	0.06	6.99	23.84	0.32	5.80	1.00	0.06
7.00	23.83	0.32	5.80	1.00	0.06	7.01	46.54	0.40	4.38	1.00	0.04
7.02	52.58	0.42	3.96	1.00	0.04	7.03	57.72	0.44	3.67	1.00	0.04
7.04	62.87	0.47	3.42	1.00	0.03	7.05	68.91	0.50	3.17	1.00	0.03
7.06	74.27	0.54	2.98	1.00	0.03	7.07	79.33	0.57	2.83	1.00	0.03
7.08	83.47	0.61	2.71	1.00	0.03	7.09	88.84	0.66	2.57	1.00	0.03
7.10	93.27	0.71	2.47	1.00	0.02	7.11	95.93	0.74	2.42	1.00	0.02
7.12	96.40	0.74	2.41	1.00	0.02	7.13	96.08	0.74	2.41	1.00	0.02
7.14	94.72	0.72	2.44	1.00	0.02	7.15	92.39	0.70	2.49	1.00	0.02
7.16	89.21	0.66	2.57	1.00	0.03	7.17	85.66	0.63	2.65	1.00	0.03
7.18	81.42	0.59	2.77	1.00	0.03	7.19	76.14	0.55	2.92	1.00	0.03
7.20	71.47	0.52	3.08	1.00	0.03	7.21	67.66	0.49	3.22	1.00	0.03

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
7.22	65.76	0.48	3.29	1.00	0.03	7.23	64.48	0.48	3.35	1.00	0.03
7.24	62.91	0.47	3.42	1.00	0.03	7.25	61.33	0.46	3.49	1.00	0.03
7.26	59.82	0.45	3.56	1.00	0.04	7.27	58.97	0.45	3.60	1.00	0.04
7.28	58.35	0.45	3.63	1.00	0.04	7.29	57.90	0.45	3.66	1.00	0.04
7.30	57.59	0.44	3.67	1.00	0.04	7.31	57.44	0.44	3.68	1.00	0.04
7.32	57.64	0.44	3.67	1.00	0.04	7.33	58.89	0.45	3.61	1.00	0.04
7.34	60.82	0.46	3.51	1.00	0.04	7.35	63.29	0.47	3.40	1.00	0.03
7.36	65.47	0.48	3.31	1.00	0.03	7.37	67.65	0.49	3.22	1.00	0.03
7.38	70.09	0.51	3.13	1.00	0.03	7.39	72.25	0.52	3.05	1.00	0.03
7.40	74.02	0.53	2.99	1.00	0.03	7.41	74.97	0.54	2.96	1.00	0.03
7.42	74.90	0.54	2.96	1.00	0.03	7.43	73.90	0.53	2.99	1.00	0.03
7.44	60.06	0.45	3.55	1.00	0.04	7.45	58.52	0.45	3.63	1.00	0.04
7.46	56.86	0.44	3.71	1.00	0.04	7.47	54.27	0.43	3.86	1.00	0.04
7.48	51.59	0.42	4.02	1.00	0.04	7.49	48.72	0.41	4.21	1.00	0.04
7.50	46.56	0.40	4.37	1.00	0.04	7.51	44.14	0.39	4.57	1.00	0.05
7.52	41.21	0.38	4.83	1.00	0.05	7.53	56.93	0.44	3.71	1.00	0.04
7.54	59.71	0.45	3.57	1.00	0.04	7.55	63.83	0.47	3.38	1.00	0.03
7.56	66.82	0.49	3.25	1.00	0.03	7.57	72.40	0.52	3.05	1.00	0.03
7.58	78.82	0.57	2.84	1.00	0.03	7.59	85.30	2.00	0.00	1.00	0.00
7.60	88.70	2.00	0.00	1.00	0.00	7.61	90.80	2.00	0.00	1.00	0.00
7.62	93.00	2.00	0.00	1.00	0.00	7.63	94.63	2.00	0.00	1.00	0.00
7.64	95.86	2.00	0.00	1.00	0.00	7.65	96.43	2.00	0.00	1.00	0.00
7.66	98.00	2.00	0.00	1.00	0.00	7.67	99.90	2.00	0.00	1.00	0.00
7.68	102.07	2.00	0.00	1.00	0.00	7.69	103.89	2.00	0.00	1.00	0.00
7.70	105.28	2.00	0.00	1.00	0.00	7.71	105.72	2.00	0.00	1.00	0.00
7.72	105.09	2.00	0.00	1.00	0.00	7.73	103.79	2.00	0.00	1.00	0.00
7.74	102.17	2.00	0.00	1.00	0.00	7.75	101.01	2.00	0.00	1.00	0.00
7.76	100.37	2.00	0.00	1.00	0.00	7.77	100.30	2.00	0.00	1.00	0.00
7.78	100.36	2.00	0.00	1.00	0.00	7.79	100.55	2.00	0.00	1.00	0.00
7.80	100.84	2.00	0.00	1.00	0.00	7.81	101.23	2.00	0.00	1.00	0.00
7.82	101.48	2.00	0.00	1.00	0.00	7.83	101.89	2.00	0.00	1.00	0.00
7.84	102.50	2.00	0.00	1.00	0.00	7.85	103.32	2.00	0.00	1.00	0.00
7.86	104.09	2.00	0.00	1.00	0.00	7.87	104.97	2.00	0.00	1.00	0.00
7.88	106.15	2.00	0.00	1.00	0.00	7.89	106.98	2.00	0.00	1.00	0.00
7.90	107.44	2.00	0.00	1.00	0.00	7.91	107.33	2.00	0.00	1.00	0.00
7.92	105.00	2.00	0.00	1.00	0.00	7.93	102.58	2.00	0.00	1.00	0.00
7.94	99.96	2.00	0.00	1.00	0.00	7.95	99.38	2.00	0.00	1.00	0.00
7.96	98.58	2.00	0.00	1.00	0.00	7.97	97.53	2.00	0.00	1.00	0.00
7.98	96.54	2.00	0.00	1.00	0.00	7.99	95.37	2.00	0.00	1.00	0.00
8.00	93.37	2.00	0.00	1.00	0.00	8.01	91.30	2.00	0.00	1.00	0.00
8.02	89.35	2.00	0.00	1.00	0.00	8.03	88.61	2.00	0.00	1.00	0.00
8.04	87.86	2.00	0.00	1.00	0.00	8.05	87.05	2.00	0.00	1.00	0.00
8.06	85.98	2.00	0.00	1.00	0.00	8.07	85.00	2.00	0.00	1.00	0.00
8.08	83.98	2.00	0.00	1.00	0.00	8.09	83.21	2.00	0.00	1.00	0.00
8.10	82.52	2.00	0.00	1.00	0.00	8.11	82.06	2.00	0.00	1.00	0.00
8.12	81.69	2.00	0.00	1.00	0.00	8.13	81.41	2.00	0.00	1.00	0.00
8.14	81.17	2.00	0.00	1.00	0.00	8.15	80.81	2.00	0.00	1.00	0.00
8.16	80.46	2.00	0.00	1.00	0.00	8.17	80.23	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
8.18	79.91	2.00	0.00	1.00	0.00	8.19	79.60	2.00	0.00	1.00	0.00
8.20	79.25	2.00	0.00	1.00	0.00	8.21	79.05	2.00	0.00	1.00	0.00
8.22	78.84	2.00	0.00	1.00	0.00	8.23	77.97	2.00	0.00	1.00	0.00
8.24	76.83	2.00	0.00	1.00	0.00	8.25	75.31	2.00	0.00	1.00	0.00
8.26	74.01	2.00	0.00	1.00	0.00	8.27	72.66	2.00	0.00	1.00	0.00
8.28	71.07	2.00	0.00	1.00	0.00	8.29	69.76	2.00	0.00	1.00	0.00
8.30	68.53	2.00	0.00	1.00	0.00	8.31	67.82	2.00	0.00	1.00	0.00
8.32	66.96	2.00	0.00	1.00	0.00	8.33	65.97	2.00	0.00	1.00	0.00
8.34	64.43	2.00	0.00	1.00	0.00	8.35	63.27	2.00	0.00	1.00	0.00
8.36	62.52	2.00	0.00	1.00	0.00	8.37	61.99	2.00	0.00	1.00	0.00
8.38	61.08	2.00	0.00	1.00	0.00	8.39	59.69	2.00	0.00	1.00	0.00
8.40	58.62	2.00	0.00	1.00	0.00	8.41	57.85	2.00	0.00	1.00	0.00
8.42	57.20	2.00	0.00	1.00	0.00	8.43	56.52	2.00	0.00	1.00	0.00
8.44	55.76	2.00	0.00	1.00	0.00	8.45	55.19	2.00	0.00	1.00	0.00
8.46	54.85	2.00	0.00	1.00	0.00	8.47	54.80	2.00	0.00	1.00	0.00
8.48	55.18	2.00	0.00	1.00	0.00	8.49	56.02	2.00	0.00	1.00	0.00
8.50	56.78	2.00	0.00	1.00	0.00	8.51	57.25	2.00	0.00	1.00	0.00
8.52	57.48	2.00	0.00	1.00	0.00	8.53	58.47	2.00	0.00	1.00	0.00
8.54	59.23	2.00	0.00	1.00	0.00	8.55	59.63	2.00	0.00	1.00	0.00
8.56	59.87	2.00	0.00	1.00	0.00	8.57	61.98	2.00	0.00	1.00	0.00
8.58	64.60	2.00	0.00	1.00	0.00	8.59	66.62	2.00	0.00	1.00	0.00
8.60	67.37	2.00	0.00	1.00	0.00	8.61	67.95	2.00	0.00	1.00	0.00
8.62	68.71	2.00	0.00	1.00	0.00	8.63	69.32	2.00	0.00	1.00	0.00
8.64	70.02	2.00	0.00	1.00	0.00	8.65	70.86	2.00	0.00	1.00	0.00
8.66	71.78	2.00	0.00	1.00	0.00	8.67	72.53	2.00	0.00	1.00	0.00
8.68	72.96	2.00	0.00	1.00	0.00	8.69	73.03	2.00	0.00	1.00	0.00
8.70	72.92	2.00	0.00	1.00	0.00	8.71	72.80	2.00	0.00	1.00	0.00
8.72	73.02	2.00	0.00	1.00	0.00	8.73	73.16	2.00	0.00	1.00	0.00
8.74	73.27	2.00	0.00	1.00	0.00	8.75	73.00	2.00	0.00	1.00	0.00
8.76	72.76	2.00	0.00	1.00	0.00	8.77	72.60	2.00	0.00	1.00	0.00
8.78	72.30	2.00	0.00	1.00	0.00	8.79	71.50	2.00	0.00	1.00	0.00
8.80	70.26	2.00	0.00	1.00	0.00	8.81	69.35	2.00	0.00	1.00	0.00
8.82	69.11	2.00	0.00	1.00	0.00	8.83	69.51	2.00	0.00	1.00	0.00
8.84	70.37	2.00	0.00	1.00	0.00	8.85	70.93	2.00	0.00	1.00	0.00
8.86	70.67	2.00	0.00	1.00	0.00	8.87	69.74	2.00	0.00	1.00	0.00
8.88	68.81	2.00	0.00	1.00	0.00	8.89	68.31	2.00	0.00	1.00	0.00
8.90	68.00	2.00	0.00	1.00	0.00	8.91	67.88	2.00	0.00	1.00	0.00
8.92	66.60	2.00	0.00	1.00	0.00	8.93	65.80	2.00	0.00	1.00	0.00
8.94	65.25	2.00	0.00	1.00	0.00	8.95	66.46	2.00	0.00	1.00	0.00
8.96	66.99	2.00	0.00	1.00	0.00	8.97	66.98	2.00	0.00	1.00	0.00
8.98	66.70	2.00	0.00	1.00	0.00	8.99	66.83	2.00	0.00	1.00	0.00
9.00	67.49	2.00	0.00	1.00	0.00	9.01	67.80	2.00	0.00	1.00	0.00
9.02	67.64	2.00	0.00	1.00	0.00	9.03	67.24	2.00	0.00	1.00	0.00
9.04	67.64	2.00	0.00	1.00	0.00	9.05	69.96	2.00	0.00	1.00	0.00
9.06	72.97	2.00	0.00	1.00	0.00	9.07	76.24	2.00	0.00	1.00	0.00
9.08	78.70	2.00	0.00	1.00	0.00	9.09	81.53	2.00	0.00	1.00	0.00
9.10	86.30	2.00	0.00	1.00	0.00	9.11	91.44	2.00	0.00	1.00	0.00
9.12	96.64	2.00	0.00	1.00	0.00	9.13	100.17	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.14	104.31	2.00	0.00	1.00	0.00	9.15	107.89	2.00	0.00	1.00	0.00
9.16	111.13	2.00	0.00	1.00	0.00	9.17	112.83	2.00	0.00	1.00	0.00
9.18	113.70	2.00	0.00	1.00	0.00	9.19	113.87	2.00	0.00	1.00	0.00
9.20	113.71	2.00	0.00	1.00	0.00	9.21	113.54	2.00	0.00	1.00	0.00
9.22	113.22	2.00	0.00	1.00	0.00	9.23	112.72	2.00	0.00	1.00	0.00
9.24	112.19	2.00	0.00	1.00	0.00	9.25	111.57	2.00	0.00	1.00	0.00
9.26	110.73	2.00	0.00	1.00	0.00	9.27	110.08	2.00	0.00	1.00	0.00
9.28	110.23	2.00	0.00	1.00	0.00	9.29	110.79	2.00	0.00	1.00	0.00
9.30	110.88	2.00	0.00	1.00	0.00	9.31	109.62	2.00	0.00	1.00	0.00
9.32	108.43	2.00	0.00	1.00	0.00	9.33	107.78	2.00	0.00	1.00	0.00
9.34	108.13	2.00	0.00	1.00	0.00	9.35	108.79	2.00	0.00	1.00	0.00
9.36	109.33	2.00	0.00	1.00	0.00	9.37	109.91	2.00	0.00	1.00	0.00
9.38	110.28	2.00	0.00	1.00	0.00	9.39	110.65	2.00	0.00	1.00	0.00
9.40	110.22	2.00	0.00	1.00	0.00	9.41	108.93	2.00	0.00	1.00	0.00
9.42	106.81	2.00	0.00	1.00	0.00	9.43	104.71	2.00	0.00	1.00	0.00
9.44	102.19	2.00	0.00	1.00	0.00	9.45	99.80	2.00	0.00	1.00	0.00
9.46	97.62	2.00	0.00	1.00	0.00	9.47	96.10	2.00	0.00	1.00	0.00
9.48	94.65	2.00	0.00	1.00	0.00	9.49	92.13	2.00	0.00	1.00	0.00
9.50	89.37	2.00	0.00	1.00	0.00	9.51	86.42	2.00	0.00	1.00	0.00
9.52	83.77	2.00	0.00	1.00	0.00	9.53	81.57	2.00	0.00	1.00	0.00
9.54	80.12	2.00	0.00	1.00	0.00	9.55	80.27	2.00	0.00	1.00	0.00
9.56	80.77	2.00	0.00	1.00	0.00	9.57	81.25	2.00	0.00	1.00	0.00
9.58	81.58	2.00	0.00	1.00	0.00	9.59	81.58	2.00	0.00	1.00	0.00
9.60	81.72	2.00	0.00	1.00	0.00	9.61	83.51	2.00	0.00	1.00	0.00
9.62	86.43	2.00	0.00	1.00	0.00	9.63	90.01	2.00	0.00	1.00	0.00
9.64	93.06	2.00	0.00	1.00	0.00	9.65	95.96	2.00	0.00	1.00	0.00
9.66	98.96	2.00	0.00	1.00	0.00	9.67	101.08	2.00	0.00	1.00	0.00
9.68	102.56	2.00	0.00	1.00	0.00	9.69	102.97	2.00	0.00	1.00	0.00
9.70	103.50	2.00	0.00	1.00	0.00	9.71	103.77	2.00	0.00	1.00	0.00
9.72	104.04	2.00	0.00	1.00	0.00	9.73	103.29	2.00	0.00	1.00	0.00
9.74	101.70	2.00	0.00	1.00	0.00	9.75	98.99	2.00	0.00	1.00	0.00
9.76	95.67	2.00	0.00	1.00	0.00	9.77	90.82	2.00	0.00	1.00	0.00
9.78	86.06	2.00	0.00	1.00	0.00	9.79	81.68	2.00	0.00	1.00	0.00
9.80	79.35	2.00	0.00	1.00	0.00	9.81	77.72	2.00	0.00	1.00	0.00
9.82	76.87	2.00	0.00	1.00	0.00	9.83	76.38	2.00	0.00	1.00	0.00
9.84	75.89	2.00	0.00	1.00	0.00	9.85	75.31	2.00	0.00	1.00	0.00
9.86	74.77	2.00	0.00	1.00	0.00	9.87	74.49	2.00	0.00	1.00	0.00
9.88	74.59	2.00	0.00	1.00	0.00	9.89	74.91	2.00	0.00	1.00	0.00
9.90	75.22	2.00	0.00	1.00	0.00	9.91	75.31	2.00	0.00	1.00	0.00
9.92	75.01	2.00	0.00	1.00	0.00	9.93	76.58	2.00	0.00	1.00	0.00
9.94	78.97	2.00	0.00	1.00	0.00	9.95	82.14	2.00	0.00	1.00	0.00
9.96	84.48	2.00	0.00	1.00	0.00	9.97	86.37	2.00	0.00	1.00	0.00
9.98	88.24	2.00	0.00	1.00	0.00	9.99	89.45	2.00	0.00	1.00	0.00
10.00	90.86	2.00	0.00	1.00	0.00	10.01	91.89	2.00	0.00	1.00	0.00
10.02	92.56	2.00	0.00	1.00	0.00	10.03	92.54	2.00	0.00	1.00	0.00
10.04	92.19	2.00	0.00	1.00	0.00	10.05	91.63	2.00	0.00	1.00	0.00
10.06	90.96	2.00	0.00	1.00	0.00	10.07	90.34	2.00	0.00	1.00	0.00
10.08	89.72	2.00	0.00	1.00	0.00	10.09	89.21	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
10.10	88.68	2.00	0.00	1.00	0.00	10.11	88.17	2.00	0.00	1.00	0.00
10.12	87.53	2.00	0.00	1.00	0.00	10.13	86.94	2.00	0.00	1.00	0.00
10.14	86.54	2.00	0.00	1.00	0.00	10.15	86.42	2.00	0.00	1.00	0.00
10.16	86.19	2.00	0.00	1.00	0.00	10.17	86.01	2.00	0.00	1.00	0.00
10.18	85.75	2.00	0.00	1.00	0.00	10.19	85.54	2.00	0.00	1.00	0.00
10.20	85.11	2.00	0.00	1.00	0.00	10.21	84.75	2.00	0.00	1.00	0.00
10.22	84.66	2.00	0.00	1.00	0.00	10.23	84.94	2.00	0.00	1.00	0.00
10.24	85.67	2.00	0.00	1.00	0.00	10.25	86.53	2.00	0.00	1.00	0.00
10.26	87.51	2.00	0.00	1.00	0.00	10.27	88.20	2.00	0.00	1.00	0.00
10.28	88.89	2.00	0.00	1.00	0.00	10.29	89.52	2.00	0.00	1.00	0.00
10.30	90.19	2.00	0.00	1.00	0.00	10.31	90.63	2.00	0.00	1.00	0.00
10.32	91.04	2.00	0.00	1.00	0.00	10.33	91.02	2.00	0.00	1.00	0.00
10.34	90.84	2.00	0.00	1.00	0.00	10.35	90.27	2.00	0.00	1.00	0.00
10.36	89.69	2.00	0.00	1.00	0.00	10.37	89.13	2.00	0.00	1.00	0.00
10.38	88.66	2.00	0.00	1.00	0.00	10.39	88.38	2.00	0.00	1.00	0.00
10.40	88.06	2.00	0.00	1.00	0.00	10.41	87.96	2.00	0.00	1.00	0.00
10.42	87.90	2.00	0.00	1.00	0.00	10.43	88.01	2.00	0.00	1.00	0.00
10.44	87.90	2.00	0.00	1.00	0.00	10.45	87.77	2.00	0.00	1.00	0.00
10.46	87.57	2.00	0.00	1.00	0.00	10.47	87.56	2.00	0.00	1.00	0.00
10.48	87.51	2.00	0.00	1.00	0.00	10.49	87.53	2.00	0.00	1.00	0.00
10.50	87.52	2.00	0.00	1.00	0.00	10.51	87.43	2.00	0.00	1.00	0.00
10.52	87.18	2.00	0.00	1.00	0.00	10.53	86.82	2.00	0.00	1.00	0.00
10.54	86.45	2.00	0.00	1.00	0.00	10.55	86.16	2.00	0.00	1.00	0.00
10.56	85.97	2.00	0.00	1.00	0.00	10.57	85.81	2.00	0.00	1.00	0.00
10.58	85.93	2.00	0.00	1.00	0.00	10.59	86.30	2.00	0.00	1.00	0.00
10.60	87.07	2.00	0.00	1.00	0.00	10.61	87.80	2.00	0.00	1.00	0.00
10.62	88.55	2.00	0.00	1.00	0.00	10.63	89.20	2.00	0.00	1.00	0.00
10.64	89.83	2.00	0.00	1.00	0.00	10.65	90.44	2.00	0.00	1.00	0.00
10.66	91.17	2.00	0.00	1.00	0.00	10.67	92.37	2.00	0.00	1.00	0.00
10.68	93.57	2.00	0.00	1.00	0.00	10.69	94.60	2.00	0.00	1.00	0.00
10.70	95.09	2.00	0.00	1.00	0.00	10.71	95.41	2.00	0.00	1.00	0.00
10.72	95.52	2.00	0.00	1.00	0.00	10.73	95.50	2.00	0.00	1.00	0.00
10.74	95.26	2.00	0.00	1.00	0.00	10.75	94.97	2.00	0.00	1.00	0.00
10.76	94.62	2.00	0.00	1.00	0.00	10.77	94.27	2.00	0.00	1.00	0.00
10.78	94.02	2.00	0.00	1.00	0.00	10.79	93.66	2.00	0.00	1.00	0.00
10.80	93.34	2.00	0.00	1.00	0.00	10.81	92.92	2.00	0.00	1.00	0.00
10.82	92.66	2.00	0.00	1.00	0.00	10.83	92.41	2.00	0.00	1.00	0.00
10.84	92.24	2.00	0.00	1.00	0.00	10.85	92.16	2.00	0.00	1.00	0.00
10.86	92.15	2.00	0.00	1.00	0.00	10.87	92.02	2.00	0.00	1.00	0.00
10.88	91.65	2.00	0.00	1.00	0.00	10.89	90.95	2.00	0.00	1.00	0.00
10.90	90.39	2.00	0.00	1.00	0.00	10.91	90.06	2.00	0.00	1.00	0.00
10.92	86.92	2.00	0.00	1.00	0.00	10.93	83.68	2.00	0.00	1.00	0.00
10.94	80.31	2.00	0.00	1.00	0.00	10.95	80.33	2.00	0.00	1.00	0.00
10.96	80.19	2.00	0.00	1.00	0.00	10.97	79.93	2.00	0.00	1.00	0.00
10.98	79.63	2.00	0.00	1.00	0.00	10.99	79.45	2.00	0.00	1.00	0.00
11.00	79.41	2.00	0.00	1.00	0.00	11.01	79.70	2.00	0.00	1.00	0.00
11.02	80.04	2.00	0.00	1.00	0.00	11.03	80.29	2.00	0.00	1.00	0.00
11.04	80.35	2.00	0.00	1.00	0.00	11.05	80.32	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.06	80.14	2.00	0.00	1.00	0.00	11.07	79.96	2.00	0.00	1.00	0.00
11.08	79.86	2.00	0.00	1.00	0.00	11.09	80.23	2.00	0.00	1.00	0.00
11.10	80.66	2.00	0.00	1.00	0.00	11.11	81.16	2.00	0.00	1.00	0.00
11.12	81.93	2.00	0.00	1.00	0.00	11.13	82.64	2.00	0.00	1.00	0.00
11.14	83.07	2.00	0.00	1.00	0.00	11.15	82.72	2.00	0.00	1.00	0.00
11.16	82.40	2.00	0.00	1.00	0.00	11.17	82.31	2.00	0.00	1.00	0.00
11.18	82.71	2.00	0.00	1.00	0.00	11.19	83.22	2.00	0.00	1.00	0.00
11.20	83.65	2.00	0.00	1.00	0.00	11.21	83.94	2.00	0.00	1.00	0.00
11.22	84.07	2.00	0.00	1.00	0.00	11.23	83.93	2.00	0.00	1.00	0.00
11.24	83.40	2.00	0.00	1.00	0.00	11.25	82.51	2.00	0.00	1.00	0.00
11.26	81.52	2.00	0.00	1.00	0.00	11.27	80.41	2.00	0.00	1.00	0.00
11.28	79.07	2.00	0.00	1.00	0.00	11.29	77.75	2.00	0.00	1.00	0.00
11.30	75.72	2.00	0.00	1.00	0.00	11.31	73.82	2.00	0.00	1.00	0.00
11.32	72.71	2.00	0.00	1.00	0.00	11.33	72.77	2.00	0.00	1.00	0.00
11.34	72.74	2.00	0.00	1.00	0.00	11.35	71.82	2.00	0.00	1.00	0.00
11.36	70.41	2.00	0.00	1.00	0.00	11.37	69.39	2.00	0.00	1.00	0.00
11.38	68.78	2.00	0.00	1.00	0.00	11.39	68.61	2.00	0.00	1.00	0.00
11.40	69.29	2.00	0.00	1.00	0.00	11.41	69.92	2.00	0.00	1.00	0.00
11.42	70.32	2.00	0.00	1.00	0.00	11.43	69.87	2.00	0.00	1.00	0.00
11.44	69.42	2.00	0.00	1.00	0.00	11.45	68.84	2.00	0.00	1.00	0.00
11.46	68.09	2.00	0.00	1.00	0.00	11.47	67.55	2.00	0.00	1.00	0.00
11.48	67.13	2.00	0.00	1.00	0.00	11.49	66.94	2.00	0.00	1.00	0.00
11.50	66.59	2.00	0.00	1.00	0.00	11.51	65.57	2.00	0.00	1.00	0.00
11.52	64.55	2.00	0.00	1.00	0.00	11.53	64.54	2.00	0.00	1.00	0.00
11.54	65.81	2.00	0.00	1.00	0.00	11.55	67.67	2.00	0.00	1.00	0.00
11.56	68.21	2.00	0.00	1.00	0.00	11.57	67.02	2.00	0.00	1.00	0.00
11.58	65.37	2.00	0.00	1.00	0.00	11.59	64.70	2.00	0.00	1.00	0.00
11.60	65.43	2.00	0.00	1.00	0.00	11.61	65.87	2.00	0.00	1.00	0.00
11.62	65.91	2.00	0.00	1.00	0.00	11.63	66.85	2.00	0.00	1.00	0.00
11.64	68.02	2.00	0.00	1.00	0.00	11.65	68.36	2.00	0.00	1.00	0.00
11.66	67.10	2.00	0.00	1.00	0.00	11.67	65.02	2.00	0.00	1.00	0.00
11.68	63.26	2.00	0.00	1.00	0.00	11.69	62.26	2.00	0.00	1.00	0.00
11.70	62.11	2.00	0.00	1.00	0.00	11.71	62.63	2.00	0.00	1.00	0.00
11.72	63.66	2.00	0.00	1.00	0.00	11.73	64.56	2.00	0.00	1.00	0.00
11.74	65.36	2.00	0.00	1.00	0.00	11.75	65.70	2.00	0.00	1.00	0.00
11.76	66.32	2.00	0.00	1.00	0.00	11.77	67.25	2.00	0.00	1.00	0.00
11.78	68.62	2.00	0.00	1.00	0.00	11.79	70.06	2.00	0.00	1.00	0.00
11.80	71.49	2.00	0.00	1.00	0.00	11.81	73.25	2.00	0.00	1.00	0.00
11.82	74.48	2.00	0.00	1.00	0.00	11.83	75.09	2.00	0.00	1.00	0.00
11.84	75.06	2.00	0.00	1.00	0.00	11.85	74.76	2.00	0.00	1.00	0.00
11.86	74.21	2.00	0.00	1.00	0.00	11.87	73.16	2.00	0.00	1.00	0.00
11.88	71.98	2.00	0.00	1.00	0.00	11.89	70.70	2.00	0.00	1.00	0.00
11.90	69.81	2.00	0.00	1.00	0.00	11.91	69.39	2.00	0.00	1.00	0.00
11.92	69.47	2.00	0.00	1.00	0.00	11.93	69.22	2.00	0.00	1.00	0.00
11.94	68.80	2.00	0.00	1.00	0.00	11.95	68.45	2.00	0.00	1.00	0.00
11.96	68.77	2.00	0.00	1.00	0.00	11.97	70.20	2.00	0.00	1.00	0.00
11.98	71.87	2.00	0.00	1.00	0.00	11.99	73.35	2.00	0.00	1.00	0.00
12.00	74.44	2.00	0.00	1.00	0.00	12.01	75.44	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.02	76.31	2.00	0.00	1.00	0.00	12.03	76.56	2.00	0.00	1.00	0.00
12.04	76.44	2.00	0.00	1.00	0.00	12.05	76.26	2.00	0.00	1.00	0.00
12.06	76.49	2.00	0.00	1.00	0.00	12.07	77.35	2.00	0.00	1.00	0.00
12.08	78.89	2.00	0.00	1.00	0.00	12.09	80.43	2.00	0.00	1.00	0.00
12.10	81.88	2.00	0.00	1.00	0.00	12.11	83.26	2.00	0.00	1.00	0.00
12.12	85.29	2.00	0.00	1.00	0.00	12.13	87.17	2.00	0.00	1.00	0.00
12.14	88.72	2.00	0.00	1.00	0.00	12.15	89.45	2.00	0.00	1.00	0.00
12.16	90.30	2.00	0.00	1.00	0.00	12.17	90.85	2.00	0.00	1.00	0.00
12.18	91.26	2.00	0.00	1.00	0.00	12.19	91.19	2.00	0.00	1.00	0.00
12.20	91.09	2.00	0.00	1.00	0.00	12.21	90.93	2.00	0.00	1.00	0.00
12.22	90.81	2.00	0.00	1.00	0.00	12.23	90.71	2.00	0.00	1.00	0.00
12.24	90.04	2.00	0.00	1.00	0.00	12.25	89.01	2.00	0.00	1.00	0.00
12.26	87.65	2.00	0.00	1.00	0.00	12.27	86.61	2.00	0.00	1.00	0.00
12.28	85.04	2.00	0.00	1.00	0.00	12.29	83.44	2.00	0.00	1.00	0.00
12.30	81.70	2.00	0.00	1.00	0.00	12.31	80.40	2.00	0.00	1.00	0.00
12.32	78.63	2.00	0.00	1.00	0.00	12.33	76.88	2.00	0.00	1.00	0.00
12.34	75.04	2.00	0.00	1.00	0.00	12.35	73.52	2.00	0.00	1.00	0.00
12.36	71.20	2.00	0.00	1.00	0.00	12.37	68.78	2.00	0.00	1.00	0.00
12.38	66.38	2.00	0.00	1.00	0.00	12.39	64.87	2.00	0.00	1.00	0.00
12.40	63.52	2.00	0.00	1.00	0.00	12.41	62.55	2.00	0.00	1.00	0.00
12.42	61.62	2.00	0.00	1.00	0.00	12.43	60.77	2.00	0.00	1.00	0.00
12.44	59.29	2.00	0.00	1.00	0.00	12.45	57.80	2.00	0.00	1.00	0.00
12.46	56.69	2.00	0.00	1.00	0.00	12.47	56.35	2.00	0.00	1.00	0.00
12.48	56.28	2.00	0.00	1.00	0.00	12.49	56.32	2.00	0.00	1.00	0.00
12.50	56.71	2.00	0.00	1.00	0.00	12.51	57.75	2.00	0.00	1.00	0.00
12.52	58.16	2.00	0.00	1.00	0.00	12.53	57.73	2.00	0.00	1.00	0.00
12.54	56.27	2.00	0.00	1.00	0.00	12.55	54.76	2.00	0.00	1.00	0.00
12.56	53.28	2.00	0.00	1.00	0.00	12.57	52.13	2.00	0.00	1.00	0.00
12.58	51.53	2.00	0.00	1.00	0.00	12.59	51.52	2.00	0.00	1.00	0.00
12.60	51.29	2.00	0.00	1.00	0.00	12.61	50.70	2.00	0.00	1.00	0.00
12.62	49.71	2.00	0.00	1.00	0.00	12.63	48.84	2.00	0.00	1.00	0.00
12.64	47.94	2.00	0.00	1.00	0.00	12.65	47.44	2.00	0.00	1.00	0.00
12.66	47.51	2.00	0.00	1.00	0.00	12.67	48.09	2.00	0.00	1.00	0.00
12.68	49.78	2.00	0.00	1.00	0.00	12.69	51.87	2.00	0.00	1.00	0.00
12.70	54.50	2.00	0.00	1.00	0.00	12.71	57.49	2.00	0.00	1.00	0.00
12.72	60.32	2.00	0.00	1.00	0.00	12.73	62.93	2.00	0.00	1.00	0.00
12.74	65.38	2.00	0.00	1.00	0.00	12.75	68.20	2.00	0.00	1.00	0.00
12.76	70.77	2.00	0.00	1.00	0.00	12.77	72.72	2.00	0.00	1.00	0.00
12.78	74.82	2.00	0.00	1.00	0.00	12.79	77.09	2.00	0.00	1.00	0.00
12.80	79.26	2.00	0.00	1.00	0.00	12.81	80.64	2.00	0.00	1.00	0.00
12.82	81.77	2.00	0.00	1.00	0.00	12.83	82.71	2.00	0.00	1.00	0.00
12.84	83.41	2.00	0.00	1.00	0.00	12.85	83.80	2.00	0.00	1.00	0.00
12.86	83.95	2.00	0.00	1.00	0.00	12.87	84.46	2.00	0.00	1.00	0.00
12.88	85.15	2.00	0.00	1.00	0.00	12.89	85.62	2.00	0.00	1.00	0.00
12.90	85.69	2.00	0.00	1.00	0.00	12.91	85.54	2.00	0.00	1.00	0.00
12.92	85.13	2.00	0.00	1.00	0.00	12.93	84.69	2.00	0.00	1.00	0.00
12.94	84.17	2.00	0.00	1.00	0.00	12.95	84.01	2.00	0.00	1.00	0.00
12.96	83.76	2.00	0.00	1.00	0.00	12.97	83.49	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
12.98	83.18	2.00	0.00	1.00	0.00	12.99	83.15	2.00	0.00	1.00	0.00
13.00	83.52	2.00	0.00	1.00	0.00	13.01	84.50	2.00	0.00	1.00	0.00
13.02	85.46	2.00	0.00	1.00	0.00	13.03	86.30	2.00	0.00	1.00	0.00
13.04	86.84	2.00	0.00	1.00	0.00	13.05	87.59	2.00	0.00	1.00	0.00
13.06	88.31	2.00	0.00	1.00	0.00	13.07	88.89	2.00	0.00	1.00	0.00
13.08	89.18	2.00	0.00	1.00	0.00	13.09	89.63	2.00	0.00	1.00	0.00
13.10	90.13	2.00	0.00	1.00	0.00	13.11	90.62	2.00	0.00	1.00	0.00
13.12	90.87	2.00	0.00	1.00	0.00	13.13	90.96	2.00	0.00	1.00	0.00
13.14	90.95	2.00	0.00	1.00	0.00	13.15	90.86	2.00	0.00	1.00	0.00
13.16	91.00	2.00	0.00	1.00	0.00	13.17	91.19	2.00	0.00	1.00	0.00
13.18	91.29	2.00	0.00	1.00	0.00	13.19	91.17	2.00	0.00	1.00	0.00
13.20	90.91	2.00	0.00	1.00	0.00	13.21	90.80	2.00	0.00	1.00	0.00
13.22	90.74	2.00	0.00	1.00	0.00	13.23	90.78	2.00	0.00	1.00	0.00
13.24	90.79	2.00	0.00	1.00	0.00	13.25	90.81	2.00	0.00	1.00	0.00
13.26	90.93	2.00	0.00	1.00	0.00	13.27	90.78	2.00	0.00	1.00	0.00
13.28	90.50	2.00	0.00	1.00	0.00	13.29	89.86	2.00	0.00	1.00	0.00
13.30	89.48	2.00	0.00	1.00	0.00	13.31	89.45	2.00	0.00	1.00	0.00
13.32	89.91	2.00	0.00	1.00	0.00	13.33	90.43	2.00	0.00	1.00	0.00
13.34	90.79	2.00	0.00	1.00	0.00	13.35	91.14	2.00	0.00	1.00	0.00
13.36	91.51	2.00	0.00	1.00	0.00	13.37	91.94	2.00	0.00	1.00	0.00
13.38	92.41	2.00	0.00	1.00	0.00	13.39	92.86	2.00	0.00	1.00	0.00
13.40	93.49	2.00	0.00	1.00	0.00	13.41	94.18	2.00	0.00	1.00	0.00
13.42	95.47	2.00	0.00	1.00	0.00	13.43	96.78	2.00	0.00	1.00	0.00
13.44	98.05	2.00	0.00	1.00	0.00	13.45	98.93	2.00	0.00	1.00	0.00
13.46	100.23	2.00	0.00	1.00	0.00	13.47	101.68	2.00	0.00	1.00	0.00
13.48	103.23	2.00	0.00	1.00	0.00	13.49	104.78	2.00	0.00	1.00	0.00
13.50	106.26	2.00	0.00	1.00	0.00	13.51	107.60	2.00	0.00	1.00	0.00
13.52	108.38	2.00	0.00	1.00	0.00	13.53	108.97	2.00	0.00	1.00	0.00
13.54	109.15	2.00	0.00	1.00	0.00	13.55	108.95	2.00	0.00	1.00	0.00
13.56	108.40	2.00	0.00	1.00	0.00	13.57	107.64	2.00	0.00	1.00	0.00
13.58	106.96	2.00	0.00	1.00	0.00	13.59	106.23	2.00	0.00	1.00	0.00
13.60	105.50	2.00	0.00	1.00	0.00	13.61	104.18	2.00	0.00	1.00	0.00
13.62	102.61	2.00	0.00	1.00	0.00	13.63	100.96	2.00	0.00	1.00	0.00
13.64	99.11	2.00	0.00	1.00	0.00	13.65	97.38	2.00	0.00	1.00	0.00
13.66	95.67	2.00	0.00	1.00	0.00	13.67	94.67	2.00	0.00	1.00	0.00
13.68	93.65	2.00	0.00	1.00	0.00	13.69	92.82	2.00	0.00	1.00	0.00
13.70	91.67	2.00	0.00	1.00	0.00	13.71	90.56	2.00	0.00	1.00	0.00
13.72	89.50	2.00	0.00	1.00	0.00	13.73	88.52	2.00	0.00	1.00	0.00
13.74	87.70	2.00	0.00	1.00	0.00	13.75	86.85	2.00	0.00	1.00	0.00
13.76	86.40	2.00	0.00	1.00	0.00	13.77	85.89	2.00	0.00	1.00	0.00
13.78	85.27	2.00	0.00	1.00	0.00	13.79	84.46	2.00	0.00	1.00	0.00
13.80	83.78	2.00	0.00	1.00	0.00	13.81	83.30	2.00	0.00	1.00	0.00
13.82	82.88	2.00	0.00	1.00	0.00	13.83	82.59	2.00	0.00	1.00	0.00
13.84	82.38	2.00	0.00	1.00	0.00	13.85	82.46	2.00	0.00	1.00	0.00
13.86	82.47	2.00	0.00	1.00	0.00	13.87	82.23	2.00	0.00	1.00	0.00
13.88	82.32	2.00	0.00	1.00	0.00	13.89	82.77	2.00	0.00	1.00	0.00
13.90	83.46	2.00	0.00	1.00	0.00	13.91	83.74	2.00	0.00	1.00	0.00
13.92	82.10	2.00	0.00	1.00	0.00	13.93	80.72	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.94	79.79	2.00	0.00	1.00	0.00	13.95	80.94	2.00	0.00	1.00	0.00
13.96	82.22	2.00	0.00	1.00	0.00	13.97	83.92	2.00	0.00	1.00	0.00
13.98	85.44	2.00	0.00	1.00	0.00	13.99	86.80	2.00	0.00	1.00	0.00
14.00	88.74	2.00	0.00	1.00	0.00	14.01	90.92	2.00	0.00	1.00	0.00
14.02	93.36	2.00	0.00	1.00	0.00	14.03	95.47	2.00	0.00	1.00	0.00
14.04	97.32	2.00	0.00	1.00	0.00	14.05	98.92	2.00	0.00	1.00	0.00
14.06	99.70	2.00	0.00	1.00	0.00	14.07	100.15	2.00	0.00	1.00	0.00
14.08	100.09	2.00	0.00	1.00	0.00	14.09	99.68	2.00	0.00	1.00	0.00
14.10	98.94	2.00	0.00	1.00	0.00	14.11	98.34	2.00	0.00	1.00	0.00
14.12	97.91	2.00	0.00	1.00	0.00	14.13	97.75	2.00	0.00	1.00	0.00
14.14	97.04	2.00	0.00	1.00	0.00	14.15	95.80	2.00	0.00	1.00	0.00
14.16	94.14	2.00	0.00	1.00	0.00	14.17	92.38	2.00	0.00	1.00	0.00
14.18	91.00	2.00	0.00	1.00	0.00	14.19	90.10	2.00	0.00	1.00	0.00
14.20	90.04	2.00	0.00	1.00	0.00	14.21	90.18	2.00	0.00	1.00	0.00
14.22	90.35	2.00	0.00	1.00	0.00	14.23	90.33	2.00	0.00	1.00	0.00
14.24	90.12	2.00	0.00	1.00	0.00	14.25	89.85	2.00	0.00	1.00	0.00
14.26	89.75	2.00	0.00	1.00	0.00	14.27	90.01	2.00	0.00	1.00	0.00
14.28	90.48	2.00	0.00	1.00	0.00	14.29	91.02	2.00	0.00	1.00	0.00
14.30	91.76	2.00	0.00	1.00	0.00	14.31	92.44	2.00	0.00	1.00	0.00
14.32	92.95	2.00	0.00	1.00	0.00	14.33	93.08	2.00	0.00	1.00	0.00
14.34	93.17	2.00	0.00	1.00	0.00	14.35	93.37	2.00	0.00	1.00	0.00
14.36	93.64	2.00	0.00	1.00	0.00	14.37	94.02	2.00	0.00	1.00	0.00
14.38	94.39	2.00	0.00	1.00	0.00	14.39	94.90	2.00	0.00	1.00	0.00
14.40	95.32	2.00	0.00	1.00	0.00	14.41	95.62	2.00	0.00	1.00	0.00
14.42	95.81	2.00	0.00	1.00	0.00	14.43	96.19	2.00	0.00	1.00	0.00
14.44	96.66	2.00	0.00	1.00	0.00	14.45	97.03	2.00	0.00	1.00	0.00
14.46	97.24	2.00	0.00	1.00	0.00	14.47	97.34	2.00	0.00	1.00	0.00
14.48	97.41	2.00	0.00	1.00	0.00	14.49	97.39	2.00	0.00	1.00	0.00
14.50	97.45	2.00	0.00	1.00	0.00	14.51	97.63	2.00	0.00	1.00	0.00
14.52	97.72	2.00	0.00	1.00	0.00	14.53	97.57	2.00	0.00	1.00	0.00
14.54	97.28	2.00	0.00	1.00	0.00	14.55	97.08	2.00	0.00	1.00	0.00
14.56	97.01	2.00	0.00	1.00	0.00	14.57	96.88	2.00	0.00	1.00	0.00
14.58	96.52	2.00	0.00	1.00	0.00	14.59	96.05	2.00	0.00	1.00	0.00
14.60	95.59	2.00	0.00	1.00	0.00	14.61	95.41	2.00	0.00	1.00	0.00
14.62	95.56	2.00	0.00	1.00	0.00	14.63	95.93	2.00	0.00	1.00	0.00
14.64	96.26	2.00	0.00	1.00	0.00	14.65	96.41	2.00	0.00	1.00	0.00
14.66	95.86	2.00	0.00	1.00	0.00	14.67	95.11	2.00	0.00	1.00	0.00
14.68	94.38	2.00	0.00	1.00	0.00	14.69	94.47	2.00	0.00	1.00	0.00
14.70	94.90	2.00	0.00	1.00	0.00	14.71	95.75	2.00	0.00	1.00	0.00
14.72	96.47	2.00	0.00	1.00	0.00	14.73	97.10	2.00	0.00	1.00	0.00
14.74	97.31	2.00	0.00	1.00	0.00	14.75	97.50	2.00	0.00	1.00	0.00
14.76	97.55	2.00	0.00	1.00	0.00	14.77	97.57	2.00	0.00	1.00	0.00
14.78	97.67	2.00	0.00	1.00	0.00	14.79	98.00	2.00	0.00	1.00	0.00
14.80	98.47	2.00	0.00	1.00	0.00	14.81	98.90	2.00	0.00	1.00	0.00
14.82	99.18	2.00	0.00	1.00	0.00	14.83	99.41	2.00	0.00	1.00	0.00
14.84	99.71	2.00	0.00	1.00	0.00	14.85	100.15	2.00	0.00	1.00	0.00
14.86	100.67	2.00	0.00	1.00	0.00	14.87	101.00	2.00	0.00	1.00	0.00
14.88	100.72	2.00	0.00	1.00	0.00	14.89	99.94	2.00	0.00	1.00	0.00

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

Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.90	99.20	2.00	0.00	1.00	0.00	14.91	98.88	2.00	0.00	1.00	0.00
14.92	97.05	2.00	0.00	1.00	0.00	14.93	95.24	2.00	0.00	1.00	0.00
14.94	93.56	2.00	0.00	1.00	0.00	14.95	93.96	2.00	0.00	1.00	0.00
14.96	94.31	2.00	0.00	1.00	0.00	14.97	94.50	2.00	0.00	1.00	0.00
14.98	94.40	2.00	0.00	1.00	0.00	14.99	94.32	2.00	0.00	1.00	0.00
15.00	94.20	2.00	0.00	1.00	0.00	15.01	94.46	2.00	0.00	1.00	0.00
15.02	95.08	2.00	0.00	1.00	0.00	15.03	96.01	2.00	0.00	1.00	0.00
15.04	96.88	2.00	0.00	1.00	0.00	15.05	97.27	2.00	0.00	1.00	0.00
15.06	97.44	2.00	0.00	1.00	0.00	15.07	97.56	2.00	0.00	1.00	0.00
15.08	97.88	2.00	0.00	1.00	0.00	15.09	98.18	2.00	0.00	1.00	0.00
15.10	98.19	2.00	0.00	1.00	0.00	15.11	98.02	2.00	0.00	1.00	0.00
15.12	98.14	2.00	0.00	1.00	0.00	15.13	98.61	2.00	0.00	1.00	0.00
15.14	99.16	2.00	0.00	1.00	0.00	15.15	99.27	2.00	0.00	1.00	0.00
15.16	99.03	2.00	0.00	1.00	0.00	15.17	98.69	2.00	0.00	1.00	0.00
15.18	98.63	2.00	0.00	1.00	0.00	15.19	98.71	2.00	0.00	1.00	0.00
15.20	98.79	2.00	0.00	1.00	0.00	15.21	98.66	2.00	0.00	1.00	0.00
15.22	98.20	2.00	0.00	1.00	0.00	15.23	97.93	2.00	0.00	1.00	0.00
15.24	98.03	2.00	0.00	1.00	0.00	15.25	98.43	2.00	0.00	1.00	0.00
15.26	98.51	2.00	0.00	1.00	0.00	15.27	98.32	2.00	0.00	1.00	0.00
15.28	98.82	2.00	0.00	1.00	0.00	15.29	99.77	2.00	0.00	1.00	0.00
15.30	100.89	2.00	0.00	1.00	0.00	15.31	102.34	2.00	0.00	1.00	0.00
15.32	103.80	2.00	0.00	1.00	0.00	15.33	105.14	2.00	0.00	1.00	0.00
15.34	105.94	2.00	0.00	1.00	0.00	15.35	106.67	2.00	0.00	1.00	0.00
15.36	107.42	2.00	0.00	1.00	0.00	15.37	107.53	2.00	0.00	1.00	0.00
15.38	107.53	2.00	0.00	1.00	0.00	15.39	107.41	2.00	0.00	1.00	0.00
15.40	107.50	2.00	0.00	1.00	0.00	15.41	107.39	2.00	0.00	1.00	0.00
15.42	107.19	2.00	0.00	1.00	0.00	15.43	106.98	2.00	0.00	1.00	0.00
15.44	106.81	2.00	0.00	1.00	0.00	15.45	106.71	2.00	0.00	1.00	0.00
15.46	106.21	2.00	0.00	1.00	0.00	15.47	105.55	2.00	0.00	1.00	0.00
15.48	104.90	2.00	0.00	1.00	0.00	15.49	104.77	2.00	0.00	1.00	0.00
15.50	105.00	2.00	0.00	1.00	0.00	15.51	105.20	2.00	0.00	1.00	0.00
15.52	105.20	2.00	0.00	1.00	0.00	15.53	104.84	2.00	0.00	1.00	0.00
15.54	104.25	2.00	0.00	1.00	0.00	15.55	103.24	2.00	0.00	1.00	0.00
15.56	102.19	2.00	0.00	1.00	0.00	15.57	100.84	2.00	0.00	1.00	0.00
15.58	99.72	2.00	0.00	1.00	0.00	15.59	98.44	2.00	0.00	1.00	0.00
15.60	97.35	2.00	0.00	1.00	0.00	15.61	96.10	2.00	0.00	1.00	0.00
15.62	94.65	2.00	0.00	1.00	0.00	15.63	92.93	2.00	0.00	1.00	0.00
15.64	90.98	2.00	0.00	1.00	0.00	15.65	89.47	2.00	0.00	1.00	0.00
15.66	88.42	2.00	0.00	1.00	0.00	15.67	87.80	2.00	0.00	1.00	0.00
15.68	86.99	2.00	0.00	1.00	0.00	15.69	86.10	2.00	0.00	1.00	0.00
15.70	85.53	2.00	0.00	1.00	0.00	15.71	85.48	2.00	0.00	1.00	0.00
15.72	85.99	2.00	0.00	1.00	0.00	15.73	86.65	2.00	0.00	1.00	0.00
15.74	87.29	2.00	0.00	1.00	0.00	15.75	87.52	2.00	0.00	1.00	0.00
15.76	87.53	2.00	0.00	1.00	0.00	15.77	87.31	2.00	0.00	1.00	0.00
15.78	87.17	2.00	0.00	1.00	0.00	15.79	86.96	2.00	0.00	1.00	0.00
15.80	86.82	2.00	0.00	1.00	0.00						

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

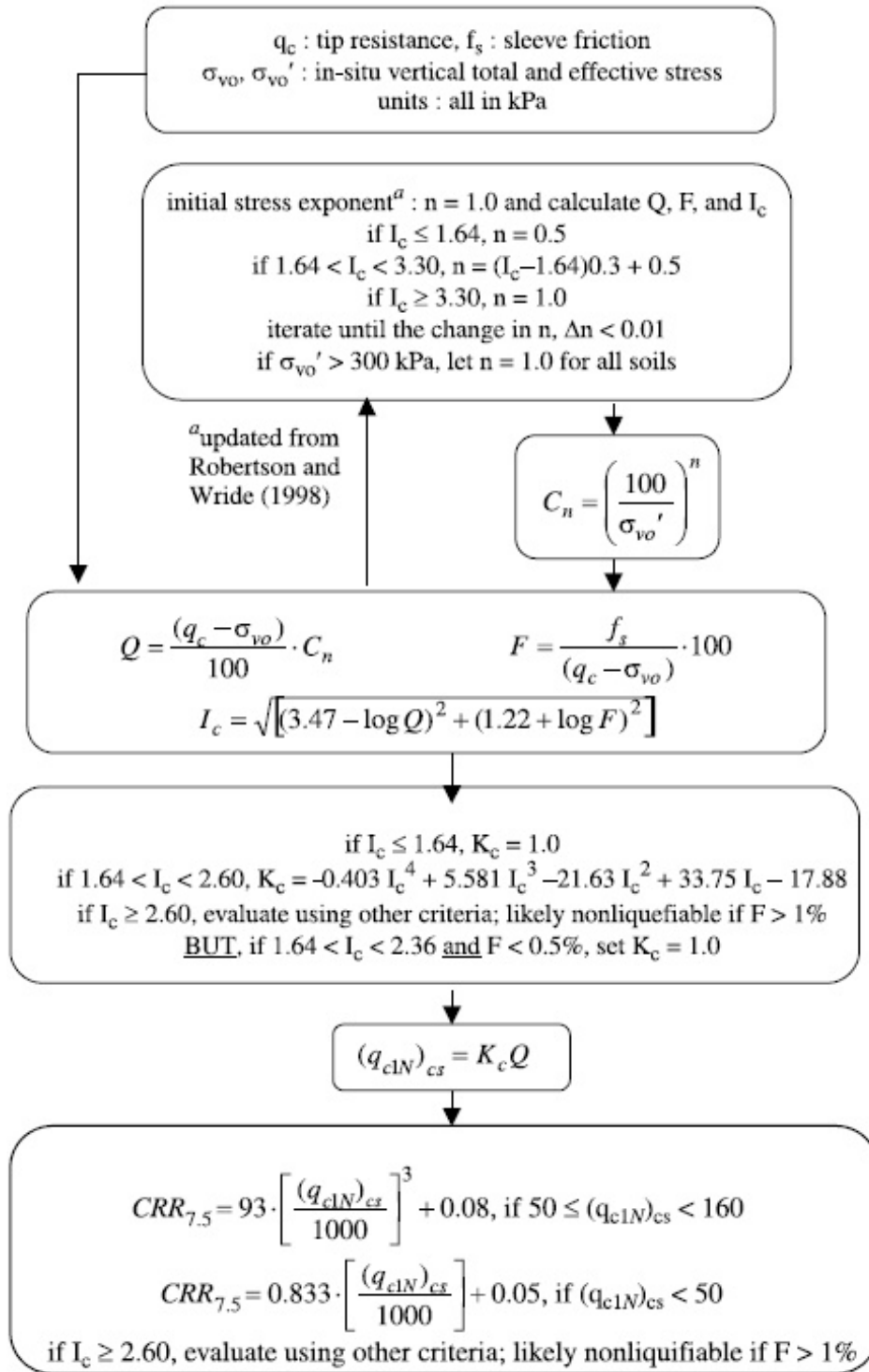
Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$Q_{tn,cs}$	FS	e_v (%)	DF	Settlement (cm)
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Total estimated settlement: 12.12**Abbreviations**

$Q_{tn,cs}$: 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)

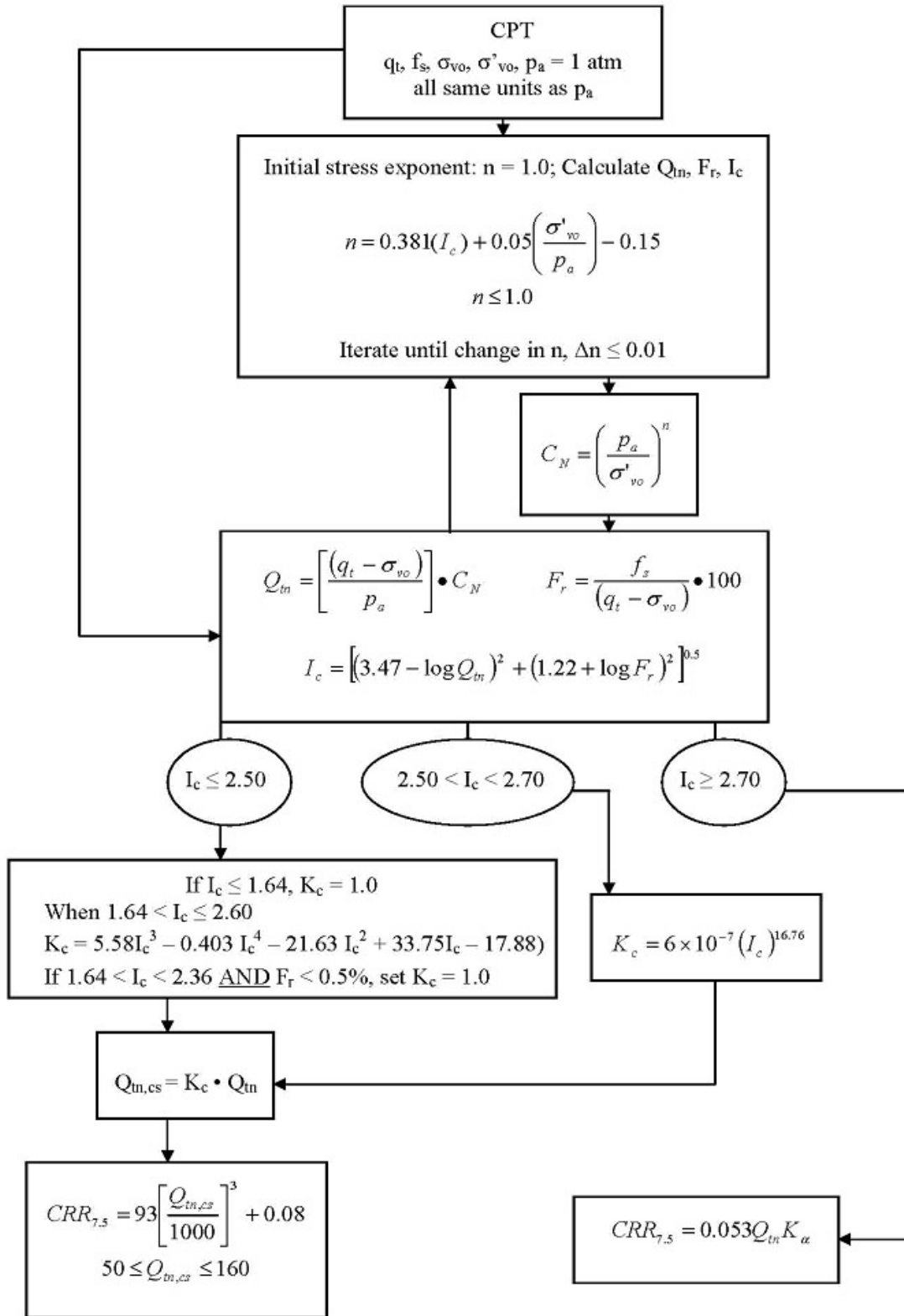
Calculation of soil resistance against liquefaction is performed according to the Robertson & Wride (1998) procedure. The procedure used in the software, slightly differs from the one originally published in NCEER-97-0022 (Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils). The revised procedure is presented below in the form of a flowchart¹:



¹ "Estimating liquefaction-induced ground settlements from CPT for level ground", G. Zhang, P.K. Robertson, and R.W.I. Brachman

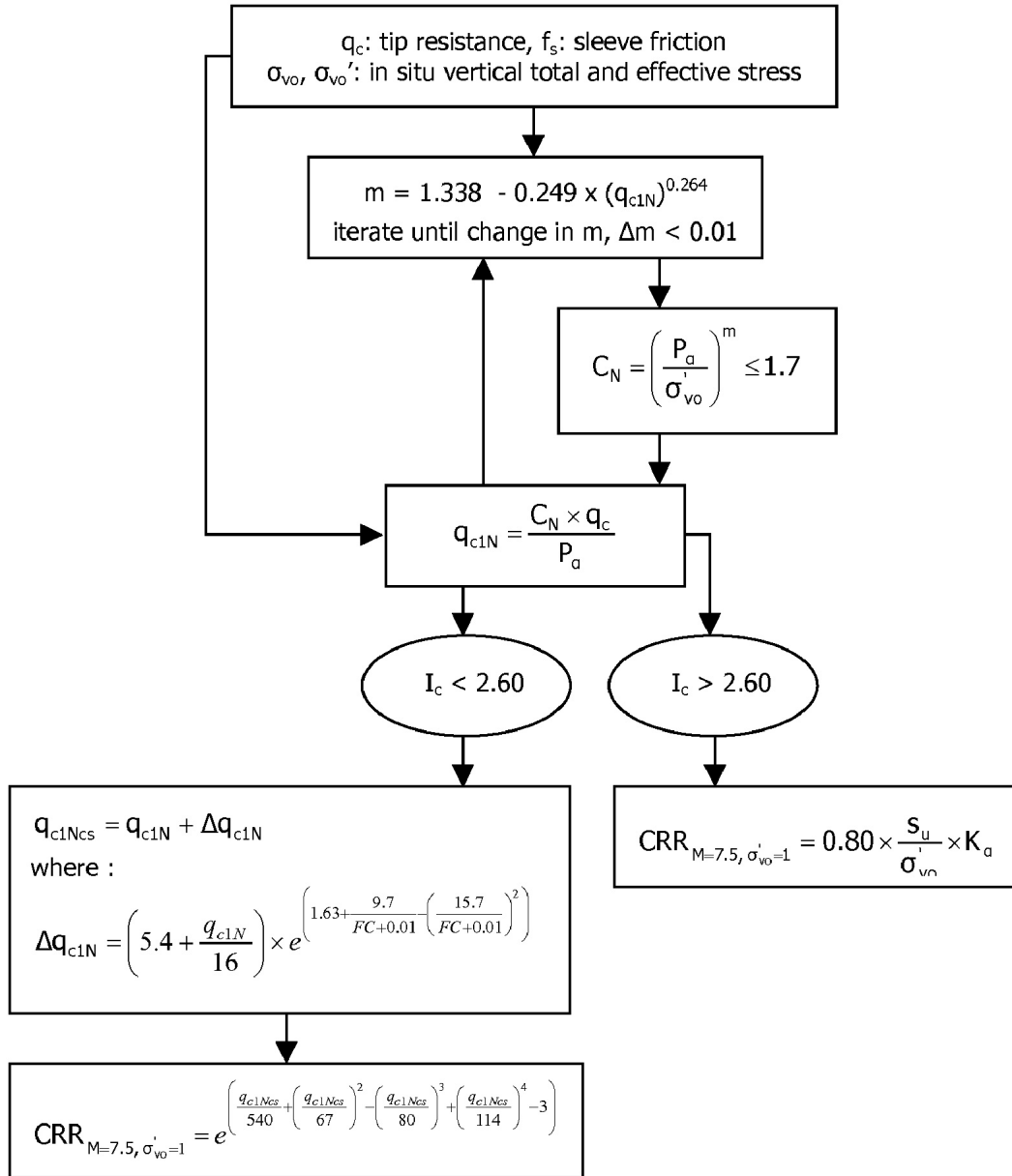
Procedure for the evaluation of soil liquefaction resistance (all soils), Robertson (2010)

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 flowchart¹:

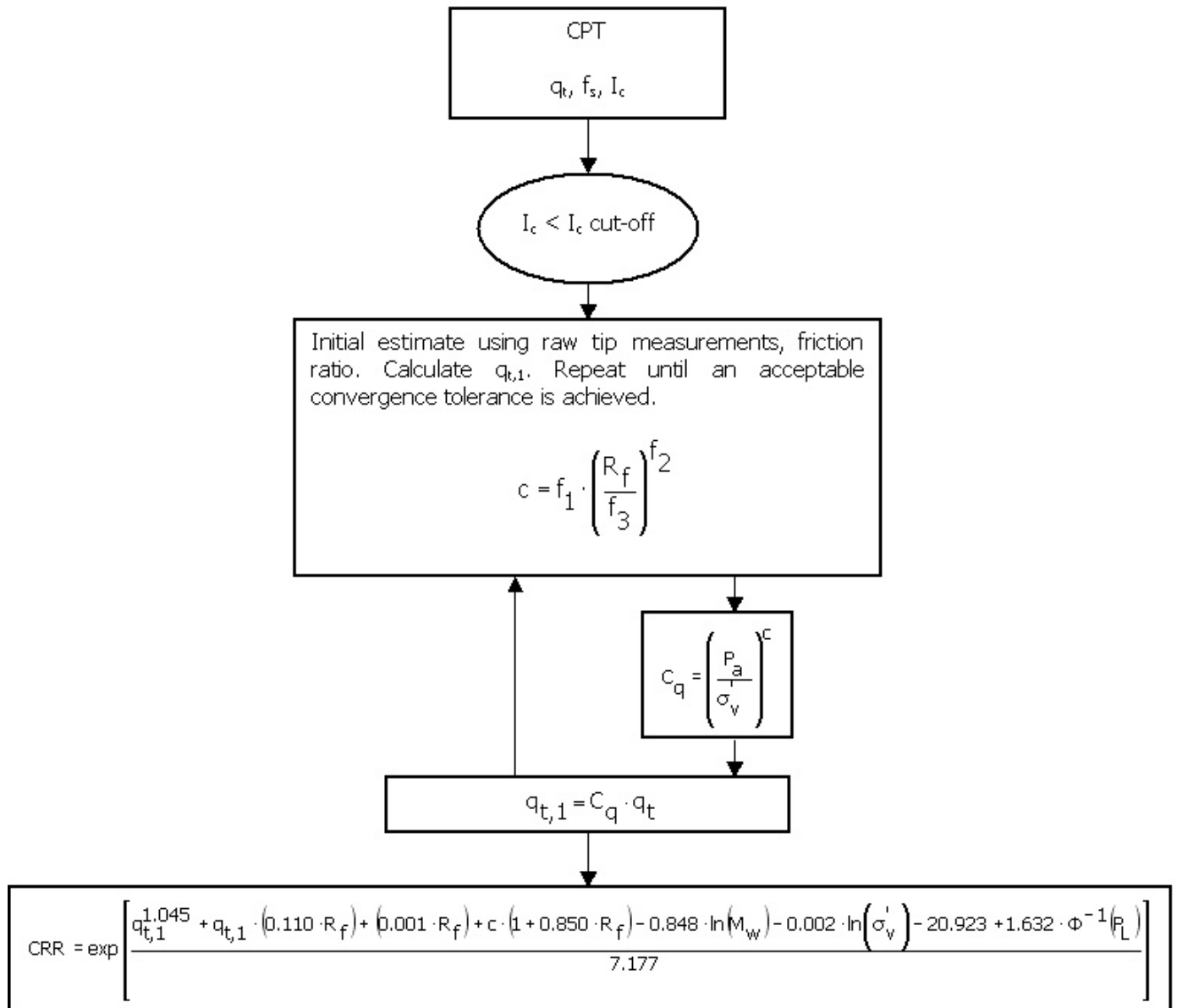


¹ P.K. Robertson, 2009. "Performance based earthquake design using the CPT", Keynote Lecture, International Conference on Performance-based Design in Earthquake Geotechnical Engineering – from case history to practice, IS-Tokyo, June 2009

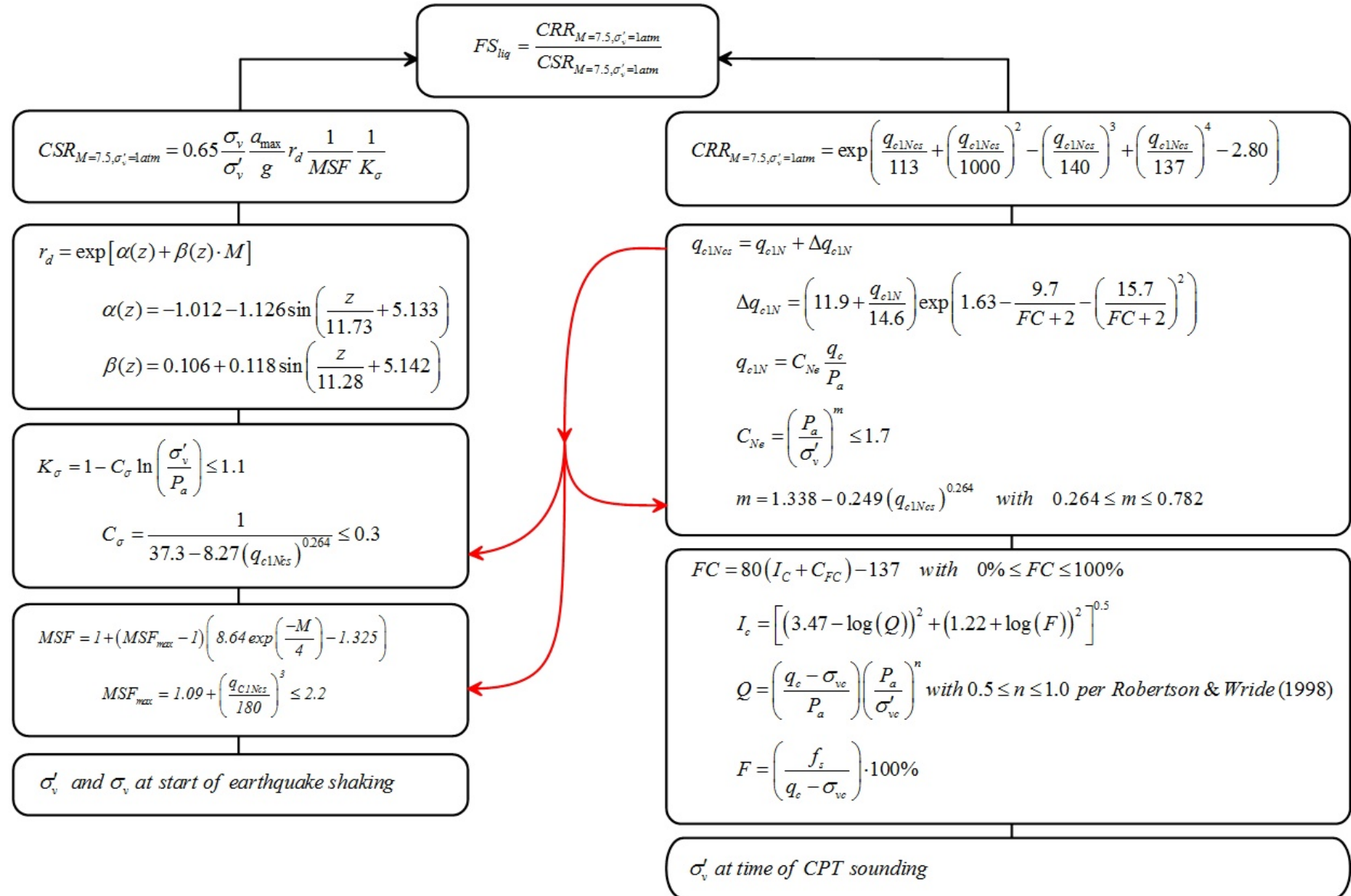
Procedure for the evaluation of soil liquefaction resistance, Idriss & Boulanger (2008)



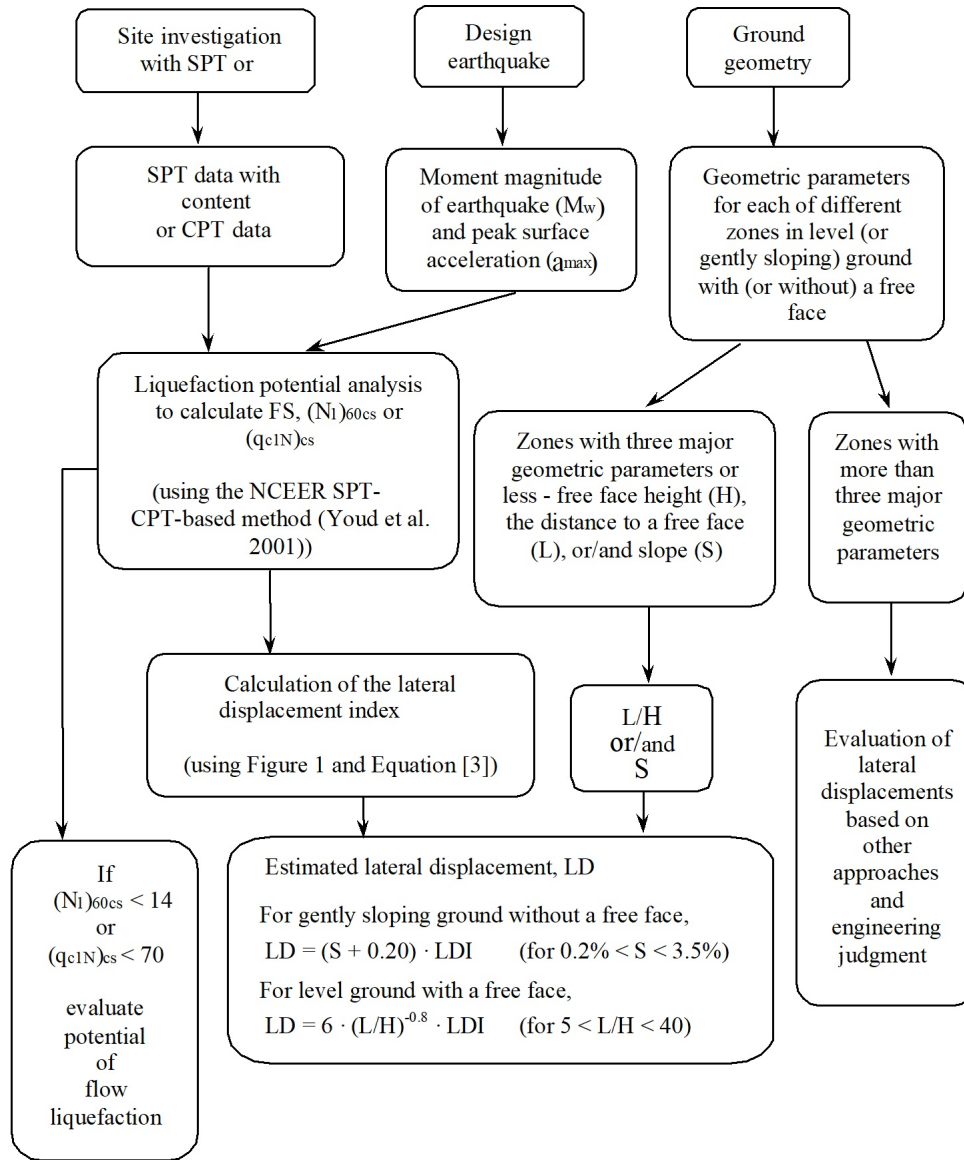
Procedure for the evaluation of soil liquefaction resistance (sandy soils), Moss et al. (2006)



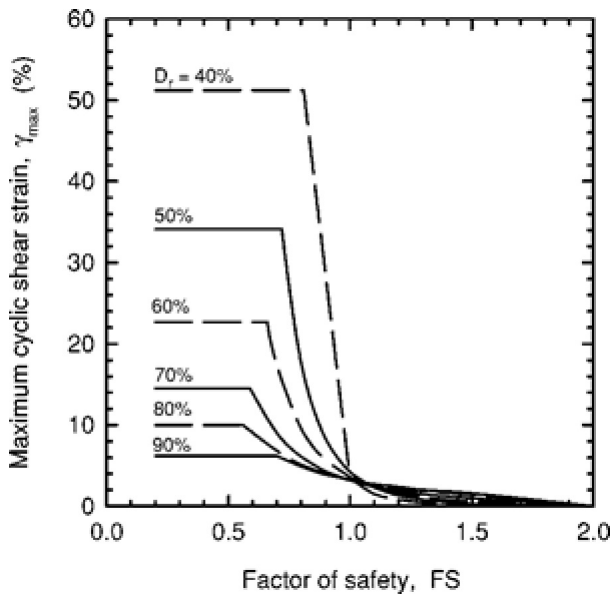
Procedure for the evaluation of soil liquefaction resistance, Boulanger & Idriss(2014)



Procedure for the evaluation of liquefaction-induced lateral spreading displacements



¹ Flow chart illustrating major steps in estimating liquefaction-induced lateral spreading displacements using the proposed approach



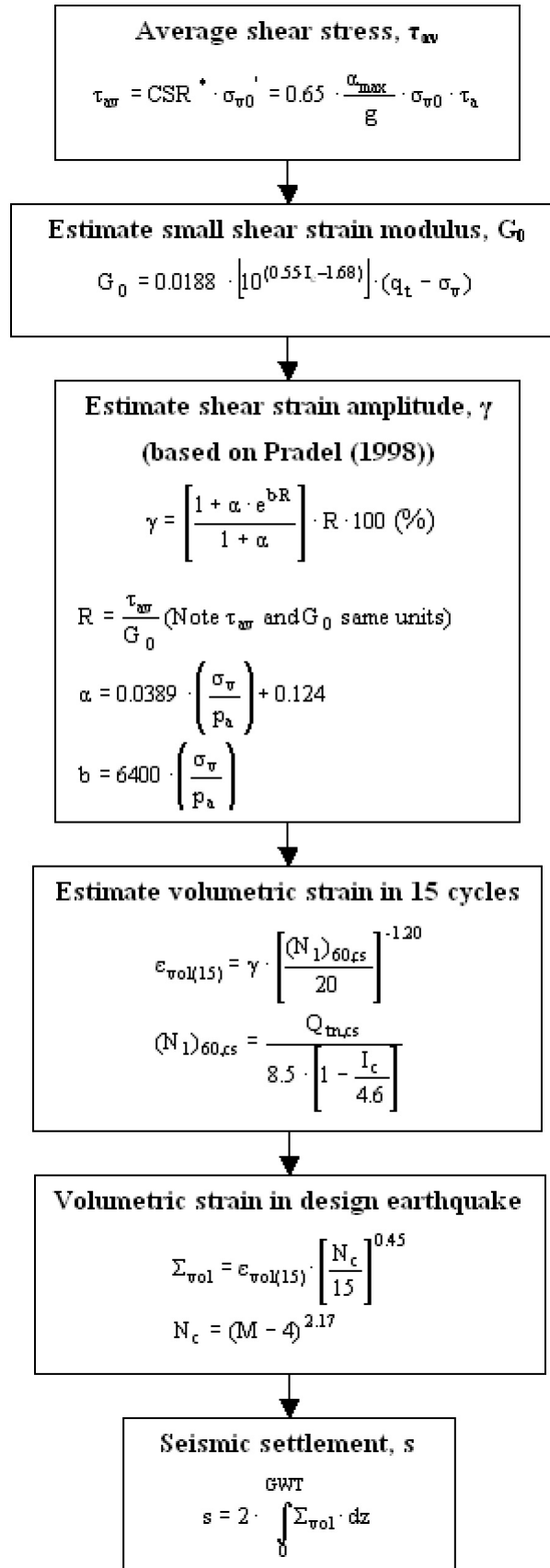
¹ Figure 1

$$LDI = \int_0^{Z_{max}} \gamma_{max} dz$$

¹ Equation [3]

¹ "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:

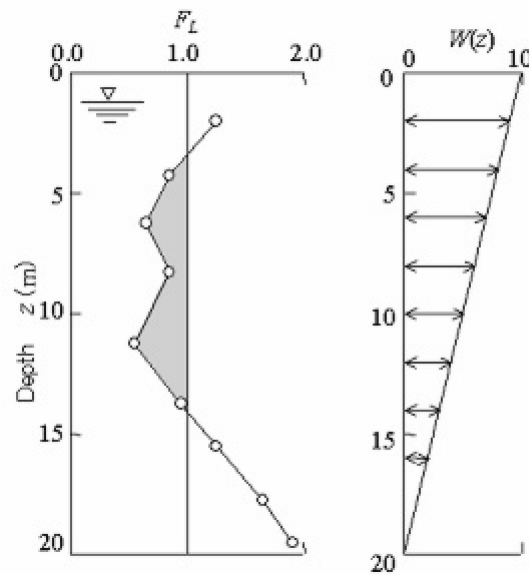
$F_L = 1 - F.S.$ when F.S. less than 1

$F_L = 0$ 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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