

LIQUEFACTION ANALYSIS REPORT

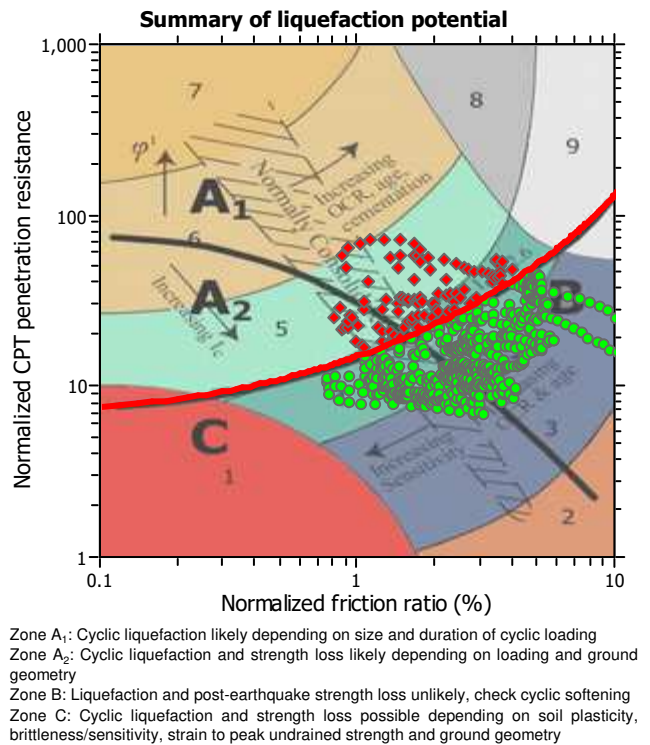
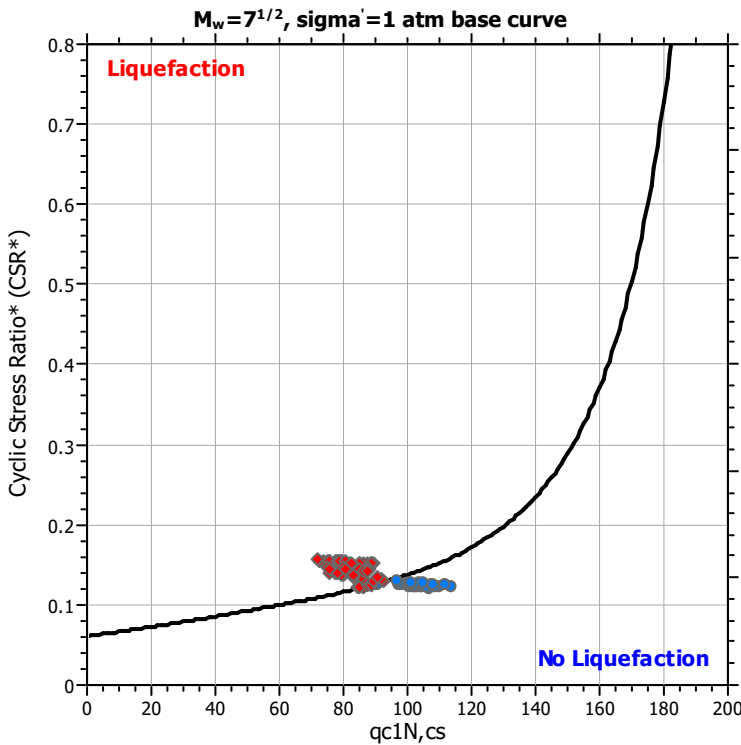
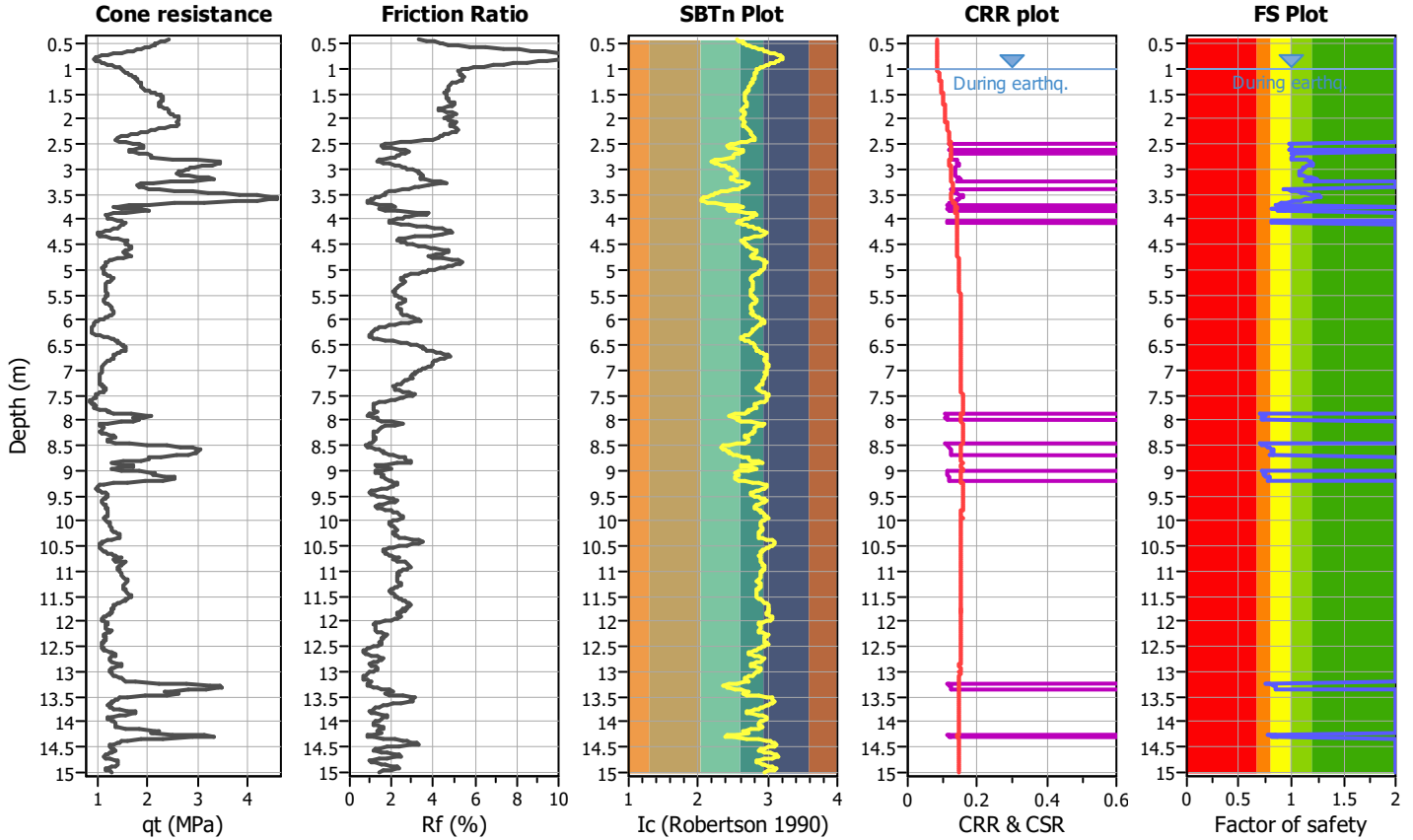
Project title :

Location :

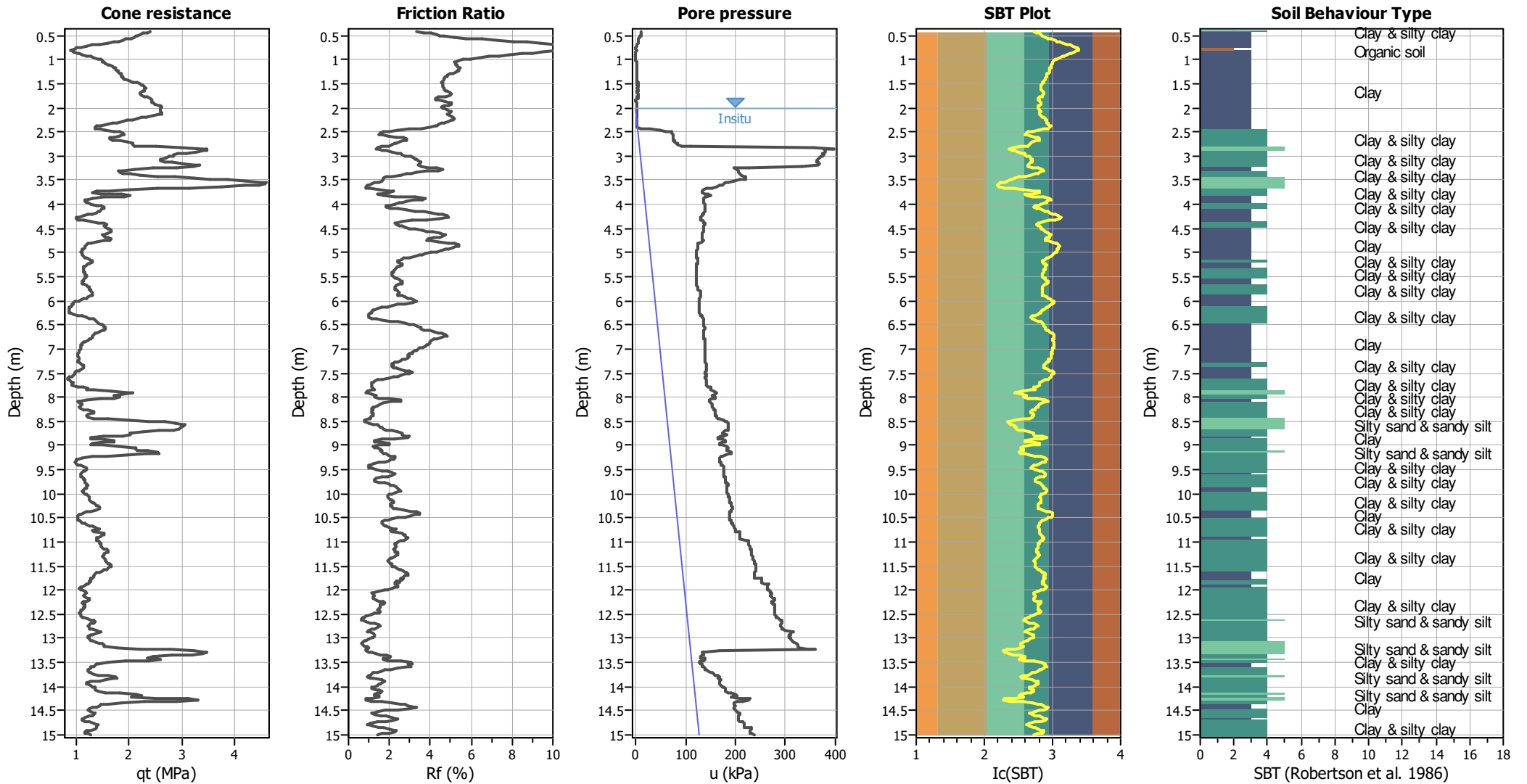
CPT file : CPTU 1

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.16	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		



CPT basic interpretation plots



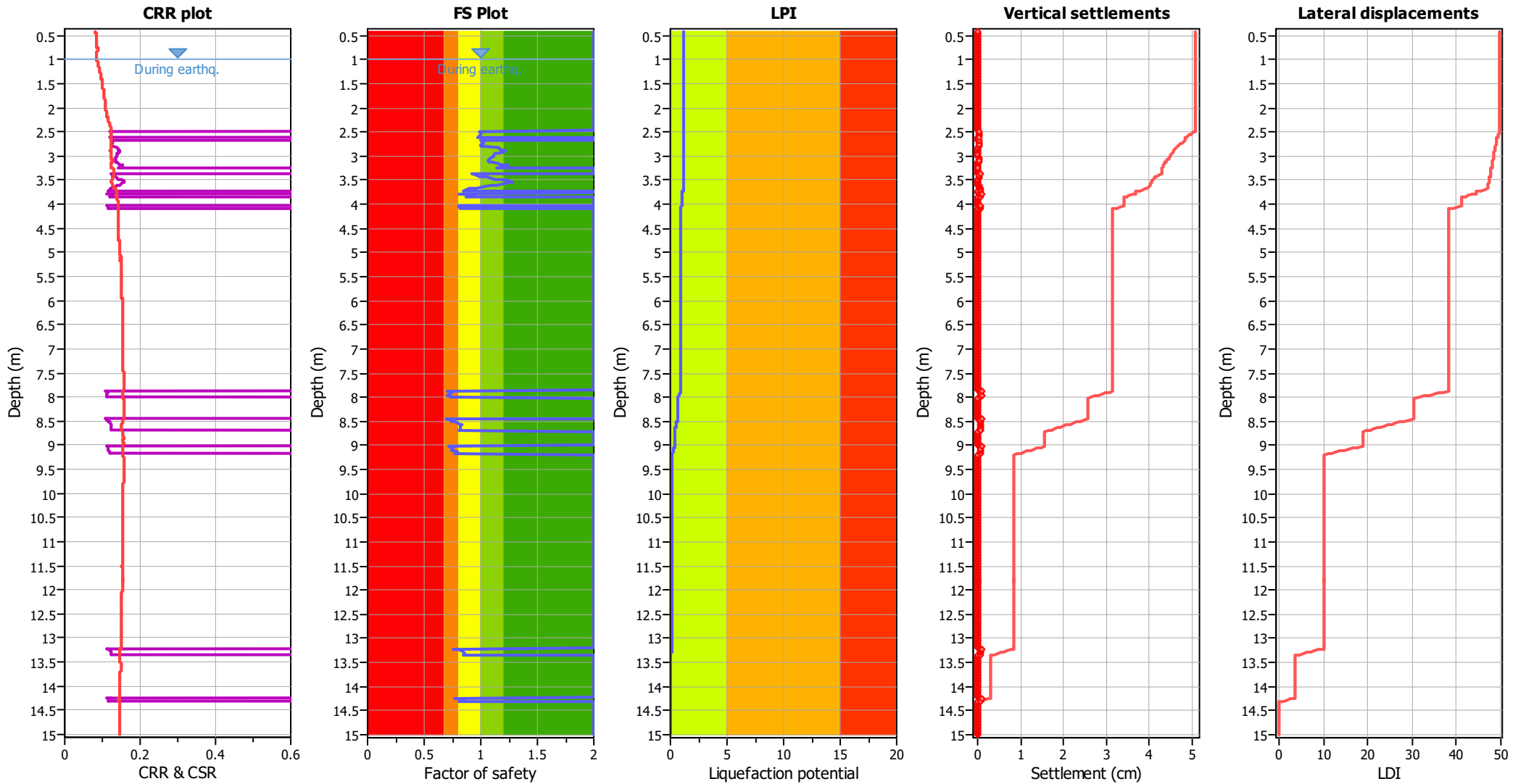
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _q applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_{σ} applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.42	2.00	0.00	9.79	0.02	0.00	0.44	2.00	0.00	9.78	0.02	0.00
0.46	2.00	0.00	9.77	0.02	0.00	0.48	2.00	0.00	9.76	0.02	0.00
0.50	2.00	0.00	9.75	0.02	0.00	0.52	2.00	0.00	9.74	0.02	0.00
0.54	2.00	0.00	9.73	0.02	0.00	0.56	2.00	0.00	9.72	0.02	0.00
0.58	2.00	0.00	9.71	0.02	0.00	0.60	2.00	0.00	9.70	0.02	0.00
0.62	2.00	0.00	9.69	0.02	0.00	0.64	2.00	0.00	9.68	0.02	0.00
0.66	2.00	0.00	9.67	0.02	0.00	0.68	2.00	0.00	9.66	0.02	0.00
0.70	2.00	0.00	9.65	0.02	0.00	0.72	2.00	0.00	9.64	0.02	0.00
0.74	2.00	0.00	9.63	0.02	0.00	0.76	2.00	0.00	9.62	0.02	0.00
0.78	2.00	0.00	9.61	0.02	0.00	0.80	2.00	0.00	9.60	0.02	0.00
0.82	2.00	0.00	9.59	0.02	0.00	0.84	2.00	0.00	9.58	0.02	0.00
0.86	2.00	0.00	9.57	0.02	0.00	0.88	2.00	0.00	9.56	0.02	0.00
0.90	2.00	0.00	9.55	0.02	0.00	0.92	2.00	0.00	9.54	0.02	0.00
0.94	2.00	0.00	9.53	0.02	0.00	0.96	2.00	0.00	9.52	0.02	0.00
0.98	2.00	0.00	9.51	0.02	0.00	1.00	2.00	0.00	9.50	0.02	0.00
1.02	2.00	0.00	9.49	0.02	0.00	1.04	2.00	0.00	9.48	0.02	0.00
1.06	2.00	0.00	9.47	0.02	0.00	1.08	2.00	0.00	9.46	0.02	0.00
1.10	2.00	0.00	9.45	0.02	0.00	1.12	2.00	0.00	9.44	0.02	0.00
1.14	2.00	0.00	9.43	0.02	0.00	1.16	2.00	0.00	9.42	0.02	0.00
1.18	2.00	0.00	9.41	0.02	0.00	1.20	2.00	0.00	9.40	0.02	0.00
1.22	2.00	0.00	9.39	0.02	0.00	1.24	2.00	0.00	9.38	0.02	0.00
1.26	2.00	0.00	9.37	0.02	0.00	1.28	2.00	0.00	9.36	0.02	0.00
1.30	2.00	0.00	9.35	0.02	0.00	1.32	2.00	0.00	9.34	0.02	0.00
1.34	2.00	0.00	9.33	0.02	0.00	1.36	2.00	0.00	9.32	0.02	0.00
1.38	2.00	0.00	9.31	0.02	0.00	1.40	2.00	0.00	9.30	0.02	0.00
1.42	2.00	0.00	9.29	0.02	0.00	1.44	2.00	0.00	9.28	0.02	0.00
1.46	2.00	0.00	9.27	0.02	0.00	1.48	2.00	0.00	9.26	0.02	0.00
1.50	2.00	0.00	9.25	0.02	0.00	1.52	2.00	0.00	9.24	0.02	0.00
1.54	2.00	0.00	9.23	0.02	0.00	1.56	2.00	0.00	9.22	0.02	0.00
1.58	2.00	0.00	9.21	0.02	0.00	1.60	2.00	0.00	9.20	0.02	0.00
1.62	2.00	0.00	9.19	0.02	0.00	1.64	2.00	0.00	9.18	0.02	0.00
1.66	2.00	0.00	9.17	0.02	0.00	1.68	2.00	0.00	9.16	0.02	0.00
1.70	2.00	0.00	9.15	0.02	0.00	1.72	2.00	0.00	9.14	0.02	0.00
1.74	2.00	0.00	9.13	0.02	0.00	1.76	2.00	0.00	9.12	0.02	0.00
1.78	2.00	0.00	9.11	0.02	0.00	1.80	2.00	0.00	9.10	0.02	0.00
1.82	2.00	0.00	9.09	0.02	0.00	1.84	2.00	0.00	9.08	0.02	0.00
1.86	2.00	0.00	9.07	0.02	0.00	1.88	2.00	0.00	9.06	0.02	0.00
1.90	2.00	0.00	9.05	0.02	0.00	1.92	2.00	0.00	9.04	0.02	0.00
1.94	2.00	0.00	9.03	0.02	0.00	1.96	2.00	0.00	9.02	0.02	0.00
1.98	2.00	0.00	9.01	0.02	0.00	2.00	2.00	0.00	9.00	0.02	0.00
2.02	2.00	0.00	8.99	0.02	0.00	2.04	2.00	0.00	8.98	0.02	0.00
2.06	2.00	0.00	8.97	0.02	0.00	2.08	2.00	0.00	8.96	0.02	0.00
2.10	2.00	0.00	8.95	0.02	0.00	2.12	2.00	0.00	8.94	0.02	0.00
2.14	2.00	0.00	8.93	0.02	0.00	2.16	2.00	0.00	8.92	0.02	0.00
2.18	2.00	0.00	8.91	0.02	0.00	2.20	2.00	0.00	8.90	0.02	0.00
2.22	2.00	0.00	8.89	0.02	0.00	2.24	2.00	0.00	8.88	0.02	0.00
2.26	2.00	0.00	8.87	0.02	0.00	2.28	2.00	0.00	8.86	0.02	0.00
2.30	2.00	0.00	8.85	0.02	0.00	2.32	2.00	0.00	8.84	0.02	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
2.34	2.00	0.00	8.83	0.02	0.00	2.36	2.00	0.00	8.82	0.02	0.00
2.38	2.00	0.00	8.81	0.02	0.00	2.40	2.00	0.00	8.80	0.02	0.00
2.42	2.00	0.00	8.79	0.02	0.00	2.44	2.00	0.00	8.78	0.02	0.00
2.46	2.00	0.00	8.77	0.02	0.00	2.48	0.99	0.01	8.76	0.02	0.00
2.50	1.00	0.00	8.75	0.02	0.00	2.52	1.00	0.00	8.74	0.02	0.00
2.54	1.00	0.00	8.73	0.02	0.00	2.56	1.00	0.00	8.72	0.02	0.00
2.58	0.99	0.01	8.71	0.02	0.00	2.60	0.98	0.02	8.70	0.02	0.00
2.62	2.00	0.00	8.69	0.02	0.00	2.64	2.00	0.00	8.68	0.02	0.00
2.66	2.00	0.00	8.67	0.02	0.00	2.68	0.99	0.01	8.66	0.02	0.00
2.70	1.01	0.00	8.65	0.02	0.00	2.72	1.02	0.00	8.64	0.02	0.00
2.74	1.02	0.00	8.63	0.02	0.00	2.76	1.00	0.00	8.62	0.02	0.00
2.78	1.00	0.00	8.61	0.02	0.00	2.80	1.00	0.00	8.60	0.02	0.00
2.82	1.15	0.00	8.59	0.02	0.00	2.84	1.16	0.00	8.58	0.02	0.00
2.86	1.18	0.00	8.57	0.02	0.00	2.88	1.18	0.00	8.56	0.02	0.00
2.90	1.21	0.00	8.55	0.02	0.00	2.92	1.21	0.00	8.54	0.02	0.00
2.94	1.15	0.00	8.53	0.02	0.00	2.96	1.12	0.00	8.52	0.02	0.00
2.98	1.12	0.00	8.51	0.02	0.00	3.00	1.12	0.00	8.50	0.02	0.00
3.02	1.12	0.00	8.49	0.02	0.00	3.04	1.09	0.00	8.48	0.02	0.00
3.06	1.08	0.00	8.47	0.02	0.00	3.08	1.07	0.00	8.46	0.02	0.00
3.10	1.07	0.00	8.45	0.02	0.00	3.12	1.08	0.00	8.44	0.02	0.00
3.14	1.11	0.00	8.43	0.02	0.00	3.16	1.16	0.00	8.42	0.02	0.00
3.18	1.19	0.00	8.41	0.02	0.00	3.20	1.25	0.00	8.40	0.02	0.00
3.22	1.22	0.00	8.39	0.02	0.00	3.24	1.14	0.00	8.38	0.02	0.00
3.26	2.00	0.00	8.37	0.02	0.00	3.28	2.00	0.00	8.36	0.02	0.00
3.30	2.00	0.00	8.35	0.02	0.00	3.32	2.00	0.00	8.34	0.02	0.00
3.34	2.00	0.00	8.33	0.02	0.00	3.36	2.00	0.00	8.32	0.02	0.00
3.38	0.93	0.07	8.31	0.02	0.01	3.40	0.96	0.04	8.30	0.02	0.01
3.42	0.99	0.01	8.29	0.02	0.00	3.44	1.05	0.00	8.28	0.02	0.00
3.46	1.09	0.00	8.27	0.02	0.00	3.48	1.13	0.00	8.26	0.02	0.00
3.50	1.19	0.00	8.25	0.02	0.00	3.52	1.26	0.00	8.24	0.02	0.00
3.54	1.29	0.00	8.23	0.02	0.00	3.56	1.25	0.00	8.22	0.02	0.00
3.58	1.19	0.00	8.21	0.02	0.00	3.60	1.14	0.00	8.20	0.02	0.00
3.62	1.09	0.00	8.19	0.02	0.00	3.64	1.03	0.00	8.18	0.02	0.00
3.66	0.97	0.03	8.17	0.02	0.01	3.68	0.90	0.10	8.16	0.02	0.02
3.70	0.88	0.12	8.15	0.02	0.02	3.72	0.85	0.15	8.14	0.02	0.02
3.74	2.00	0.00	8.13	0.02	0.00	3.76	2.00	0.00	8.12	0.02	0.00
3.78	0.81	0.19	8.11	0.02	0.03	3.80	0.84	0.16	8.10	0.02	0.03
3.82	0.94	0.06	8.09	0.02	0.01	3.84	0.87	0.13	8.08	0.02	0.02
3.86	2.00	0.00	8.07	0.02	0.00	3.88	2.00	0.00	8.06	0.02	0.00
3.90	2.00	0.00	8.05	0.02	0.00	3.92	2.00	0.00	8.04	0.02	0.00
3.94	2.00	0.00	8.03	0.02	0.00	3.96	2.00	0.00	8.02	0.02	0.00
3.98	2.00	0.00	8.01	0.02	0.00	4.00	2.00	0.00	8.00	0.02	0.00
4.02	2.00	0.00	7.99	0.02	0.00	4.04	0.81	0.19	7.98	0.02	0.03
4.06	0.81	0.19	7.97	0.02	0.03	4.08	0.81	0.19	7.96	0.02	0.03
4.10	2.00	0.00	7.95	0.02	0.00	4.12	2.00	0.00	7.94	0.02	0.00
4.14	2.00	0.00	7.93	0.02	0.00	4.16	2.00	0.00	7.92	0.02	0.00
4.18	2.00	0.00	7.91	0.02	0.00	4.20	2.00	0.00	7.90	0.02	0.00
4.22	2.00	0.00	7.89	0.02	0.00	4.24	2.00	0.00	7.88	0.02	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
4.26	2.00	0.00	7.87	0.02	0.00	4.28	2.00	0.00	7.86	0.02	0.00
4.30	2.00	0.00	7.85	0.02	0.00	4.32	2.00	0.00	7.84	0.02	0.00
4.34	2.00	0.00	7.83	0.02	0.00	4.36	2.00	0.00	7.82	0.02	0.00
4.38	2.00	0.00	7.81	0.02	0.00	4.40	2.00	0.00	7.80	0.02	0.00
4.42	2.00	0.00	7.79	0.02	0.00	4.44	2.00	0.00	7.78	0.02	0.00
4.46	2.00	0.00	7.77	0.02	0.00	4.48	2.00	0.00	7.76	0.02	0.00
4.50	2.00	0.00	7.75	0.02	0.00	4.52	2.00	0.00	7.74	0.02	0.00
4.54	2.00	0.00	7.73	0.02	0.00	4.56	2.00	0.00	7.72	0.02	0.00
4.58	2.00	0.00	7.71	0.02	0.00	4.60	2.00	0.00	7.70	0.02	0.00
4.62	2.00	0.00	7.69	0.02	0.00	4.64	2.00	0.00	7.68	0.02	0.00
4.66	2.00	0.00	7.67	0.02	0.00	4.68	2.00	0.00	7.66	0.02	0.00
4.70	2.00	0.00	7.65	0.02	0.00	4.72	2.00	0.00	7.64	0.02	0.00
4.74	2.00	0.00	7.63	0.02	0.00	4.76	2.00	0.00	7.62	0.02	0.00
4.78	2.00	0.00	7.61	0.02	0.00	4.80	2.00	0.00	7.60	0.02	0.00
4.82	2.00	0.00	7.59	0.02	0.00	4.84	2.00	0.00	7.58	0.02	0.00
4.86	2.00	0.00	7.57	0.02	0.00	4.88	2.00	0.00	7.56	0.02	0.00
4.90	2.00	0.00	7.55	0.02	0.00	4.92	2.00	0.00	7.54	0.02	0.00
4.94	2.00	0.00	7.53	0.02	0.00	4.96	2.00	0.00	7.52	0.02	0.00
4.98	2.00	0.00	7.51	0.02	0.00	5.00	2.00	0.00	7.50	0.02	0.00
5.02	2.00	0.00	7.49	0.02	0.00	5.04	2.00	0.00	7.48	0.02	0.00
5.06	2.00	0.00	7.47	0.02	0.00	5.08	2.00	0.00	7.46	0.02	0.00
5.10	2.00	0.00	7.45	0.02	0.00	5.12	2.00	0.00	7.44	0.02	0.00
5.14	2.00	0.00	7.43	0.02	0.00	5.16	2.00	0.00	7.42	0.02	0.00
5.18	2.00	0.00	7.41	0.02	0.00	5.20	2.00	0.00	7.40	0.02	0.00
5.22	2.00	0.00	7.39	0.02	0.00	5.24	2.00	0.00	7.38	0.02	0.00
5.26	2.00	0.00	7.37	0.02	0.00	5.28	2.00	0.00	7.36	0.02	0.00
5.30	2.00	0.00	7.35	0.02	0.00	5.32	2.00	0.00	7.34	0.02	0.00
5.34	2.00	0.00	7.33	0.02	0.00	5.36	2.00	0.00	7.32	0.02	0.00
5.38	2.00	0.00	7.31	0.02	0.00	5.40	2.00	0.00	7.30	0.02	0.00
5.42	2.00	0.00	7.29	0.02	0.00	5.44	2.00	0.00	7.28	0.02	0.00
5.46	2.00	0.00	7.27	0.02	0.00	5.48	2.00	0.00	7.26	0.02	0.00
5.50	2.00	0.00	7.25	0.02	0.00	5.52	2.00	0.00	7.24	0.02	0.00
5.54	2.00	0.00	7.23	0.02	0.00	5.56	2.00	0.00	7.22	0.02	0.00
5.58	2.00	0.00	7.21	0.02	0.00	5.60	2.00	0.00	7.20	0.02	0.00
5.62	2.00	0.00	7.19	0.02	0.00	5.64	2.00	0.00	7.18	0.02	0.00
5.66	2.00	0.00	7.17	0.02	0.00	5.68	2.00	0.00	7.16	0.02	0.00
5.70	2.00	0.00	7.15	0.02	0.00	5.72	2.00	0.00	7.14	0.02	0.00
5.74	2.00	0.00	7.13	0.02	0.00	5.76	2.00	0.00	7.12	0.02	0.00
5.78	2.00	0.00	7.11	0.02	0.00	5.80	2.00	0.00	7.10	0.02	0.00
5.82	2.00	0.00	7.09	0.02	0.00	5.84	2.00	0.00	7.08	0.02	0.00
5.86	2.00	0.00	7.07	0.02	0.00	5.88	2.00	0.00	7.06	0.02	0.00
5.90	2.00	0.00	7.05	0.02	0.00	5.92	2.00	0.00	7.04	0.02	0.00
5.94	2.00	0.00	7.03	0.02	0.00	5.96	2.00	0.00	7.02	0.02	0.00
5.98	2.00	0.00	7.01	0.02	0.00	6.00	2.00	0.00	7.00	0.02	0.00
6.02	2.00	0.00	6.99	0.02	0.00	6.04	2.00	0.00	6.98	0.02	0.00
6.06	2.00	0.00	6.97	0.02	0.00	6.08	2.00	0.00	6.96	0.02	0.00
6.10	2.00	0.00	6.95	0.02	0.00	6.12	2.00	0.00	6.94	0.02	0.00
6.14	2.00	0.00	6.93	0.02	0.00	6.16	2.00	0.00	6.92	0.02	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
6.18	2.00	0.00	6.91	0.02	0.00	6.20	2.00	0.00	6.90	0.02	0.00
6.22	2.00	0.00	6.89	0.02	0.00	6.24	2.00	0.00	6.88	0.02	0.00
6.26	2.00	0.00	6.87	0.02	0.00	6.28	2.00	0.00	6.86	0.02	0.00
6.30	2.00	0.00	6.85	0.02	0.00	6.32	2.00	0.00	6.84	0.02	0.00
6.34	2.00	0.00	6.83	0.02	0.00	6.36	2.00	0.00	6.82	0.02	0.00
6.38	2.00	0.00	6.81	0.02	0.00	6.40	2.00	0.00	6.80	0.02	0.00
6.42	2.00	0.00	6.79	0.02	0.00	6.44	2.00	0.00	6.78	0.02	0.00
6.46	2.00	0.00	6.77	0.02	0.00	6.48	2.00	0.00	6.76	0.02	0.00
6.50	2.00	0.00	6.75	0.02	0.00	6.52	2.00	0.00	6.74	0.02	0.00
6.54	2.00	0.00	6.73	0.02	0.00	6.56	2.00	0.00	6.72	0.02	0.00
6.58	2.00	0.00	6.71	0.02	0.00	6.60	2.00	0.00	6.70	0.02	0.00
6.62	2.00	0.00	6.69	0.02	0.00	6.64	2.00	0.00	6.68	0.02	0.00
6.66	2.00	0.00	6.67	0.02	0.00	6.68	2.00	0.00	6.66	0.02	0.00
6.70	2.00	0.00	6.65	0.02	0.00	6.72	2.00	0.00	6.64	0.02	0.00
6.74	2.00	0.00	6.63	0.02	0.00	6.76	2.00	0.00	6.62	0.02	0.00
6.78	2.00	0.00	6.61	0.02	0.00	6.80	2.00	0.00	6.60	0.02	0.00
6.82	2.00	0.00	6.59	0.02	0.00	6.84	2.00	0.00	6.58	0.02	0.00
6.86	2.00	0.00	6.57	0.02	0.00	6.88	2.00	0.00	6.56	0.02	0.00
6.90	2.00	0.00	6.55	0.02	0.00	6.92	2.00	0.00	6.54	0.02	0.00
6.94	2.00	0.00	6.53	0.02	0.00	6.96	2.00	0.00	6.52	0.02	0.00
6.98	2.00	0.00	6.51	0.02	0.00	7.00	2.00	0.00	6.50	0.02	0.00
7.02	2.00	0.00	6.49	0.02	0.00	7.04	2.00	0.00	6.48	0.02	0.00
7.06	2.00	0.00	6.47	0.02	0.00	7.08	2.00	0.00	6.46	0.02	0.00
7.10	2.00	0.00	6.45	0.02	0.00	7.12	2.00	0.00	6.44	0.02	0.00
7.14	2.00	0.00	6.43	0.02	0.00	7.16	2.00	0.00	6.42	0.02	0.00
7.18	2.00	0.00	6.41	0.02	0.00	7.20	2.00	0.00	6.40	0.02	0.00
7.22	2.00	0.00	6.39	0.02	0.00	7.24	2.00	0.00	6.38	0.02	0.00
7.26	2.00	0.00	6.37	0.02	0.00	7.28	2.00	0.00	6.36	0.02	0.00
7.30	2.00	0.00	6.35	0.02	0.00	7.32	2.00	0.00	6.34	0.02	0.00
7.34	2.00	0.00	6.33	0.02	0.00	7.36	2.00	0.00	6.32	0.02	0.00
7.38	2.00	0.00	6.31	0.02	0.00	7.40	2.00	0.00	6.30	0.02	0.00
7.42	2.00	0.00	6.29	0.02	0.00	7.44	2.00	0.00	6.28	0.02	0.00
7.46	2.00	0.00	6.27	0.02	0.00	7.48	2.00	0.00	6.26	0.02	0.00
7.50	2.00	0.00	6.25	0.02	0.00	7.52	2.00	0.00	6.24	0.02	0.00
7.54	2.00	0.00	6.23	0.02	0.00	7.56	2.00	0.00	6.22	0.02	0.00
7.58	2.00	0.00	6.21	0.02	0.00	7.60	2.00	0.00	6.20	0.02	0.00
7.62	2.00	0.00	6.19	0.02	0.00	7.64	2.00	0.00	6.18	0.02	0.00
7.66	2.00	0.00	6.17	0.02	0.00	7.68	2.00	0.00	6.16	0.02	0.00
7.70	2.00	0.00	6.15	0.02	0.00	7.72	2.00	0.00	6.14	0.02	0.00
7.74	2.00	0.00	6.13	0.02	0.00	7.76	2.00	0.00	6.12	0.02	0.00
7.78	2.00	0.00	6.11	0.02	0.00	7.80	2.00	0.00	6.10	0.02	0.00
7.82	2.00	0.00	6.09	0.02	0.00	7.84	2.00	0.00	6.08	0.02	0.00
7.86	2.00	0.00	6.07	0.02	0.00	7.88	0.70	0.30	6.06	0.02	0.04
7.90	0.74	0.26	6.05	0.02	0.03	7.92	0.75	0.25	6.04	0.02	0.03
7.94	0.73	0.27	6.03	0.02	0.03	7.96	0.71	0.29	6.02	0.02	0.03
7.98	0.72	0.28	6.01	0.02	0.03	8.00	0.74	0.26	6.00	0.02	0.03
8.02	2.00	0.00	5.99	0.02	0.00	8.04	2.00	0.00	5.98	0.02	0.00
8.06	2.00	0.00	5.97	0.02	0.00	8.08	2.00	0.00	5.96	0.02	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
8.10	2.00	0.00	5.95	0.02	0.00	8.12	2.00	0.00	5.94	0.02	0.00
8.14	2.00	0.00	5.93	0.02	0.00	8.16	2.00	0.00	5.92	0.02	0.00
8.18	2.00	0.00	5.91	0.02	0.00	8.20	2.00	0.00	5.90	0.02	0.00
8.22	2.00	0.00	5.89	0.02	0.00	8.24	2.00	0.00	5.88	0.02	0.00
8.26	2.00	0.00	5.87	0.02	0.00	8.28	2.00	0.00	5.86	0.02	0.00
8.30	2.00	0.00	5.85	0.02	0.00	8.32	2.00	0.00	5.84	0.02	0.00
8.34	2.00	0.00	5.83	0.02	0.00	8.36	2.00	0.00	5.82	0.02	0.00
8.38	2.00	0.00	5.81	0.02	0.00	8.40	2.00	0.00	5.80	0.02	0.00
8.42	2.00	0.00	5.79	0.02	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	0.70	0.30	5.77	0.02	0.03	8.48	0.72	0.28	5.76	0.02	0.03
8.50	0.75	0.25	5.75	0.02	0.03	8.52	0.77	0.23	5.74	0.02	0.03
8.54	0.79	0.21	5.73	0.02	0.02	8.56	0.81	0.19	5.72	0.02	0.02
8.58	0.83	0.17	5.71	0.02	0.02	8.60	0.82	0.18	5.70	0.02	0.02
8.62	0.82	0.18	5.69	0.02	0.02	8.64	0.82	0.18	5.68	0.02	0.02
8.66	0.82	0.18	5.67	0.02	0.02	8.68	0.82	0.18	5.66	0.02	0.02
8.70	0.80	0.20	5.65	0.02	0.02	8.72	2.00	0.00	5.64	0.02	0.00
8.74	2.00	0.00	5.63	0.02	0.00	8.76	2.00	0.00	5.62	0.02	0.00
8.78	2.00	0.00	5.61	0.02	0.00	8.80	2.00	0.00	5.60	0.02	0.00
8.82	2.00	0.00	5.59	0.02	0.00	8.84	2.00	0.00	5.58	0.02	0.00
8.86	2.00	0.00	5.57	0.02	0.00	8.88	2.00	0.00	5.56	0.02	0.00
8.90	2.00	0.00	5.55	0.02	0.00	8.92	2.00	0.00	5.54	0.02	0.00
8.94	2.00	0.00	5.53	0.02	0.00	8.96	2.00	0.00	5.52	0.02	0.00
8.98	2.00	0.00	5.51	0.02	0.00	9.00	2.00	0.00	5.50	0.02	0.00
9.02	0.72	0.28	5.49	0.02	0.03	9.04	0.75	0.25	5.48	0.02	0.03
9.06	0.75	0.25	5.47	0.02	0.03	9.08	0.74	0.26	5.46	0.02	0.03
9.10	0.74	0.26	5.45	0.02	0.03	9.12	0.76	0.24	5.44	0.02	0.03
9.14	0.79	0.21	5.43	0.02	0.02	9.16	0.79	0.21	5.42	0.02	0.02
9.18	0.77	0.23	5.41	0.02	0.02	9.20	2.00	0.00	5.40	0.02	0.00
9.22	2.00	0.00	5.39	0.02	0.00	9.24	2.00	0.00	5.38	0.02	0.00
9.26	2.00	0.00	5.37	0.02	0.00	9.28	2.00	0.00	5.36	0.02	0.00
9.30	2.00	0.00	5.35	0.02	0.00	9.32	2.00	0.00	5.34	0.02	0.00
9.34	2.00	0.00	5.33	0.02	0.00	9.36	2.00	0.00	5.32	0.02	0.00
9.38	2.00	0.00	5.31	0.02	0.00	9.40	2.00	0.00	5.30	0.02	0.00
9.42	2.00	0.00	5.29	0.02	0.00	9.44	2.00	0.00	5.28	0.02	0.00
9.46	2.00	0.00	5.27	0.02	0.00	9.48	2.00	0.00	5.26	0.02	0.00
9.50	2.00	0.00	5.25	0.02	0.00	9.52	2.00	0.00	5.24	0.02	0.00
9.54	2.00	0.00	5.23	0.02	0.00	9.56	2.00	0.00	5.22	0.02	0.00
9.58	2.00	0.00	5.21	0.02	0.00	9.60	2.00	0.00	5.20	0.02	0.00
9.62	2.00	0.00	5.19	0.02	0.00	9.64	2.00	0.00	5.18	0.02	0.00
9.66	2.00	0.00	5.17	0.02	0.00	9.68	2.00	0.00	5.16	0.02	0.00
9.70	2.00	0.00	5.15	0.02	0.00	9.72	2.00	0.00	5.14	0.02	0.00
9.74	2.00	0.00	5.13	0.02	0.00	9.76	2.00	0.00	5.12	0.02	0.00
9.78	2.00	0.00	5.11	0.02	0.00	9.80	2.00	0.00	5.10	0.02	0.00
9.82	2.00	0.00	5.09	0.02	0.00	9.84	2.00	0.00	5.08	0.02	0.00
9.86	2.00	0.00	5.07	0.02	0.00	9.88	2.00	0.00	5.06	0.02	0.00
9.90	2.00	0.00	5.05	0.02	0.00	9.92	2.00	0.00	5.04	0.02	0.00
9.94	2.00	0.00	5.03	0.02	0.00	9.96	2.00	0.00	5.02	0.02	0.00
9.98	2.00	0.00	5.01	0.02	0.00	10.00	2.00	0.00	5.00	0.02	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
10.02	2.00	0.00	4.99	0.02	0.00	10.04	2.00	0.00	4.98	0.02	0.00
10.06	2.00	0.00	4.97	0.02	0.00	10.08	2.00	0.00	4.96	0.02	0.00
10.10	2.00	0.00	4.95	0.02	0.00	10.12	2.00	0.00	4.94	0.02	0.00
10.14	2.00	0.00	4.93	0.02	0.00	10.16	2.00	0.00	4.92	0.02	0.00
10.18	2.00	0.00	4.91	0.02	0.00	10.20	2.00	0.00	4.90	0.02	0.00
10.22	2.00	0.00	4.89	0.02	0.00	10.24	2.00	0.00	4.88	0.02	0.00
10.26	2.00	0.00	4.87	0.02	0.00	10.28	2.00	0.00	4.86	0.02	0.00
10.30	2.00	0.00	4.85	0.02	0.00	10.32	2.00	0.00	4.84	0.02	0.00
10.34	2.00	0.00	4.83	0.02	0.00	10.36	2.00	0.00	4.82	0.02	0.00
10.38	2.00	0.00	4.81	0.02	0.00	10.40	2.00	0.00	4.80	0.02	0.00
10.42	2.00	0.00	4.79	0.02	0.00	10.44	2.00	0.00	4.78	0.02	0.00
10.46	2.00	0.00	4.77	0.02	0.00	10.48	2.00	0.00	4.76	0.02	0.00
10.50	2.00	0.00	4.75	0.02	0.00	10.52	2.00	0.00	4.74	0.02	0.00
10.54	2.00	0.00	4.73	0.02	0.00	10.56	2.00	0.00	4.72	0.02	0.00
10.58	2.00	0.00	4.71	0.02	0.00	10.60	2.00	0.00	4.70	0.02	0.00
10.62	2.00	0.00	4.69	0.02	0.00	10.64	2.00	0.00	4.68	0.02	0.00
10.66	2.00	0.00	4.67	0.02	0.00	10.68	2.00	0.00	4.66	0.02	0.00
10.70	2.00	0.00	4.65	0.02	0.00	10.72	2.00	0.00	4.64	0.02	0.00
10.74	2.00	0.00	4.63	0.02	0.00	10.76	2.00	0.00	4.62	0.02	0.00
10.78	2.00	0.00	4.61	0.02	0.00	10.80	2.00	0.00	4.60	0.02	0.00
10.82	2.00	0.00	4.59	0.02	0.00	10.84	2.00	0.00	4.58	0.02	0.00
10.86	2.00	0.00	4.57	0.02	0.00	10.88	2.00	0.00	4.56	0.02	0.00
10.90	2.00	0.00	4.55	0.02	0.00	10.92	2.00	0.00	4.54	0.02	0.00
10.94	2.00	0.00	4.53	0.02	0.00	10.96	2.00	0.00	4.52	0.02	0.00
10.98	2.00	0.00	4.51	0.02	0.00	11.00	2.00	0.00	4.50	0.02	0.00
11.02	2.00	0.00	4.49	0.02	0.00	11.04	2.00	0.00	4.48	0.02	0.00
11.06	2.00	0.00	4.47	0.02	0.00	11.08	2.00	0.00	4.46	0.02	0.00
11.10	2.00	0.00	4.45	0.02	0.00	11.12	2.00	0.00	4.44	0.02	0.00
11.14	2.00	0.00	4.43	0.02	0.00	11.16	2.00	0.00	4.42	0.02	0.00
11.18	2.00	0.00	4.41	0.02	0.00	11.20	2.00	0.00	4.40	0.02	0.00
11.22	2.00	0.00	4.39	0.02	0.00	11.24	2.00	0.00	4.38	0.02	0.00
11.26	2.00	0.00	4.37	0.02	0.00	11.28	2.00	0.00	4.36	0.02	0.00
11.30	2.00	0.00	4.35	0.02	0.00	11.32	2.00	0.00	4.34	0.02	0.00
11.34	2.00	0.00	4.33	0.02	0.00	11.36	2.00	0.00	4.32	0.02	0.00
11.38	2.00	0.00	4.31	0.02	0.00	11.40	2.00	0.00	4.30	0.02	0.00
11.42	2.00	0.00	4.29	0.02	0.00	11.44	2.00	0.00	4.28	0.02	0.00
11.46	2.00	0.00	4.27	0.02	0.00	11.48	2.00	0.00	4.26	0.02	0.00
11.50	2.00	0.00	4.25	0.02	0.00	11.52	2.00	0.00	4.24	0.02	0.00
11.54	2.00	0.00	4.23	0.02	0.00	11.56	2.00	0.00	4.22	0.02	0.00
11.58	2.00	0.00	4.21	0.02	0.00	11.60	2.00	0.00	4.20	0.02	0.00
11.62	2.00	0.00	4.19	0.02	0.00	11.64	2.00	0.00	4.18	0.02	0.00
11.66	2.00	0.00	4.17	0.02	0.00	11.68	2.00	0.00	4.16	0.02	0.00
11.70	2.00	0.00	4.15	0.02	0.00	11.72	2.00	0.00	4.14	0.02	0.00
11.74	2.00	0.00	4.13	0.02	0.00	11.76	2.00	0.00	4.12	0.02	0.00
11.78	2.00	0.00	4.11	0.02	0.00	11.80	2.00	0.00	4.10	0.02	0.00
11.82	2.00	0.00	4.09	0.02	0.00	11.84	2.00	0.00	4.08	0.02	0.00
11.76	2.00	0.00	4.12	0.08	0.00	11.78	2.00	0.00	4.11	0.02	0.00
11.80	2.00	0.00	4.10	0.02	0.00	11.82	2.00	0.00	4.09	0.02	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
11.84	2.00	0.00	4.08	0.02	0.00	11.86	2.00	0.00	4.07	0.02	0.00
11.88	2.00	0.00	4.06	0.02	0.00	11.90	2.00	0.00	4.05	0.02	0.00
11.92	2.00	0.00	4.04	0.02	0.00	11.94	2.00	0.00	4.03	0.02	0.00
11.96	2.00	0.00	4.02	0.02	0.00	11.98	2.00	0.00	4.01	0.02	0.00
12.00	2.00	0.00	4.00	0.02	0.00	12.02	2.00	0.00	3.99	0.02	0.00
12.04	2.00	0.00	3.98	0.02	0.00	12.06	2.00	0.00	3.97	0.02	0.00
12.08	2.00	0.00	3.96	0.02	0.00	12.10	2.00	0.00	3.95	0.02	0.00
12.12	2.00	0.00	3.94	0.02	0.00	12.14	2.00	0.00	3.93	0.02	0.00
12.16	2.00	0.00	3.92	0.02	0.00	12.18	2.00	0.00	3.91	0.02	0.00
12.20	2.00	0.00	3.90	0.02	0.00	12.22	2.00	0.00	3.89	0.02	0.00
12.24	2.00	0.00	3.88	0.02	0.00	12.26	2.00	0.00	3.87	0.02	0.00
12.28	2.00	0.00	3.86	0.02	0.00	12.30	2.00	0.00	3.85	0.02	0.00
12.32	2.00	0.00	3.84	0.02	0.00	12.34	2.00	0.00	3.83	0.02	0.00
12.36	2.00	0.00	3.82	0.02	0.00	12.38	2.00	0.00	3.81	0.02	0.00
12.40	2.00	0.00	3.80	0.02	0.00	12.42	2.00	0.00	3.79	0.02	0.00
12.44	2.00	0.00	3.78	0.02	0.00	12.46	2.00	0.00	3.77	0.02	0.00
12.48	2.00	0.00	3.76	0.02	0.00	12.50	2.00	0.00	3.75	0.02	0.00
12.52	2.00	0.00	3.74	0.02	0.00	12.54	2.00	0.00	3.73	0.02	0.00
12.56	2.00	0.00	3.72	0.02	0.00	12.58	2.00	0.00	3.71	0.02	0.00
12.60	2.00	0.00	3.70	0.02	0.00	12.62	2.00	0.00	3.69	0.02	0.00
12.64	2.00	0.00	3.68	0.02	0.00	12.66	2.00	0.00	3.67	0.02	0.00
12.68	2.00	0.00	3.66	0.02	0.00	12.70	2.00	0.00	3.65	0.02	0.00
12.72	2.00	0.00	3.64	0.02	0.00	12.74	2.00	0.00	3.63	0.02	0.00
12.76	2.00	0.00	3.62	0.02	0.00	12.78	2.00	0.00	3.61	0.02	0.00
12.80	2.00	0.00	3.60	0.02	0.00	12.82	2.00	0.00	3.59	0.02	0.00
12.84	2.00	0.00	3.58	0.02	0.00	12.86	2.00	0.00	3.57	0.02	0.00
12.88	2.00	0.00	3.56	0.02	0.00	12.90	2.00	0.00	3.55	0.02	0.00
12.92	2.00	0.00	3.54	0.02	0.00	12.94	2.00	0.00	3.53	0.02	0.00
12.96	2.00	0.00	3.52	0.02	0.00	12.98	2.00	0.00	3.51	0.02	0.00
13.00	2.00	0.00	3.50	0.02	0.00	13.02	2.00	0.00	3.49	0.02	0.00
13.04	2.00	0.00	3.48	0.02	0.00	13.06	2.00	0.00	3.47	0.02	0.00
13.08	2.00	0.00	3.46	0.02	0.00	13.10	2.00	0.00	3.45	0.02	0.00
13.12	2.00	0.00	3.44	0.02	0.00	13.14	2.00	0.00	3.43	0.02	0.00
13.16	2.00	0.00	3.42	0.02	0.00	13.18	2.00	0.00	3.41	0.02	0.00
13.20	2.00	0.00	3.40	0.02	0.00	13.22	0.75	0.25	3.39	0.02	0.02
13.24	0.79	0.21	3.38	0.02	0.01	13.26	0.83	0.17	3.37	0.02	0.01
13.28	0.85	0.15	3.36	0.02	0.01	13.30	0.85	0.15	3.35	0.02	0.01
13.32	0.85	0.15	3.34	0.02	0.01	13.34	0.85	0.15	3.33	0.02	0.01
13.36	2.00	0.00	3.32	0.02	0.00	13.38	2.00	0.00	3.31	0.02	0.00
13.40	2.00	0.00	3.30	0.02	0.00	13.42	2.00	0.00	3.29	0.02	0.00
13.44	2.00	0.00	3.28	0.02	0.00	13.46	2.00	0.00	3.27	0.02	0.00
13.48	2.00	0.00	3.26	0.02	0.00	13.50	2.00	0.00	3.25	0.02	0.00
13.52	2.00	0.00	3.24	0.02	0.00	13.54	2.00	0.00	3.23	0.02	0.00
13.56	2.00	0.00	3.22	0.02	0.00	13.58	2.00	0.00	3.21	0.02	0.00
13.60	2.00	0.00	3.20	0.02	0.00	13.62	2.00	0.00	3.19	0.02	0.00
13.64	2.00	0.00	3.18	0.02	0.00	13.66	2.00	0.00	3.17	0.02	0.00
13.68	2.00	0.00	3.16	0.02	0.00	13.70	2.00	0.00	3.15	0.02	0.00
13.72	2.00	0.00	3.14	0.02	0.00	13.74	2.00	0.00	3.13	0.02	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
13.76	2.00	0.00	3.12	0.02	0.00	13.78	2.00	0.00	3.11	0.02	0.00
13.80	2.00	0.00	3.10	0.02	0.00	13.82	2.00	0.00	3.09	0.02	0.00
13.84	2.00	0.00	3.08	0.02	0.00	13.86	2.00	0.00	3.07	0.02	0.00
13.88	2.00	0.00	3.06	0.02	0.00	13.90	2.00	0.00	3.05	0.02	0.00
13.92	2.00	0.00	3.04	0.02	0.00	13.94	2.00	0.00	3.03	0.02	0.00
13.96	2.00	0.00	3.02	0.02	0.00	13.98	2.00	0.00	3.01	0.02	0.00
14.00	2.00	0.00	3.00	0.02	0.00	14.02	2.00	0.00	2.99	0.02	0.00
14.04	2.00	0.00	2.98	0.02	0.00	14.06	2.00	0.00	2.97	0.02	0.00
14.08	2.00	0.00	2.96	0.02	0.00	14.10	2.00	0.00	2.95	0.02	0.00
14.12	2.00	0.00	2.94	0.02	0.00	14.14	2.00	0.00	2.93	0.02	0.00
14.16	2.00	0.00	2.92	0.02	0.00	14.18	2.00	0.00	2.91	0.02	0.00
14.20	2.00	0.00	2.90	0.02	0.00	14.22	2.00	0.00	2.89	0.02	0.00
14.24	0.77	0.23	2.88	0.02	0.01	14.26	0.85	0.15	2.87	0.02	0.01
14.28	0.86	0.14	2.86	0.02	0.01	14.30	0.81	0.19	2.85	0.02	0.01
14.32	2.00	0.00	2.84	0.02	0.00	14.34	2.00	0.00	2.83	0.02	0.00
14.36	2.00	0.00	2.82	0.02	0.00	14.38	2.00	0.00	2.81	0.02	0.00
14.40	2.00	0.00	2.80	0.02	0.00	14.42	2.00	0.00	2.79	0.02	0.00
14.44	2.00	0.00	2.78	0.02	0.00	14.46	2.00	0.00	2.77	0.02	0.00
14.48	2.00	0.00	2.76	0.02	0.00	14.50	2.00	0.00	2.75	0.02	0.00
14.52	2.00	0.00	2.74	0.02	0.00	14.54	2.00	0.00	2.73	0.02	0.00
14.56	2.00	0.00	2.72	0.02	0.00	14.58	2.00	0.00	2.71	0.02	0.00
14.60	2.00	0.00	2.70	0.02	0.00	14.62	2.00	0.00	2.69	0.02	0.00
14.64	2.00	0.00	2.68	0.02	0.00	14.66	2.00	0.00	2.67	0.02	0.00
14.68	2.00	0.00	2.66	0.02	0.00	14.70	2.00	0.00	2.65	0.02	0.00
14.72	2.00	0.00	2.64	0.02	0.00	14.74	2.00	0.00	2.63	0.02	0.00
14.76	2.00	0.00	2.62	0.02	0.00	14.78	2.00	0.00	2.61	0.02	0.00
14.80	2.00	0.00	2.60	0.02	0.00	14.82	2.00	0.00	2.59	0.02	0.00
14.84	2.00	0.00	2.58	0.02	0.00	14.86	2.00	0.00	2.57	0.02	0.00
14.88	2.00	0.00	2.56	0.02	0.00	14.90	2.00	0.00	2.55	0.02	0.00
14.92	2.00	0.00	2.54	0.02	0.00	14.94	2.00	0.00	2.53	0.02	0.00
14.96	2.00	0.00	2.52	0.02	0.00	14.98	2.00	0.00	2.51	0.02	0.00
15.00	2.00	0.00	2.50	0.02	0.00						

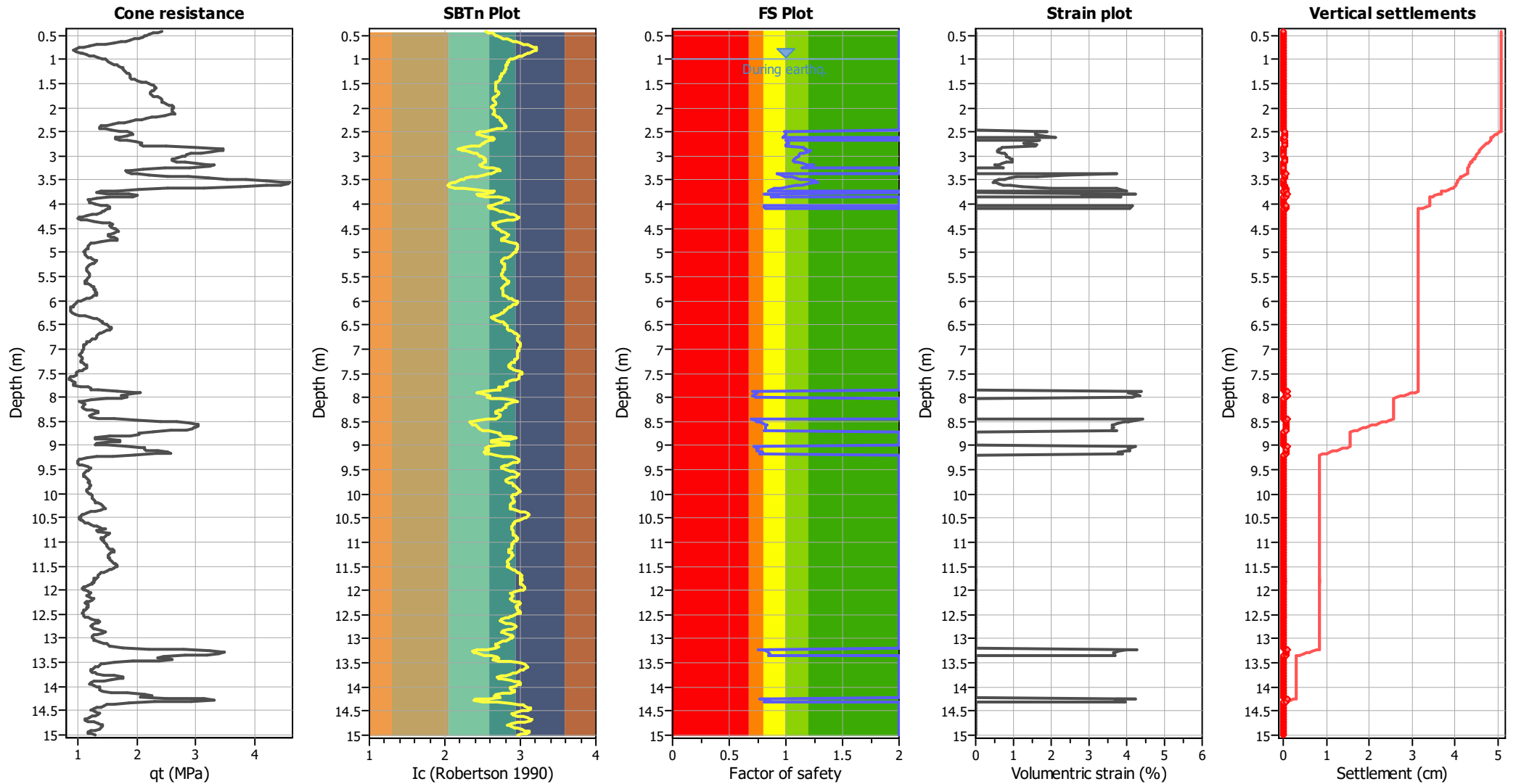
Overall liquefaction potential: 1.17

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

Abbreviations

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

Estimation of post-earthquake settlements



Abbreviations

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

:: Post-earthquake settlement due to soil liquefaction ::											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
1.00	24.96	2.00	0.00	1.00	0.00	1.02	25.13	2.00	0.00	1.00	0.00
1.04	25.13	2.00	0.00	1.00	0.00	1.06	25.31	2.00	0.00	1.00	0.00
1.08	26.21	2.00	0.00	1.00	0.00	1.10	26.95	2.00	0.00	1.00	0.00
1.12	27.67	2.00	0.00	1.00	0.00	1.14	28.38	2.00	0.00	1.00	0.00
1.16	29.11	2.00	0.00	1.00	0.00	1.18	29.47	2.00	0.00	1.00	0.00
1.20	29.47	2.00	0.00	1.00	0.00	1.22	29.66	2.00	0.00	1.00	0.00
1.24	30.38	2.00	0.00	1.00	0.00	1.26	30.04	2.00	0.00	1.00	0.00
1.28	30.57	2.00	0.00	1.00	0.00	1.30	31.48	2.00	0.00	1.00	0.00
1.32	31.30	2.00	0.00	1.00	0.00	1.34	31.33	2.00	0.00	1.00	0.00
1.36	31.53	2.00	0.00	1.00	0.00	1.38	31.35	2.00	0.00	1.00	0.00
1.40	32.26	2.00	0.00	1.00	0.00	1.42	32.63	2.00	0.00	1.00	0.00
1.44	33.36	2.00	0.00	1.00	0.00	1.46	35.33	2.00	0.00	1.00	0.00
1.48	35.72	2.00	0.00	1.00	0.00	1.50	37.50	2.00	0.00	1.00	0.00
1.52	37.70	2.00	0.00	1.00	0.00	1.54	38.07	2.00	0.00	1.00	0.00
1.56	38.98	2.00	0.00	1.00	0.00	1.58	39.01	2.00	0.00	1.00	0.00
1.60	38.48	2.00	0.00	1.00	0.00	1.62	38.67	2.00	0.00	1.00	0.00
1.64	38.69	2.00	0.00	1.00	0.00	1.66	37.62	2.00	0.00	1.00	0.00
1.68	37.45	2.00	0.00	1.00	0.00	1.70	36.74	2.00	0.00	1.00	0.00
1.72	37.29	2.00	0.00	1.00	0.00	1.74	37.50	2.00	0.00	1.00	0.00
1.76	38.22	2.00	0.00	1.00	0.00	1.78	39.13	2.00	0.00	1.00	0.00
1.80	41.11	2.00	0.00	1.00	0.00	1.82	40.15	2.00	0.00	1.00	0.00
1.84	40.72	2.00	0.00	1.00	0.00	1.86	41.13	2.00	0.00	1.00	0.00
1.88	39.95	2.00	0.00	1.00	0.00	1.90	40.58	2.00	0.00	1.00	0.00
1.92	41.04	2.00	0.00	1.00	0.00	1.94	41.80	2.00	0.00	1.00	0.00
1.96	42.56	2.00	0.00	1.00	0.00	1.98	42.69	2.00	0.00	1.00	0.00
2.00	42.19	2.00	0.00	1.00	0.00	2.02	41.32	2.00	0.00	1.00	0.00
2.04	42.14	2.00	0.00	1.00	0.00	2.06	41.74	2.00	0.00	1.00	0.00
2.08	40.88	2.00	0.00	1.00	0.00	2.10	41.86	2.00	0.00	1.00	0.00
2.12	42.25	2.00	0.00	1.00	0.00	2.14	41.39	2.00	0.00	1.00	0.00
2.16	38.82	2.00	0.00	1.00	0.00	2.18	37.35	2.00	0.00	1.00	0.00
2.20	35.43	2.00	0.00	1.00	0.00	2.22	34.73	2.00	0.00	1.00	0.00
2.24	32.93	2.00	0.00	1.00	0.00	2.26	31.76	2.00	0.00	1.00	0.00
2.28	30.44	2.00	0.00	1.00	0.00	2.30	28.17	2.00	0.00	1.00	0.00
2.32	27.15	2.00	0.00	1.00	0.00	2.34	25.99	2.00	0.00	1.00	0.00
2.36	23.70	2.00	0.00	1.00	0.00	2.38	22.35	2.00	0.00	1.00	0.00
2.40	21.70	2.00	0.00	1.00	0.00	2.42	22.01	2.00	0.00	1.00	0.00
2.44	22.81	2.00	0.00	1.00	0.00	2.46	25.23	2.00	0.00	1.00	0.00
2.48	84.61	0.99	1.90	1.00	0.04	2.50	86.07	1.00	1.63	1.00	0.03
2.52	86.59	1.00	1.58	1.00	0.03	2.54	86.49	1.00	1.63	1.00	0.03
2.56	86.92	1.00	1.59	1.00	0.03	2.58	86.16	0.99	1.77	1.00	0.04
2.60	85.03	0.98	2.12	1.00	0.04	2.62	25.17	2.00	0.00	1.00	0.00
2.64	25.13	2.00	0.00	1.00	0.00	2.66	25.89	2.00	0.00	1.00	0.00
2.68	87.48	0.99	1.69	1.00	0.03	2.70	89.50	1.01	1.41	1.00	0.03
2.72	90.53	1.02	1.31	1.00	0.03	2.74	90.88	1.02	1.29	1.00	0.03
2.76	88.65	1.00	1.60	1.00	0.03	2.78	88.88	1.00	1.59	1.00	0.03
2.80	89.50	1.00	1.52	1.00	0.03	2.82	101.84	1.15	0.70	1.00	0.01
2.84	102.90	1.16	0.67	1.00	0.01	2.86	104.27	1.18	0.63	1.00	0.01
2.88	104.52	1.18	0.63	1.00	0.01	2.90	106.63	1.21	0.57	1.00	0.01

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
2.92	106.17	1.21	0.59	1.00	0.01	2.94	102.51	1.15	0.70	1.00	0.01
2.96	100.84	1.12	0.77	1.00	0.02	2.98	100.35	1.12	0.80	1.00	0.02
3.00	100.66	1.12	0.79	1.00	0.02	3.02	100.65	1.12	0.80	1.00	0.02
3.04	98.44	1.09	0.90	1.00	0.02	3.06	98.27	1.08	0.92	1.00	0.02
3.08	97.59	1.07	0.96	1.00	0.02	3.10	97.50	1.07	0.98	1.00	0.02
3.12	98.13	1.08	0.95	1.00	0.02	3.14	100.69	1.11	0.82	1.00	0.02
3.16	104.21	1.16	0.69	1.00	0.01	3.18	106.28	1.19	0.63	1.00	0.01
3.20	110.27	1.25	0.52	1.00	0.01	3.22	108.79	1.22	0.56	1.00	0.01
3.24	103.38	1.14	0.74	1.00	0.01	3.26	34.52	2.00	0.00	1.00	0.00
3.28	29.64	2.00	0.00	1.00	0.00	3.30	26.37	2.00	0.00	1.00	0.00
3.32	25.30	2.00	0.00	1.00	0.00	3.34	26.31	2.00	0.00	1.00	0.00
3.36	27.02	2.00	0.00	1.00	0.00	3.38	86.45	0.93	3.72	1.00	0.07
3.40	89.50	0.96	2.41	1.00	0.05	3.42	92.73	0.99	1.62	1.00	0.03
3.44	97.65	1.05	1.08	1.00	0.02	3.46	100.77	1.09	0.90	1.00	0.02
3.48	103.81	1.13	0.77	1.00	0.02	3.50	107.81	1.19	0.63	1.00	0.01
3.52	112.18	1.26	0.51	1.00	0.01	3.54	113.62	1.29	0.47	1.00	0.01
3.56	111.67	1.25	0.52	1.00	0.01	3.58	108.38	1.19	0.62	1.00	0.01
3.60	104.96	1.14	0.74	1.00	0.01	3.62	101.45	1.09	0.91	1.00	0.02
3.64	96.91	1.03	1.24	1.00	0.02	3.66	92.08	0.97	2.01	1.00	0.04
3.68	85.89	0.90	3.74	1.00	0.07	3.70	83.25	0.88	3.86	1.00	0.08
3.72	80.08	0.85	4.01	1.00	0.08	3.74	18.49	2.00	0.00	1.00	0.00
3.76	17.44	2.00	0.00	1.00	0.00	3.78	75.48	0.81	4.24	1.00	0.08
3.80	79.54	0.84	4.03	1.00	0.08	3.82	90.70	0.94	2.81	1.00	0.06
3.84	83.41	0.87	3.85	1.00	0.08	3.86	20.88	2.00	0.00	1.00	0.00
3.88	17.49	2.00	0.00	1.00	0.00	3.90	16.14	2.00	0.00	1.00	0.00
3.92	16.14	2.00	0.00	1.00	0.00	3.94	16.56	2.00	0.00	1.00	0.00
3.96	16.69	2.00	0.00	1.00	0.00	3.98	16.53	2.00	0.00	1.00	0.00
4.00	17.53	2.00	0.00	1.00	0.00	4.02	19.41	2.00	0.00	1.00	0.00
4.04	77.22	0.81	4.15	1.00	0.08	4.06	77.77	0.81	4.12	1.00	0.08
4.08	78.27	0.81	4.09	1.00	0.08	4.10	20.72	2.00	0.00	1.00	0.00
4.12	19.98	2.00	0.00	1.00	0.00	4.14	19.65	2.00	0.00	1.00	0.00
4.16	19.61	2.00	0.00	1.00	0.00	4.18	18.88	2.00	0.00	1.00	0.00
4.20	17.84	2.00	0.00	1.00	0.00	4.22	16.67	2.00	0.00	1.00	0.00
4.24	15.64	2.00	0.00	1.00	0.00	4.26	14.20	2.00	0.00	1.00	0.00
4.28	13.46	2.00	0.00	1.00	0.00	4.30	13.29	2.00	0.00	1.00	0.00
4.32	13.86	2.00	0.00	1.00	0.00	4.34	15.42	2.00	0.00	1.00	0.00
4.36	17.12	2.00	0.00	1.00	0.00	4.38	18.81	2.00	0.00	1.00	0.00
4.40	20.89	2.00	0.00	1.00	0.00	4.42	21.56	2.00	0.00	1.00	0.00
4.44	20.83	2.00	0.00	1.00	0.00	4.46	20.37	2.00	0.00	1.00	0.00
4.48	20.37	2.00	0.00	1.00	0.00	4.50	21.72	2.00	0.00	1.00	0.00
4.52	21.82	2.00	0.00	1.00	0.00	4.54	21.79	2.00	0.00	1.00	0.00
4.56	22.30	2.00	0.00	1.00	0.00	4.58	22.26	2.00	0.00	1.00	0.00
4.60	21.26	2.00	0.00	1.00	0.00	4.62	19.71	2.00	0.00	1.00	0.00
4.64	19.83	2.00	0.00	1.00	0.00	4.66	20.08	2.00	0.00	1.00	0.00
4.68	20.05	2.00	0.00	1.00	0.00	4.70	20.85	2.00	0.00	1.00	0.00
4.72	21.91	2.00	0.00	1.00	0.00	4.74	22.29	2.00	0.00	1.00	0.00
4.76	20.21	2.00	0.00	1.00	0.00	4.78	17.17	2.00	0.00	1.00	0.00
4.80	16.85	2.00	0.00	1.00	0.00	4.82	15.73	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.84	15.29	2.00	0.00	1.00	0.00	4.86	15.40	2.00	0.00	1.00	0.00
4.88	15.11	2.00	0.00	1.00	0.00	4.90	15.22	2.00	0.00	1.00	0.00
4.92	14.93	2.00	0.00	1.00	0.00	4.94	14.77	2.00	0.00	1.00	0.00
4.96	14.07	2.00	0.00	1.00	0.00	4.98	14.19	2.00	0.00	1.00	0.00
5.00	14.31	2.00	0.00	1.00	0.00	5.02	14.43	2.00	0.00	1.00	0.00
5.04	14.68	2.00	0.00	1.00	0.00	5.06	14.26	2.00	0.00	1.00	0.00
5.08	14.36	2.00	0.00	1.00	0.00	5.10	15.16	2.00	0.00	1.00	0.00
5.12	15.43	2.00	0.00	1.00	0.00	5.14	15.80	2.00	0.00	1.00	0.00
5.16	16.34	2.00	0.00	1.00	0.00	5.18	16.86	2.00	0.00	1.00	0.00
5.20	16.57	2.00	0.00	1.00	0.00	5.22	16.01	2.00	0.00	1.00	0.00
5.24	15.45	2.00	0.00	1.00	0.00	5.26	15.30	2.00	0.00	1.00	0.00
5.28	14.62	2.00	0.00	1.00	0.00	5.30	14.60	2.00	0.00	1.00	0.00
5.32	14.58	2.00	0.00	1.00	0.00	5.34	14.43	2.00	0.00	1.00	0.00
5.36	14.56	2.00	0.00	1.00	0.00	5.38	14.54	2.00	0.00	1.00	0.00
5.40	14.41	2.00	0.00	1.00	0.00	5.42	14.65	2.00	0.00	1.00	0.00
5.44	14.90	2.00	0.00	1.00	0.00	5.46	14.78	2.00	0.00	1.00	0.00
5.48	14.89	2.00	0.00	1.00	0.00	5.50	14.87	2.00	0.00	1.00	0.00
5.52	14.73	2.00	0.00	1.00	0.00	5.54	14.45	2.00	0.00	1.00	0.00
5.56	14.30	2.00	0.00	1.00	0.00	5.58	14.03	2.00	0.00	1.00	0.00
5.60	13.88	2.00	0.00	1.00	0.00	5.62	13.59	2.00	0.00	1.00	0.00
5.64	13.72	2.00	0.00	1.00	0.00	5.66	14.50	2.00	0.00	1.00	0.00
5.68	14.75	2.00	0.00	1.00	0.00	5.70	15.38	2.00	0.00	1.00	0.00
5.72	15.65	2.00	0.00	1.00	0.00	5.74	15.24	2.00	0.00	1.00	0.00
5.76	15.61	2.00	0.00	1.00	0.00	5.78	15.74	2.00	0.00	1.00	0.00
5.80	15.92	2.00	0.00	1.00	0.00	5.82	15.90	2.00	0.00	1.00	0.00
5.84	15.89	2.00	0.00	1.00	0.00	5.86	16.13	2.00	0.00	1.00	0.00
5.88	15.85	2.00	0.00	1.00	0.00	5.90	15.70	2.00	0.00	1.00	0.00
5.92	15.04	2.00	0.00	1.00	0.00	5.94	14.50	2.00	0.00	1.00	0.00
5.96	13.83	2.00	0.00	1.00	0.00	5.98	13.43	2.00	0.00	1.00	0.00
6.00	12.76	2.00	0.00	1.00	0.00	6.02	11.97	2.00	0.00	1.00	0.00
6.04	11.31	2.00	0.00	1.00	0.00	6.06	11.43	2.00	0.00	1.00	0.00
6.08	11.29	2.00	0.00	1.00	0.00	6.10	11.15	2.00	0.00	1.00	0.00
6.12	10.88	2.00	0.00	1.00	0.00	6.14	10.61	2.00	0.00	1.00	0.00
6.16	10.22	2.00	0.00	1.00	0.00	6.18	10.47	2.00	0.00	1.00	0.00
6.20	10.46	2.00	0.00	1.00	0.00	6.22	10.45	2.00	0.00	1.00	0.00
6.24	10.57	2.00	0.00	1.00	0.00	6.26	10.56	2.00	0.00	1.00	0.00
6.28	11.20	2.00	0.00	1.00	0.00	6.30	12.10	2.00	0.00	1.00	0.00
6.32	13.37	2.00	0.00	1.00	0.00	6.34	14.25	2.00	0.00	1.00	0.00
6.36	15.25	2.00	0.00	1.00	0.00	6.38	15.61	2.00	0.00	1.00	0.00
6.40	16.36	2.00	0.00	1.00	0.00	6.42	16.59	2.00	0.00	1.00	0.00
6.44	16.31	2.00	0.00	1.00	0.00	6.46	16.80	2.00	0.00	1.00	0.00
6.48	17.28	2.00	0.00	1.00	0.00	6.50	17.63	2.00	0.00	1.00	0.00
6.52	17.98	2.00	0.00	1.00	0.00	6.54	17.96	2.00	0.00	1.00	0.00
6.56	18.31	2.00	0.00	1.00	0.00	6.58	18.16	2.00	0.00	1.00	0.00
6.60	18.14	2.00	0.00	1.00	0.00	6.62	17.62	2.00	0.00	1.00	0.00
6.64	16.61	2.00	0.00	1.00	0.00	6.66	16.33	2.00	0.00	1.00	0.00
6.68	15.94	2.00	0.00	1.00	0.00	6.70	15.29	2.00	0.00	1.00	0.00
6.72	15.40	2.00	0.00	1.00	0.00	6.74	15.38	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.76	15.09	2.00	0.00	1.00	0.00	6.78	14.82	2.00	0.00	1.00	0.00
6.80	14.44	2.00	0.00	1.00	0.00	6.82	13.93	2.00	0.00	1.00	0.00
6.84	13.66	2.00	0.00	1.00	0.00	6.86	13.16	2.00	0.00	1.00	0.00
6.88	12.89	2.00	0.00	1.00	0.00	6.90	12.88	2.00	0.00	1.00	0.00
6.92	12.50	2.00	0.00	1.00	0.00	6.94	12.48	2.00	0.00	1.00	0.00
6.96	12.47	2.00	0.00	1.00	0.00	6.98	12.70	2.00	0.00	1.00	0.00
7.00	12.32	2.00	0.00	1.00	0.00	7.02	12.18	2.00	0.00	1.00	0.00
7.04	12.28	2.00	0.00	1.00	0.00	7.06	12.14	2.00	0.00	1.00	0.00
7.08	12.01	2.00	0.00	1.00	0.00	7.10	11.51	2.00	0.00	1.00	0.00
7.12	11.62	2.00	0.00	1.00	0.00	7.14	11.85	2.00	0.00	1.00	0.00
7.16	11.84	2.00	0.00	1.00	0.00	7.18	11.82	2.00	0.00	1.00	0.00
7.20	12.06	2.00	0.00	1.00	0.00	7.22	11.92	2.00	0.00	1.00	0.00
7.24	11.79	2.00	0.00	1.00	0.00	7.26	11.54	2.00	0.00	1.00	0.00
7.28	12.01	2.00	0.00	1.00	0.00	7.30	12.48	2.00	0.00	1.00	0.00
7.32	12.59	2.00	0.00	1.00	0.00	7.34	12.82	2.00	0.00	1.00	0.00
7.36	12.70	2.00	0.00	1.00	0.00	7.38	13.17	2.00	0.00	1.00	0.00
7.40	12.79	2.00	0.00	1.00	0.00	7.42	12.18	2.00	0.00	1.00	0.00
7.44	11.92	2.00	0.00	1.00	0.00	7.46	11.31	2.00	0.00	1.00	0.00
7.48	10.69	2.00	0.00	1.00	0.00	7.50	10.56	2.00	0.00	1.00	0.00
7.52	11.05	2.00	0.00	1.00	0.00	7.54	10.68	2.00	0.00	1.00	0.00
7.56	10.31	2.00	0.00	1.00	0.00	7.58	9.47	2.00	0.00	1.00	0.00
7.60	9.22	2.00	0.00	1.00	0.00	7.62	9.21	2.00	0.00	1.00	0.00
7.64	9.44	2.00	0.00	1.00	0.00	7.66	9.92	2.00	0.00	1.00	0.00
7.68	10.39	2.00	0.00	1.00	0.00	7.70	10.50	2.00	0.00	1.00	0.00
7.72	10.37	2.00	0.00	1.00	0.00	7.74	10.01	2.00	0.00	1.00	0.00
7.76	9.89	2.00	0.00	1.00	0.00	7.78	10.48	2.00	0.00	1.00	0.00
7.80	13.86	2.00	0.00	1.00	0.00	7.82	13.61	2.00	0.00	1.00	0.00
7.84	12.65	2.00	0.00	1.00	0.00	7.86	13.36	2.00	0.00	1.00	0.00
7.88	72.55	0.70	4.40	1.00	0.09	7.90	77.91	0.74	4.11	1.00	0.08
7.92	79.17	0.75	4.05	1.00	0.08	7.94	75.91	0.73	4.22	1.00	0.08
7.96	73.47	0.71	4.35	1.00	0.09	7.98	74.75	0.72	4.28	1.00	0.09
8.00	77.21	0.74	4.15	1.00	0.08	8.02	19.91	2.00	0.00	1.00	0.00
8.04	15.80	2.00	0.00	1.00	0.00	8.06	12.51	2.00	0.00	1.00	0.00
8.08	10.86	2.00	0.00	1.00	0.00	8.10	10.97	2.00	0.00	1.00	0.00
8.12	11.42	2.00	0.00	1.00	0.00	8.14	12.11	2.00	0.00	1.00	0.00
8.16	12.22	2.00	0.00	1.00	0.00	8.18	11.86	2.00	0.00	1.00	0.00
8.20	11.38	2.00	0.00	1.00	0.00	8.22	11.02	2.00	0.00	1.00	0.00
8.24	11.60	2.00	0.00	1.00	0.00	8.26	12.17	2.00	0.00	1.00	0.00
8.28	13.32	2.00	0.00	1.00	0.00	8.30	14.22	2.00	0.00	1.00	0.00
8.32	15.14	2.00	0.00	1.00	0.00	8.34	13.85	2.00	0.00	1.00	0.00
8.36	12.91	2.00	0.00	1.00	0.00	8.38	12.56	2.00	0.00	1.00	0.00
8.40	12.66	2.00	0.00	1.00	0.00	8.42	12.88	2.00	0.00	1.00	0.00
8.44	13.45	2.00	0.00	1.00	0.00	8.46	71.82	0.70	4.44	1.00	0.09
8.48	75.88	0.72	4.22	1.00	0.08	8.50	79.25	0.75	4.05	1.00	0.08
8.52	82.17	0.77	3.91	1.00	0.08	8.54	85.16	0.79	3.77	1.00	0.08
8.56	87.76	0.81	3.66	1.00	0.07	8.58	89.30	0.83	3.60	1.00	0.07
8.60	88.69	0.82	3.63	1.00	0.07	8.62	88.44	0.82	3.64	1.00	0.07
8.64	88.84	0.82	3.62	1.00	0.07	8.66	88.79	0.82	3.62	1.00	0.07

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.68	88.76	0.82	3.62	1.00	0.07	8.70	86.16	0.80	3.73	1.00	0.07
8.72	23.10	2.00	0.00	1.00	0.00	8.74	21.27	2.00	0.00	1.00	0.00
8.76	19.31	2.00	0.00	1.00	0.00	8.78	23.88	2.00	0.00	1.00	0.00
8.80	20.38	2.00	0.00	1.00	0.00	8.82	15.17	2.00	0.00	1.00	0.00
8.84	12.56	2.00	0.00	1.00	0.00	8.86	12.21	2.00	0.00	1.00	0.00
8.88	15.36	2.00	0.00	1.00	0.00	8.90	18.84	2.00	0.00	1.00	0.00
8.92	19.26	2.00	0.00	1.00	0.00	8.94	15.66	2.00	0.00	1.00	0.00
8.96	12.95	2.00	0.00	1.00	0.00	8.98	12.14	2.00	0.00	1.00	0.00
9.00	14.94	2.00	0.00	1.00	0.00	9.02	75.50	0.72	4.24	1.00	0.08
9.04	78.62	0.75	4.08	1.00	0.08	9.06	79.44	0.75	4.04	1.00	0.08
9.08	78.30	0.74	4.09	1.00	0.08	9.10	78.53	0.74	4.08	1.00	0.08
9.12	80.50	0.76	3.99	1.00	0.08	9.14	85.02	0.79	3.78	1.00	0.08
9.16	85.06	0.79	3.78	1.00	0.08	9.18	82.31	0.77	3.90	1.00	0.08
9.20	19.79	2.00	0.00	1.00	0.00	9.22	16.11	2.00	0.00	1.00	0.00
9.24	12.99	2.00	0.00	1.00	0.00	9.26	10.87	2.00	0.00	1.00	0.00
9.28	10.73	2.00	0.00	1.00	0.00	9.30	10.28	2.00	0.00	1.00	0.00
9.32	9.83	2.00	0.00	1.00	0.00	9.34	10.15	2.00	0.00	1.00	0.00
9.36	9.81	2.00	0.00	1.00	0.00	9.38	10.14	2.00	0.00	1.00	0.00
9.40	10.24	2.00	0.00	1.00	0.00	9.42	10.79	2.00	0.00	1.00	0.00
9.44	11.66	2.00	0.00	1.00	0.00	9.46	12.54	2.00	0.00	1.00	0.00
9.48	12.20	2.00	0.00	1.00	0.00	9.50	12.08	2.00	0.00	1.00	0.00
9.52	11.85	2.00	0.00	1.00	0.00	9.54	11.39	2.00	0.00	1.00	0.00
9.56	11.27	2.00	0.00	1.00	0.00	9.58	10.94	2.00	0.00	1.00	0.00
9.60	10.82	2.00	0.00	1.00	0.00	9.62	10.81	2.00	0.00	1.00	0.00
9.64	10.91	2.00	0.00	1.00	0.00	9.66	11.23	2.00	0.00	1.00	0.00
9.68	11.56	2.00	0.00	1.00	0.00	9.70	11.55	2.00	0.00	1.00	0.00
9.72	11.53	2.00	0.00	1.00	0.00	9.74	11.86	2.00	0.00	1.00	0.00
9.76	12.07	2.00	0.00	1.00	0.00	9.78	11.24	2.00	0.00	1.00	0.00
9.80	12.10	2.00	0.00	1.00	0.00	9.82	12.19	2.00	0.00	1.00	0.00
9.84	11.97	2.00	0.00	1.00	0.00	9.86	11.85	2.00	0.00	1.00	0.00
9.88	11.95	2.00	0.00	1.00	0.00	9.90	11.72	2.00	0.00	1.00	0.00
9.92	11.49	2.00	0.00	1.00	0.00	9.94	10.94	2.00	0.00	1.00	0.00
9.96	11.15	2.00	0.00	1.00	0.00	9.98	11.36	2.00	0.00	1.00	0.00
10.00	11.67	2.00	0.00	1.00	0.00	10.02	11.86	2.00	0.00	1.00	0.00
10.04	12.28	2.00	0.00	1.00	0.00	10.06	12.38	2.00	0.00	1.00	0.00
10.08	12.26	2.00	0.00	1.00	0.00	10.10	12.25	2.00	0.00	1.00	0.00
10.12	12.35	2.00	0.00	1.00	0.00	10.14	12.44	2.00	0.00	1.00	0.00
10.16	12.43	2.00	0.00	1.00	0.00	10.18	12.73	2.00	0.00	1.00	0.00
10.20	13.04	2.00	0.00	1.00	0.00	10.22	13.57	2.00	0.00	1.00	0.00
10.24	13.88	2.00	0.00	1.00	0.00	10.26	13.87	2.00	0.00	1.00	0.00
10.28	13.96	2.00	0.00	1.00	0.00	10.30	14.59	2.00	0.00	1.00	0.00
10.32	14.15	2.00	0.00	1.00	0.00	10.34	13.61	2.00	0.00	1.00	0.00
10.36	12.64	2.00	0.00	1.00	0.00	10.38	11.56	2.00	0.00	1.00	0.00
10.40	10.90	2.00	0.00	1.00	0.00	10.42	10.47	2.00	0.00	1.00	0.00
10.44	10.35	2.00	0.00	1.00	0.00	10.46	10.03	2.00	0.00	1.00	0.00
10.48	9.91	2.00	0.00	1.00	0.00	10.50	9.80	2.00	0.00	1.00	0.00
10.52	9.90	2.00	0.00	1.00	0.00	10.54	9.88	2.00	0.00	1.00	0.00
10.56	10.29	2.00	0.00	1.00	0.00	10.58	10.50	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.60	10.81	2.00	0.00	1.00	0.00	10.62	11.01	2.00	0.00	1.00	0.00
10.64	11.63	2.00	0.00	1.00	0.00	10.66	12.05	2.00	0.00	1.00	0.00
10.68	12.67	2.00	0.00	1.00	0.00	10.70	12.87	2.00	0.00	1.00	0.00
10.72	13.70	2.00	0.00	1.00	0.00	10.74	14.00	2.00	0.00	1.00	0.00
10.76	14.30	2.00	0.00	1.00	0.00	10.78	9.08	2.00	0.00	1.00	0.00
10.80	14.94	2.00	0.00	1.00	0.00	10.82	14.84	2.00	0.00	1.00	0.00
10.84	14.51	2.00	0.00	1.00	0.00	10.86	14.27	2.00	0.00	1.00	0.00
10.88	13.95	2.00	0.00	1.00	0.00	10.90	13.64	2.00	0.00	1.00	0.00
10.92	13.30	2.00	0.00	1.00	0.00	10.94	12.98	2.00	0.00	1.00	0.00
10.96	13.31	2.00	0.00	1.00	0.00	10.98	13.60	2.00	0.00	1.00	0.00
11.00	13.60	2.00	0.00	1.00	0.00	11.02	13.79	2.00	0.00	1.00	0.00
11.04	13.89	2.00	0.00	1.00	0.00	11.06	14.08	2.00	0.00	1.00	0.00
11.08	14.06	2.00	0.00	1.00	0.00	11.10	13.84	2.00	0.00	1.00	0.00
11.12	14.14	2.00	0.00	1.00	0.00	11.14	14.44	2.00	0.00	1.00	0.00
11.16	14.94	2.00	0.00	1.00	0.00	11.18	15.35	2.00	0.00	1.00	0.00
11.20	15.33	2.00	0.00	1.00	0.00	11.22	14.70	2.00	0.00	1.00	0.00
11.24	14.28	2.00	0.00	1.00	0.00	11.26	14.35	2.00	0.00	1.00	0.00
11.28	14.13	2.00	0.00	1.00	0.00	11.30	14.12	2.00	0.00	1.00	0.00
11.32	14.11	2.00	0.00	1.00	0.00	11.34	14.30	2.00	0.00	1.00	0.00
11.36	14.50	2.00	0.00	1.00	0.00	11.38	14.48	2.00	0.00	1.00	0.00
11.40	14.57	2.00	0.00	1.00	0.00	11.42	14.76	2.00	0.00	1.00	0.00
11.44	14.96	2.00	0.00	1.00	0.00	11.46	15.15	2.00	0.00	1.00	0.00
11.48	15.54	2.00	0.00	1.00	0.00	11.50	15.63	2.00	0.00	1.00	0.00
11.52	15.32	2.00	0.00	1.00	0.00	11.54	14.90	2.00	0.00	1.00	0.00
11.56	14.58	2.00	0.00	1.00	0.00	11.58	14.15	2.00	0.00	1.00	0.00
11.60	14.04	2.00	0.00	1.00	0.00	11.62	13.32	2.00	0.00	1.00	0.00
11.64	12.70	2.00	0.00	1.00	0.00	11.66	12.38	2.00	0.00	1.00	0.00
11.68	12.17	2.00	0.00	1.00	0.00	11.70	12.16	2.00	0.00	1.00	0.00
11.72	12.34	2.00	0.00	1.00	0.00	11.74	11.93	2.00	0.00	1.00	0.00
11.76	11.67	2.00	0.00	1.00	0.00	11.78	11.66	2.00	0.00	1.00	0.00
11.80	11.55	2.00	0.00	1.00	0.00	11.82	11.44	2.00	0.00	1.00	0.00
11.84	11.44	2.00	0.00	1.00	0.00	11.76	11.67	2.00	0.00	1.00	0.00
11.78	11.66	2.00	0.00	1.00	0.00	11.80	11.55	2.00	0.00	1.00	0.00
11.82	11.44	2.00	0.00	1.00	0.00	11.84	11.44	2.00	0.00	1.00	0.00
11.86	11.13	2.00	0.00	1.00	0.00	11.88	11.14	2.00	0.00	1.00	0.00
11.90	10.42	2.00	0.00	1.00	0.00	11.92	9.91	2.00	0.00	1.00	0.00
11.94	9.73	2.00	0.00	1.00	0.00	11.96	9.50	2.00	0.00	1.00	0.00
11.98	9.49	2.00	0.00	1.00	0.00	12.00	9.99	2.00	0.00	1.00	0.00
12.02	10.38	2.00	0.00	1.00	0.00	12.04	10.77	2.00	0.00	1.00	0.00
12.06	11.06	2.00	0.00	1.00	0.00	12.08	10.46	2.00	0.00	1.00	0.00
12.10	10.05	2.00	0.00	1.00	0.00	12.12	10.05	2.00	0.00	1.00	0.00
12.14	10.44	2.00	0.00	1.00	0.00	12.16	11.03	2.00	0.00	1.00	0.00
12.18	11.42	2.00	0.00	1.00	0.00	12.20	11.31	2.00	0.00	1.00	0.00
12.22	10.71	2.00	0.00	1.00	0.00	12.24	9.81	2.00	0.00	1.00	0.00
12.26	9.80	2.00	0.00	1.00	0.00	12.28	9.99	2.00	0.00	1.00	0.00
12.30	10.38	2.00	0.00	1.00	0.00	12.32	10.47	2.00	0.00	1.00	0.00
12.34	10.37	2.00	0.00	1.00	0.00	12.36	10.26	2.00	0.00	1.00	0.00
12.38	9.86	2.00	0.00	1.00	0.00	12.40	9.85	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.42	9.65	2.00	0.00	1.00	0.00	12.44	9.54	2.00	0.00	1.00	0.00
12.46	9.24	2.00	0.00	1.00	0.00	12.48	9.24	2.00	0.00	1.00	0.00
12.50	9.62	2.00	0.00	1.00	0.00	12.52	9.71	2.00	0.00	1.00	0.00
12.54	9.61	2.00	0.00	1.00	0.00	12.56	9.50	2.00	0.00	1.00	0.00
12.58	10.09	2.00	0.00	1.00	0.00	12.60	10.76	2.00	0.00	1.00	0.00
12.62	11.45	2.00	0.00	1.00	0.00	12.64	11.93	2.00	0.00	1.00	0.00
12.66	12.03	2.00	0.00	1.00	0.00	12.68	11.92	2.00	0.00	1.00	0.00
12.70	11.43	2.00	0.00	1.00	0.00	12.72	10.73	2.00	0.00	1.00	0.00
12.74	10.53	2.00	0.00	1.00	0.00	12.76	10.82	2.00	0.00	1.00	0.00
12.78	10.81	2.00	0.00	1.00	0.00	12.80	10.90	2.00	0.00	1.00	0.00
12.82	11.28	2.00	0.00	1.00	0.00	12.84	11.76	2.00	0.00	1.00	0.00
12.86	13.53	2.00	0.00	1.00	0.00	12.88	12.93	2.00	0.00	1.00	0.00
12.90	12.15	2.00	0.00	1.00	0.00	12.92	11.56	2.00	0.00	1.00	0.00
12.94	10.77	2.00	0.00	1.00	0.00	12.96	10.68	2.00	0.00	1.00	0.00
12.98	10.47	2.00	0.00	1.00	0.00	13.00	10.76	2.00	0.00	1.00	0.00
13.02	11.04	2.00	0.00	1.00	0.00	13.04	10.83	2.00	0.00	1.00	0.00
13.06	11.03	2.00	0.00	1.00	0.00	13.08	11.79	2.00	0.00	1.00	0.00
13.10	12.65	2.00	0.00	1.00	0.00	13.12	12.84	2.00	0.00	1.00	0.00
13.14	13.31	2.00	0.00	1.00	0.00	13.16	13.41	2.00	0.00	1.00	0.00
13.18	13.10	2.00	0.00	1.00	0.00	13.20	13.96	2.00	0.00	1.00	0.00
13.22	74.80	0.75	4.27	1.00	0.09	13.24	80.29	0.79	3.99	1.00	0.08
13.26	85.03	0.83	3.78	1.00	0.08	13.28	87.08	0.85	3.69	1.00	0.07
13.30	87.78	0.85	3.66	1.00	0.07	13.32	88.00	0.85	3.65	1.00	0.07
13.34	87.43	0.85	3.68	1.00	0.07	13.36	25.70	2.00	0.00	1.00	0.00
13.38	20.83	2.00	0.00	1.00	0.00	13.40	19.07	2.00	0.00	1.00	0.00
13.42	23.12	2.00	0.00	1.00	0.00	13.44	24.95	2.00	0.00	1.00	0.00
13.46	21.45	2.00	0.00	1.00	0.00	13.48	16.79	2.00	0.00	1.00	0.00
13.50	13.04	2.00	0.00	1.00	0.00	13.52	12.45	2.00	0.00	1.00	0.00
13.54	12.15	2.00	0.00	1.00	0.00	13.56	11.85	2.00	0.00	1.00	0.00
13.58	11.46	2.00	0.00	1.00	0.00	13.60	11.44	2.00	0.00	1.00	0.00
13.62	10.96	2.00	0.00	1.00	0.00	13.64	10.75	2.00	0.00	1.00	0.00
13.66	10.37	2.00	0.00	1.00	0.00	13.68	10.55	2.00	0.00	1.00	0.00
13.70	10.91	2.00	0.00	1.00	0.00	13.72	10.99	2.00	0.00	1.00	0.00
13.74	11.27	2.00	0.00	1.00	0.00	13.76	12.01	2.00	0.00	1.00	0.00
13.78	13.90	2.00	0.00	1.00	0.00	13.80	15.69	2.00	0.00	1.00	0.00
13.82	16.25	2.00	0.00	1.00	0.00	13.84	14.06	2.00	0.00	1.00	0.00
13.86	14.47	2.00	0.00	1.00	0.00	13.88	11.90	2.00	0.00	1.00	0.00
13.90	10.77	2.00	0.00	1.00	0.00	13.92	10.20	2.00	0.00	1.00	0.00
13.94	10.09	2.00	0.00	1.00	0.00	13.96	10.37	2.00	0.00	1.00	0.00
13.98	10.93	2.00	0.00	1.00	0.00	14.00	11.39	2.00	0.00	1.00	0.00
14.02	11.67	2.00	0.00	1.00	0.00	14.04	11.75	2.00	0.00	1.00	0.00
14.06	11.75	2.00	0.00	1.00	0.00	14.08	11.46	2.00	0.00	1.00	0.00
14.10	11.92	2.00	0.00	1.00	0.00	14.12	12.85	2.00	0.00	1.00	0.00
14.14	15.47	2.00	0.00	1.00	0.00	14.16	18.95	2.00	0.00	1.00	0.00
14.18	20.73	2.00	0.00	1.00	0.00	14.20	18.36	2.00	0.00	1.00	0.00
14.22	14.96	2.00	0.00	1.00	0.00	14.24	75.70	0.77	4.23	1.00	0.08
14.26	86.00	0.85	3.74	1.00	0.07	14.28	87.35	0.86	3.68	1.00	0.07
14.30	80.79	0.81	3.97	1.00	0.08	14.32	19.42	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.34	15.28	2.00	0.00	1.00	0.00	14.36	12.84	2.00	0.00	1.00	0.00
14.38	12.65	2.00	0.00	1.00	0.00	14.40	12.27	2.00	0.00	1.00	0.00
14.42	11.61	2.00	0.00	1.00	0.00	14.44	11.04	2.00	0.00	1.00	0.00
14.46	10.48	2.00	0.00	1.00	0.00	14.48	10.01	2.00	0.00	1.00	0.00
14.50	10.18	2.00	0.00	1.00	0.00	14.52	10.72	2.00	0.00	1.00	0.00
14.54	11.18	2.00	0.00	1.00	0.00	14.56	11.45	2.00	0.00	1.00	0.00
14.58	11.43	2.00	0.00	1.00	0.00	14.60	10.87	2.00	0.00	1.00	0.00
14.62	10.21	2.00	0.00	1.00	0.00	14.64	9.93	2.00	0.00	1.00	0.00
14.66	9.37	2.00	0.00	1.00	0.00	14.68	9.18	2.00	0.00	1.00	0.00
14.70	9.08	2.00	0.00	1.00	0.00	14.72	9.54	2.00	0.00	1.00	0.00
14.74	10.54	2.00	0.00	1.00	0.00	14.76	11.18	2.00	0.00	1.00	0.00
14.78	11.63	2.00	0.00	1.00	0.00	14.80	11.90	2.00	0.00	1.00	0.00
14.82	11.62	2.00	0.00	1.00	0.00	14.84	11.43	2.00	0.00	1.00	0.00
14.86	11.55	2.00	0.00	1.00	0.00	14.88	11.45	2.00	0.00	1.00	0.00
14.90	10.53	2.00	0.00	1.00	0.00	14.92	9.89	2.00	0.00	1.00	0.00
14.94	9.42	2.00	0.00	1.00	0.00	14.96	9.42	2.00	0.00	1.00	0.00
14.98	9.87	2.00	0.00	1.00	0.00	15.00	10.78	2.00	0.00	1.00	0.00

Total estimated settlement: 5.07

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

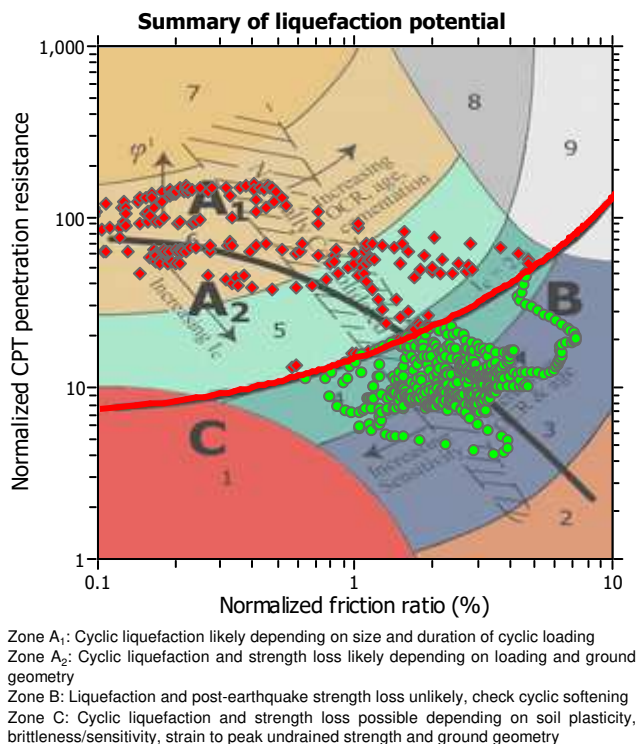
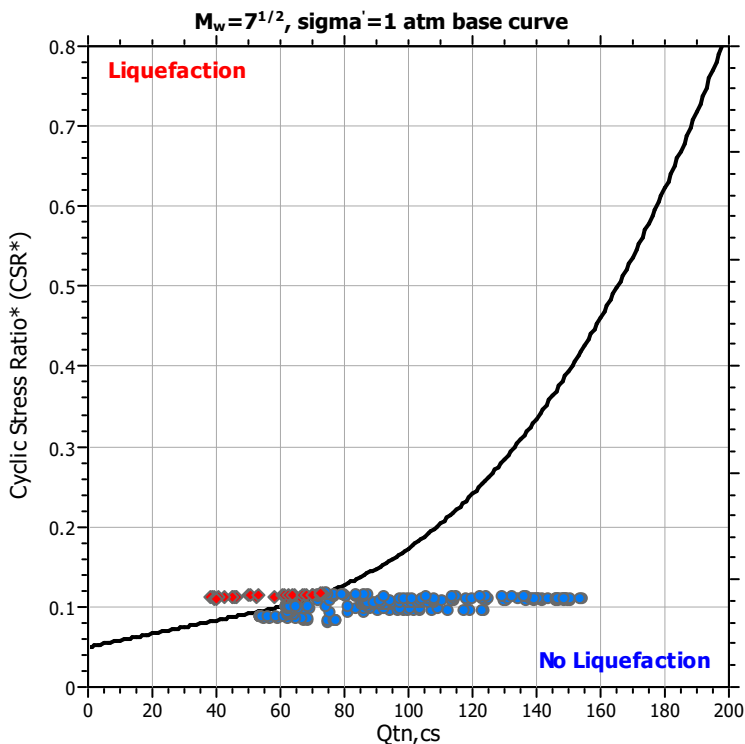
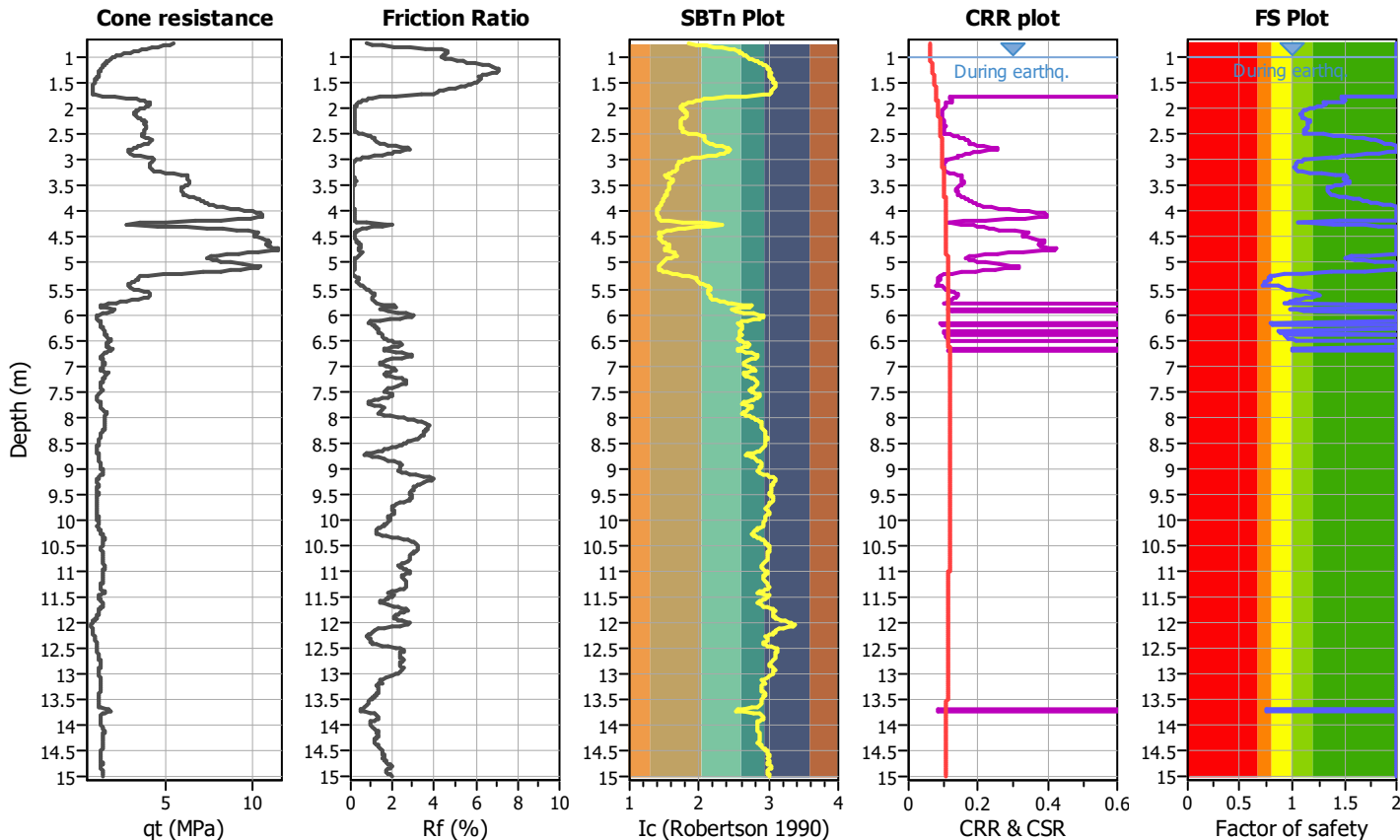
Project title :

Location :

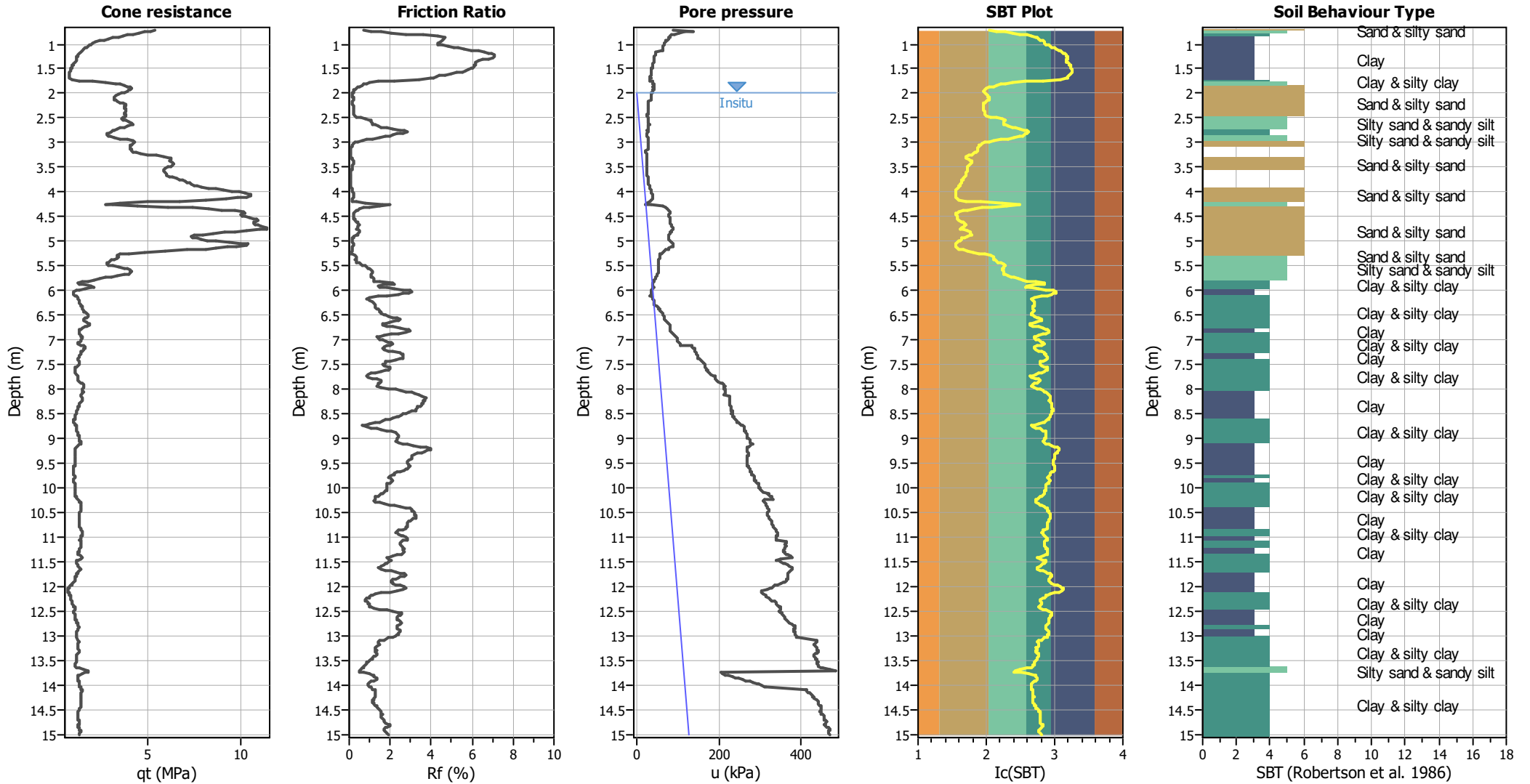
CPT file : CPTU 2

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.16	Unit weight calculation:	Based on SBT	K_0 applied:	Yes	MSF method:	Method based



CPT basic interpretation plots



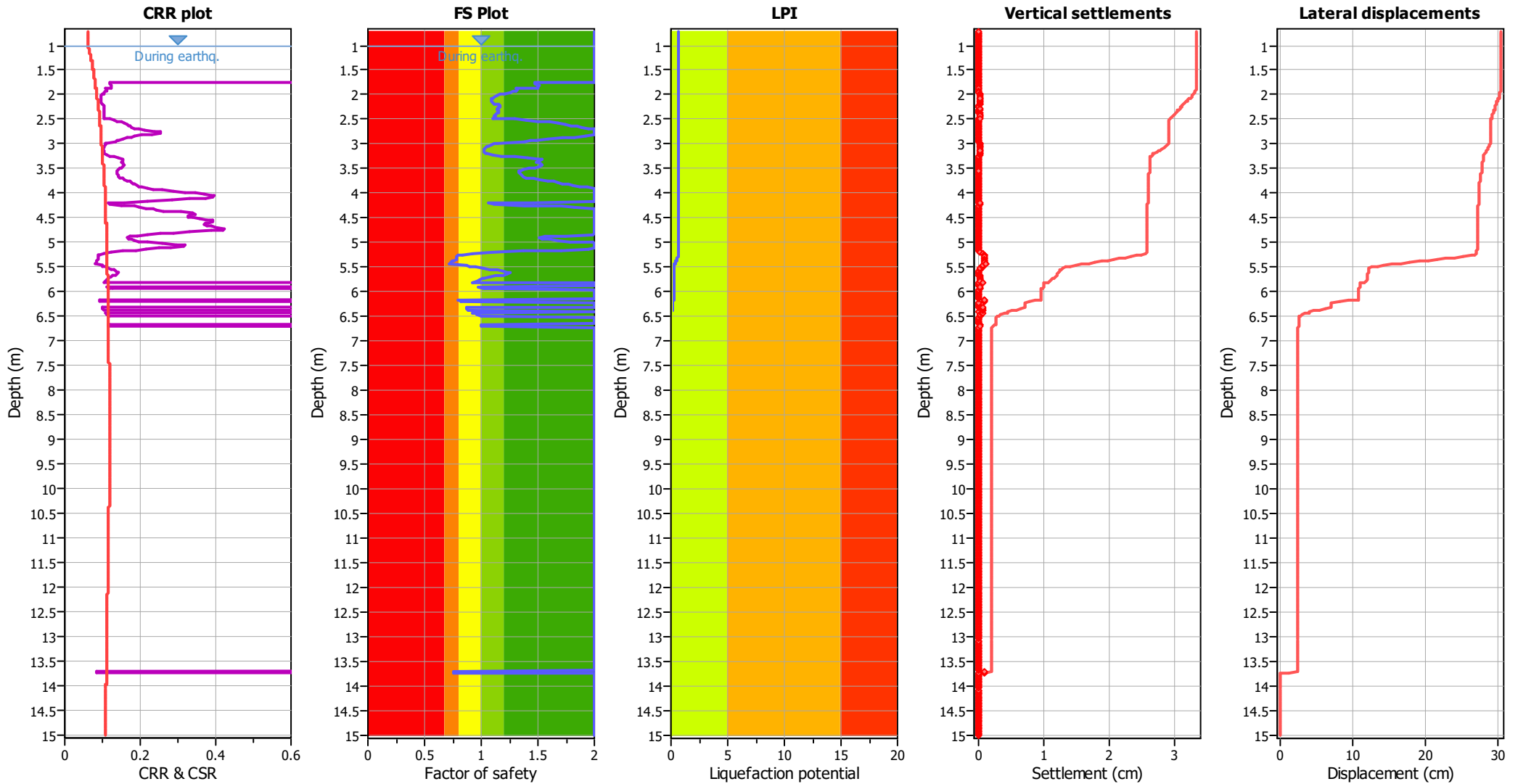
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to water table (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_{σ} applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to water table (earthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_{σ} applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.72	2.00	0.00	9.64	0.02	0.00	0.74	2.00	0.00	9.63	0.02	0.00
0.76	2.00	0.00	9.62	0.02	0.00	0.78	2.00	0.00	9.61	0.02	0.00
0.80	2.00	0.00	9.60	0.02	0.00	0.82	2.00	0.00	9.59	0.02	0.00
0.84	2.00	0.00	9.58	0.02	0.00	0.86	2.00	0.00	9.57	0.02	0.00
0.88	2.00	0.00	9.56	0.02	0.00	0.90	2.00	0.00	9.55	0.02	0.00
0.92	2.00	0.00	9.54	0.02	0.00	0.94	2.00	0.00	9.53	0.02	0.00
0.96	2.00	0.00	9.52	0.02	0.00	0.98	2.00	0.00	9.51	0.02	0.00
1.00	2.00	0.00	9.50	0.02	0.00	1.02	2.00	0.00	9.49	0.02	0.00
1.04	2.00	0.00	9.48	0.02	0.00	1.06	2.00	0.00	9.47	0.02	0.00
1.08	2.00	0.00	9.46	0.02	0.00	1.10	2.00	0.00	9.45	0.02	0.00
1.12	2.00	0.00	9.44	0.02	0.00	1.14	2.00	0.00	9.43	0.02	0.00
1.16	2.00	0.00	9.42	0.02	0.00	1.18	2.00	0.00	9.41	0.02	0.00
1.20	2.00	0.00	9.40	0.02	0.00	1.22	2.00	0.00	9.39	0.02	0.00
1.24	2.00	0.00	9.38	0.02	0.00	1.26	2.00	0.00	9.37	0.02	0.00
1.28	2.00	0.00	9.36	0.02	0.00	1.30	2.00	0.00	9.35	0.02	0.00
1.32	2.00	0.00	9.34	0.02	0.00	1.34	2.00	0.00	9.33	0.02	0.00
1.36	2.00	0.00	9.32	0.02	0.00	1.38	2.00	0.00	9.31	0.02	0.00
1.40	2.00	0.00	9.30	0.02	0.00	1.42	2.00	0.00	9.29	0.02	0.00
1.44	2.00	0.00	9.28	0.02	0.00	1.46	2.00	0.00	9.27	0.02	0.00
1.48	2.00	0.00	9.26	0.02	0.00	1.50	2.00	0.00	9.25	0.02	0.00
1.52	2.00	0.00	9.24	0.02	0.00	1.54	2.00	0.00	9.23	0.02	0.00
1.56	2.00	0.00	9.22	0.02	0.00	1.58	2.00	0.00	9.21	0.02	0.00
1.60	2.00	0.00	9.20	0.02	0.00	1.62	2.00	0.00	9.19	0.02	0.00
1.64	2.00	0.00	9.18	0.02	0.00	1.66	2.00	0.00	9.17	0.02	0.00
1.68	2.00	0.00	9.16	0.02	0.00	1.70	2.00	0.00	9.15	0.02	0.00
1.72	2.00	0.00	9.14	0.02	0.00	1.74	2.00	0.00	9.13	0.02	0.00
1.76	1.48	0.00	9.12	0.02	0.00	1.78	1.47	0.00	9.11	0.02	0.00
1.80	1.49	0.00	9.10	0.02	0.00	1.82	1.51	0.00	9.09	0.02	0.00
1.84	1.51	0.00	9.08	0.02	0.00	1.86	1.49	0.00	9.07	0.02	0.00
1.88	1.31	0.00	9.06	0.02	0.00	1.90	1.32	0.00	9.05	0.02	0.00
1.92	1.31	0.00	9.04	0.02	0.00	1.94	1.29	0.00	9.03	0.02	0.00
1.96	1.25	0.00	9.02	0.02	0.00	1.98	1.21	0.00	9.01	0.02	0.00
2.00	1.17	0.00	9.00	0.02	0.00	2.02	1.13	0.00	8.99	0.02	0.00
2.04	1.11	0.00	8.98	0.02	0.00	2.06	1.10	0.00	8.97	0.02	0.00
2.08	1.09	0.00	8.96	0.02	0.00	2.10	1.09	0.00	8.95	0.02	0.00
2.12	1.08	0.00	8.94	0.02	0.00	2.14	1.09	0.00	8.93	0.02	0.00
2.16	1.10	0.00	8.92	0.02	0.00	2.18	1.12	0.00	8.91	0.02	0.00
2.20	1.15	0.00	8.90	0.02	0.00	2.22	1.17	0.00	8.89	0.02	0.00
2.24	1.17	0.00	8.88	0.02	0.00	2.26	1.16	0.00	8.87	0.02	0.00
2.28	1.14	0.00	8.86	0.02	0.00	2.30	1.14	0.00	8.85	0.02	0.00
2.32	1.15	0.00	8.84	0.02	0.00	2.34	1.16	0.00	8.83	0.02	0.00
2.36	1.15	0.00	8.82	0.02	0.00	2.38	1.14	0.00	8.81	0.02	0.00
2.40	1.13	0.00	8.80	0.02	0.00	2.42	1.12	0.00	8.79	0.02	0.00
2.44	1.12	0.00	8.78	0.02	0.00	2.46	1.12	0.00	8.77	0.02	0.00
2.48	1.11	0.00	8.76	0.02	0.00	2.50	1.30	0.00	8.75	0.02	0.00
2.52	1.39	0.00	8.74	0.02	0.00	2.54	1.50	0.00	8.73	0.02	0.00
2.56	1.60	0.00	8.72	0.02	0.00	2.58	1.68	0.00	8.71	0.02	0.00
2.60	1.75	0.00	8.70	0.02	0.00	2.62	1.80	0.00	8.69	0.02	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
2.64	1.84	0.00	8.68	0.02	0.00	2.66	1.88	0.00	8.67	0.02	0.00
2.68	1.95	0.00	8.66	0.02	0.00	2.70	2.00	0.00	8.65	0.02	0.00
2.72	2.00	0.00	8.64	0.02	0.00	2.74	2.00	0.00	8.63	0.02	0.00
2.76	2.00	0.00	8.62	0.02	0.00	2.78	2.00	0.00	8.61	0.02	0.00
2.80	2.00	0.00	8.60	0.02	0.00	2.82	2.00	0.00	8.59	0.02	0.00
2.84	1.92	0.00	8.58	0.02	0.00	2.86	1.82	0.00	8.57	0.02	0.00
2.88	1.72	0.00	8.56	0.02	0.00	2.90	1.59	0.00	8.55	0.02	0.00
2.92	1.49	0.00	8.54	0.02	0.00	2.94	1.43	0.00	8.53	0.02	0.00
2.96	1.38	0.00	8.52	0.02	0.00	2.98	1.14	0.00	8.51	0.02	0.00
3.00	1.11	0.00	8.50	0.02	0.00	3.02	1.09	0.00	8.49	0.02	0.00
3.04	1.06	0.00	8.48	0.02	0.00	3.06	1.05	0.00	8.47	0.02	0.00
3.08	1.04	0.00	8.46	0.02	0.00	3.10	1.03	0.00	8.45	0.02	0.00
3.12	1.03	0.00	8.44	0.02	0.00	3.14	1.03	0.00	8.43	0.02	0.00
3.16	1.03	0.00	8.42	0.02	0.00	3.18	1.04	0.00	8.41	0.02	0.00
3.20	1.06	0.00	8.40	0.02	0.00	3.22	1.10	0.00	8.39	0.02	0.00
3.24	1.18	0.00	8.38	0.02	0.00	3.26	1.29	0.00	8.37	0.02	0.00
3.28	1.41	0.00	8.36	0.02	0.00	3.30	1.51	0.00	8.35	0.02	0.00
3.32	1.54	0.00	8.34	0.02	0.00	3.34	1.52	0.00	8.33	0.02	0.00
3.36	1.49	0.00	8.32	0.02	0.00	3.38	1.50	0.00	8.31	0.02	0.00
3.40	1.52	0.00	8.30	0.02	0.00	3.42	1.54	0.00	8.29	0.02	0.00
3.44	1.54	0.00	8.28	0.02	0.00	3.46	1.51	0.00	8.27	0.02	0.00
3.48	1.47	0.00	8.26	0.02	0.00	3.50	1.42	0.00	8.25	0.02	0.00
3.52	1.37	0.00	8.24	0.02	0.00	3.54	1.35	0.00	8.23	0.02	0.00
3.56	1.34	0.00	8.22	0.02	0.00	3.58	1.34	0.00	8.21	0.02	0.00
3.60	1.35	0.00	8.20	0.02	0.00	3.62	1.35	0.00	8.19	0.02	0.00
3.64	1.36	0.00	8.18	0.02	0.00	3.66	1.37	0.00	8.17	0.02	0.00
3.68	1.40	0.00	8.16	0.02	0.00	3.70	1.46	0.00	8.15	0.02	0.00
3.72	1.52	0.00	8.14	0.02	0.00	3.74	1.58	0.00	8.13	0.02	0.00
3.76	1.64	0.00	8.12	0.02	0.00	3.78	1.68	0.00	8.11	0.02	0.00
3.80	1.72	0.00	8.10	0.02	0.00	3.82	1.76	0.00	8.09	0.02	0.00
3.84	1.81	0.00	8.08	0.02	0.00	3.86	1.87	0.00	8.07	0.02	0.00
3.88	1.94	0.00	8.06	0.02	0.00	3.90	2.00	0.00	8.05	0.02	0.00
3.92	2.00	0.00	8.04	0.02	0.00	3.94	2.00	0.00	8.03	0.02	0.00
3.96	2.00	0.00	8.02	0.02	0.00	3.98	2.00	0.00	8.01	0.02	0.00
4.00	2.00	0.00	8.00	0.02	0.00	4.02	2.00	0.00	7.99	0.02	0.00
4.04	2.00	0.00	7.98	0.02	0.00	4.06	2.00	0.00	7.97	0.02	0.00
4.08	2.00	0.00	7.96	0.02	0.00	4.10	2.00	0.00	7.95	0.02	0.00
4.12	2.00	0.00	7.94	0.02	0.00	4.14	2.00	0.00	7.93	0.02	0.00
4.16	2.00	0.00	7.92	0.02	0.00	4.18	1.46	0.00	7.91	0.02	0.00
4.20	1.06	0.00	7.90	0.02	0.00	4.22	1.11	0.00	7.89	0.02	0.00
4.24	1.39	0.00	7.88	0.02	0.00	4.26	1.71	0.00	7.87	0.02	0.00
4.28	1.83	0.00	7.86	0.02	0.00	4.30	1.99	0.00	7.85	0.02	0.00
4.32	2.00	0.00	7.84	0.02	0.00	4.34	2.00	0.00	7.83	0.02	0.00
4.36	2.00	0.00	7.82	0.02	0.00	4.38	2.00	0.00	7.81	0.02	0.00
4.40	2.00	0.00	7.80	0.02	0.00	4.42	2.00	0.00	7.79	0.02	0.00
4.44	2.00	0.00	7.78	0.02	0.00	4.46	2.00	0.00	7.77	0.02	0.00
4.48	2.00	0.00	7.76	0.02	0.00	4.50	2.00	0.00	7.75	0.02	0.00
4.52	2.00	0.00	7.74	0.02	0.00	4.54	2.00	0.00	7.73	0.02	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
4.56	2.00	0.00	7.72	0.02	0.00	4.58	2.00	0.00	7.71	0.02	0.00
4.60	2.00	0.00	7.70	0.02	0.00	4.62	2.00	0.00	7.69	0.02	0.00
4.64	2.00	0.00	7.68	0.02	0.00	4.66	2.00	0.00	7.67	0.02	0.00
4.68	2.00	0.00	7.66	0.02	0.00	4.70	2.00	0.00	7.65	0.02	0.00
4.72	2.00	0.00	7.64	0.02	0.00	4.74	2.00	0.00	7.63	0.02	0.00
4.76	2.00	0.00	7.62	0.02	0.00	4.78	2.00	0.00	7.61	0.02	0.00
4.80	2.00	0.00	7.60	0.02	0.00	4.82	2.00	0.00	7.59	0.02	0.00
4.84	1.99	0.00	7.58	0.02	0.00	4.86	1.74	0.00	7.57	0.02	0.00
4.88	1.57	0.00	7.56	0.02	0.00	4.90	1.51	0.00	7.55	0.02	0.00
4.92	1.54	0.00	7.54	0.02	0.00	4.94	1.60	0.00	7.53	0.02	0.00
4.96	1.68	0.00	7.52	0.02	0.00	4.98	1.78	0.00	7.51	0.02	0.00
5.00	1.99	0.00	7.50	0.02	0.00	5.02	2.00	0.00	7.49	0.02	0.00
5.04	2.00	0.00	7.48	0.02	0.00	5.06	2.00	0.00	7.47	0.02	0.00
5.08	2.00	0.00	7.46	0.02	0.00	5.10	2.00	0.00	7.45	0.02	0.00
5.12	2.00	0.00	7.44	0.02	0.00	5.14	1.95	0.00	7.43	0.02	0.00
5.16	1.70	0.00	7.42	0.02	0.00	5.18	1.37	0.00	7.41	0.02	0.00
5.20	1.09	0.00	7.40	0.02	0.00	5.22	0.92	0.08	7.39	0.02	0.01
5.24	0.83	0.17	7.38	0.02	0.02	5.26	0.79	0.21	7.37	0.02	0.03
5.28	0.78	0.22	7.36	0.02	0.03	5.30	0.78	0.22	7.35	0.02	0.03
5.32	0.79	0.21	7.34	0.02	0.03	5.34	0.78	0.22	7.33	0.02	0.03
5.36	0.76	0.24	7.32	0.02	0.04	5.38	0.74	0.26	7.31	0.02	0.04
5.40	0.74	0.26	7.30	0.02	0.04	5.42	0.73	0.27	7.29	0.02	0.04
5.44	0.72	0.28	7.28	0.02	0.04	5.46	0.87	0.13	7.27	0.02	0.02
5.48	0.90	0.10	7.26	0.02	0.01	5.50	0.95	0.05	7.25	0.02	0.01
5.52	1.01	0.00	7.24	0.02	0.00	5.54	1.08	0.00	7.23	0.02	0.00
5.56	1.14	0.00	7.22	0.02	0.00	5.58	1.19	0.00	7.21	0.02	0.00
5.60	1.23	0.00	7.20	0.02	0.00	5.62	1.26	0.00	7.19	0.02	0.00
5.64	1.24	0.00	7.18	0.02	0.00	5.66	1.19	0.00	7.17	0.02	0.00
5.68	1.13	0.00	7.16	0.02	0.00	5.70	1.07	0.00	7.15	0.02	0.00
5.72	1.03	0.00	7.14	0.02	0.00	5.74	1.01	0.00	7.13	0.02	0.00
5.76	0.99	0.01	7.12	0.02	0.00	5.78	0.96	0.04	7.11	0.02	0.01
5.80	0.92	0.08	7.10	0.02	0.01	5.82	2.00	0.00	7.09	0.02	0.00
5.84	2.00	0.00	7.08	0.02	0.00	5.86	2.00	0.00	7.07	0.02	0.00
5.88	2.00	0.00	7.06	0.02	0.00	5.90	0.98	0.02	7.05	0.02	0.00
5.92	1.03	0.00	7.04	0.02	0.00	5.94	1.10	0.00	7.03	0.02	0.00
5.96	2.00	0.00	7.02	0.02	0.00	5.98	2.00	0.00	7.01	0.02	0.00
6.00	2.00	0.00	7.00	0.02	0.00	6.02	2.00	0.00	6.99	0.02	0.00
6.04	2.00	0.00	6.98	0.02	0.00	6.06	2.00	0.00	6.97	0.02	0.00
6.08	2.00	0.00	6.96	0.02	0.00	6.10	2.00	0.00	6.95	0.02	0.00
6.12	2.00	0.00	6.94	0.02	0.00	6.14	2.00	0.00	6.93	0.02	0.00
6.16	0.80	0.20	6.92	0.02	0.03	6.18	0.80	0.20	6.91	0.02	0.03
6.20	0.82	0.18	6.90	0.02	0.03	6.22	2.00	0.00	6.89	0.02	0.00
6.24	2.00	0.00	6.88	0.02	0.00	6.26	2.00	0.00	6.87	0.02	0.00
6.28	2.00	0.00	6.86	0.02	0.00	6.30	2.00	0.00	6.85	0.02	0.00
6.32	0.87	0.13	6.84	0.02	0.02	6.34	0.88	0.12	6.83	0.02	0.02
6.36	0.89	0.11	6.82	0.02	0.02	6.38	0.90	0.10	6.81	0.02	0.01
6.40	2.00	0.00	6.80	0.02	0.00	6.42	0.93	0.07	6.79	0.02	0.01
6.44	0.94	0.06	6.78	0.02	0.01	6.46	0.97	0.03	6.77	0.02	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
6.48	1.00	0.00	6.76	0.02	0.00	6.50	1.03	0.00	6.75	0.02	0.00
6.52	2.00	0.00	6.74	0.02	0.00	6.54	2.00	0.00	6.73	0.02	0.00
6.56	2.00	0.00	6.72	0.02	0.00	6.58	2.00	0.00	6.71	0.02	0.00
6.60	2.00	0.00	6.70	0.02	0.00	6.62	2.00	0.00	6.69	0.02	0.00
6.64	2.00	0.00	6.68	0.02	0.00	6.66	1.02	0.00	6.67	0.02	0.00
6.68	1.00	0.00	6.66	0.02	0.00	6.70	0.99	0.01	6.65	0.02	0.00
6.72	2.00	0.00	6.64	0.02	0.00	6.74	2.00	0.00	6.63	0.02	0.00
6.76	2.00	0.00	6.62	0.02	0.00	6.78	2.00	0.00	6.61	0.02	0.00
6.80	2.00	0.00	6.60	0.02	0.00	6.82	2.00	0.00	6.59	0.02	0.00
6.84	2.00	0.00	6.58	0.02	0.00	6.86	2.00	0.00	6.57	0.02	0.00
6.88	2.00	0.00	6.56	0.02	0.00	6.90	2.00	0.00	6.55	0.02	0.00
6.92	2.00	0.00	6.54	0.02	0.00	6.94	2.00	0.00	6.53	0.02	0.00
6.96	2.00	0.00	6.52	0.02	0.00	6.98	2.00	0.00	6.51	0.02	0.00
7.00	2.00	0.00	6.50	0.02	0.00	7.02	2.00	0.00	6.49	0.02	0.00
7.04	2.00	0.00	6.48	0.02	0.00	7.06	2.00	0.00	6.47	0.02	0.00
7.08	2.00	0.00	6.46	0.02	0.00	7.10	2.00	0.00	6.45	0.02	0.00
7.12	2.00	0.00	6.44	0.02	0.00	7.14	2.00	0.00	6.43	0.02	0.00
7.16	2.00	0.00	6.42	0.02	0.00	7.18	2.00	0.00	6.41	0.02	0.00
7.20	2.00	0.00	6.40	0.02	0.00	7.22	2.00	0.00	6.39	0.02	0.00
7.24	2.00	0.00	6.38	0.02	0.00	7.26	2.00	0.00	6.37	0.02	0.00
7.28	2.00	0.00	6.36	0.02	0.00	7.30	2.00	0.00	6.35	0.02	0.00
7.32	2.00	0.00	6.34	0.02	0.00	7.34	2.00	0.00	6.33	0.02	0.00
7.36	2.00	0.00	6.32	0.02	0.00	7.38	2.00	0.00	6.31	0.02	0.00
7.40	2.00	0.00	6.30	0.02	0.00	7.42	2.00	0.00	6.29	0.02	0.00
7.44	2.00	0.00	6.28	0.02	0.00	7.46	2.00	0.00	6.27	0.02	0.00
7.48	2.00	0.00	6.26	0.02	0.00	7.50	2.00	0.00	6.25	0.02	0.00
7.52	2.00	0.00	6.24	0.02	0.00	7.54	2.00	0.00	6.23	0.02	0.00
7.56	2.00	0.00	6.22	0.02	0.00	7.58	2.00	0.00	6.21	0.02	0.00
7.60	2.00	0.00	6.20	0.02	0.00	7.62	2.00	0.00	6.19	0.02	0.00
7.64	2.00	0.00	6.18	0.02	0.00	7.66	2.00	0.00	6.17	0.02	0.00
7.68	2.00	0.00	6.16	0.02	0.00	7.70	2.00	0.00	6.15	0.02	0.00
7.72	2.00	0.00	6.14	0.02	0.00	7.74	2.00	0.00	6.13	0.02	0.00
7.76	2.00	0.00	6.12	0.02	0.00	7.78	2.00	0.00	6.11	0.02	0.00
7.80	2.00	0.00	6.10	0.02	0.00	7.82	2.00	0.00	6.09	0.02	0.00
7.84	2.00	0.00	6.08	0.02	0.00	7.86	2.00	0.00	6.07	0.02	0.00
7.88	2.00	0.00	6.06	0.02	0.00	7.90	2.00	0.00	6.05	0.02	0.00
7.92	2.00	0.00	6.04	0.02	0.00	7.94	2.00	0.00	6.03	0.02	0.00
7.96	2.00	0.00	6.02	0.02	0.00	7.98	2.00	0.00	6.01	0.02	0.00
8.00	2.00	0.00	6.00	0.02	0.00	8.02	2.00	0.00	5.99	0.02	0.00
8.04	2.00	0.00	5.98	0.02	0.00	8.06	2.00	0.00	5.97	0.02	0.00
8.08	2.00	0.00	5.96	0.02	0.00	8.10	2.00	0.00	5.95	0.02	0.00
8.14	2.00	0.00	5.93	0.04	0.00	8.16	2.00	0.00	5.92	0.02	0.00
8.18	2.00	0.00	5.91	0.02	0.00	8.20	2.00	0.00	5.90	0.02	0.00
8.22	2.00	0.00	5.89	0.02	0.00	8.24	2.00	0.00	5.88	0.02	0.00
8.26	2.00	0.00	5.87	0.02	0.00	8.28	2.00	0.00	5.86	0.02	0.00
8.30	2.00	0.00	5.85	0.02	0.00	8.32	2.00	0.00	5.84	0.02	0.00
8.34	2.00	0.00	5.83	0.02	0.00	8.36	2.00	0.00	5.82	0.02	0.00
8.38	2.00	0.00	5.81	0.02	0.00	8.40	2.00	0.00	5.80	0.02	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
8.42	2.00	0.00	5.79	0.02	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	2.00	0.00	5.77	0.02	0.00	8.48	2.00	0.00	5.76	0.02	0.00
8.50	2.00	0.00	5.75	0.02	0.00	8.52	2.00	0.00	5.74	0.02	0.00
8.54	2.00	0.00	5.73	0.02	0.00	8.56	2.00	0.00	5.72	0.02	0.00
8.58	2.00	0.00	5.71	0.02	0.00	8.60	2.00	0.00	5.70	0.02	0.00
8.62	2.00	0.00	5.69	0.02	0.00	8.64	2.00	0.00	5.68	0.02	0.00
8.66	2.00	0.00	5.67	0.02	0.00	8.68	2.00	0.00	5.66	0.02	0.00
8.70	2.00	0.00	5.65	0.02	0.00	8.72	2.00	0.00	5.64	0.02	0.00
8.74	2.00	0.00	5.63	0.02	0.00	8.76	2.00	0.00	5.62	0.02	0.00
8.78	2.00	0.00	5.61	0.02	0.00	8.80	2.00	0.00	5.60	0.02	0.00
8.82	2.00	0.00	5.59	0.02	0.00	8.84	2.00	0.00	5.58	0.02	0.00
8.86	2.00	0.00	5.57	0.02	0.00	8.88	2.00	0.00	5.56	0.02	0.00
8.90	2.00	0.00	5.55	0.02	0.00	8.92	2.00	0.00	5.54	0.02	0.00
8.94	2.00	0.00	5.53	0.02	0.00	8.96	2.00	0.00	5.52	0.02	0.00
8.98	2.00	0.00	5.51	0.02	0.00	9.00	2.00	0.00	5.50	0.02	0.00
9.02	2.00	0.00	5.49	0.02	0.00	9.04	2.00	0.00	5.48	0.02	0.00
9.06	2.00	0.00	5.47	0.02	0.00	9.08	2.00	0.00	5.46	0.02	0.00
9.10	2.00	0.00	5.45	0.02	0.00	9.12	2.00	0.00	5.44	0.02	0.00
9.14	2.00	0.00	5.43	0.02	0.00	9.16	2.00	0.00	5.42	0.02	0.00
9.18	2.00	0.00	5.41	0.02	0.00	9.20	2.00	0.00	5.40	0.02	0.00
9.22	2.00	0.00	5.39	0.02	0.00	9.24	2.00	0.00	5.38	0.02	0.00
9.26	2.00	0.00	5.37	0.02	0.00	9.28	2.00	0.00	5.36	0.02	0.00
9.30	2.00	0.00	5.35	0.02	0.00	9.32	2.00	0.00	5.34	0.02	0.00
9.34	2.00	0.00	5.33	0.02	0.00	9.36	2.00	0.00	5.32	0.02	0.00
9.38	2.00	0.00	5.31	0.02	0.00	9.40	2.00	0.00	5.30	0.02	0.00
9.42	2.00	0.00	5.29	0.02	0.00	9.44	2.00	0.00	5.28	0.02	0.00
9.46	2.00	0.00	5.27	0.02	0.00	9.48	2.00	0.00	5.26	0.02	0.00
9.50	2.00	0.00	5.25	0.02	0.00	9.52	2.00	0.00	5.24	0.02	0.00
9.54	2.00	0.00	5.23	0.02	0.00	9.56	2.00	0.00	5.22	0.02	0.00
9.58	2.00	0.00	5.21	0.02	0.00	9.60	2.00	0.00	5.20	0.02	0.00
9.62	2.00	0.00	5.19	0.02	0.00	9.64	2.00	0.00	5.18	0.02	0.00
9.66	2.00	0.00	5.17	0.02	0.00	9.68	2.00	0.00	5.16	0.02	0.00
9.70	2.00	0.00	5.15	0.02	0.00	9.72	2.00	0.00	5.14	0.02	0.00
9.74	2.00	0.00	5.13	0.02	0.00	9.76	2.00	0.00	5.12	0.02	0.00
9.78	2.00	0.00	5.11	0.02	0.00	9.80	2.00	0.00	5.10	0.02	0.00
9.82	2.00	0.00	5.09	0.02	0.00	9.84	2.00	0.00	5.08	0.02	0.00
9.86	2.00	0.00	5.07	0.02	0.00	9.88	2.00	0.00	5.06	0.02	0.00
9.90	2.00	0.00	5.05	0.02	0.00	9.92	2.00	0.00	5.04	0.02	0.00
9.94	2.00	0.00	5.03	0.02	0.00	9.96	2.00	0.00	5.02	0.02	0.00
9.98	2.00	0.00	5.01	0.02	0.00	10.00	2.00	0.00	5.00	0.02	0.00
10.02	2.00	0.00	4.99	0.02	0.00	10.04	2.00	0.00	4.98	0.02	0.00
10.06	2.00	0.00	4.97	0.02	0.00	10.08	2.00	0.00	4.96	0.02	0.00
10.10	2.00	0.00	4.95	0.02	0.00	10.12	2.00	0.00	4.94	0.02	0.00
10.14	2.00	0.00	4.93	0.02	0.00	10.16	2.00	0.00	4.92	0.02	0.00
10.18	2.00	0.00	4.91	0.02	0.00	10.20	2.00	0.00	4.90	0.02	0.00
10.22	2.00	0.00	4.89	0.02	0.00	10.24	2.00	0.00	4.88	0.02	0.00
10.26	2.00	0.00	4.87	0.02	0.00	10.28	2.00	0.00	4.86	0.02	0.00
10.30	2.00	0.00	4.85	0.02	0.00	10.32	2.00	0.00	4.84	0.02	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
10.34	2.00	0.00	4.83	0.02	0.00	10.36	2.00	0.00	4.82	0.02	0.00
10.38	2.00	0.00	4.81	0.02	0.00	10.40	2.00	0.00	4.80	0.02	0.00
10.42	2.00	0.00	4.79	0.02	0.00	10.44	2.00	0.00	4.78	0.02	0.00
10.46	2.00	0.00	4.77	0.02	0.00	10.48	2.00	0.00	4.76	0.02	0.00
10.50	2.00	0.00	4.75	0.02	0.00	10.52	2.00	0.00	4.74	0.02	0.00
10.54	2.00	0.00	4.73	0.02	0.00	10.56	2.00	0.00	4.72	0.02	0.00
10.58	2.00	0.00	4.71	0.02	0.00	10.60	2.00	0.00	4.70	0.02	0.00
10.62	2.00	0.00	4.69	0.02	0.00	10.64	2.00	0.00	4.68	0.02	0.00
10.66	2.00	0.00	4.67	0.02	0.00	10.68	2.00	0.00	4.66	0.02	0.00
10.70	2.00	0.00	4.65	0.02	0.00	10.72	2.00	0.00	4.64	0.02	0.00
10.74	2.00	0.00	4.63	0.02	0.00	10.76	2.00	0.00	4.62	0.02	0.00
10.78	2.00	0.00	4.61	0.02	0.00	10.80	2.00	0.00	4.60	0.02	0.00
10.82	2.00	0.00	4.59	0.02	0.00	10.84	2.00	0.00	4.58	0.02	0.00
10.86	2.00	0.00	4.57	0.02	0.00	10.88	2.00	0.00	4.56	0.02	0.00
10.90	2.00	0.00	4.55	0.02	0.00	10.92	2.00	0.00	4.54	0.02	0.00
10.94	2.00	0.00	4.53	0.02	0.00	10.96	2.00	0.00	4.52	0.02	0.00
10.98	2.00	0.00	4.51	0.02	0.00	11.00	2.00	0.00	4.50	0.02	0.00
11.02	2.00	0.00	4.49	0.02	0.00	11.04	2.00	0.00	4.48	0.02	0.00
11.06	2.00	0.00	4.47	0.02	0.00	11.08	2.00	0.00	4.46	0.02	0.00
11.10	2.00	0.00	4.45	0.02	0.00	11.12	2.00	0.00	4.44	0.02	0.00
11.14	2.00	0.00	4.43	0.02	0.00	11.16	2.00	0.00	4.42	0.02	0.00
11.18	2.00	0.00	4.41	0.02	0.00	11.20	2.00	0.00	4.40	0.02	0.00
11.22	2.00	0.00	4.39	0.02	0.00	11.24	2.00	0.00	4.38	0.02	0.00
11.26	2.00	0.00	4.37	0.02	0.00	11.28	2.00	0.00	4.36	0.02	0.00
11.30	2.00	0.00	4.35	0.02	0.00	11.32	2.00	0.00	4.34	0.02	0.00
11.34	2.00	0.00	4.33	0.02	0.00	11.36	2.00	0.00	4.32	0.02	0.00
11.38	2.00	0.00	4.31	0.02	0.00	11.40	2.00	0.00	4.30	0.02	0.00
11.42	2.00	0.00	4.29	0.02	0.00	11.44	2.00	0.00	4.28	0.02	0.00
11.46	2.00	0.00	4.27	0.02	0.00	11.48	2.00	0.00	4.26	0.02	0.00
11.50	2.00	0.00	4.25	0.02	0.00	11.52	2.00	0.00	4.24	0.02	0.00
11.54	2.00	0.00	4.23	0.02	0.00	11.56	2.00	0.00	4.22	0.02	0.00
11.58	2.00	0.00	4.21	0.02	0.00	11.60	2.00	0.00	4.20	0.02	0.00
11.62	2.00	0.00	4.19	0.02	0.00	11.64	2.00	0.00	4.18	0.02	0.00
11.66	2.00	0.00	4.17	0.02	0.00	11.68	2.00	0.00	4.16	0.02	0.00
11.70	2.00	0.00	4.15	0.02	0.00	11.72	2.00	0.00	4.14	0.02	0.00
11.74	2.00	0.00	4.13	0.02	0.00	11.76	2.00	0.00	4.12	0.02	0.00
11.78	2.00	0.00	4.11	0.02	0.00	11.80	2.00	0.00	4.10	0.02	0.00
11.82	2.00	0.00	4.09	0.02	0.00	11.84	2.00	0.00	4.08	0.02	0.00
11.86	2.00	0.00	4.07	0.02	0.00	11.88	2.00	0.00	4.06	0.02	0.00
11.90	2.00	0.00	4.05	0.02	0.00	11.92	2.00	0.00	4.04	0.02	0.00
11.94	2.00	0.00	4.03	0.02	0.00	11.96	2.00	0.00	4.02	0.02	0.00
11.98	2.00	0.00	4.01	0.02	0.00	12.00	2.00	0.00	4.00	0.02	0.00
12.02	2.00	0.00	3.99	0.02	0.00	12.04	2.00	0.00	3.98	0.02	0.00
12.06	2.00	0.00	3.97	0.02	0.00	12.08	2.00	0.00	3.96	0.02	0.00
12.10	2.00	0.00	3.95	0.02	0.00	12.12	2.00	0.00	3.94	0.02	0.00
12.14	2.00	0.00	3.93	0.02	0.00	12.16	2.00	0.00	3.92	0.02	0.00
12.18	2.00	0.00	3.91	0.02	0.00	12.20	2.00	0.00	3.90	0.02	0.00
12.22	2.00	0.00	3.89	0.02	0.00	12.24	2.00	0.00	3.88	0.02	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
12.26	2.00	0.00	3.87	0.02	0.00	12.28	2.00	0.00	3.86	0.02	0.00
12.30	2.00	0.00	3.85	0.02	0.00	12.32	2.00	0.00	3.84	0.02	0.00
12.34	2.00	0.00	3.83	0.02	0.00	12.36	2.00	0.00	3.82	0.02	0.00
12.38	2.00	0.00	3.81	0.02	0.00	12.40	2.00	0.00	3.80	0.02	0.00
12.42	2.00	0.00	3.79	0.02	0.00	12.44	2.00	0.00	3.78	0.02	0.00
12.46	2.00	0.00	3.77	0.02	0.00	12.48	2.00	0.00	3.76	0.02	0.00
12.50	2.00	0.00	3.75	0.02	0.00	12.52	2.00	0.00	3.74	0.02	0.00
12.54	2.00	0.00	3.73	0.02	0.00	12.56	2.00	0.00	3.72	0.02	0.00
12.58	2.00	0.00	3.71	0.02	0.00	12.60	2.00	0.00	3.70	0.02	0.00
12.62	2.00	0.00	3.69	0.02	0.00	12.64	2.00	0.00	3.68	0.02	0.00
12.66	2.00	0.00	3.67	0.02	0.00	12.68	2.00	0.00	3.66	0.02	0.00
12.70	2.00	0.00	3.65	0.02	0.00	12.72	2.00	0.00	3.64	0.02	0.00
12.74	2.00	0.00	3.63	0.02	0.00	12.76	2.00	0.00	3.62	0.02	0.00
12.78	2.00	0.00	3.61	0.02	0.00	12.80	2.00	0.00	3.60	0.02	0.00
12.82	2.00	0.00	3.59	0.02	0.00	12.84	2.00	0.00	3.58	0.02	0.00
12.86	2.00	0.00	3.57	0.02	0.00	12.88	2.00	0.00	3.56	0.02	0.00
12.90	2.00	0.00	3.55	0.02	0.00	12.92	2.00	0.00	3.54	0.02	0.00
12.94	2.00	0.00	3.53	0.02	0.00	12.96	2.00	0.00	3.52	0.02	0.00
12.98	2.00	0.00	3.51	0.02	0.00	13.00	2.00	0.00	3.50	0.02	0.00
13.02	2.00	0.00	3.49	0.02	0.00	13.04	2.00	0.00	3.48	0.02	0.00
13.08	2.00	0.00	3.46	0.04	0.00	13.10	2.00	0.00	3.45	0.02	0.00
13.12	2.00	0.00	3.44	0.02	0.00	13.14	2.00	0.00	3.43	0.02	0.00
13.16	2.00	0.00	3.42	0.02	0.00	13.18	2.00	0.00	3.41	0.02	0.00
13.20	2.00	0.00	3.40	0.02	0.00	13.22	2.00	0.00	3.39	0.02	0.00
13.24	2.00	0.00	3.38	0.02	0.00	13.26	2.00	0.00	3.37	0.02	0.00
13.28	2.00	0.00	3.36	0.02	0.00	13.30	2.00	0.00	3.35	0.02	0.00
13.32	2.00	0.00	3.34	0.02	0.00	13.34	2.00	0.00	3.33	0.02	0.00
13.36	2.00	0.00	3.32	0.02	0.00	13.38	2.00	0.00	3.31	0.02	0.00
13.40	2.00	0.00	3.30	0.02	0.00	13.42	2.00	0.00	3.29	0.02	0.00
13.44	2.00	0.00	3.28	0.02	0.00	13.46	2.00	0.00	3.27	0.02	0.00
13.48	2.00	0.00	3.26	0.02	0.00	13.50	2.00	0.00	3.25	0.02	0.00
13.52	2.00	0.00	3.24	0.02	0.00	13.54	2.00	0.00	3.23	0.02	0.00
13.56	2.00	0.00	3.22	0.02	0.00	13.58	2.00	0.00	3.21	0.02	0.00
13.60	2.00	0.00	3.20	0.02	0.00	13.62	2.00	0.00	3.19	0.02	0.00
13.64	2.00	0.00	3.18	0.02	0.00	13.66	2.00	0.00	3.17	0.02	0.00
13.68	2.00	0.00	3.16	0.02	0.00	13.70	0.75	0.25	3.15	0.02	0.02
13.72	0.76	0.24	3.14	0.02	0.02	13.74	2.00	0.00	3.13	0.02	0.00
13.76	2.00	0.00	3.12	0.02	0.00	13.78	2.00	0.00	3.11	0.02	0.00
13.80	2.00	0.00	3.10	0.02	0.00	13.82	2.00	0.00	3.09	0.02	0.00
13.84	2.00	0.00	3.08	0.02	0.00	13.86	2.00	0.00	3.07	0.02	0.00
13.88	2.00	0.00	3.06	0.02	0.00	13.90	2.00	0.00	3.05	0.02	0.00
13.92	2.00	0.00	3.04	0.02	0.00	13.94	2.00	0.00	3.03	0.02	0.00
13.96	2.00	0.00	3.02	0.02	0.00	13.98	2.00	0.00	3.01	0.02	0.00
14.00	2.00	0.00	3.00	0.02	0.00	14.02	2.00	0.00	2.99	0.02	0.00
14.04	2.00	0.00	2.98	0.02	0.00	14.08	2.00	0.00	2.96	0.04	0.00
14.10	2.00	0.00	2.95	0.02	0.00	14.12	2.00	0.00	2.94	0.02	0.00
14.14	2.00	0.00	2.93	0.02	0.00	14.16	2.00	0.00	2.92	0.02	0.00
14.18	2.00	0.00	2.91	0.02	0.00	14.20	2.00	0.00	2.90	0.02	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
14.22	2.00	0.00	2.89	0.02	0.00	14.24	2.00	0.00	2.88	0.02	0.00
14.26	2.00	0.00	2.87	0.02	0.00	14.28	2.00	0.00	2.86	0.02	0.00
14.30	2.00	0.00	2.85	0.02	0.00	14.32	2.00	0.00	2.84	0.02	0.00
14.34	2.00	0.00	2.83	0.02	0.00	14.36	2.00	0.00	2.82	0.02	0.00
14.38	2.00	0.00	2.81	0.02	0.00	14.40	2.00	0.00	2.80	0.02	0.00
14.42	2.00	0.00	2.79	0.02	0.00	14.44	2.00	0.00	2.78	0.02	0.00
14.46	2.00	0.00	2.77	0.02	0.00	14.48	2.00	0.00	2.76	0.02	0.00
14.50	2.00	0.00	2.75	0.02	0.00	14.52	2.00	0.00	2.74	0.02	0.00
14.54	2.00	0.00	2.73	0.02	0.00	14.56	2.00	0.00	2.72	0.02	0.00
14.58	2.00	0.00	2.71	0.02	0.00	14.60	2.00	0.00	2.70	0.02	0.00
14.62	2.00	0.00	2.69	0.02	0.00	14.64	2.00	0.00	2.68	0.02	0.00
14.66	2.00	0.00	2.67	0.02	0.00	14.68	2.00	0.00	2.66	0.02	0.00
14.70	2.00	0.00	2.65	0.02	0.00	14.72	2.00	0.00	2.64	0.02	0.00
14.74	2.00	0.00	2.63	0.02	0.00	14.76	2.00	0.00	2.62	0.02	0.00
14.78	2.00	0.00	2.61	0.02	0.00	14.80	2.00	0.00	2.60	0.02	0.00
14.82	2.00	0.00	2.59	0.02	0.00	14.84	2.00	0.00	2.58	0.02	0.00
14.86	2.00	0.00	2.57	0.02	0.00	14.88	2.00	0.00	2.56	0.02	0.00
14.90	2.00	0.00	2.55	0.02	0.00	14.92	2.00	0.00	2.54	0.02	0.00
14.94	2.00	0.00	2.53	0.02	0.00	14.96	2.00	0.00	2.52	0.02	0.00
14.98	2.00	0.00	2.51	0.02	0.00	15.00	2.00	0.00	2.50	0.02	0.00

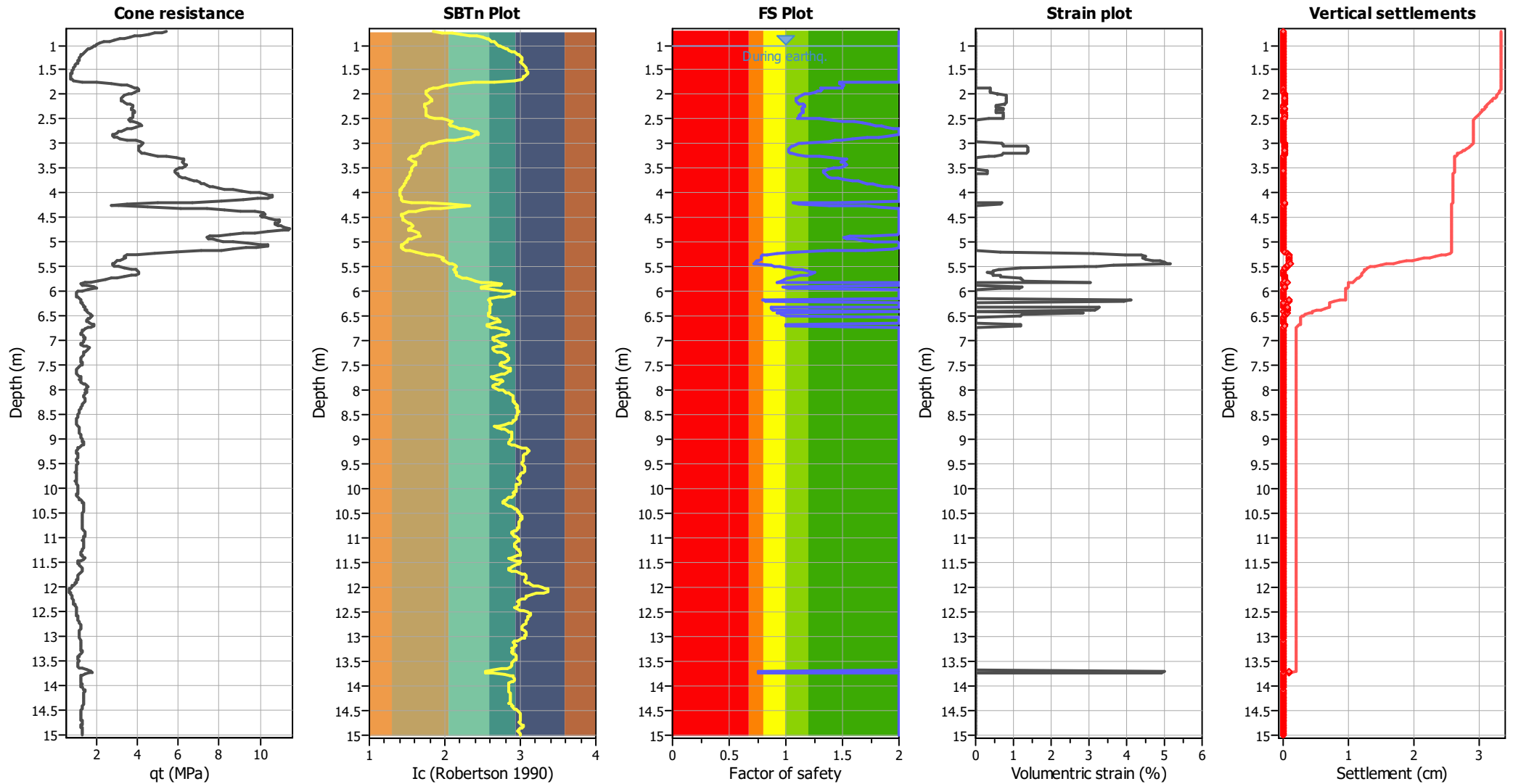
Overall liquefaction potential: 0.65

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

Abbreviations

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

Estimation of post-earthquake settlements



Abbreviations

- qt: 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)
1.00	129.65	2.00	0.00	1.00	0.00	1.02	130.56	2.00	0.00	1.00	0.00
1.04	132.43	2.00	0.00	1.00	0.00	1.06	133.21	2.00	0.00	1.00	0.00
1.08	134.19	2.00	0.00	1.00	0.00	1.10	134.86	2.00	0.00	1.00	0.00
1.12	136.05	2.00	0.00	1.00	0.00	1.14	137.35	2.00	0.00	1.00	0.00
1.16	137.49	2.00	0.00	1.00	0.00	1.18	137.59	2.00	0.00	1.00	0.00
1.20	136.60	2.00	0.00	1.00	0.00	1.22	135.53	2.00	0.00	1.00	0.00
1.24	133.66	2.00	0.00	1.00	0.00	1.26	132.19	2.00	0.00	1.00	0.00
1.28	130.34	2.00	0.00	1.00	0.00	1.30	127.80	2.00	0.00	1.00	0.00
1.32	124.55	2.00	0.00	1.00	0.00	1.34	121.51	2.00	0.00	1.00	0.00
1.36	118.89	2.00	0.00	1.00	0.00	1.38	116.28	2.00	0.00	1.00	0.00
1.40	114.00	2.00	0.00	1.00	0.00	1.42	111.70	2.00	0.00	1.00	0.00
1.44	109.68	2.00	0.00	1.00	0.00	1.46	107.93	2.00	0.00	1.00	0.00
1.48	106.24	2.00	0.00	1.00	0.00	1.50	104.42	2.00	0.00	1.00	0.00
1.52	101.97	2.00	0.00	1.00	0.00	1.54	99.01	2.00	0.00	1.00	0.00
1.56	96.08	2.00	0.00	1.00	0.00	1.58	93.57	2.00	0.00	1.00	0.00
1.60	91.47	2.00	0.00	1.00	0.00	1.62	89.38	2.00	0.00	1.00	0.00
1.64	87.19	2.00	0.00	1.00	0.00	1.66	85.50	2.00	0.00	1.00	0.00
1.68	84.30	2.00	0.00	1.00	0.00	1.70	83.36	2.00	0.00	1.00	0.00
1.72	82.36	2.00	0.00	1.00	0.00	1.74	78.78	2.00	0.00	1.00	0.00
1.76	74.90	1.48	0.00	1.00	0.00	1.78	74.90	1.47	0.00	1.00	0.00
1.80	76.57	1.49	0.00	1.00	0.00	1.82	77.67	1.51	0.00	1.00	0.00
1.84	77.78	1.51	0.00	1.00	0.00	1.86	77.50	1.49	0.00	1.00	0.00
1.88	67.48	1.31	0.38	1.00	0.01	1.90	68.65	1.32	0.38	1.00	0.01
1.92	68.44	1.31	0.38	1.00	0.01	1.94	67.07	1.29	0.38	1.00	0.01
1.96	64.93	1.25	0.39	1.00	0.01	1.98	62.23	1.21	0.56	1.00	0.01
2.00	59.30	1.17	0.58	1.00	0.01	2.02	56.61	1.13	0.80	1.00	0.02
2.04	54.70	1.11	0.82	1.00	0.02	2.06	53.82	1.10	0.82	1.00	0.02
2.08	53.60	1.09	0.83	1.00	0.02	2.10	53.62	1.09	0.83	1.00	0.02
2.12	53.70	1.08	0.83	1.00	0.02	2.14	54.41	1.09	0.82	1.00	0.02
2.16	56.02	1.10	0.80	1.00	0.02	2.18	58.53	1.12	0.78	1.00	0.02
2.20	61.32	1.15	0.76	1.00	0.02	2.22	63.24	1.17	0.55	1.00	0.01
2.24	63.73	1.17	0.55	1.00	0.01	2.26	63.06	1.16	0.56	1.00	0.01
2.28	62.34	1.14	0.75	1.00	0.01	2.30	62.52	1.14	0.75	1.00	0.01
2.32	63.49	1.15	0.55	1.00	0.01	2.34	64.35	1.16	0.55	1.00	0.01
2.36	64.22	1.15	0.55	1.00	0.01	2.38	63.44	1.14	0.74	1.00	0.01
2.40	62.73	1.13	0.75	1.00	0.01	2.42	62.63	1.12	0.75	1.00	0.01
2.44	63.07	1.12	0.74	1.00	0.01	2.46	63.14	1.12	0.74	1.00	0.01
2.48	62.36	1.11	0.75	1.00	0.01	2.50	75.63	1.30	0.35	1.00	0.01
2.52	81.07	1.39	0.00	1.00	0.00	2.54	86.24	1.50	0.00	1.00	0.00
2.56	90.84	1.60	0.00	1.00	0.00	2.58	94.10	1.68	0.00	1.00	0.00
2.60	96.73	1.75	0.00	1.00	0.00	2.62	98.67	1.80	0.00	1.00	0.00
2.64	100.23	1.84	0.00	1.00	0.00	2.66	101.80	1.88	0.00	1.00	0.00
2.68	103.88	1.95	0.00	1.00	0.00	2.70	107.43	2.00	0.00	1.00	0.00
2.72	112.76	2.00	0.00	1.00	0.00	2.74	119.18	2.00	0.00	1.00	0.00
2.76	123.56	2.00	0.00	1.00	0.00	2.78	123.42	2.00	0.00	1.00	0.00
2.80	117.38	2.00	0.00	1.00	0.00	2.82	109.68	2.00	0.00	1.00	0.00
2.84	104.04	1.92	0.00	1.00	0.00	2.86	100.92	1.82	0.00	1.00	0.00
2.88	97.52	1.72	0.00	1.00	0.00	2.90	92.69	1.59	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)
2.92	88.37	1.49	0.00	1.00	0.00	2.94	86.05	1.43	0.00	1.00	0.00
2.96	83.57	1.38	0.00	1.00	0.00	2.98	69.31	1.14	0.70	1.00	0.01
3.00	67.61	1.11	0.71	1.00	0.01	3.02	65.71	1.09	0.72	1.00	0.01
3.04	63.93	1.06	0.74	1.00	0.01	3.06	62.66	1.05	1.36	1.00	0.03
3.08	61.95	1.04	1.38	1.00	0.03	3.10	61.64	1.03	1.39	1.00	0.03
3.12	61.59	1.03	1.39	1.00	0.03	3.14	61.86	1.03	1.38	1.00	0.03
3.16	62.31	1.03	1.37	1.00	0.03	3.18	63.20	1.04	1.35	1.00	0.03
3.20	65.14	1.06	0.73	1.00	0.01	3.22	68.60	1.10	0.70	1.00	0.01
3.24	74.32	1.18	0.50	1.00	0.01	3.26	81.24	1.29	0.33	1.00	0.01
3.28	87.67	1.41	0.00	1.00	0.00	3.30	91.99	1.51	0.00	1.00	0.00
3.32	93.35	1.54	0.00	1.00	0.00	3.34	92.68	1.52	0.00	1.00	0.00
3.36	91.69	1.49	0.00	1.00	0.00	3.38	91.97	1.50	0.00	1.00	0.00
3.40	93.16	1.52	0.00	1.00	0.00	3.42	94.13	1.54	0.00	1.00	0.00
3.44	94.09	1.54	0.00	1.00	0.00	3.46	93.00	1.51	0.00	1.00	0.00
3.48	91.35	1.47	0.00	1.00	0.00	3.50	89.07	1.42	0.00	1.00	0.00
3.52	87.11	1.37	0.00	1.00	0.00	3.54	85.79	1.35	0.32	1.00	0.01
3.56	85.46	1.34	0.32	1.00	0.01	3.58	85.67	1.34	0.32	1.00	0.01
3.60	86.25	1.35	0.32	1.00	0.01	3.62	86.57	1.35	0.00	1.00	0.00
3.64	86.94	1.36	0.00	1.00	0.00	3.66	87.72	1.37	0.00	1.00	0.00
3.68	89.39	1.40	0.00	1.00	0.00	3.70	91.94	1.46	0.00	1.00	0.00
3.72	94.73	1.52	0.00	1.00	0.00	3.74	97.51	1.58	0.00	1.00	0.00
3.76	99.71	1.64	0.00	1.00	0.00	3.78	101.44	1.68	0.00	1.00	0.00
3.80	102.86	1.72	0.00	1.00	0.00	3.82	104.48	1.76	0.00	1.00	0.00
3.84	106.20	1.81	0.00	1.00	0.00	3.86	108.12	1.87	0.00	1.00	0.00
3.88	110.44	1.94	0.00	1.00	0.00	3.90	113.93	2.00	0.00	1.00	0.00
3.92	118.60	2.00	0.00	1.00	0.00	3.94	124.27	2.00	0.00	1.00	0.00
3.96	130.48	2.00	0.00	1.00	0.00	3.98	136.66	2.00	0.00	1.00	0.00
4.00	141.95	2.00	0.00	1.00	0.00	4.02	146.10	2.00	0.00	1.00	0.00
4.04	149.02	2.00	0.00	1.00	0.00	4.06	150.61	2.00	0.00	1.00	0.00
4.08	150.02	2.00	0.00	1.00	0.00	4.10	146.76	2.00	0.00	1.00	0.00
4.12	139.39	2.00	0.00	1.00	0.00	4.14	129.84	2.00	0.00	1.00	0.00
4.16	114.18	2.00	0.00	1.00	0.00	4.18	94.08	1.46	0.00	1.00	0.00
4.20	71.80	1.06	0.68	1.00	0.01	4.22	75.69	1.11	0.66	1.00	0.01
4.24	91.03	1.39	0.00	1.00	0.00	4.26	104.02	1.71	0.00	1.00	0.00
4.28	108.18	1.83	0.00	1.00	0.00	4.30	113.49	1.99	0.00	1.00	0.00
4.32	118.18	2.00	0.00	1.00	0.00	4.34	120.12	2.00	0.00	1.00	0.00
4.36	125.04	2.00	0.00	1.00	0.00	4.38	134.54	2.00	0.00	1.00	0.00
4.40	140.54	2.00	0.00	1.00	0.00	4.42	141.85	2.00	0.00	1.00	0.00
4.44	140.16	2.00	0.00	1.00	0.00	4.46	138.37	2.00	0.00	1.00	0.00
4.48	138.80	2.00	0.00	1.00	0.00	4.50	140.74	2.00	0.00	1.00	0.00
4.52	143.76	2.00	0.00	1.00	0.00	4.54	147.07	2.00	0.00	1.00	0.00
4.56	149.48	2.00	0.00	1.00	0.00	4.58	149.68	2.00	0.00	1.00	0.00
4.60	147.93	2.00	0.00	1.00	0.00	4.62	146.34	2.00	0.00	1.00	0.00
4.64	146.25	2.00	0.00	1.00	0.00	4.66	147.18	2.00	0.00	1.00	0.00
4.68	148.87	2.00	0.00	1.00	0.00	4.70	150.85	2.00	0.00	1.00	0.00
4.72	154.62	2.00	0.00	1.00	0.00	4.74	153.84	2.00	0.00	1.00	0.00
4.76	148.84	2.00	0.00	1.00	0.00	4.78	139.10	2.00	0.00	1.00	0.00
4.80	131.02	2.00	0.00	1.00	0.00	4.82	122.81	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)
4.84	114.51	1.99	0.00	1.00	0.00	4.86	106.53	1.74	0.00	1.00	0.00
4.88	100.13	1.57	0.00	1.00	0.00	4.90	97.78	1.51	0.00	1.00	0.00
4.92	98.88	1.54	0.00	1.00	0.00	4.94	101.49	1.60	0.00	1.00	0.00
4.96	104.34	1.68	0.00	1.00	0.00	4.98	108.22	1.78	0.00	1.00	0.00
5.00	114.84	1.99	0.00	1.00	0.00	5.02	124.17	2.00	0.00	1.00	0.00
5.04	132.59	2.00	0.00	1.00	0.00	5.06	136.97	2.00	0.00	1.00	0.00
5.08	136.12	2.00	0.00	1.00	0.00	5.10	129.08	2.00	0.00	1.00	0.00
5.12	122.28	2.00	0.00	1.00	0.00	5.14	113.87	1.95	0.00	1.00	0.00
5.16	105.80	1.70	0.00	1.00	0.00	5.18	92.31	1.37	0.00	1.00	0.00
5.20	76.75	1.09	0.65	1.00	0.01	5.22	62.71	0.92	3.13	1.00	0.06
5.24	52.35	0.83	3.97	1.00	0.08	5.26	46.45	0.79	4.38	1.00	0.09
5.28	44.89	0.78	4.51	1.00	0.09	5.30	45.60	0.78	4.45	1.00	0.09
5.32	46.05	0.79	4.41	1.00	0.09	5.34	44.74	0.78	4.52	1.00	0.09
5.36	42.55	0.76	4.71	1.00	0.09	5.38	40.71	0.74	4.88	1.00	0.10
5.40	39.45	0.74	5.01	1.00	0.10	5.42	38.64	0.73	5.10	1.00	0.10
5.44	38.13	0.72	5.15	1.00	0.10	5.46	57.97	0.87	3.65	1.00	0.07
5.48	61.63	0.90	3.21	1.00	0.06	5.50	66.19	0.95	2.89	1.00	0.06
5.52	71.58	1.01	1.21	1.00	0.02	5.54	76.82	1.08	0.65	1.00	0.01
5.56	80.79	1.14	0.63	1.00	0.01	5.58	83.81	1.19	0.46	1.00	0.01
5.60	86.08	1.23	0.45	1.00	0.01	5.62	87.62	1.26	0.32	1.00	0.01
5.64	86.55	1.24	0.45	1.00	0.01	5.66	83.74	1.19	0.46	1.00	0.01
5.68	80.07	1.13	0.64	1.00	0.01	5.70	76.78	1.07	0.65	1.00	0.01
5.72	73.56	1.03	1.18	1.00	0.02	5.74	71.91	1.01	1.20	1.00	0.02
5.76	70.16	0.99	1.23	1.00	0.02	5.78	67.79	0.96	1.27	1.00	0.03
5.80	64.17	0.92	3.02	1.00	0.06	5.82	66.02	2.00	0.00	1.00	0.00
5.84	73.43	2.00	0.00	1.00	0.00	5.86	75.18	2.00	0.00	1.00	0.00
5.88	71.79	2.00	0.00	1.00	0.00	5.90	69.77	0.98	1.23	1.00	0.02
5.92	74.04	1.03	1.17	1.00	0.02	5.94	79.17	1.10	0.64	1.00	0.01
5.96	81.98	2.00	0.00	1.00	0.00	5.98	82.67	2.00	0.00	1.00	0.00
6.00	82.47	2.00	0.00	1.00	0.00	6.02	80.42	2.00	0.00	1.00	0.00
6.04	78.30	2.00	0.00	1.00	0.00	6.06	74.75	2.00	0.00	1.00	0.00
6.08	72.00	2.00	0.00	1.00	0.00	6.10	65.41	2.00	0.00	1.00	0.00
6.12	59.16	2.00	0.00	1.00	0.00	6.14	51.40	2.00	0.00	1.00	0.00
6.16	49.96	0.80	4.13	1.00	0.08	6.18	50.83	0.80	4.07	1.00	0.08
6.20	53.38	0.82	3.91	1.00	0.08	6.22	55.03	2.00	0.00	1.00	0.00
6.24	56.07	2.00	0.00	1.00	0.00	6.26	57.37	2.00	0.00	1.00	0.00
6.28	58.91	2.00	0.00	1.00	0.00	6.30	60.14	2.00	0.00	1.00	0.00
6.32	60.78	0.87	3.28	1.00	0.07	6.34	61.16	0.88	3.25	1.00	0.06
6.36	62.33	0.89	3.16	1.00	0.06	6.38	63.87	0.90	3.04	1.00	0.06
6.40	65.73	2.00	0.00	1.00	0.00	6.42	66.60	0.93	2.86	1.00	0.06
6.44	67.94	0.94	2.78	1.00	0.06	6.46	69.87	0.97	1.23	1.00	0.02
6.48	72.62	1.00	1.19	1.00	0.02	6.50	75.23	1.03	1.15	1.00	0.02
6.52	77.49	2.00	0.00	1.00	0.00	6.54	79.94	2.00	0.00	1.00	0.00
6.56	82.18	2.00	0.00	1.00	0.00	6.58	83.53	2.00	0.00	1.00	0.00
6.60	82.77	2.00	0.00	1.00	0.00	6.62	80.38	2.00	0.00	1.00	0.00
6.64	77.41	2.00	0.00	1.00	0.00	6.66	74.69	1.02	1.16	1.00	0.02
6.68	72.92	1.00	1.19	1.00	0.02	6.70	72.52	0.99	1.19	1.00	0.02
6.72	74.79	2.00	0.00	1.00	0.00	6.74	78.47	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)
6.76	81.89	2.00	0.00	1.00	0.00	6.78	84.32	2.00	0.00	1.00	0.00
6.80	84.61	2.00	0.00	1.00	0.00	6.82	84.12	2.00	0.00	1.00	0.00
6.84	81.23	2.00	0.00	1.00	0.00	6.86	76.56	2.00	0.00	1.00	0.00
6.88	71.03	2.00	0.00	1.00	0.00	6.90	65.94	2.00	0.00	1.00	0.00
6.92	63.36	2.00	0.00	1.00	0.00	6.94	61.60	2.00	0.00	1.00	0.00
6.96	61.58	2.00	0.00	1.00	0.00	6.98	62.77	2.00	0.00	1.00	0.00
7.00	65.51	2.00	0.00	1.00	0.00	7.02	67.79	2.00	0.00	1.00	0.00
7.04	69.49	2.00	0.00	1.00	0.00	7.06	70.14	2.00	0.00	1.00	0.00
7.08	70.43	2.00	0.00	1.00	0.00	7.10	71.03	2.00	0.00	1.00	0.00
7.12	71.00	2.00	0.00	1.00	0.00	7.14	70.72	2.00	0.00	1.00	0.00
7.16	69.24	2.00	0.00	1.00	0.00	7.18	68.03	2.00	0.00	1.00	0.00
7.20	68.15	2.00	0.00	1.00	0.00	7.22	71.00	2.00	0.00	1.00	0.00
7.24	74.36	2.00	0.00	1.00	0.00	7.26	78.31	2.00	0.00	1.00	0.00
7.28	79.77	2.00	0.00	1.00	0.00	7.30	80.26	2.00	0.00	1.00	0.00
7.32	78.85	2.00	0.00	1.00	0.00	7.34	77.83	2.00	0.00	1.00	0.00
7.36	76.98	2.00	0.00	1.00	0.00	7.38	75.41	2.00	0.00	1.00	0.00
7.40	71.88	2.00	0.00	1.00	0.00	7.42	68.39	2.00	0.00	1.00	0.00
7.44	66.03	2.00	0.00	1.00	0.00	7.46	65.41	2.00	0.00	1.00	0.00
7.48	64.16	2.00	0.00	1.00	0.00	7.50	62.91	2.00	0.00	1.00	0.00
7.52	62.93	2.00	0.00	1.00	0.00	7.54	64.18	2.00	0.00	1.00	0.00
7.56	64.85	2.00	0.00	1.00	0.00	7.58	64.32	2.00	0.00	1.00	0.00
7.60	62.66	2.00	0.00	1.00	0.00	7.62	60.23	2.00	0.00	1.00	0.00
7.64	56.83	2.00	0.00	1.00	0.00	7.66	53.24	2.00	0.00	1.00	0.00
7.68	50.02	2.00	0.00	1.00	0.00	7.70	48.03	2.00	0.00	1.00	0.00
7.72	46.95	2.00	0.00	1.00	0.00	7.74	47.03	2.00	0.00	1.00	0.00
7.76	48.55	2.00	0.00	1.00	0.00	7.78	52.34	2.00	0.00	1.00	0.00
7.80	56.78	2.00	0.00	1.00	0.00	7.82	60.19	2.00	0.00	1.00	0.00
7.84	60.93	2.00	0.00	1.00	0.00	7.86	61.24	2.00	0.00	1.00	0.00
7.88	61.69	2.00	0.00	1.00	0.00	7.90	61.89	2.00	0.00	1.00	0.00
7.92	61.26	2.00	0.00	1.00	0.00	7.94	61.60	2.00	0.00	1.00	0.00
7.96	64.69	2.00	0.00	1.00	0.00	7.98	69.98	2.00	0.00	1.00	0.00
8.00	75.29	2.00	0.00	1.00	0.00	8.02	79.63	2.00	0.00	1.00	0.00
8.04	83.43	2.00	0.00	1.00	0.00	8.06	86.73	2.00	0.00	1.00	0.00
8.08	86.88	2.00	0.00	1.00	0.00	8.10	89.58	2.00	0.00	1.00	0.00
8.14	91.36	2.00	0.00	1.00	0.00	8.16	95.12	2.00	0.00	1.00	0.00
8.18	95.09	2.00	0.00	1.00	0.00	8.20	94.54	2.00	0.00	1.00	0.00
8.22	93.75	2.00	0.00	1.00	0.00	8.24	92.67	2.00	0.00	1.00	0.00
8.26	90.83	2.00	0.00	1.00	0.00	8.28	88.84	2.00	0.00	1.00	0.00
8.30	87.31	2.00	0.00	1.00	0.00	8.32	86.70	2.00	0.00	1.00	0.00
8.34	85.82	2.00	0.00	1.00	0.00	8.36	84.17	2.00	0.00	1.00	0.00
8.38	82.69	2.00	0.00	1.00	0.00	8.40	81.64	2.00	0.00	1.00	0.00
8.42	80.29	2.00	0.00	1.00	0.00	8.44	78.05	2.00	0.00	1.00	0.00
8.46	75.22	2.00	0.00	1.00	0.00	8.48	73.23	2.00	0.00	1.00	0.00
8.50	71.53	2.00	0.00	1.00	0.00	8.52	69.97	2.00	0.00	1.00	0.00
8.54	68.14	2.00	0.00	1.00	0.00	8.56	66.40	2.00	0.00	1.00	0.00
8.58	63.94	2.00	0.00	1.00	0.00	8.60	61.23	2.00	0.00	1.00	0.00
8.62	58.53	2.00	0.00	1.00	0.00	8.64	56.35	2.00	0.00	1.00	0.00
8.66	54.11	2.00	0.00	1.00	0.00	8.68	51.27	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)
8.70	47.16	2.00	0.00	1.00	0.00	8.72	43.35	2.00	0.00	1.00	0.00
8.74	41.71	2.00	0.00	1.00	0.00	8.76	44.87	2.00	0.00	1.00	0.00
8.78	49.49	2.00	0.00	1.00	0.00	8.80	54.31	2.00	0.00	1.00	0.00
8.82	58.01	2.00	0.00	1.00	0.00	8.84	61.89	2.00	0.00	1.00	0.00
8.86	65.44	2.00	0.00	1.00	0.00	8.88	68.05	2.00	0.00	1.00	0.00
8.90	69.73	2.00	0.00	1.00	0.00	8.92	70.87	2.00	0.00	1.00	0.00
8.94	71.30	2.00	0.00	1.00	0.00	8.96	71.26	2.00	0.00	1.00	0.00
8.98	70.86	2.00	0.00	1.00	0.00	9.00	70.89	2.00	0.00	1.00	0.00
9.02	70.83	2.00	0.00	1.00	0.00	9.04	70.90	2.00	0.00	1.00	0.00
9.06	71.47	2.00	0.00	1.00	0.00	9.08	73.39	2.00	0.00	1.00	0.00
9.10	75.50	2.00	0.00	1.00	0.00	9.12	77.67	2.00	0.00	1.00	0.00
9.14	79.09	2.00	0.00	1.00	0.00	9.16	80.48	2.00	0.00	1.00	0.00
9.18	81.49	2.00	0.00	1.00	0.00	9.20	81.65	2.00	0.00	1.00	0.00
9.22	81.00	2.00	0.00	1.00	0.00	9.24	79.64	2.00	0.00	1.00	0.00
9.26	78.41	2.00	0.00	1.00	0.00	9.28	76.79	2.00	0.00	1.00	0.00
9.30	75.40	2.00	0.00	1.00	0.00	9.32	74.06	2.00	0.00	1.00	0.00
9.34	73.03	2.00	0.00	1.00	0.00	9.36	72.27	2.00	0.00	1.00	0.00
9.38	72.04	2.00	0.00	1.00	0.00	9.40	71.88	2.00	0.00	1.00	0.00
9.42	71.64	2.00	0.00	1.00	0.00	9.44	70.63	2.00	0.00	1.00	0.00
9.46	70.09	2.00	0.00	1.00	0.00	9.48	69.93	2.00	0.00	1.00	0.00
9.50	70.22	2.00	0.00	1.00	0.00	9.52	70.33	2.00	0.00	1.00	0.00
9.54	70.18	2.00	0.00	1.00	0.00	9.56	69.84	2.00	0.00	1.00	0.00
9.58	69.33	2.00	0.00	1.00	0.00	9.60	68.56	2.00	0.00	1.00	0.00
9.62	67.61	2.00	0.00	1.00	0.00	9.64	66.15	2.00	0.00	1.00	0.00
9.66	64.18	2.00	0.00	1.00	0.00	9.68	62.32	2.00	0.00	1.00	0.00
9.70	61.21	2.00	0.00	1.00	0.00	9.72	60.80	2.00	0.00	1.00	0.00
9.74	60.35	2.00	0.00	1.00	0.00	9.76	59.76	2.00	0.00	1.00	0.00
9.78	59.33	2.00	0.00	1.00	0.00	9.80	59.52	2.00	0.00	1.00	0.00
9.82	59.87	2.00	0.00	1.00	0.00	9.84	59.87	2.00	0.00	1.00	0.00
9.86	59.49	2.00	0.00	1.00	0.00	9.88	59.08	2.00	0.00	1.00	0.00
9.90	58.70	2.00	0.00	1.00	0.00	9.92	58.36	2.00	0.00	1.00	0.00
9.94	58.08	2.00	0.00	1.00	0.00	9.96	58.10	2.00	0.00	1.00	0.00
9.98	58.25	2.00	0.00	1.00	0.00	10.00	58.26	2.00	0.00	1.00	0.00
10.02	58.09	2.00	0.00	1.00	0.00	10.04	58.00	2.00	0.00	1.00	0.00
10.06	57.73	2.00	0.00	1.00	0.00	10.08	56.71	2.00	0.00	1.00	0.00
10.10	55.70	2.00	0.00	1.00	0.00	10.12	54.26	2.00	0.00	1.00	0.00
10.14	53.37	2.00	0.00	1.00	0.00	10.16	51.97	2.00	0.00	1.00	0.00
10.18	51.36	2.00	0.00	1.00	0.00	10.20	51.41	2.00	0.00	1.00	0.00
10.22	51.83	2.00	0.00	1.00	0.00	10.24	52.17	2.00	0.00	1.00	0.00
10.26	52.68	2.00	0.00	1.00	0.00	10.28	54.34	2.00	0.00	1.00	0.00
10.30	57.62	2.00	0.00	1.00	0.00	10.32	61.49	2.00	0.00	1.00	0.00
10.34	65.57	2.00	0.00	1.00	0.00	10.36	69.15	2.00	0.00	1.00	0.00
10.38	72.74	2.00	0.00	1.00	0.00	10.40	75.89	2.00	0.00	1.00	0.00
10.42	77.69	2.00	0.00	1.00	0.00	10.44	78.55	2.00	0.00	1.00	0.00
10.46	78.60	2.00	0.00	1.00	0.00	10.48	78.75	2.00	0.00	1.00	0.00
10.50	78.66	2.00	0.00	1.00	0.00	10.52	78.19	2.00	0.00	1.00	0.00
10.54	77.65	2.00	0.00	1.00	0.00	10.56	77.48	2.00	0.00	1.00	0.00
10.58	77.52	2.00	0.00	1.00	0.00	10.60	77.43	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)
10.62	76.68	2.00	0.00	1.00	0.00	10.64	75.98	2.00	0.00	1.00	0.00
10.66	75.37	2.00	0.00	1.00	0.00	10.68	74.85	2.00	0.00	1.00	0.00
10.70	74.23	2.00	0.00	1.00	0.00	10.72	73.87	2.00	0.00	1.00	0.00
10.74	73.79	2.00	0.00	1.00	0.00	10.76	73.46	2.00	0.00	1.00	0.00
10.78	73.25	2.00	0.00	1.00	0.00	10.80	73.00	2.00	0.00	1.00	0.00
10.82	73.10	2.00	0.00	1.00	0.00	10.84	72.01	2.00	0.00	1.00	0.00
10.86	70.49	2.00	0.00	1.00	0.00	10.88	69.47	2.00	0.00	1.00	0.00
10.90	69.11	2.00	0.00	1.00	0.00	10.92	70.34	2.00	0.00	1.00	0.00
10.94	71.01	2.00	0.00	1.00	0.00	10.96	72.43	2.00	0.00	1.00	0.00
10.98	73.07	2.00	0.00	1.00	0.00	11.00	73.95	2.00	0.00	1.00	0.00
11.02	74.06	2.00	0.00	1.00	0.00	11.04	73.25	2.00	0.00	1.00	0.00
11.06	71.73	2.00	0.00	1.00	0.00	11.08	70.82	2.00	0.00	1.00	0.00
11.10	70.45	2.00	0.00	1.00	0.00	11.12	70.63	2.00	0.00	1.00	0.00
11.14	70.66	2.00	0.00	1.00	0.00	11.16	70.97	2.00	0.00	1.00	0.00
11.18	71.26	2.00	0.00	1.00	0.00	11.20	71.19	2.00	0.00	1.00	0.00
11.22	70.71	2.00	0.00	1.00	0.00	11.24	70.20	2.00	0.00	1.00	0.00
11.26	69.68	2.00	0.00	1.00	0.00	11.28	69.61	2.00	0.00	1.00	0.00
11.30	69.24	2.00	0.00	1.00	0.00	11.32	68.58	2.00	0.00	1.00	0.00
11.34	67.29	2.00	0.00	1.00	0.00	11.36	65.82	2.00	0.00	1.00	0.00
11.38	64.80	2.00	0.00	1.00	0.00	11.40	63.79	2.00	0.00	1.00	0.00
11.42	62.88	2.00	0.00	1.00	0.00	11.44	62.21	2.00	0.00	1.00	0.00
11.46	60.98	2.00	0.00	1.00	0.00	11.48	59.51	2.00	0.00	1.00	0.00
11.50	57.74	2.00	0.00	1.00	0.00	11.52	56.80	2.00	0.00	1.00	0.00
11.54	56.32	2.00	0.00	1.00	0.00	11.56	56.08	2.00	0.00	1.00	0.00
11.58	55.33	2.00	0.00	1.00	0.00	11.60	54.43	2.00	0.00	1.00	0.00
11.62	54.54	2.00	0.00	1.00	0.00	11.64	56.56	2.00	0.00	1.00	0.00
11.66	59.78	2.00	0.00	1.00	0.00	11.68	62.53	2.00	0.00	1.00	0.00
11.70	64.14	2.00	0.00	1.00	0.00	11.72	65.14	2.00	0.00	1.00	0.00
11.74	65.92	2.00	0.00	1.00	0.00	11.76	65.82	2.00	0.00	1.00	0.00
11.78	64.77	2.00	0.00	1.00	0.00	11.80	62.92	2.00	0.00	1.00	0.00
11.82	61.23	2.00	0.00	1.00	0.00	11.84	59.61	2.00	0.00	1.00	0.00
11.86	58.19	2.00	0.00	1.00	0.00	11.88	56.83	2.00	0.00	1.00	0.00
11.90	55.94	2.00	0.00	1.00	0.00	11.92	55.19	2.00	0.00	1.00	0.00
11.94	54.64	2.00	0.00	1.00	0.00	11.96	54.37	2.00	0.00	1.00	0.00
11.98	54.36	2.00	0.00	1.00	0.00	12.00	54.20	2.00	0.00	1.00	0.00
12.02	53.49	2.00	0.00	1.00	0.00	12.04	51.28	2.00	0.00	1.00	0.00
12.06	49.63	2.00	0.00	1.00	0.00	12.08	47.43	2.00	0.00	1.00	0.00
12.10	46.08	2.00	0.00	1.00	0.00	12.12	43.66	2.00	0.00	1.00	0.00
12.14	41.75	2.00	0.00	1.00	0.00	12.16	40.48	2.00	0.00	1.00	0.00
12.18	39.82	2.00	0.00	1.00	0.00	12.20	39.49	2.00	0.00	1.00	0.00
12.22	39.11	2.00	0.00	1.00	0.00	12.24	38.27	2.00	0.00	1.00	0.00
12.26	37.43	2.00	0.00	1.00	0.00	12.28	37.92	2.00	0.00	1.00	0.00
12.30	39.26	2.00	0.00	1.00	0.00	12.32	40.27	2.00	0.00	1.00	0.00
12.34	40.50	2.00	0.00	1.00	0.00	12.36	41.16	2.00	0.00	1.00	0.00
12.38	42.00	2.00	0.00	1.00	0.00	12.40	43.13	2.00	0.00	1.00	0.00
12.42	44.24	2.00	0.00	1.00	0.00	12.44	46.83	2.00	0.00	1.00	0.00
12.46	49.98	2.00	0.00	1.00	0.00	12.48	53.68	2.00	0.00	1.00	0.00
12.50	56.35	2.00	0.00	1.00	0.00	12.52	58.56	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)
12.54	59.85	2.00	0.00	1.00	0.00	12.56	60.64	2.00	0.00	1.00	0.00
12.58	60.37	2.00	0.00	1.00	0.00	12.60	59.73	2.00	0.00	1.00	0.00
12.62	59.36	2.00	0.00	1.00	0.00	12.64	59.59	2.00	0.00	1.00	0.00
12.66	60.14	2.00	0.00	1.00	0.00	12.68	60.89	2.00	0.00	1.00	0.00
12.70	62.26	2.00	0.00	1.00	0.00	12.72	63.62	2.00	0.00	1.00	0.00
12.74	64.09	2.00	0.00	1.00	0.00	12.76	63.76	2.00	0.00	1.00	0.00
12.78	63.32	2.00	0.00	1.00	0.00	12.80	63.50	2.00	0.00	1.00	0.00
12.82	63.18	2.00	0.00	1.00	0.00	12.84	63.00	2.00	0.00	1.00	0.00
12.86	62.76	2.00	0.00	1.00	0.00	12.88	63.01	2.00	0.00	1.00	0.00
12.90	62.68	2.00	0.00	1.00	0.00	12.92	62.12	2.00	0.00	1.00	0.00
12.94	61.48	2.00	0.00	1.00	0.00	12.96	61.10	2.00	0.00	1.00	0.00
12.98	60.69	2.00	0.00	1.00	0.00	13.00	59.92	2.00	0.00	1.00	0.00
13.02	58.63	2.00	0.00	1.00	0.00	13.04	56.71	2.00	0.00	1.00	0.00
13.08	54.69	2.00	0.00	1.00	0.00	13.10	53.04	2.00	0.00	1.00	0.00
13.12	52.18	2.00	0.00	1.00	0.00	13.14	51.96	2.00	0.00	1.00	0.00
13.16	51.90	2.00	0.00	1.00	0.00	13.18	51.67	2.00	0.00	1.00	0.00
13.20	50.58	2.00	0.00	1.00	0.00	13.22	49.62	2.00	0.00	1.00	0.00
13.24	49.43	2.00	0.00	1.00	0.00	13.26	50.13	2.00	0.00	1.00	0.00
13.28	50.57	2.00	0.00	1.00	0.00	13.30	50.30	2.00	0.00	1.00	0.00
13.32	50.15	2.00	0.00	1.00	0.00	13.34	50.31	2.00	0.00	1.00	0.00
13.36	50.08	2.00	0.00	1.00	0.00	13.38	49.16	2.00	0.00	1.00	0.00
13.40	47.61	2.00	0.00	1.00	0.00	13.42	46.49	2.00	0.00	1.00	0.00
13.44	45.64	2.00	0.00	1.00	0.00	13.46	45.43	2.00	0.00	1.00	0.00
13.48	44.71	2.00	0.00	1.00	0.00	13.50	43.77	2.00	0.00	1.00	0.00
13.52	42.44	2.00	0.00	1.00	0.00	13.54	41.69	2.00	0.00	1.00	0.00
13.56	41.03	2.00	0.00	1.00	0.00	13.58	40.36	2.00	0.00	1.00	0.00
13.60	39.56	2.00	0.00	1.00	0.00	13.62	39.10	2.00	0.00	1.00	0.00
13.64	38.81	2.00	0.00	1.00	0.00	13.66	39.49	2.00	0.00	1.00	0.00
13.68	39.27	2.00	0.00	1.00	0.00	13.70	39.40	0.75	5.01	1.00	0.10
13.72	40.14	0.76	4.94	1.00	0.10	13.74	43.41	2.00	0.00	1.00	0.00
13.76	47.02	2.00	0.00	1.00	0.00	13.78	48.04	2.00	0.00	1.00	0.00
13.80	48.04	2.00	0.00	1.00	0.00	13.82	47.97	2.00	0.00	1.00	0.00
13.84	49.35	2.00	0.00	1.00	0.00	13.86	49.78	2.00	0.00	1.00	0.00
13.88	49.52	2.00	0.00	1.00	0.00	13.90	48.08	2.00	0.00	1.00	0.00
13.92	46.61	2.00	0.00	1.00	0.00	13.94	44.70	2.00	0.00	1.00	0.00
13.96	43.97	2.00	0.00	1.00	0.00	13.98	44.01	2.00	0.00	1.00	0.00
14.00	44.33	2.00	0.00	1.00	0.00	14.02	44.50	2.00	0.00	1.00	0.00
14.04	46.74	2.00	0.00	1.00	0.00	14.08	49.08	2.00	0.00	1.00	0.00
14.10	51.48	2.00	0.00	1.00	0.00	14.12	51.45	2.00	0.00	1.00	0.00
14.14	51.32	2.00	0.00	1.00	0.00	14.16	50.76	2.00	0.00	1.00	0.00
14.18	50.98	2.00	0.00	1.00	0.00	14.20	50.92	2.00	0.00	1.00	0.00
14.22	51.03	2.00	0.00	1.00	0.00	14.24	50.14	2.00	0.00	1.00	0.00
14.26	49.39	2.00	0.00	1.00	0.00	14.28	48.81	2.00	0.00	1.00	0.00
14.30	48.66	2.00	0.00	1.00	0.00	14.32	48.73	2.00	0.00	1.00	0.00
14.34	48.50	2.00	0.00	1.00	0.00	14.36	48.78	2.00	0.00	1.00	0.00
14.38	49.22	2.00	0.00	1.00	0.00	14.40	49.97	2.00	0.00	1.00	0.00
14.42	50.58	2.00	0.00	1.00	0.00	14.44	50.83	2.00	0.00	1.00	0.00
14.46	51.23	2.00	0.00	1.00	0.00	14.48	51.47	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)
14.50	51.73	2.00	0.00	1.00	0.00	14.52	51.55	2.00	0.00	1.00	0.00
14.54	51.22	2.00	0.00	1.00	0.00	14.56	51.38	2.00	0.00	1.00	0.00
14.58	51.62	2.00	0.00	1.00	0.00	14.60	51.89	2.00	0.00	1.00	0.00
14.62	51.50	2.00	0.00	1.00	0.00	14.64	51.37	2.00	0.00	1.00	0.00
14.66	51.69	2.00	0.00	1.00	0.00	14.68	52.63	2.00	0.00	1.00	0.00
14.70	53.63	2.00	0.00	1.00	0.00	14.72	54.22	2.00	0.00	1.00	0.00
14.74	54.70	2.00	0.00	1.00	0.00	14.76	55.30	2.00	0.00	1.00	0.00
14.78	56.13	2.00	0.00	1.00	0.00	14.80	56.44	2.00	0.00	1.00	0.00
14.82	56.15	2.00	0.00	1.00	0.00	14.84	55.18	2.00	0.00	1.00	0.00
14.86	54.71	2.00	0.00	1.00	0.00	14.88	54.37	2.00	0.00	1.00	0.00
14.90	54.49	2.00	0.00	1.00	0.00	14.92	54.85	2.00	0.00	1.00	0.00
14.94	55.30	2.00	0.00	1.00	0.00	14.96	56.18	2.00	0.00	1.00	0.00
14.98	56.82	2.00	0.00	1.00	0.00	15.00	57.44	2.00	0.00	1.00	0.00

Total estimated settlement: 3.34

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

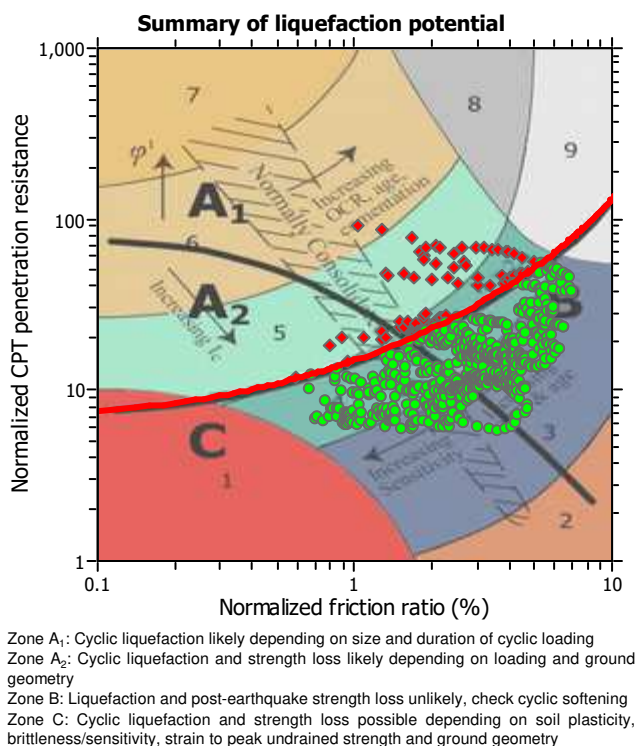
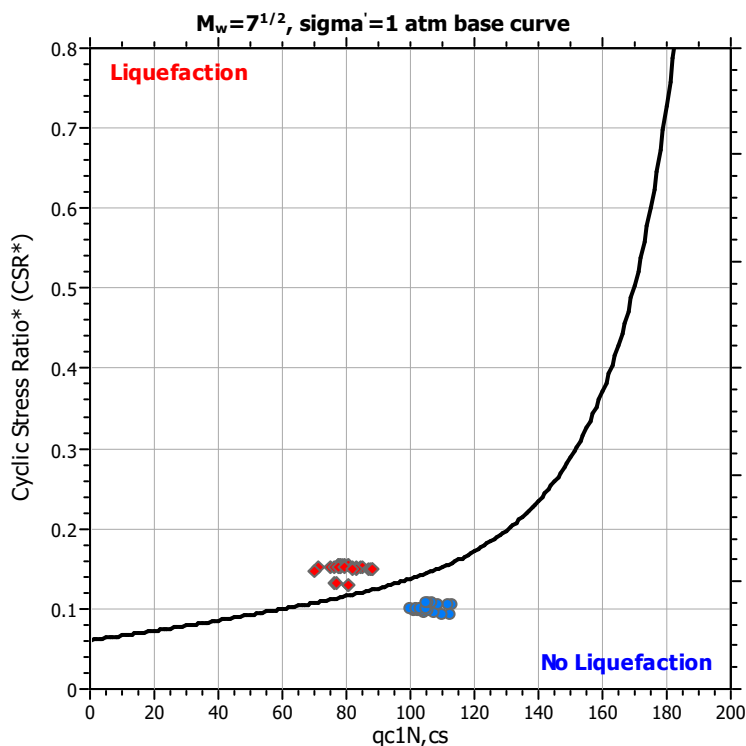
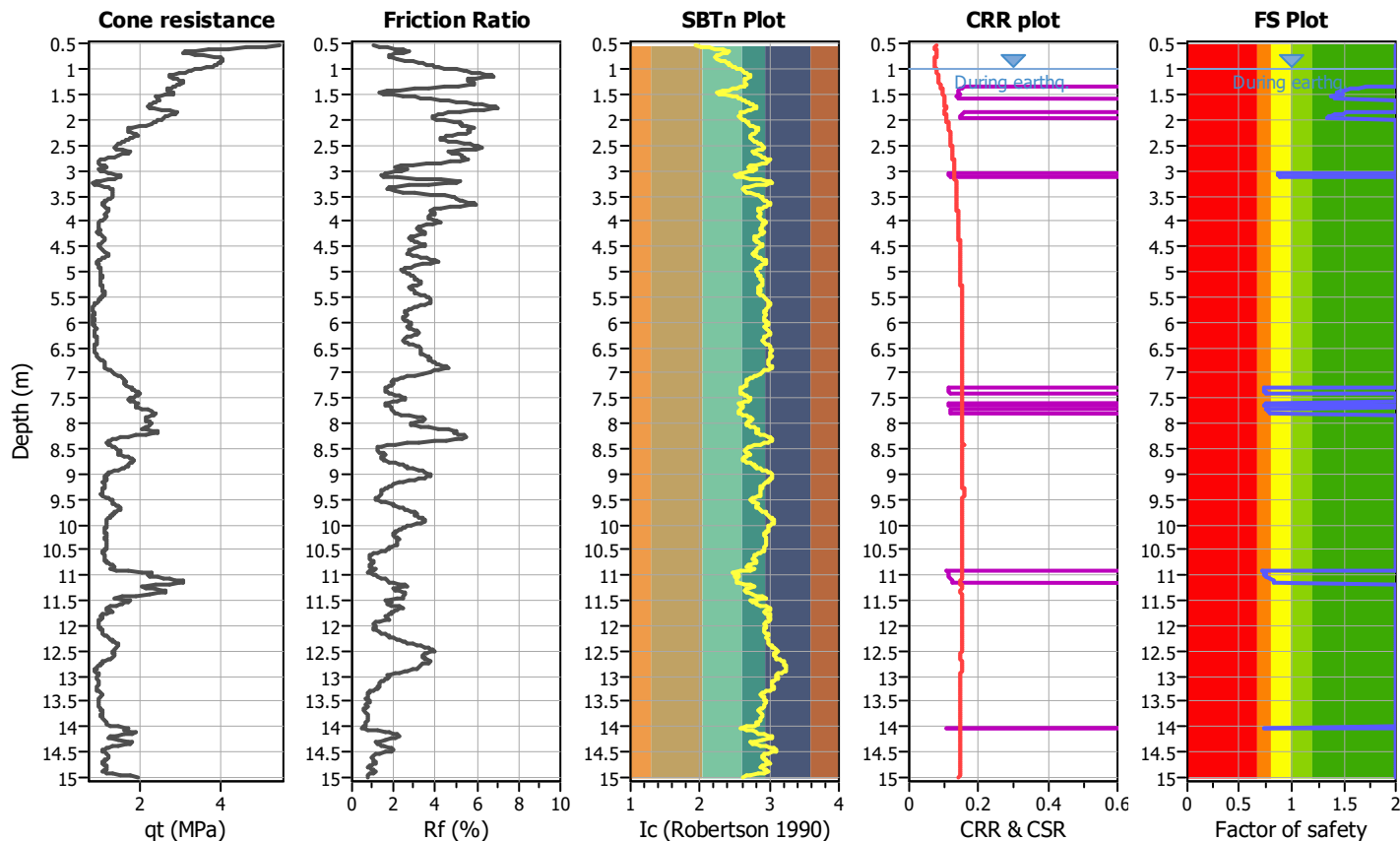
Project title :

Location :

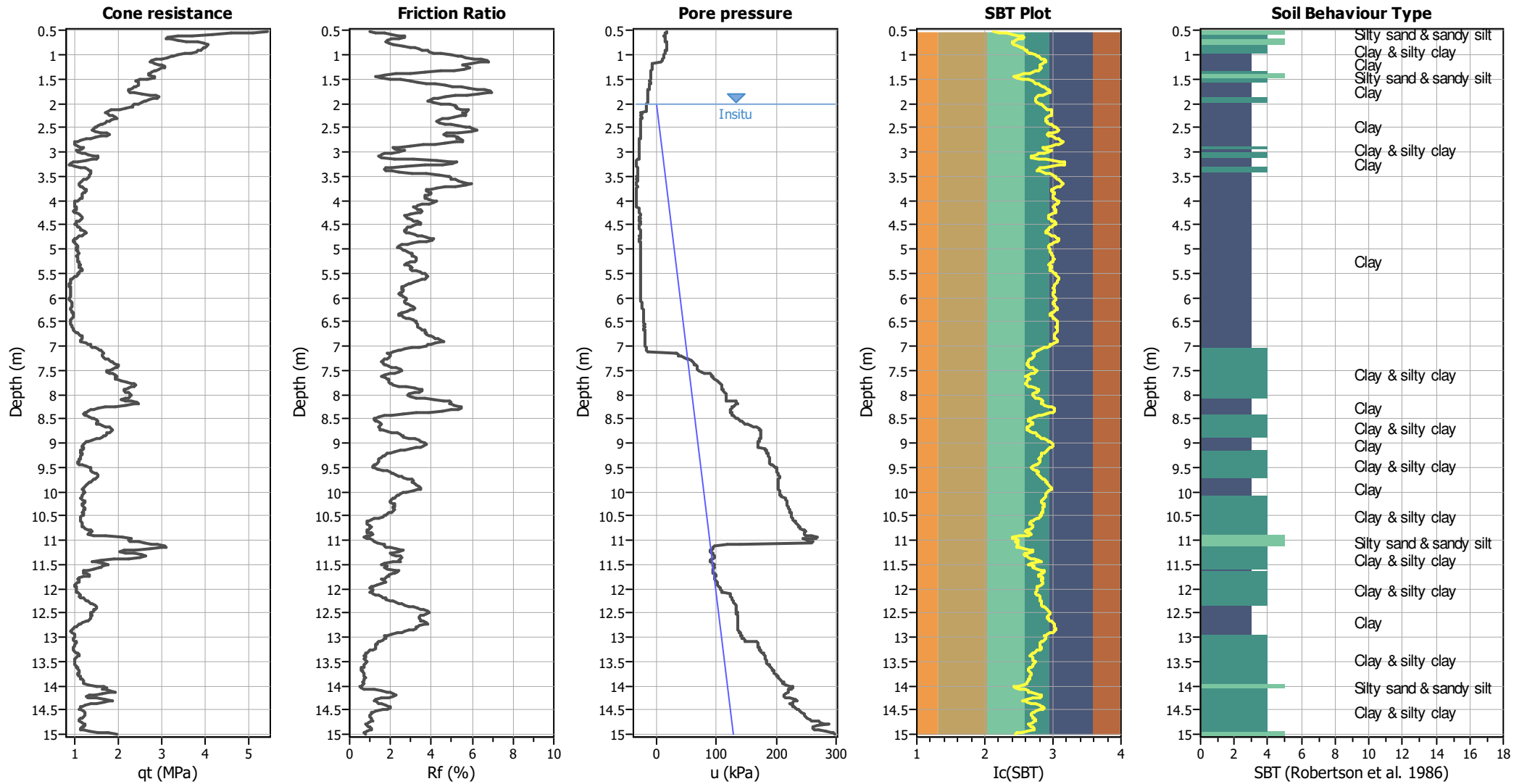
CPT file : CPTU 3

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.00 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	No
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	N/A
Peak ground acceleration:	0.16	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



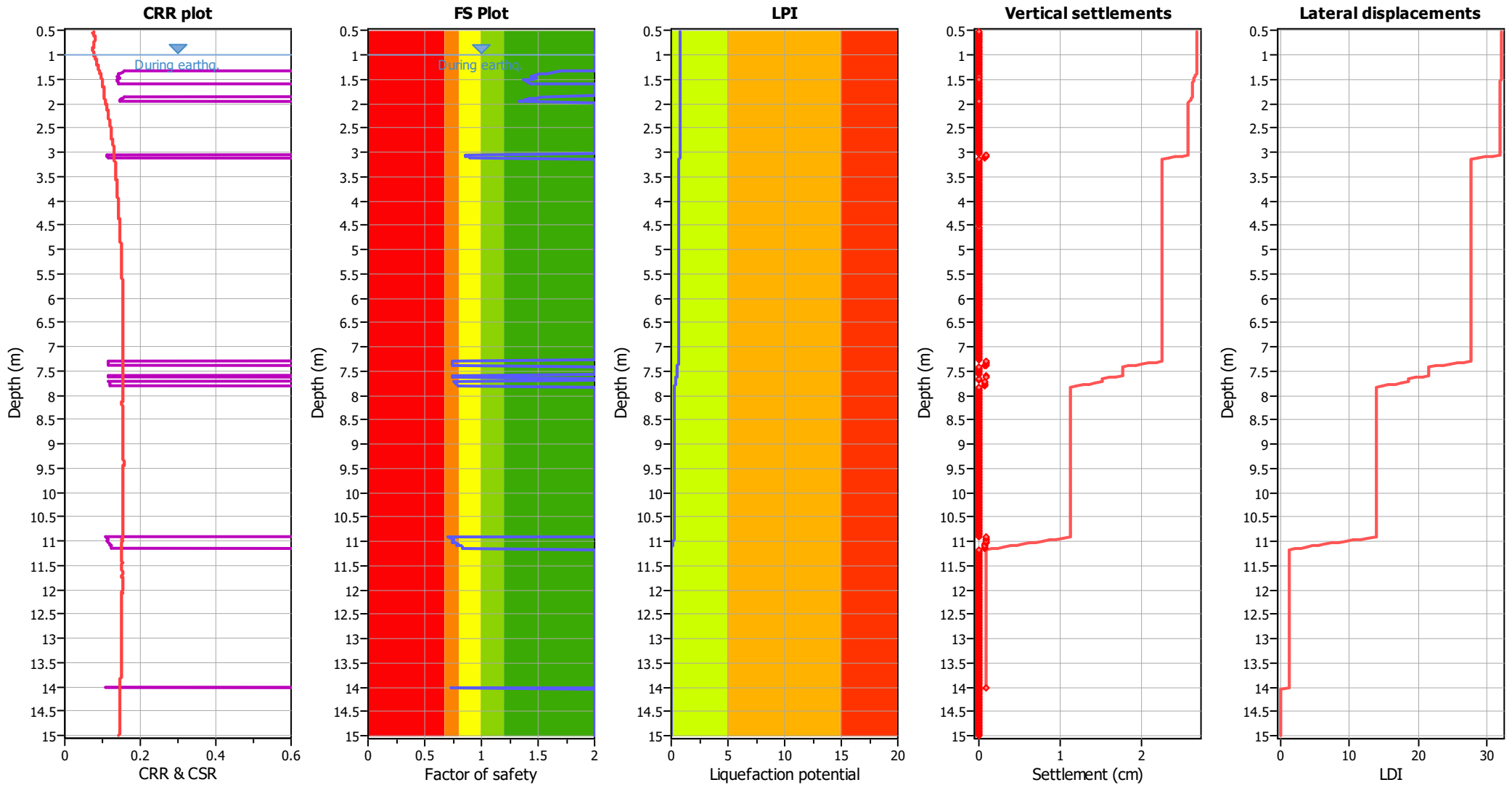
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _q applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.00 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_{σ} applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.16	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	2.00 m	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Liquefaction Potential Index calculation data ::											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
0.52	2.00	0.00	9.74	0.02	0.00	0.54	2.00	0.00	9.73	0.02	0.00
0.56	2.00	0.00	9.72	0.02	0.00	0.58	2.00	0.00	9.71	0.02	0.00
0.60	2.00	0.00	9.70	0.02	0.00	0.62	2.00	0.00	9.69	0.02	0.00
0.64	2.00	0.00	9.68	0.02	0.00	0.66	2.00	0.00	9.67	0.02	0.00
0.68	2.00	0.00	9.66	0.02	0.00	0.70	2.00	0.00	9.65	0.02	0.00
0.72	2.00	0.00	9.64	0.02	0.00	0.74	2.00	0.00	9.63	0.02	0.00
0.76	2.00	0.00	9.62	0.02	0.00	0.78	2.00	0.00	9.61	0.02	0.00
0.82	2.00	0.00	9.59	0.04	0.00	0.84	2.00	0.00	9.58	0.02	0.00
0.86	2.00	0.00	9.57	0.02	0.00	0.88	2.00	0.00	9.56	0.02	0.00
0.90	2.00	0.00	9.55	0.02	0.00	0.92	2.00	0.00	9.54	0.02	0.00
0.94	2.00	0.00	9.53	0.02	0.00	0.96	2.00	0.00	9.52	0.02	0.00
0.98	2.00	0.00	9.51	0.02	0.00	1.00	2.00	0.00	9.50	0.02	0.00
1.02	2.00	0.00	9.49	0.02	0.00	1.04	2.00	0.00	9.48	0.02	0.00
1.06	2.00	0.00	9.47	0.02	0.00	1.08	2.00	0.00	9.46	0.02	0.00
1.10	2.00	0.00	9.45	0.02	0.00	1.12	2.00	0.00	9.44	0.02	0.00
1.14	2.00	0.00	9.43	0.02	0.00	1.16	2.00	0.00	9.42	0.02	0.00
1.18	2.00	0.00	9.41	0.02	0.00	1.20	2.00	0.00	9.40	0.02	0.00
1.22	2.00	0.00	9.39	0.02	0.00	1.24	2.00	0.00	9.38	0.02	0.00
1.26	2.00	0.00	9.37	0.02	0.00	1.28	2.00	0.00	9.36	0.02	0.00
1.30	2.00	0.00	9.35	0.02	0.00	1.32	2.00	0.00	9.34	0.02	0.00
1.34	1.71	0.00	9.33	0.02	0.00	1.36	1.64	0.00	9.32	0.02	0.00
1.38	1.57	0.00	9.31	0.02	0.00	1.40	1.51	0.00	9.30	0.02	0.00
1.42	1.47	0.00	9.29	0.02	0.00	1.44	1.43	0.00	9.28	0.02	0.00
1.46	1.45	0.00	9.27	0.02	0.00	1.48	1.49	0.00	9.26	0.02	0.00
1.50	1.45	0.00	9.25	0.02	0.00	1.52	1.38	0.00	9.24	0.02	0.00
1.54	1.40	0.00	9.23	0.02	0.00	1.56	1.41	0.00	9.22	0.02	0.00
1.58	1.44	0.00	9.21	0.02	0.00	1.60	2.00	0.00	9.20	0.02	0.00
1.62	2.00	0.00	9.19	0.02	0.00	1.64	2.00	0.00	9.18	0.02	0.00
1.66	2.00	0.00	9.17	0.02	0.00	1.68	2.00	0.00	9.16	0.02	0.00
1.70	2.00	0.00	9.15	0.02	0.00	1.72	2.00	0.00	9.14	0.02	0.00
1.74	2.00	0.00	9.13	0.02	0.00	1.76	2.00	0.00	9.12	0.02	0.00
1.78	2.00	0.00	9.11	0.02	0.00	1.80	2.00	0.00	9.10	0.02	0.00
1.82	2.00	0.00	9.09	0.02	0.00	1.84	2.00	0.00	9.08	0.02	0.00
1.86	1.53	0.00	9.07	0.02	0.00	1.88	1.48	0.00	9.06	0.02	0.00
1.90	1.42	0.00	9.05	0.02	0.00	1.92	1.38	0.00	9.04	0.02	0.00
1.94	1.35	0.00	9.03	0.02	0.00	1.96	1.34	0.00	9.02	0.02	0.00
1.98	2.00	0.00	9.01	0.02	0.00	2.00	2.00	0.00	9.00	0.02	0.00
2.02	2.00	0.00	8.99	0.02	0.00	2.04	2.00	0.00	8.98	0.02	0.00
2.06	2.00	0.00	8.97	0.02	0.00	2.08	2.00	0.00	8.96	0.02	0.00
2.10	2.00	0.00	8.95	0.02	0.00	2.12	2.00	0.00	8.94	0.02	0.00
2.14	2.00	0.00	8.93	0.02	0.00	2.16	2.00	0.00	8.92	0.02	0.00
2.18	2.00	0.00	8.91	0.02	0.00	2.20	2.00	0.00	8.90	0.02	0.00
2.22	2.00	0.00	8.89	0.02	0.00	2.24	2.00	0.00	8.88	0.02	0.00
2.26	2.00	0.00	8.87	0.02	0.00	2.28	2.00	0.00	8.86	0.02	0.00
2.30	2.00	0.00	8.85	0.02	0.00	2.32	2.00	0.00	8.84	0.02	0.00
2.34	2.00	0.00	8.83	0.02	0.00	2.36	2.00	0.00	8.82	0.02	0.00
2.38	2.00	0.00	8.81	0.02	0.00	2.40	2.00	0.00	8.80	0.02	0.00
2.42	2.00	0.00	8.79	0.02	0.00	2.44	2.00	0.00	8.78	0.02	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
2.46	2.00	0.00	8.77	0.02	0.00	2.48	2.00	0.00	8.76	0.02	0.00
2.50	2.00	0.00	8.75	0.02	0.00	2.52	2.00	0.00	8.74	0.02	0.00
2.54	2.00	0.00	8.73	0.02	0.00	2.56	2.00	0.00	8.72	0.02	0.00
2.58	2.00	0.00	8.71	0.02	0.00	2.60	2.00	0.00	8.70	0.02	0.00
2.62	2.00	0.00	8.69	0.02	0.00	2.64	2.00	0.00	8.68	0.02	0.00
2.66	2.00	0.00	8.67	0.02	0.00	2.68	2.00	0.00	8.66	0.02	0.00
2.70	2.00	0.00	8.65	0.02	0.00	2.72	2.00	0.00	8.64	0.02	0.00
2.74	2.00	0.00	8.63	0.02	0.00	2.76	2.00	0.00	8.62	0.02	0.00
2.78	2.00	0.00	8.61	0.02	0.00	2.80	2.00	0.00	8.60	0.02	0.00
2.82	2.00	0.00	8.59	0.02	0.00	2.84	2.00	0.00	8.58	0.02	0.00
2.86	2.00	0.00	8.57	0.02	0.00	2.88	2.00	0.00	8.56	0.02	0.00
2.90	2.00	0.00	8.55	0.02	0.00	2.92	2.00	0.00	8.54	0.02	0.00
2.94	2.00	0.00	8.53	0.02	0.00	2.96	2.00	0.00	8.52	0.02	0.00
2.98	2.00	0.00	8.51	0.02	0.00	3.00	2.00	0.00	8.50	0.02	0.00
3.02	2.00	0.00	8.49	0.02	0.00	3.04	2.00	0.00	8.48	0.02	0.00
3.06	0.86	0.14	8.47	0.02	0.02	3.08	0.86	0.14	8.46	0.02	0.02
3.10	0.89	0.11	8.45	0.02	0.02	3.12	0.89	0.11	8.44	0.02	0.02
3.14	2.00	0.00	8.43	0.02	0.00	3.16	2.00	0.00	8.42	0.02	0.00
3.18	2.00	0.00	8.41	0.02	0.00	3.20	2.00	0.00	8.40	0.02	0.00
3.22	2.00	0.00	8.39	0.02	0.00	3.24	2.00	0.00	8.38	0.02	0.00
3.26	2.00	0.00	8.37	0.02	0.00	3.28	2.00	0.00	8.36	0.02	0.00
3.30	2.00	0.00	8.35	0.02	0.00	3.32	2.00	0.00	8.34	0.02	0.00
3.34	2.00	0.00	8.33	0.02	0.00	3.36	2.00	0.00	8.32	0.02	0.00
3.38	2.00	0.00	8.31	0.02	0.00	3.40	2.00	0.00	8.30	0.02	0.00
3.42	2.00	0.00	8.29	0.02	0.00	3.44	2.00	0.00	8.28	0.02	0.00
3.46	2.00	0.00	8.27	0.02	0.00	3.48	2.00	0.00	8.26	0.02	0.00
3.50	2.00	0.00	8.25	0.02	0.00	3.52	2.00	0.00	8.24	0.02	0.00
3.54	2.00	0.00	8.23	0.02	0.00	3.56	2.00	0.00	8.22	0.02	0.00
3.58	2.00	0.00	8.21	0.02	0.00	3.60	2.00	0.00	8.20	0.02	0.00
3.62	2.00	0.00	8.19	0.02	0.00	3.64	2.00	0.00	8.18	0.02	0.00
3.66	2.00	0.00	8.17	0.02	0.00	3.68	2.00	0.00	8.16	0.02	0.00
3.70	2.00	0.00	8.15	0.02	0.00	3.72	2.00	0.00	8.14	0.02	0.00
3.74	2.00	0.00	8.13	0.02	0.00	3.76	2.00	0.00	8.12	0.02	0.00
3.78	2.00	0.00	8.11	0.02	0.00	3.80	2.00	0.00	8.10	0.02	0.00
3.82	2.00	0.00	8.09	0.02	0.00	3.84	2.00	0.00	8.08	0.02	0.00
3.86	2.00	0.00	8.07	0.02	0.00	3.88	2.00	0.00	8.06	0.02	0.00
3.90	2.00	0.00	8.05	0.02	0.00	3.92	2.00	0.00	8.04	0.02	0.00
3.94	2.00	0.00	8.03	0.02	0.00	3.96	2.00	0.00	8.02	0.02	0.00
3.98	2.00	0.00	8.01	0.02	0.00	4.00	2.00	0.00	8.00	0.02	0.00
4.02	2.00	0.00	7.99	0.02	0.00	4.04	2.00	0.00	7.98	0.02	0.00
4.06	2.00	0.00	7.97	0.02	0.00	4.08	2.00	0.00	7.96	0.02	0.00
4.10	2.00	0.00	7.95	0.02	0.00	4.12	2.00	0.00	7.94	0.02	0.00
4.14	2.00	0.00	7.93	0.02	0.00	4.16	2.00	0.00	7.92	0.02	0.00
4.18	2.00	0.00	7.91	0.02	0.00	4.20	2.00	0.00	7.90	0.02	0.00
4.22	2.00	0.00	7.89	0.02	0.00	4.24	2.00	0.00	7.88	0.02	0.00
4.26	2.00	0.00	7.87	0.02	0.00	4.28	2.00	0.00	7.86	0.02	0.00
4.30	2.00	0.00	7.85	0.02	0.00	4.32	2.00	0.00	7.84	0.02	0.00
4.34	2.00	0.00	7.83	0.02	0.00	4.36	2.00	0.00	7.82	0.02	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
4.38	2.00	0.00	7.81	0.02	0.00	4.40	2.00	0.00	7.80	0.02	0.00
4.42	2.00	0.00	7.79	0.02	0.00	4.44	2.00	0.00	7.78	0.02	0.00
4.46	2.00	0.00	7.77	0.02	0.00	4.48	2.00	0.00	7.76	0.02	0.00
4.50	2.00	0.00	7.75	0.02	0.00	4.54	2.00	0.00	7.73	0.04	0.00
4.56	2.00	0.00	7.72	0.02	0.00	4.58	2.00	0.00	7.71	0.02	0.00
4.60	2.00	0.00	7.70	0.02	0.00	4.62	2.00	0.00	7.69	0.02	0.00
4.64	2.00	0.00	7.68	0.02	0.00	4.66	2.00	0.00	7.67	0.02	0.00
4.68	2.00	0.00	7.66	0.02	0.00	4.70	2.00	0.00	7.65	0.02	0.00
4.72	2.00	0.00	7.64	0.02	0.00	4.74	2.00	0.00	7.63	0.02	0.00
4.76	2.00	0.00	7.62	0.02	0.00	4.78	2.00	0.00	7.61	0.02	0.00
4.80	2.00	0.00	7.60	0.02	0.00	4.82	2.00	0.00	7.59	0.02	0.00
4.84	2.00	0.00	7.58	0.02	0.00	4.86	2.00	0.00	7.57	0.02	0.00
4.88	2.00	0.00	7.56	0.02	0.00	4.90	2.00	0.00	7.55	0.02	0.00
4.92	2.00	0.00	7.54	0.02	0.00	4.94	2.00	0.00	7.53	0.02	0.00
4.96	2.00	0.00	7.52	0.02	0.00	4.98	2.00	0.00	7.51	0.02	0.00
5.00	2.00	0.00	7.50	0.02	0.00	5.02	2.00	0.00	7.49	0.02	0.00
5.04	2.00	0.00	7.48	0.02	0.00	5.06	2.00	0.00	7.47	0.02	0.00
5.08	2.00	0.00	7.46	0.02	0.00	5.10	2.00	0.00	7.45	0.02	0.00
5.12	2.00	0.00	7.44	0.02	0.00	5.14	2.00	0.00	7.43	0.02	0.00
5.16	2.00	0.00	7.42	0.02	0.00	5.18	2.00	0.00	7.41	0.02	0.00
5.20	2.00	0.00	7.40	0.02	0.00	5.22	2.00	0.00	7.39	0.02	0.00
5.24	2.00	0.00	7.38	0.02	0.00	5.26	2.00	0.00	7.37	0.02	0.00
5.28	2.00	0.00	7.36	0.02	0.00	5.30	2.00	0.00	7.35	0.02	0.00
5.32	2.00	0.00	7.34	0.02	0.00	5.34	2.00	0.00	7.33	0.02	0.00
5.36	2.00	0.00	7.32	0.02	0.00	5.38	2.00	0.00	7.31	0.02	0.00
5.40	2.00	0.00	7.30	0.02	0.00	5.42	2.00	0.00	7.29	0.02	0.00
5.44	2.00	0.00	7.28	0.02	0.00	5.46	2.00	0.00	7.27	0.02	0.00
5.48	2.00	0.00	7.26	0.02	0.00	5.50	2.00	0.00	7.25	0.02	0.00
5.52	2.00	0.00	7.24	0.02	0.00	5.54	2.00	0.00	7.23	0.02	0.00
5.56	2.00	0.00	7.22	0.02	0.00	5.58	2.00	0.00	7.21	0.02	0.00
5.60	2.00	0.00	7.20	0.02	0.00	5.62	2.00	0.00	7.19	0.02	0.00
5.64	2.00	0.00	7.18	0.02	0.00	5.66	2.00	0.00	7.17	0.02	0.00
5.68	2.00	0.00	7.16	0.02	0.00	5.70	2.00	0.00	7.15	0.02	0.00
5.72	2.00	0.00	7.14	0.02	0.00	5.74	2.00	0.00	7.13	0.02	0.00
5.76	2.00	0.00	7.12	0.02	0.00	5.78	2.00	0.00	7.11	0.02	0.00
5.80	2.00	0.00	7.10	0.02	0.00	5.82	2.00	0.00	7.09	0.02	0.00
5.84	2.00	0.00	7.08	0.02	0.00	5.86	2.00	0.00	7.07	0.02	0.00
5.88	2.00	0.00	7.06	0.02	0.00	5.90	2.00	0.00	7.05	0.02	0.00
5.92	2.00	0.00	7.04	0.02	0.00	5.94	2.00	0.00	7.03	0.02	0.00
5.96	2.00	0.00	7.02	0.02	0.00	5.98	2.00	0.00	7.01	0.02	0.00
6.00	2.00	0.00	7.00	0.02	0.00	6.02	2.00	0.00	6.99	0.02	0.00
6.04	2.00	0.00	6.98	0.02	0.00	6.06	2.00	0.00	6.97	0.02	0.00
6.08	2.00	0.00	6.96	0.02	0.00	6.10	2.00	0.00	6.95	0.02	0.00
6.12	2.00	0.00	6.94	0.02	0.00	6.14	2.00	0.00	6.93	0.02	0.00
6.16	2.00	0.00	6.92	0.02	0.00	6.18	2.00	0.00	6.91	0.02	0.00
6.22	2.00	0.00	6.89	0.04	0.00	6.24	2.00	0.00	6.88	0.02	0.00
6.26	2.00	0.00	6.87	0.02	0.00	6.28	2.00	0.00	6.86	0.02	0.00
6.30	2.00	0.00	6.85	0.02	0.00	6.32	2.00	0.00	6.84	0.02	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
6.34	2.00	0.00	6.83	0.02	0.00	6.36	2.00	0.00	6.82	0.02	0.00
6.38	2.00	0.00	6.81	0.02	0.00	6.40	2.00	0.00	6.80	0.02	0.00
6.42	2.00	0.00	6.79	0.02	0.00	6.44	2.00	0.00	6.78	0.02	0.00
6.46	2.00	0.00	6.77	0.02	0.00	6.48	2.00	0.00	6.76	0.02	0.00
6.50	2.00	0.00	6.75	0.02	0.00	6.52	2.00	0.00	6.74	0.02	0.00
6.54	2.00	0.00	6.73	0.02	0.00	6.56	2.00	0.00	6.72	0.02	0.00
6.58	2.00	0.00	6.71	0.02	0.00	6.60	2.00	0.00	6.70	0.02	0.00
6.62	2.00	0.00	6.69	0.02	0.00	6.64	2.00	0.00	6.68	0.02	0.00
6.66	2.00	0.00	6.67	0.02	0.00	6.68	2.00	0.00	6.66	0.02	0.00
6.70	2.00	0.00	6.65	0.02	0.00	6.72	2.00	0.00	6.64	0.02	0.00
6.74	2.00	0.00	6.63	0.02	0.00	6.76	2.00	0.00	6.62	0.02	0.00
6.78	2.00	0.00	6.61	0.02	0.00	6.80	2.00	0.00	6.60	0.02	0.00
6.82	2.00	0.00	6.59	0.02	0.00	6.84	2.00	0.00	6.58	0.02	0.00
6.86	2.00	0.00	6.57	0.02	0.00	6.88	2.00	0.00	6.56	0.02	0.00
6.90	2.00	0.00	6.55	0.02	0.00	6.92	2.00	0.00	6.54	0.02	0.00
6.94	2.00	0.00	6.53	0.02	0.00	6.96	2.00	0.00	6.52	0.02	0.00
6.98	2.00	0.00	6.51	0.02	0.00	7.00	2.00	0.00	6.50	0.02	0.00
7.02	2.00	0.00	6.49	0.02	0.00	7.04	2.00	0.00	6.48	0.02	0.00
7.06	2.00	0.00	6.47	0.02	0.00	7.08	2.00	0.00	6.46	0.02	0.00
7.10	2.00	0.00	6.45	0.02	0.00	7.12	2.00	0.00	6.44	0.02	0.00
7.14	2.00	0.00	6.43	0.02	0.00	7.16	2.00	0.00	6.42	0.02	0.00
7.18	2.00	0.00	6.41	0.02	0.00	7.20	2.00	0.00	6.40	0.02	0.00
7.22	2.00	0.00	6.39	0.02	0.00	7.24	2.00	0.00	6.38	0.02	0.00
7.26	2.00	0.00	6.37	0.02	0.00	7.28	2.00	0.00	6.36	0.02	0.00
7.30	0.74	0.26	6.35	0.02	0.03	7.32	0.74	0.26	6.34	0.02	0.03
7.34	0.74	0.26	6.33	0.02	0.03	7.36	0.74	0.26	6.32	0.02	0.03
7.38	0.75	0.25	6.31	0.02	0.03	7.40	0.76	0.24	6.30	0.02	0.03
7.42	2.00	0.00	6.29	0.02	0.00	7.44	2.00	0.00	6.28	0.02	0.00
7.46	2.00	0.00	6.27	0.02	0.00	7.48	2.00	0.00	6.26	0.02	0.00
7.50	2.00	0.00	6.25	0.02	0.00	7.52	2.00	0.00	6.24	0.02	0.00
7.54	2.00	0.00	6.23	0.02	0.00	7.56	2.00	0.00	6.22	0.02	0.00
7.58	2.00	0.00	6.21	0.02	0.00	7.60	0.75	0.25	6.20	0.02	0.03
7.62	0.75	0.25	6.19	0.02	0.03	7.64	0.74	0.26	6.18	0.02	0.03
7.66	2.00	0.00	6.17	0.02	0.00	7.68	2.00	0.00	6.16	0.02	0.00
7.70	2.00	0.00	6.15	0.02	0.00	7.72	0.76	0.24	6.14	0.02	0.03
7.74	0.77	0.23	6.13	0.02	0.03	7.76	0.78	0.22	6.12	0.02	0.03
7.78	0.79	0.21	6.11	0.02	0.03	7.80	0.79	0.21	6.10	0.02	0.03
7.82	2.00	0.00	6.09	0.02	0.00	7.84	2.00	0.00	6.08	0.02	0.00
7.86	2.00	0.00	6.07	0.02	0.00	7.88	2.00	0.00	6.06	0.02	0.00
7.90	2.00	0.00	6.05	0.02	0.00	7.92	2.00	0.00	6.04	0.02	0.00
7.94	2.00	0.00	6.03	0.02	0.00	7.96	2.00	0.00	6.02	0.02	0.00
7.98	2.00	0.00	6.01	0.02	0.00	8.00	2.00	0.00	6.00	0.02	0.00
8.02	2.00	0.00	5.99	0.02	0.00	8.04	2.00	0.00	5.98	0.02	0.00
8.06	2.00	0.00	5.97	0.02	0.00	8.08	2.00	0.00	5.96	0.02	0.00
8.10	2.00	0.00	5.95	0.02	0.00	8.12	2.00	0.00	5.94	0.02	0.00
8.14	2.00	0.00	5.93	0.02	0.00	8.16	2.00	0.00	5.92	0.02	0.00
8.18	2.00	0.00	5.91	0.02	0.00	8.20	2.00	0.00	5.90	0.02	0.00
8.22	2.00	0.00	5.89	0.02	0.00	8.24	2.00	0.00	5.88	0.02	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
8.26	2.00	0.00	5.87	0.02	0.00	8.28	2.00	0.00	5.86	0.02	0.00
8.30	2.00	0.00	5.85	0.02	0.00	8.32	2.00	0.00	5.84	0.02	0.00
8.34	2.00	0.00	5.83	0.02	0.00	8.36	2.00	0.00	5.82	0.02	0.00
8.38	2.00	0.00	5.81	0.02	0.00	8.40	2.00	0.00	5.80	0.02	0.00
8.42	2.00	0.00	5.79	0.02	0.00	8.44	2.00	0.00	5.78	0.02	0.00
8.46	2.00	0.00	5.77	0.02	0.00	8.48	2.00	0.00	5.76	0.02	0.00
8.50	2.00	0.00	5.75	0.02	0.00	8.52	2.00	0.00	5.74	0.02	0.00
8.54	2.00	0.00	5.73	0.02	0.00	8.56	2.00	0.00	5.72	0.02	0.00
8.58	2.00	0.00	5.71	0.02	0.00	8.60	2.00	0.00	5.70	0.02	0.00
8.62	2.00	0.00	5.69	0.02	0.00	8.64	2.00	0.00	5.68	0.02	0.00
8.66	2.00	0.00	5.67	0.02	0.00	8.68	2.00	0.00	5.66	0.02	0.00
8.70	2.00	0.00	5.65	0.02	0.00	8.72	2.00	0.00	5.64	0.02	0.00
8.74	2.00	0.00	5.63	0.02	0.00	8.76	2.00	0.00	5.62	0.02	0.00
8.78	2.00	0.00	5.61	0.02	0.00	8.80	2.00	0.00	5.60	0.02	0.00
8.82	2.00	0.00	5.59	0.02	0.00	8.84	2.00	0.00	5.58	0.02	0.00
8.86	2.00	0.00	5.57	0.02	0.00	8.88	2.00	0.00	5.56	0.02	0.00
8.90	2.00	0.00	5.55	0.02	0.00	8.92	2.00	0.00	5.54	0.02	0.00
8.94	2.00	0.00	5.53	0.02	0.00	8.96	2.00	0.00	5.52	0.02	0.00
8.98	2.00	0.00	5.51	0.02	0.00	9.00	2.00	0.00	5.50	0.02	0.00
9.02	2.00	0.00	5.49	0.02	0.00	9.04	2.00	0.00	5.48	0.02	0.00
9.06	2.00	0.00	5.47	0.02	0.00	9.08	2.00	0.00	5.46	0.02	0.00
9.10	2.00	0.00	5.45	0.02	0.00	9.12	2.00	0.00	5.44	0.02	0.00
9.14	2.00	0.00	5.43	0.02	0.00	9.16	2.00	0.00	5.42	0.02	0.00
9.18	2.00	0.00	5.41	0.02	0.00	9.20	2.00	0.00	5.40	0.02	0.00
9.22	2.00	0.00	5.39	0.02	0.00	9.24	2.00	0.00	5.38	0.02	0.00
9.26	2.00	0.00	5.37	0.02	0.00	9.28	2.00	0.00	5.36	0.02	0.00
9.30	2.00	0.00	5.35	0.02	0.00	9.32	2.00	0.00	5.34	0.02	0.00
9.34	2.00	0.00	5.33	0.02	0.00	9.36	2.00	0.00	5.32	0.02	0.00
9.38	2.00	0.00	5.31	0.02	0.00	9.40	2.00	0.00	5.30	0.02	0.00
9.42	2.00	0.00	5.29	0.02	0.00	9.44	2.00	0.00	5.28	0.02	0.00
9.46	2.00	0.00	5.27	0.02	0.00	9.48	2.00	0.00	5.26	0.02	0.00
9.50	2.00	0.00	5.25	0.02	0.00	9.52	2.00	0.00	5.24	0.02	0.00
9.54	2.00	0.00	5.23	0.02	0.00	9.56	2.00	0.00	5.22	0.02	0.00
9.58	2.00	0.00	5.21	0.02	0.00	9.60	2.00	0.00	5.20	0.02	0.00
9.62	2.00	0.00	5.19	0.02	0.00	9.64	2.00	0.00	5.18	0.02	0.00
9.66	2.00	0.00	5.17	0.02	0.00	9.68	2.00	0.00	5.16	0.02	0.00
9.70	2.00	0.00	5.15	0.02	0.00	9.72	2.00	0.00	5.14	0.02	0.00
9.74	2.00	0.00	5.13	0.02	0.00	9.76	2.00	0.00	5.12	0.02	0.00
9.78	2.00	0.00	5.11	0.02	0.00	9.80	2.00	0.00	5.10	0.02	0.00
9.82	2.00	0.00	5.09	0.02	0.00	9.84	2.00	0.00	5.08	0.02	0.00
9.86	2.00	0.00	5.07	0.02	0.00	9.88	2.00	0.00	5.06	0.02	0.00
9.90	2.00	0.00	5.05	0.02	0.00	9.92	2.00	0.00	5.04	0.02	0.00
9.94	2.00	0.00	5.03	0.02	0.00	9.96	2.00	0.00	5.02	0.02	0.00
9.98	2.00	0.00	5.01	0.02	0.00	10.00	2.00	0.00	5.00	0.02	0.00
10.02	2.00	0.00	4.99	0.02	0.00	10.04	2.00	0.00	4.98	0.02	0.00
10.06	2.00	0.00	4.97	0.02	0.00	10.08	2.00	0.00	4.96	0.02	0.00
10.10	2.00	0.00	4.95	0.02	0.00	10.12	2.00	0.00	4.94	0.02	0.00
10.14	2.00	0.00	4.93	0.02	0.00	10.16	2.00	0.00	4.92	0.02	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
10.18	2.00	0.00	4.91	0.02	0.00	10.20	2.00	0.00	4.90	0.02	0.00
10.22	2.00	0.00	4.89	0.02	0.00	10.24	2.00	0.00	4.88	0.02	0.00
10.26	2.00	0.00	4.87	0.02	0.00	10.28	2.00	0.00	4.86	0.02	0.00
10.30	2.00	0.00	4.85	0.02	0.00	10.32	2.00	0.00	4.84	0.02	0.00
10.34	2.00	0.00	4.83	0.02	0.00	10.36	2.00	0.00	4.82	0.02	0.00
10.38	2.00	0.00	4.81	0.02	0.00	10.40	2.00	0.00	4.80	0.02	0.00
10.42	2.00	0.00	4.79	0.02	0.00	10.44	2.00	0.00	4.78	0.02	0.00
10.46	2.00	0.00	4.77	0.02	0.00	10.48	2.00	0.00	4.76	0.02	0.00
10.50	2.00	0.00	4.75	0.02	0.00	10.52	2.00	0.00	4.74	0.02	0.00
10.54	2.00	0.00	4.73	0.02	0.00	10.56	2.00	0.00	4.72	0.02	0.00
10.58	2.00	0.00	4.71	0.02	0.00	10.60	2.00	0.00	4.70	0.02	0.00
10.62	2.00	0.00	4.69	0.02	0.00	10.64	2.00	0.00	4.68	0.02	0.00
10.66	2.00	0.00	4.67	0.02	0.00	10.68	2.00	0.00	4.66	0.02	0.00
10.70	2.00	0.00	4.65	0.02	0.00	10.72	2.00	0.00	4.64	0.02	0.00
10.74	2.00	0.00	4.63	0.02	0.00	10.76	2.00	0.00	4.62	0.02	0.00
10.78	2.00	0.00	4.61	0.02	0.00	10.80	2.00	0.00	4.60	0.02	0.00
10.82	2.00	0.00	4.59	0.02	0.00	10.84	2.00	0.00	4.58	0.02	0.00
10.86	2.00	0.00	4.57	0.02	0.00	10.88	2.00	0.00	4.56	0.02	0.00
10.90	2.00	0.00	4.55	0.02	0.00	10.92	0.71	0.29	4.54	0.02	0.03
10.94	0.73	0.27	4.53	0.02	0.02	10.96	0.75	0.25	4.52	0.02	0.02
10.98	0.75	0.25	4.51	0.02	0.02	11.00	0.74	0.26	4.50	0.02	0.02
11.02	0.75	0.25	4.49	0.02	0.02	11.04	0.76	0.24	4.48	0.02	0.02
11.06	0.79	0.21	4.47	0.02	0.02	11.08	0.78	0.22	4.46	0.02	0.02
11.10	0.82	0.18	4.45	0.02	0.02	11.12	0.83	0.17	4.44	0.02	0.02
11.14	0.83	0.17	4.43	0.02	0.01	11.16	0.84	0.16	4.42	0.02	0.01
11.18	2.00	0.00	4.41	0.02	0.00	11.20	2.00	0.00	4.40	0.02	0.00
11.22	2.00	0.00	4.39	0.02	0.00	11.24	2.00	0.00	4.38	0.02	0.00
11.26	2.00	0.00	4.37	0.02	0.00	11.28	2.00	0.00	4.36	0.02	0.00
11.30	2.00	0.00	4.35	0.02	0.00	11.32	2.00	0.00	4.34	0.02	0.00
11.34	2.00	0.00	4.33	0.02	0.00	11.36	2.00	0.00	4.32	0.02	0.00
11.38	2.00	0.00	4.31	0.02	0.00	11.40	2.00	0.00	4.30	0.02	0.00
11.42	2.00	0.00	4.29	0.02	0.00	11.44	2.00	0.00	4.28	0.02	0.00
11.46	2.00	0.00	4.27	0.02	0.00	11.48	2.00	0.00	4.26	0.02	0.00
11.50	2.00	0.00	4.25	0.02	0.00	11.52	2.00	0.00	4.24	0.02	0.00
11.54	2.00	0.00	4.23	0.02	0.00	11.56	2.00	0.00	4.22	0.02	0.00
11.58	2.00	0.00	4.21	0.02	0.00	11.60	2.00	0.00	4.20	0.02	0.00
11.62	2.00	0.00	4.19	0.02	0.00	11.64	2.00	0.00	4.18	0.02	0.00
11.66	2.00	0.00	4.17	0.02	0.00	11.68	2.00	0.00	4.16	0.02	0.00
11.70	2.00	0.00	4.15	0.02	0.00	11.72	2.00	0.00	4.14	0.02	0.00
11.74	2.00	0.00	4.13	0.02	0.00	11.76	2.00	0.00	4.12	0.02	0.00
11.78	2.00	0.00	4.11	0.02	0.00	11.80	2.00	0.00	4.10	0.02	0.00
11.82	2.00	0.00	4.09	0.02	0.00	11.84	2.00	0.00	4.08	0.02	0.00
11.86	2.00	0.00	4.07	0.02	0.00	11.88	2.00	0.00	4.06	0.02	0.00
11.90	2.00	0.00	4.05	0.02	0.00	11.92	2.00	0.00	4.04	0.02	0.00
11.94	2.00	0.00	4.03	0.02	0.00	11.96	2.00	0.00	4.02	0.02	0.00
11.98	2.00	0.00	4.01	0.02	0.00	12.00	2.00	0.00	4.00	0.02	0.00
12.02	2.00	0.00	3.99	0.02	0.00	12.04	2.00	0.00	3.98	0.02	0.00
12.06	2.00	0.00	3.97	0.02	0.00	12.08	2.00	0.00	3.96	0.02	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
12.10	2.00	0.00	3.95	0.02	0.00	12.12	2.00	0.00	3.94	0.02	0.00
12.14	2.00	0.00	3.93	0.02	0.00	12.16	2.00	0.00	3.92	0.02	0.00
12.18	2.00	0.00	3.91	0.02	0.00	12.20	2.00	0.00	3.90	0.02	0.00
12.22	2.00	0.00	3.89	0.02	0.00	12.24	2.00	0.00	3.88	0.02	0.00
12.26	2.00	0.00	3.87	0.02	0.00	12.28	2.00	0.00	3.86	0.02	0.00
12.30	2.00	0.00	3.85	0.02	0.00	12.32	2.00	0.00	3.84	0.02	0.00
12.34	2.00	0.00	3.83	0.02	0.00	12.36	2.00	0.00	3.82	0.02	0.00
12.38	2.00	0.00	3.81	0.02	0.00	12.40	2.00	0.00	3.80	0.02	0.00
12.42	2.00	0.00	3.79	0.02	0.00	12.44	2.00	0.00	3.78	0.02	0.00
12.46	2.00	0.00	3.77	0.02	0.00	12.48	2.00	0.00	3.76	0.02	0.00
12.50	2.00	0.00	3.75	0.02	0.00	12.52	2.00	0.00	3.74	0.02	0.00
12.54	2.00	0.00	3.73	0.02	0.00	12.56	2.00	0.00	3.72	0.02	0.00
12.58	2.00	0.00	3.71	0.02	0.00	12.60	2.00	0.00	3.70	0.02	0.00
12.62	2.00	0.00	3.69	0.02	0.00	12.64	2.00	0.00	3.68	0.02	0.00
12.66	2.00	0.00	3.67	0.02	0.00	12.68	2.00	0.00	3.66	0.02	0.00
12.70	2.00	0.00	3.65	0.02	0.00	12.72	2.00	0.00	3.64	0.02	0.00
12.74	2.00	0.00	3.63	0.02	0.00	12.76	2.00	0.00	3.62	0.02	0.00
12.78	2.00	0.00	3.61	0.02	0.00	12.80	2.00	0.00	3.60	0.02	0.00
12.82	2.00	0.00	3.59	0.02	0.00	12.84	2.00	0.00	3.58	0.02	0.00
12.86	2.00	0.00	3.57	0.02	0.00	12.88	2.00	0.00	3.56	0.02	0.00
12.90	2.00	0.00	3.55	0.02	0.00	12.92	2.00	0.00	3.54	0.02	0.00
12.94	2.00	0.00	3.53	0.02	0.00	12.96	2.00	0.00	3.52	0.02	0.00
12.98	2.00	0.00	3.51	0.02	0.00	13.00	2.00	0.00	3.50	0.02	0.00
13.02	2.00	0.00	3.49	0.02	0.00	13.04	2.00	0.00	3.48	0.02	0.00
13.06	2.00	0.00	3.47	0.02	0.00	13.08	2.00	0.00	3.46	0.02	0.00
13.10	2.00	0.00	3.45	0.02	0.00	13.12	2.00	0.00	3.44	0.02	0.00
13.14	2.00	0.00	3.43	0.02	0.00	13.16	2.00	0.00	3.42	0.02	0.00
13.18	2.00	0.00	3.41	0.02	0.00	13.20	2.00	0.00	3.40	0.02	0.00
13.22	2.00	0.00	3.39	0.02	0.00	13.24	2.00	0.00	3.38	0.02	0.00
13.26	2.00	0.00	3.37	0.02	0.00	13.28	2.00	0.00	3.36	0.02	0.00
13.30	2.00	0.00	3.35	0.02	0.00	13.32	2.00	0.00	3.34	0.02	0.00
13.34	2.00	0.00	3.33	0.02	0.00	13.36	2.00	0.00	3.32	0.02	0.00
13.38	2.00	0.00	3.31	0.02	0.00	13.40	2.00	0.00	3.30	0.02	0.00
13.42	2.00	0.00	3.29	0.02	0.00	13.44	2.00	0.00	3.28	0.02	0.00
13.46	2.00	0.00	3.27	0.02	0.00	13.48	2.00	0.00	3.26	0.02	0.00
13.50	2.00	0.00	3.25	0.02	0.00	13.52	2.00	0.00	3.24	0.02	0.00
13.54	2.00	0.00	3.23	0.02	0.00	13.56	2.00	0.00	3.22	0.02	0.00
13.58	2.00	0.00	3.21	0.02	0.00	13.60	2.00	0.00	3.20	0.02	0.00
13.62	2.00	0.00	3.19	0.02	0.00	13.64	2.00	0.00	3.18	0.02	0.00
13.66	2.00	0.00	3.17	0.02	0.00	13.68	2.00	0.00	3.16	0.02	0.00
13.70	2.00	0.00	3.15	0.02	0.00	13.72	2.00	0.00	3.14	0.02	0.00
13.74	2.00	0.00	3.13	0.02	0.00	13.76	2.00	0.00	3.12	0.02	0.00
13.78	2.00	0.00	3.11	0.02	0.00	13.80	2.00	0.00	3.10	0.02	0.00
13.82	2.00	0.00	3.09	0.02	0.00	13.84	2.00	0.00	3.08	0.02	0.00
13.86	2.00	0.00	3.07	0.02	0.00	13.88	2.00	0.00	3.06	0.02	0.00
13.90	2.00	0.00	3.05	0.02	0.00	13.92	2.00	0.00	3.04	0.02	0.00
13.94	2.00	0.00	3.03	0.02	0.00	13.96	2.00	0.00	3.02	0.02	0.00
13.98	2.00	0.00	3.01	0.02	0.00	14.00	2.00	0.00	3.00	0.02	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
14.02	0.73	0.27	2.99	0.02	0.02	14.04	2.00	0.00	2.98	0.02	0.00
14.06	2.00	0.00	2.97	0.02	0.00	14.08	2.00	0.00	2.96	0.02	0.00
14.10	2.00	0.00	2.95	0.02	0.00	14.12	2.00	0.00	2.94	0.02	0.00
14.14	2.00	0.00	2.93	0.02	0.00	14.16	2.00	0.00	2.92	0.02	0.00
14.18	2.00	0.00	2.91	0.02	0.00	14.20	2.00	0.00	2.90	0.02	0.00
14.22	2.00	0.00	2.89	0.02	0.00	14.24	2.00	0.00	2.88	0.02	0.00
14.26	2.00	0.00	2.87	0.02	0.00	14.28	2.00	0.00	2.86	0.02	0.00
14.30	2.00	0.00	2.85	0.02	0.00	14.32	2.00	0.00	2.84	0.02	0.00
14.34	2.00	0.00	2.83	0.02	0.00	14.36	2.00	0.00	2.82	0.02	0.00
14.38	2.00	0.00	2.81	0.02	0.00	14.40	2.00	0.00	2.80	0.02	0.00
14.42	2.00	0.00	2.79	0.02	0.00	14.44	2.00	0.00	2.78	0.02	0.00
14.46	2.00	0.00	2.77	0.02	0.00	14.48	2.00	0.00	2.76	0.02	0.00
14.50	2.00	0.00	2.75	0.02	0.00	14.52	2.00	0.00	2.74	0.02	0.00
14.54	2.00	0.00	2.73	0.02	0.00	14.56	2.00	0.00	2.72	0.02	0.00
14.58	2.00	0.00	2.71	0.02	0.00	14.60	2.00	0.00	2.70	0.02	0.00
14.62	2.00	0.00	2.69	0.02	0.00	14.64	2.00	0.00	2.68	0.02	0.00
14.66	2.00	0.00	2.67	0.02	0.00	14.68	2.00	0.00	2.66	0.02	0.00
14.70	2.00	0.00	2.65	0.02	0.00	14.72	2.00	0.00	2.64	0.02	0.00
14.74	2.00	0.00	2.63	0.02	0.00	14.76	2.00	0.00	2.62	0.02	0.00
14.78	2.00	0.00	2.61	0.02	0.00	14.80	2.00	0.00	2.60	0.02	0.00
14.82	2.00	0.00	2.59	0.02	0.00	14.84	2.00	0.00	2.58	0.02	0.00
14.86	2.00	0.00	2.57	0.02	0.00	14.88	2.00	0.00	2.56	0.02	0.00
14.90	2.00	0.00	2.55	0.02	0.00	14.92	2.00	0.00	2.54	0.02	0.00
14.94	2.00	0.00	2.53	0.02	0.00	14.96	2.00	0.00	2.52	0.02	0.00
14.98	2.00	0.00	2.51	0.02	0.00	15.00	2.00	0.00	2.50	0.02	0.00

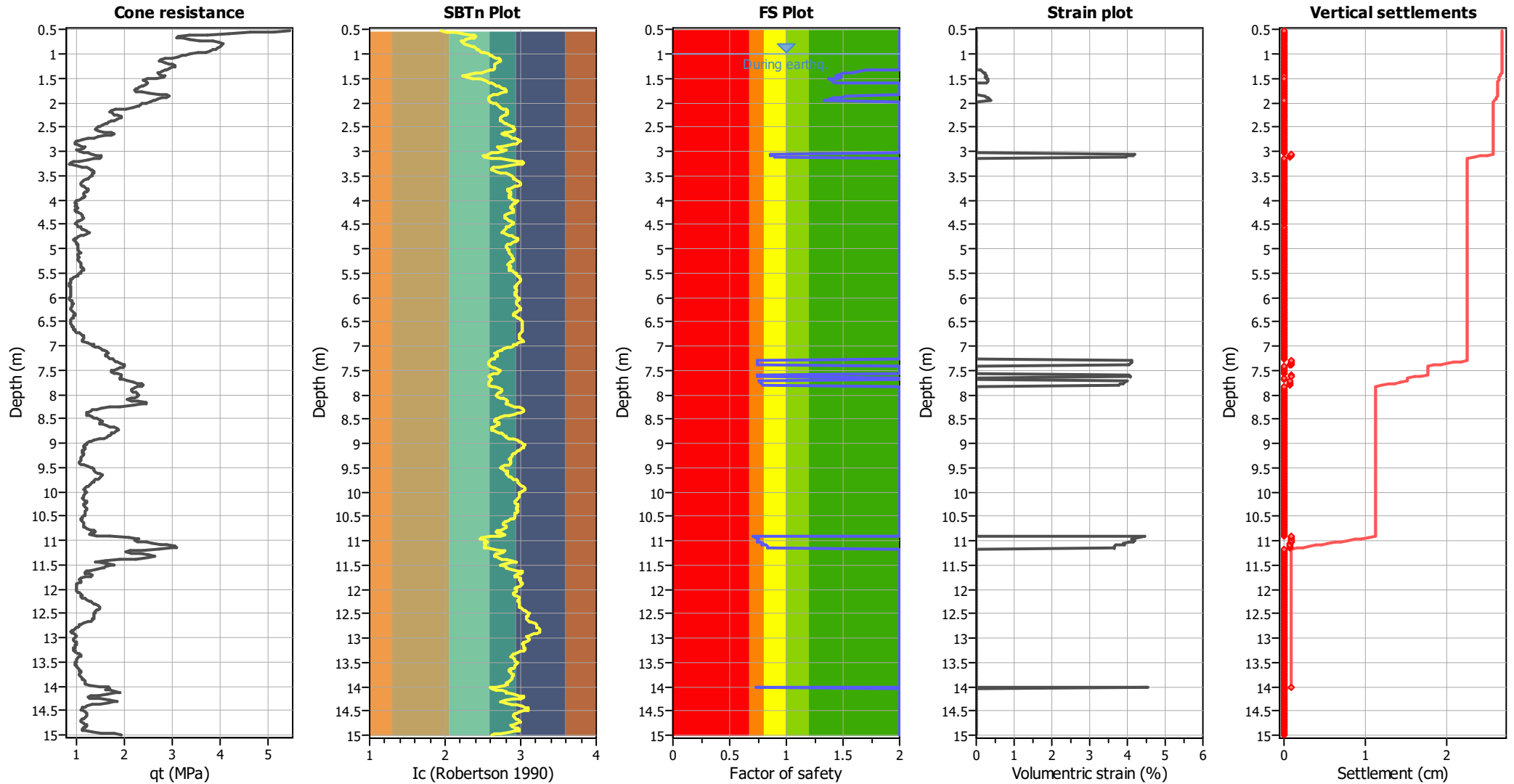
Overall liquefaction potential: 0.79

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

Abbreviations

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

Estimation of post-earthquake settlements



Abbreviations

- qt: 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 _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
1.00	121.97	2.00	0.00	1.00	0.00	1.02	54.36	2.00	0.00	1.00	0.00
1.04	54.19	2.00	0.00	1.00	0.00	1.06	53.32	2.00	0.00	1.00	0.00
1.08	49.60	2.00	0.00	1.00	0.00	1.10	47.46	2.00	0.00	1.00	0.00
1.12	46.23	2.00	0.00	1.00	0.00	1.14	45.17	2.00	0.00	1.00	0.00
1.16	45.73	2.00	0.00	1.00	0.00	1.18	48.03	2.00	0.00	1.00	0.00
1.20	48.94	2.00	0.00	1.00	0.00	1.22	50.74	2.00	0.00	1.00	0.00
1.24	51.63	2.00	0.00	1.00	0.00	1.26	51.81	2.00	0.00	1.00	0.00
1.28	50.40	2.00	0.00	1.00	0.00	1.30	48.61	2.00	0.00	1.00	0.00
1.32	48.43	2.00	0.00	1.00	0.00	1.34	112.50	1.71	0.11	1.00	0.00
1.36	110.05	1.64	0.14	1.00	0.00	1.38	107.31	1.57	0.18	1.00	0.00
1.40	104.49	1.51	0.22	1.00	0.00	1.42	102.95	1.47	0.24	1.00	0.00
1.44	101.30	1.43	0.27	1.00	0.01	1.46	102.76	1.45	0.26	1.00	0.01
1.48	105.63	1.49	0.23	1.00	0.00	1.50	103.96	1.45	0.26	1.00	0.01
1.52	99.89	1.38	0.31	1.00	0.01	1.54	101.63	1.40	0.30	1.00	0.01
1.56	102.84	1.41	0.29	1.00	0.01	1.58	104.80	1.44	0.27	1.00	0.01
1.60	41.50	2.00	0.00	1.00	0.00	1.62	41.15	2.00	0.00	1.00	0.00
1.64	40.63	2.00	0.00	1.00	0.00	1.66	39.56	2.00	0.00	1.00	0.00
1.68	38.68	2.00	0.00	1.00	0.00	1.70	38.50	2.00	0.00	1.00	0.00
1.72	37.27	2.00	0.00	1.00	0.00	1.74	36.91	2.00	0.00	1.00	0.00
1.76	37.30	2.00	0.00	1.00	0.00	1.78	38.93	2.00	0.00	1.00	0.00
1.80	42.32	2.00	0.00	1.00	0.00	1.82	45.56	2.00	0.00	1.00	0.00
1.84	48.04	2.00	0.00	1.00	0.00	1.86	113.42	1.53	0.22	1.00	0.00
1.88	111.71	1.48	0.25	1.00	0.01	1.90	108.96	1.42	0.30	1.00	0.01
1.92	106.93	1.38	0.34	1.00	0.01	1.94	105.67	1.35	0.36	1.00	0.01
1.96	105.13	1.34	0.37	1.00	0.01	1.98	41.22	2.00	0.00	1.00	0.00
2.00	39.58	2.00	0.00	1.00	0.00	2.02	38.26	2.00	0.00	1.00	0.00
2.04	37.25	2.00	0.00	1.00	0.00	2.06	37.49	2.00	0.00	1.00	0.00
2.08	37.27	2.00	0.00	1.00	0.00	2.10	35.49	2.00	0.00	1.00	0.00
2.12	32.42	2.00	0.00	1.00	0.00	2.14	30.14	2.00	0.00	1.00	0.00
2.16	26.57	2.00	0.00	1.00	0.00	2.18	28.56	2.00	0.00	1.00	0.00
2.20	28.22	2.00	0.00	1.00	0.00	2.22	27.99	2.00	0.00	1.00	0.00
2.24	28.74	2.00	0.00	1.00	0.00	2.26	29.96	2.00	0.00	1.00	0.00
2.28	30.85	2.00	0.00	1.00	0.00	2.30	32.06	2.00	0.00	1.00	0.00
2.32	30.61	2.00	0.00	1.00	0.00	2.34	29.14	2.00	0.00	1.00	0.00
2.36	28.45	2.00	0.00	1.00	0.00	2.38	27.76	2.00	0.00	1.00	0.00
2.40	26.61	2.00	0.00	1.00	0.00	2.42	26.23	2.00	0.00	1.00	0.00
2.44	25.38	2.00	0.00	1.00	0.00	2.46	24.84	2.00	0.00	1.00	0.00
2.48	23.37	2.00	0.00	1.00	0.00	2.50	23.15	2.00	0.00	1.00	0.00
2.52	22.82	2.00	0.00	1.00	0.00	2.54	22.45	2.00	0.00	1.00	0.00
2.56	21.63	2.00	0.00	1.00	0.00	2.58	22.70	2.00	0.00	1.00	0.00
2.60	24.72	2.00	0.00	1.00	0.00	2.62	27.49	2.00	0.00	1.00	0.00
2.64	28.23	2.00	0.00	1.00	0.00	2.66	27.09	2.00	0.00	1.00	0.00
2.68	24.89	2.00	0.00	1.00	0.00	2.70	22.82	2.00	0.00	1.00	0.00
2.72	21.23	2.00	0.00	1.00	0.00	2.74	19.92	2.00	0.00	1.00	0.00
2.76	17.36	2.00	0.00	1.00	0.00	2.78	16.23	2.00	0.00	1.00	0.00
2.80	15.91	2.00	0.00	1.00	0.00	2.82	15.41	2.00	0.00	1.00	0.00
2.84	15.09	2.00	0.00	1.00	0.00	2.86	15.72	2.00	0.00	1.00	0.00
2.88	16.22	2.00	0.00	1.00	0.00	2.90	17.97	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
2.92	18.92	2.00	0.00	1.00	0.00	2.94	18.11	2.00	0.00	1.00	0.00
2.96	16.50	2.00	0.00	1.00	0.00	2.98	15.55	2.00	0.00	1.00	0.00
3.00	15.55	2.00	0.00	1.00	0.00	3.02	18.23	2.00	0.00	1.00	0.00
3.04	19.18	2.00	0.00	1.00	0.00	3.06	76.16	0.86	4.20	1.00	0.08
3.08	77.02	0.86	4.16	1.00	0.08	3.10	80.34	0.89	3.99	1.00	0.08
3.12	80.80	0.89	3.97	1.00	0.08	3.14	21.15	2.00	0.00	1.00	0.00
3.16	22.61	2.00	0.00	1.00	0.00	3.18	18.74	2.00	0.00	1.00	0.00
3.20	15.91	2.00	0.00	1.00	0.00	3.22	14.21	2.00	0.00	1.00	0.00
3.24	13.25	2.00	0.00	1.00	0.00	3.26	12.76	2.00	0.00	1.00	0.00
3.28	13.21	2.00	0.00	1.00	0.00	3.30	14.92	2.00	0.00	1.00	0.00
3.32	17.53	2.00	0.00	1.00	0.00	3.34	18.47	2.00	0.00	1.00	0.00
3.36	19.36	2.00	0.00	1.00	0.00	3.38	19.78	2.00	0.00	1.00	0.00
3.40	20.04	2.00	0.00	1.00	0.00	3.42	20.30	2.00	0.00	1.00	0.00
3.44	20.24	2.00	0.00	1.00	0.00	3.46	19.75	2.00	0.00	1.00	0.00
3.48	19.56	2.00	0.00	1.00	0.00	3.50	19.52	2.00	0.00	1.00	0.00
3.52	19.51	2.00	0.00	1.00	0.00	3.54	19.17	2.00	0.00	1.00	0.00
3.56	18.25	2.00	0.00	1.00	0.00	3.58	17.78	2.00	0.00	1.00	0.00
3.60	17.00	2.00	0.00	1.00	0.00	3.62	16.52	2.00	0.00	1.00	0.00
3.64	16.05	2.00	0.00	1.00	0.00	3.66	15.72	2.00	0.00	1.00	0.00
3.68	16.14	2.00	0.00	1.00	0.00	3.70	16.42	2.00	0.00	1.00	0.00
3.72	17.14	2.00	0.00	1.00	0.00	3.74	17.27	2.00	0.00	1.00	0.00
3.76	17.55	2.00	0.00	1.00	0.00	3.78	18.11	2.00	0.00	1.00	0.00
3.80	18.09	2.00	0.00	1.00	0.00	3.82	17.48	2.00	0.00	1.00	0.00
3.84	16.71	2.00	0.00	1.00	0.00	3.86	16.83	2.00	0.00	1.00	0.00
3.88	16.67	2.00	0.00	1.00	0.00	3.90	16.80	2.00	0.00	1.00	0.00
3.92	16.92	2.00	0.00	1.00	0.00	3.94	16.63	2.00	0.00	1.00	0.00
3.96	16.31	2.00	0.00	1.00	0.00	3.98	15.69	2.00	0.00	1.00	0.00
4.00	14.95	2.00	0.00	1.00	0.00	4.02	14.19	2.00	0.00	1.00	0.00
4.04	13.58	2.00	0.00	1.00	0.00	4.06	14.31	2.00	0.00	1.00	0.00
4.08	14.29	2.00	0.00	1.00	0.00	4.10	13.98	2.00	0.00	1.00	0.00
4.12	13.98	2.00	0.00	1.00	0.00	4.14	13.96	2.00	0.00	1.00	0.00
4.16	15.16	2.00	0.00	1.00	0.00	4.18	14.27	2.00	0.00	1.00	0.00
4.20	13.39	2.00	0.00	1.00	0.00	4.22	13.52	2.00	0.00	1.00	0.00
4.24	14.08	2.00	0.00	1.00	0.00	4.26	14.21	2.00	0.00	1.00	0.00
4.28	15.05	2.00	0.00	1.00	0.00	4.30	16.07	2.00	0.00	1.00	0.00
4.32	15.62	2.00	0.00	1.00	0.00	4.34	15.74	2.00	0.00	1.00	0.00
4.36	16.14	2.00	0.00	1.00	0.00	4.38	15.69	2.00	0.00	1.00	0.00
4.40	15.66	2.00	0.00	1.00	0.00	4.42	14.80	2.00	0.00	1.00	0.00
4.44	14.35	2.00	0.00	1.00	0.00	4.46	13.90	2.00	0.00	1.00	0.00
4.48	13.45	2.00	0.00	1.00	0.00	4.50	13.45	2.00	0.00	1.00	0.00
4.54	14.70	2.00	0.00	1.00	0.00	4.56	15.11	2.00	0.00	1.00	0.00
4.58	14.95	2.00	0.00	1.00	0.00	4.60	15.38	2.00	0.00	1.00	0.00
4.62	15.64	2.00	0.00	1.00	0.00	4.64	16.46	2.00	0.00	1.00	0.00
4.66	17.84	2.00	0.00	1.00	0.00	4.68	16.98	2.00	0.00	1.00	0.00
4.70	16.39	2.00	0.00	1.00	0.00	4.72	15.53	2.00	0.00	1.00	0.00
4.74	14.68	2.00	0.00	1.00	0.00	4.76	14.10	2.00	0.00	1.00	0.00
4.78	13.66	2.00	0.00	1.00	0.00	4.80	13.08	2.00	0.00	1.00	0.00
4.82	12.65	2.00	0.00	1.00	0.00	4.84	12.92	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
4.86	13.32	2.00	0.00	1.00	0.00	4.88	13.31	2.00	0.00	1.00	0.00
4.90	13.57	2.00	0.00	1.00	0.00	4.92	13.70	2.00	0.00	1.00	0.00
4.94	14.11	2.00	0.00	1.00	0.00	4.96	13.96	2.00	0.00	1.00	0.00
4.98	13.80	2.00	0.00	1.00	0.00	5.00	13.78	2.00	0.00	1.00	0.00
5.02	13.90	2.00	0.00	1.00	0.00	5.04	13.74	2.00	0.00	1.00	0.00
5.06	14.02	2.00	0.00	1.00	0.00	5.08	14.41	2.00	0.00	1.00	0.00
5.10	14.26	2.00	0.00	1.00	0.00	5.12	14.37	2.00	0.00	1.00	0.00
5.14	12.73	2.00	0.00	1.00	0.00	5.16	14.03	2.00	0.00	1.00	0.00
5.18	14.02	2.00	0.00	1.00	0.00	5.20	13.73	2.00	0.00	1.00	0.00
5.22	13.44	2.00	0.00	1.00	0.00	5.24	13.69	2.00	0.00	1.00	0.00
5.26	13.81	2.00	0.00	1.00	0.00	5.28	13.80	2.00	0.00	1.00	0.00
5.30	14.46	2.00	0.00	1.00	0.00	5.32	14.44	2.00	0.00	1.00	0.00
5.34	14.28	2.00	0.00	1.00	0.00	5.36	13.86	2.00	0.00	1.00	0.00
5.38	14.11	2.00	0.00	1.00	0.00	5.40	14.36	2.00	0.00	1.00	0.00
5.42	15.15	2.00	0.00	1.00	0.00	5.44	15.13	2.00	0.00	1.00	0.00
5.46	14.44	2.00	0.00	1.00	0.00	5.48	14.15	2.00	0.00	1.00	0.00
5.50	14.00	2.00	0.00	1.00	0.00	5.52	13.71	2.00	0.00	1.00	0.00
5.54	13.16	2.00	0.00	1.00	0.00	5.56	13.27	2.00	0.00	1.00	0.00
5.58	12.86	2.00	0.00	1.00	0.00	5.60	12.04	2.00	0.00	1.00	0.00
5.62	11.63	2.00	0.00	1.00	0.00	5.64	11.35	2.00	0.00	1.00	0.00
5.66	11.20	2.00	0.00	1.00	0.00	5.68	11.19	2.00	0.00	1.00	0.00
5.70	11.04	2.00	0.00	1.00	0.00	5.72	11.16	2.00	0.00	1.00	0.00
5.74	11.02	2.00	0.00	1.00	0.00	5.76	11.01	2.00	0.00	1.00	0.00
5.78	11.13	2.00	0.00	1.00	0.00	5.80	11.25	2.00	0.00	1.00	0.00
5.82	11.23	2.00	0.00	1.00	0.00	5.84	11.09	2.00	0.00	1.00	0.00
5.86	11.10	2.00	0.00	1.00	0.00	5.88	11.09	2.00	0.00	1.00	0.00
5.90	11.07	2.00	0.00	1.00	0.00	5.92	11.06	2.00	0.00	1.00	0.00
5.94	11.05	2.00	0.00	1.00	0.00	5.96	11.17	2.00	0.00	1.00	0.00
5.98	11.02	2.00	0.00	1.00	0.00	6.00	10.88	2.00	0.00	1.00	0.00
6.02	10.74	2.00	0.00	1.00	0.00	6.04	10.87	2.00	0.00	1.00	0.00
6.06	10.98	2.00	0.00	1.00	0.00	6.08	11.36	2.00	0.00	1.00	0.00
6.10	11.48	2.00	0.00	1.00	0.00	6.12	11.60	2.00	0.00	1.00	0.00
6.14	11.55	2.00	0.00	1.00	0.00	6.16	11.66	2.00	0.00	1.00	0.00
6.18	11.13	2.00	0.00	1.00	0.00	6.22	10.87	2.00	0.00	1.00	0.00
6.24	10.86	2.00	0.00	1.00	0.00	6.26	10.85	2.00	0.00	1.00	0.00
6.28	11.35	2.00	0.00	1.00	0.00	6.30	11.47	2.00	0.00	1.00	0.00
6.32	11.71	2.00	0.00	1.00	0.00	6.34	11.83	2.00	0.00	1.00	0.00
6.36	12.07	2.00	0.00	1.00	0.00	6.38	11.65	2.00	0.00	1.00	0.00
6.40	11.40	2.00	0.00	1.00	0.00	6.42	11.62	2.00	0.00	1.00	0.00
6.44	11.23	2.00	0.00	1.00	0.00	6.46	10.83	2.00	0.00	1.00	0.00
6.48	10.82	2.00	0.00	1.00	0.00	6.50	10.83	2.00	0.00	1.00	0.00
6.52	10.82	2.00	0.00	1.00	0.00	6.54	10.93	2.00	0.00	1.00	0.00
6.56	10.90	2.00	0.00	1.00	0.00	6.58	10.88	2.00	0.00	1.00	0.00
6.60	11.25	2.00	0.00	1.00	0.00	6.62	11.37	2.00	0.00	1.00	0.00
6.64	11.35	2.00	0.00	1.00	0.00	6.66	11.47	2.00	0.00	1.00	0.00
6.68	11.58	2.00	0.00	1.00	0.00	6.70	11.82	2.00	0.00	1.00	0.00
6.72	12.18	2.00	0.00	1.00	0.00	6.74	12.67	2.00	0.00	1.00	0.00
6.76	13.15	2.00	0.00	1.00	0.00	6.78	13.38	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
6.80	13.74	2.00	0.00	1.00	0.00	6.82	13.97	2.00	0.00	1.00	0.00
6.84	13.95	2.00	0.00	1.00	0.00	6.86	13.68	2.00	0.00	1.00	0.00
6.88	13.42	2.00	0.00	1.00	0.00	6.90	13.03	2.00	0.00	1.00	0.00
6.92	13.39	2.00	0.00	1.00	0.00	6.94	13.99	2.00	0.00	1.00	0.00
6.96	16.68	2.00	0.00	1.00	0.00	6.98	15.42	2.00	0.00	1.00	0.00
7.00	15.65	2.00	0.00	1.00	0.00	7.02	16.25	2.00	0.00	1.00	0.00
7.04	17.21	2.00	0.00	1.00	0.00	7.06	17.93	2.00	0.00	1.00	0.00
7.08	18.39	2.00	0.00	1.00	0.00	7.10	18.37	2.00	0.00	1.00	0.00
7.12	18.36	2.00	0.00	1.00	0.00	7.14	19.95	2.00	0.00	1.00	0.00
7.16	18.96	2.00	0.00	1.00	0.00	7.18	18.70	2.00	0.00	1.00	0.00
7.20	18.32	2.00	0.00	1.00	0.00	7.22	18.90	2.00	0.00	1.00	0.00
7.24	19.00	2.00	0.00	1.00	0.00	7.26	19.47	2.00	0.00	1.00	0.00
7.28	19.94	2.00	0.00	1.00	0.00	7.30	77.57	0.74	4.13	1.00	0.08
7.32	77.69	0.74	4.12	1.00	0.08	7.34	77.66	0.74	4.12	1.00	0.08
7.36	78.35	0.74	4.09	1.00	0.08	7.38	79.19	0.75	4.05	1.00	0.08
7.40	80.35	0.76	3.99	1.00	0.08	7.42	22.65	2.00	0.00	1.00	0.00
7.44	22.15	2.00	0.00	1.00	0.00	7.46	22.00	2.00	0.00	1.00	0.00
7.48	20.78	2.00	0.00	1.00	0.00	7.50	20.04	2.00	0.00	1.00	0.00
7.52	19.31	2.00	0.00	1.00	0.00	7.54	19.29	2.00	0.00	1.00	0.00
7.56	19.87	2.00	0.00	1.00	0.00	7.58	20.80	2.00	0.00	1.00	0.00
7.60	79.07	0.75	4.05	1.00	0.08	7.62	78.68	0.75	4.07	1.00	0.08
7.64	78.44	0.74	4.09	1.00	0.08	7.66	21.30	2.00	0.00	1.00	0.00
7.68	21.16	2.00	0.00	1.00	0.00	7.70	21.61	2.00	0.00	1.00	0.00
7.72	80.55	0.76	3.98	1.00	0.08	7.74	81.96	0.77	3.92	1.00	0.08
7.76	82.86	0.78	3.88	1.00	0.08	7.78	84.30	0.79	3.81	1.00	0.08
7.80	84.98	0.79	3.78	1.00	0.08	7.82	26.02	2.00	0.00	1.00	0.00
7.84	25.29	2.00	0.00	1.00	0.00	7.86	24.31	2.00	0.00	1.00	0.00
7.88	23.59	2.00	0.00	1.00	0.00	7.90	23.32	2.00	0.00	1.00	0.00
7.92	23.53	2.00	0.00	1.00	0.00	7.94	23.62	2.00	0.00	1.00	0.00
7.96	24.29	2.00	0.00	1.00	0.00	7.98	25.42	2.00	0.00	1.00	0.00
8.00	24.82	2.00	0.00	1.00	0.00	8.02	24.79	2.00	0.00	1.00	0.00
8.04	24.76	2.00	0.00	1.00	0.00	8.06	24.49	2.00	0.00	1.00	0.00
8.08	23.07	2.00	0.00	1.00	0.00	8.10	22.58	2.00	0.00	1.00	0.00
8.12	21.84	2.00	0.00	1.00	0.00	8.14	25.51	2.00	0.00	1.00	0.00
8.16	26.74	2.00	0.00	1.00	0.00	8.18	26.94	2.00	0.00	1.00	0.00
8.20	26.00	2.00	0.00	1.00	0.00	8.22	23.20	2.00	0.00	1.00	0.00
8.24	20.89	2.00	0.00	1.00	0.00	8.26	17.88	2.00	0.00	1.00	0.00
8.28	16.25	2.00	0.00	1.00	0.00	8.30	15.19	2.00	0.00	1.00	0.00
8.32	14.14	2.00	0.00	1.00	0.00	8.34	13.88	2.00	0.00	1.00	0.00
8.36	13.41	2.00	0.00	1.00	0.00	8.38	12.92	2.00	0.00	1.00	0.00
8.40	12.68	2.00	0.00	1.00	0.00	8.42	12.77	2.00	0.00	1.00	0.00
8.44	13.68	2.00	0.00	1.00	0.00	8.46	14.01	2.00	0.00	1.00	0.00
8.48	14.69	2.00	0.00	1.00	0.00	8.50	15.02	2.00	0.00	1.00	0.00
8.52	15.92	2.00	0.00	1.00	0.00	8.54	16.59	2.00	0.00	1.00	0.00
8.56	16.23	2.00	0.00	1.00	0.00	8.58	15.65	2.00	0.00	1.00	0.00
8.60	15.52	2.00	0.00	1.00	0.00	8.62	16.18	2.00	0.00	1.00	0.00
8.64	17.09	2.00	0.00	1.00	0.00	8.66	18.09	2.00	0.00	1.00	0.00
8.68	18.64	2.00	0.00	1.00	0.00	8.70	19.66	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
8.72	19.64	2.00	0.00	1.00	0.00	8.74	19.62	2.00	0.00	1.00	0.00
8.76	19.60	2.00	0.00	1.00	0.00	8.78	18.35	2.00	0.00	1.00	0.00
8.80	17.66	2.00	0.00	1.00	0.00	8.82	18.20	2.00	0.00	1.00	0.00
8.84	17.96	2.00	0.00	1.00	0.00	8.86	16.94	2.00	0.00	1.00	0.00
8.88	17.04	2.00	0.00	1.00	0.00	8.90	16.57	2.00	0.00	1.00	0.00
8.92	15.10	2.00	0.00	1.00	0.00	8.94	14.08	2.00	0.00	1.00	0.00
8.96	13.51	2.00	0.00	1.00	0.00	8.98	12.60	2.00	0.00	1.00	0.00
9.00	12.82	2.00	0.00	1.00	0.00	9.02	12.35	2.00	0.00	1.00	0.00
9.04	11.89	2.00	0.00	1.00	0.00	9.06	11.77	2.00	0.00	1.00	0.00
9.08	11.87	2.00	0.00	1.00	0.00	9.10	12.08	2.00	0.00	1.00	0.00
9.12	12.10	2.00	0.00	1.00	0.00	9.14	11.65	2.00	0.00	1.00	0.00
9.16	11.30	2.00	0.00	1.00	0.00	9.18	11.29	2.00	0.00	1.00	0.00
9.20	11.28	2.00	0.00	1.00	0.00	9.22	11.72	2.00	0.00	1.00	0.00
9.24	11.72	2.00	0.00	1.00	0.00	9.26	11.49	2.00	0.00	1.00	0.00
9.28	11.15	2.00	0.00	1.00	0.00	9.30	11.14	2.00	0.00	1.00	0.00
9.32	11.24	2.00	0.00	1.00	0.00	9.34	11.12	2.00	0.00	1.00	0.00
9.36	10.78	2.00	0.00	1.00	0.00	9.38	10.77	2.00	0.00	1.00	0.00
9.40	10.76	2.00	0.00	1.00	0.00	9.42	10.53	2.00	0.00	1.00	0.00
9.44	10.86	2.00	0.00	1.00	0.00	9.46	11.63	2.00	0.00	1.00	0.00
9.48	12.61	2.00	0.00	1.00	0.00	9.50	13.37	2.00	0.00	1.00	0.00
9.52	13.46	2.00	0.00	1.00	0.00	9.54	13.78	2.00	0.00	1.00	0.00
9.56	13.55	2.00	0.00	1.00	0.00	9.58	13.44	2.00	0.00	1.00	0.00
9.60	13.75	2.00	0.00	1.00	0.00	9.62	14.51	2.00	0.00	1.00	0.00
9.64	15.15	2.00	0.00	1.00	0.00	9.66	15.24	2.00	0.00	1.00	0.00
9.68	15.55	2.00	0.00	1.00	0.00	9.70	15.00	2.00	0.00	1.00	0.00
9.72	14.98	2.00	0.00	1.00	0.00	9.74	14.43	2.00	0.00	1.00	0.00
9.76	13.76	2.00	0.00	1.00	0.00	9.78	13.75	2.00	0.00	1.00	0.00
9.80	13.41	2.00	0.00	1.00	0.00	9.82	13.18	2.00	0.00	1.00	0.00
9.84	12.74	2.00	0.00	1.00	0.00	9.86	12.50	2.00	0.00	1.00	0.00
9.88	12.17	2.00	0.00	1.00	0.00	9.90	11.73	2.00	0.00	1.00	0.00
9.92	11.72	2.00	0.00	1.00	0.00	9.94	11.38	2.00	0.00	1.00	0.00
9.96	11.26	2.00	0.00	1.00	0.00	9.98	11.79	2.00	0.00	1.00	0.00
10.00	11.88	2.00	0.00	1.00	0.00	10.02	11.65	2.00	0.00	1.00	0.00
10.04	11.43	2.00	0.00	1.00	0.00	10.06	11.31	2.00	0.00	1.00	0.00
10.08	11.19	2.00	0.00	1.00	0.00	10.10	11.18	2.00	0.00	1.00	0.00
10.12	10.87	2.00	0.00	1.00	0.00	10.14	10.87	2.00	0.00	1.00	0.00
10.16	11.29	2.00	0.00	1.00	0.00	10.18	11.70	2.00	0.00	1.00	0.00
10.20	11.70	2.00	0.00	1.00	0.00	10.22	11.79	2.00	0.00	1.00	0.00
10.24	11.57	2.00	0.00	1.00	0.00	10.26	11.03	2.00	0.00	1.00	0.00
10.28	11.13	2.00	0.00	1.00	0.00	10.30	11.54	2.00	0.00	1.00	0.00
10.32	11.53	2.00	0.00	1.00	0.00	10.34	11.52	2.00	0.00	1.00	0.00
10.36	11.73	2.00	0.00	1.00	0.00	10.38	11.61	2.00	0.00	1.00	0.00
10.40	11.28	2.00	0.00	1.00	0.00	10.42	11.27	2.00	0.00	1.00	0.00
10.44	11.05	2.00	0.00	1.00	0.00	10.46	11.26	2.00	0.00	1.00	0.00
10.48	11.25	2.00	0.00	1.00	0.00	10.50	11.03	2.00	0.00	1.00	0.00
10.52	10.60	2.00	0.00	1.00	0.00	10.54	10.59	2.00	0.00	1.00	0.00
10.56	10.48	2.00	0.00	1.00	0.00	10.58	10.37	2.00	0.00	1.00	0.00
10.60	10.57	2.00	0.00	1.00	0.00	10.62	10.88	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
10.64	10.87	2.00	0.00	1.00	0.00	10.66	11.07	2.00	0.00	1.00	0.00
10.68	10.96	2.00	0.00	1.00	0.00	10.70	10.95	2.00	0.00	1.00	0.00
10.72	10.94	2.00	0.00	1.00	0.00	10.74	11.15	2.00	0.00	1.00	0.00
10.76	11.45	2.00	0.00	1.00	0.00	10.78	11.97	2.00	0.00	1.00	0.00
10.80	13.21	2.00	0.00	1.00	0.00	10.82	13.31	2.00	0.00	1.00	0.00
10.84	13.10	2.00	0.00	1.00	0.00	10.86	12.46	2.00	0.00	1.00	0.00
10.88	11.62	2.00	0.00	1.00	0.00	10.90	12.13	2.00	0.00	1.00	0.00
10.92	71.55	0.71	4.46	1.00	0.09	10.94	74.87	0.73	4.27	1.00	0.09
10.96	78.08	0.75	4.10	1.00	0.08	10.98	77.84	0.75	4.12	1.00	0.08
11.00	76.18	0.74	4.20	1.00	0.08	11.02	77.41	0.75	4.14	1.00	0.08
11.04	79.40	0.76	4.04	1.00	0.08	11.06	82.88	0.79	3.87	1.00	0.08
11.08	82.09	0.78	3.91	1.00	0.08	11.10	86.87	0.82	3.70	1.00	0.07
11.12	87.67	0.83	3.67	1.00	0.07	11.14	88.36	0.83	3.64	1.00	0.07
11.16	88.37	0.84	3.64	1.00	0.07	11.18	26.84	2.00	0.00	1.00	0.00
11.20	22.59	2.00	0.00	1.00	0.00	11.22	19.17	2.00	0.00	1.00	0.00
11.24	18.85	2.00	0.00	1.00	0.00	11.26	20.48	2.00	0.00	1.00	0.00
11.28	22.51	2.00	0.00	1.00	0.00	11.30	24.34	2.00	0.00	1.00	0.00
11.32	25.55	2.00	0.00	1.00	0.00	11.34	25.32	2.00	0.00	1.00	0.00
11.36	24.37	2.00	0.00	1.00	0.00	11.38	21.48	2.00	0.00	1.00	0.00
11.40	17.99	2.00	0.00	1.00	0.00	11.42	14.50	2.00	0.00	1.00	0.00
11.44	12.95	2.00	0.00	1.00	0.00	11.46	12.33	2.00	0.00	1.00	0.00
11.48	15.88	2.00	0.00	1.00	0.00	11.50	18.31	2.00	0.00	1.00	0.00
11.52	16.05	2.00	0.00	1.00	0.00	11.54	14.52	2.00	0.00	1.00	0.00
11.56	14.99	2.00	0.00	1.00	0.00	11.58	15.08	2.00	0.00	1.00	0.00
11.60	13.45	2.00	0.00	1.00	0.00	11.62	11.62	2.00	0.00	1.00	0.00
11.64	11.11	2.00	0.00	1.00	0.00	11.66	10.89	2.00	0.00	1.00	0.00
11.68	10.88	2.00	0.00	1.00	0.00	11.70	11.68	2.00	0.00	1.00	0.00
11.72	12.88	2.00	0.00	1.00	0.00	11.74	12.67	2.00	0.00	1.00	0.00
11.76	10.95	2.00	0.00	1.00	0.00	11.78	9.73	2.00	0.00	1.00	0.00
11.80	9.82	2.00	0.00	1.00	0.00	11.82	9.92	2.00	0.00	1.00	0.00
11.84	10.01	2.00	0.00	1.00	0.00	11.86	10.11	2.00	0.00	1.00	0.00
11.88	9.90	2.00	0.00	1.00	0.00	11.90	9.39	2.00	0.00	1.00	0.00
11.92	8.78	2.00	0.00	1.00	0.00	11.94	9.18	2.00	0.00	1.00	0.00
11.96	9.27	2.00	0.00	1.00	0.00	11.98	9.27	2.00	0.00	1.00	0.00
12.00	9.26	2.00	0.00	1.00	0.00	12.02	9.15	2.00	0.00	1.00	0.00
12.04	9.35	2.00	0.00	1.00	0.00	12.06	9.34	2.00	0.00	1.00	0.00
12.08	9.74	2.00	0.00	1.00	0.00	12.10	10.08	2.00	0.00	1.00	0.00
12.12	10.28	2.00	0.00	1.00	0.00	12.14	10.08	2.00	0.00	1.00	0.00
12.16	9.97	2.00	0.00	1.00	0.00	12.18	10.07	2.00	0.00	1.00	0.00
12.20	10.85	2.00	0.00	1.00	0.00	12.22	11.14	2.00	0.00	1.00	0.00
12.24	11.43	2.00	0.00	1.00	0.00	12.26	11.92	2.00	0.00	1.00	0.00
12.28	12.21	2.00	0.00	1.00	0.00	12.30	12.20	2.00	0.00	1.00	0.00
12.32	12.69	2.00	0.00	1.00	0.00	12.34	13.27	2.00	0.00	1.00	0.00
12.36	13.66	2.00	0.00	1.00	0.00	12.38	13.55	2.00	0.00	1.00	0.00
12.40	13.44	2.00	0.00	1.00	0.00	12.42	13.23	2.00	0.00	1.00	0.00
12.44	12.82	2.00	0.00	1.00	0.00	12.46	12.81	2.00	0.00	1.00	0.00
12.48	12.60	2.00	0.00	1.00	0.00	12.50	12.29	2.00	0.00	1.00	0.00
12.52	11.99	2.00	0.00	1.00	0.00	12.54	12.46	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
12.56	12.26	2.00	0.00	1.00	0.00	12.58	12.34	2.00	0.00	1.00	0.00
12.60	12.42	2.00	0.00	1.00	0.00	12.62	12.02	2.00	0.00	1.00	0.00
12.64	11.91	2.00	0.00	1.00	0.00	12.66	11.80	2.00	0.00	1.00	0.00
12.68	11.11	2.00	0.00	1.00	0.00	12.70	10.32	2.00	0.00	1.00	0.00
12.72	9.61	2.00	0.00	1.00	0.00	12.74	9.60	2.00	0.00	1.00	0.00
12.76	9.50	2.00	0.00	1.00	0.00	12.78	9.09	2.00	0.00	1.00	0.00
12.80	8.70	2.00	0.00	1.00	0.00	12.82	8.59	2.00	0.00	1.00	0.00
12.84	8.10	2.00	0.00	1.00	0.00	12.86	8.00	2.00	0.00	1.00	0.00
12.88	7.99	2.00	0.00	1.00	0.00	12.90	7.59	2.00	0.00	1.00	0.00
12.92	8.46	2.00	0.00	1.00	0.00	12.94	8.55	2.00	0.00	1.00	0.00
12.96	8.93	2.00	0.00	1.00	0.00	12.98	8.83	2.00	0.00	1.00	0.00
13.00	8.44	2.00	0.00	1.00	0.00	13.02	8.25	2.00	0.00	1.00	0.00
13.04	7.95	2.00	0.00	1.00	0.00	13.06	8.33	2.00	0.00	1.00	0.00
13.08	8.62	2.00	0.00	1.00	0.00	13.10	8.88	2.00	0.00	1.00	0.00
13.12	8.88	2.00	0.00	1.00	0.00	13.14	8.68	2.00	0.00	1.00	0.00
13.16	8.48	2.00	0.00	1.00	0.00	13.18	8.48	2.00	0.00	1.00	0.00
13.20	8.38	2.00	0.00	1.00	0.00	13.22	8.28	2.00	0.00	1.00	0.00
13.24	7.98	2.00	0.00	1.00	0.00	13.26	8.07	2.00	0.00	1.00	0.00
13.28	8.26	2.00	0.00	1.00	0.00	13.30	8.45	2.00	0.00	1.00	0.00
13.32	8.82	2.00	0.00	1.00	0.00	13.34	9.30	2.00	0.00	1.00	0.00
13.36	9.39	2.00	0.00	1.00	0.00	13.38	9.48	2.00	0.00	1.00	0.00
13.40	9.47	2.00	0.00	1.00	0.00	13.42	8.62	2.00	0.00	1.00	0.00
13.44	8.41	2.00	0.00	1.00	0.00	13.46	8.80	2.00	0.00	1.00	0.00
13.48	8.51	2.00	0.00	1.00	0.00	13.50	8.41	2.00	0.00	1.00	0.00
13.52	8.50	2.00	0.00	1.00	0.00	13.54	8.40	2.00	0.00	1.00	0.00
13.56	8.40	2.00	0.00	1.00	0.00	13.58	8.49	2.00	0.00	1.00	0.00
13.60	8.48	2.00	0.00	1.00	0.00	13.62	8.76	2.00	0.00	1.00	0.00
13.64	8.94	2.00	0.00	1.00	0.00	13.66	9.03	2.00	0.00	1.00	0.00
13.68	9.22	2.00	0.00	1.00	0.00	13.70	9.21	2.00	0.00	1.00	0.00
13.72	9.40	2.00	0.00	1.00	0.00	13.74	9.21	2.00	0.00	1.00	0.00
13.76	8.82	2.00	0.00	1.00	0.00	13.78	9.02	2.00	0.00	1.00	0.00
13.80	9.39	2.00	0.00	1.00	0.00	13.82	9.38	2.00	0.00	1.00	0.00
13.84	9.47	2.00	0.00	1.00	0.00	13.86	9.56	2.00	0.00	1.00	0.00
13.88	9.84	2.00	0.00	1.00	0.00	13.90	9.93	2.00	0.00	1.00	0.00
13.92	10.20	2.00	0.00	1.00	0.00	13.94	10.29	2.00	0.00	1.00	0.00
13.96	9.72	2.00	0.00	1.00	0.00	13.98	10.18	2.00	0.00	1.00	0.00
14.00	12.81	2.00	0.00	1.00	0.00	14.02	69.95	0.73	4.55	1.00	0.09
14.04	15.06	2.00	0.00	1.00	0.00	14.06	13.92	2.00	0.00	1.00	0.00
14.08	12.32	2.00	0.00	1.00	0.00	14.10	17.25	2.00	0.00	1.00	0.00
14.12	16.46	2.00	0.00	1.00	0.00	14.14	15.89	2.00	0.00	1.00	0.00
14.16	14.11	2.00	0.00	1.00	0.00	14.18	11.83	2.00	0.00	1.00	0.00
14.20	10.97	2.00	0.00	1.00	0.00	14.22	10.42	2.00	0.00	1.00	0.00
14.24	10.12	2.00	0.00	1.00	0.00	14.26	11.98	2.00	0.00	1.00	0.00
14.28	15.34	2.00	0.00	1.00	0.00	14.30	16.17	2.00	0.00	1.00	0.00
14.32	15.51	2.00	0.00	1.00	0.00	14.34	13.81	2.00	0.00	1.00	0.00
14.36	12.87	2.00	0.00	1.00	0.00	14.38	10.90	2.00	0.00	1.00	0.00
14.40	10.06	2.00	0.00	1.00	0.00	14.42	9.77	2.00	0.00	1.00	0.00
14.44	9.39	2.00	0.00	1.00	0.00	14.46	9.11	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.48	9.10	2.00	0.00	1.00	0.00	14.50	9.18	2.00	0.00	1.00	0.00
14.52	9.73	2.00	0.00	1.00	0.00	14.54	10.19	2.00	0.00	1.00	0.00
14.56	10.09	2.00	0.00	1.00	0.00	14.58	10.18	2.00	0.00	1.00	0.00
14.60	10.26	2.00	0.00	1.00	0.00	14.62	10.07	2.00	0.00	1.00	0.00
14.64	9.79	2.00	0.00	1.00	0.00	14.66	9.60	2.00	0.00	1.00	0.00
14.68	9.32	2.00	0.00	1.00	0.00	14.70	8.95	2.00	0.00	1.00	0.00
14.72	8.67	2.00	0.00	1.00	0.00	14.74	9.03	2.00	0.00	1.00	0.00
14.76	9.21	2.00	0.00	1.00	0.00	14.78	9.75	2.00	0.00	1.00	0.00
14.80	9.93	2.00	0.00	1.00	0.00	14.82	10.02	2.00	0.00	1.00	0.00
14.84	9.64	2.00	0.00	1.00	0.00	14.86	9.27	2.00	0.00	1.00	0.00
14.88	8.99	2.00	0.00	1.00	0.00	14.90	8.99	2.00	0.00	1.00	0.00
14.92	9.53	2.00	0.00	1.00	0.00	14.94	10.53	2.00	0.00	1.00	0.00
14.96	12.45	2.00	0.00	1.00	0.00	14.98	14.73	2.00	0.00	1.00	0.00
15.00	16.84	2.00	0.00	1.00	0.00						

Total estimated settlement: 2.67

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