

LIQUEFACTION ANALYSIS REPORT

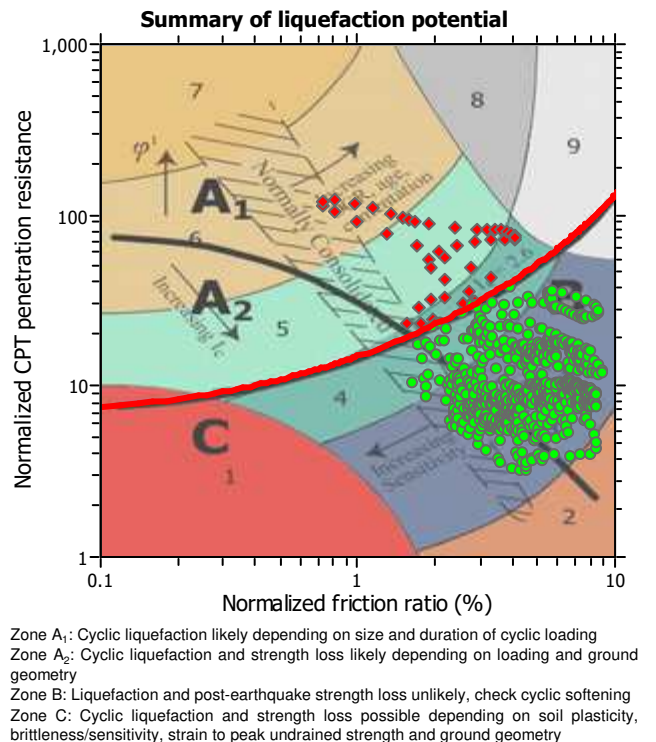
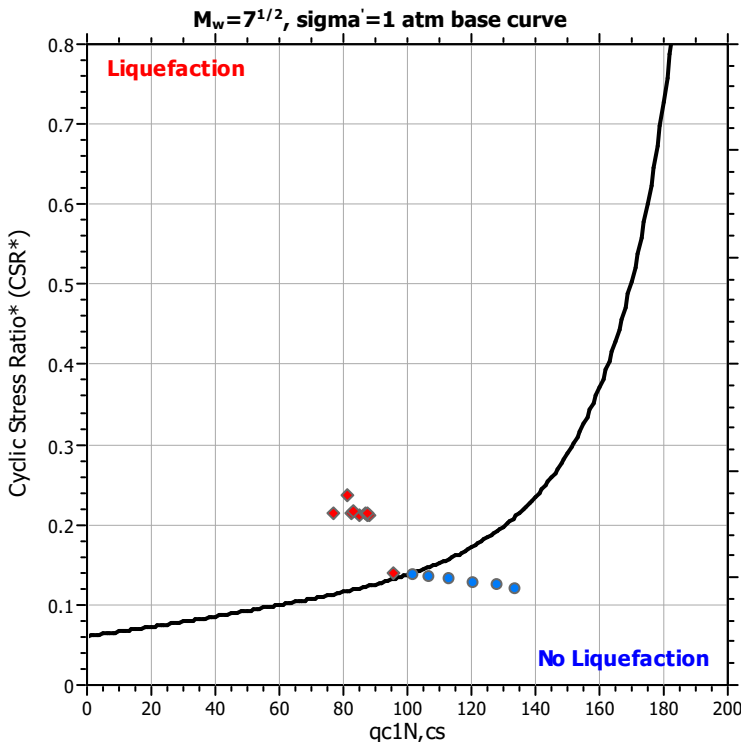
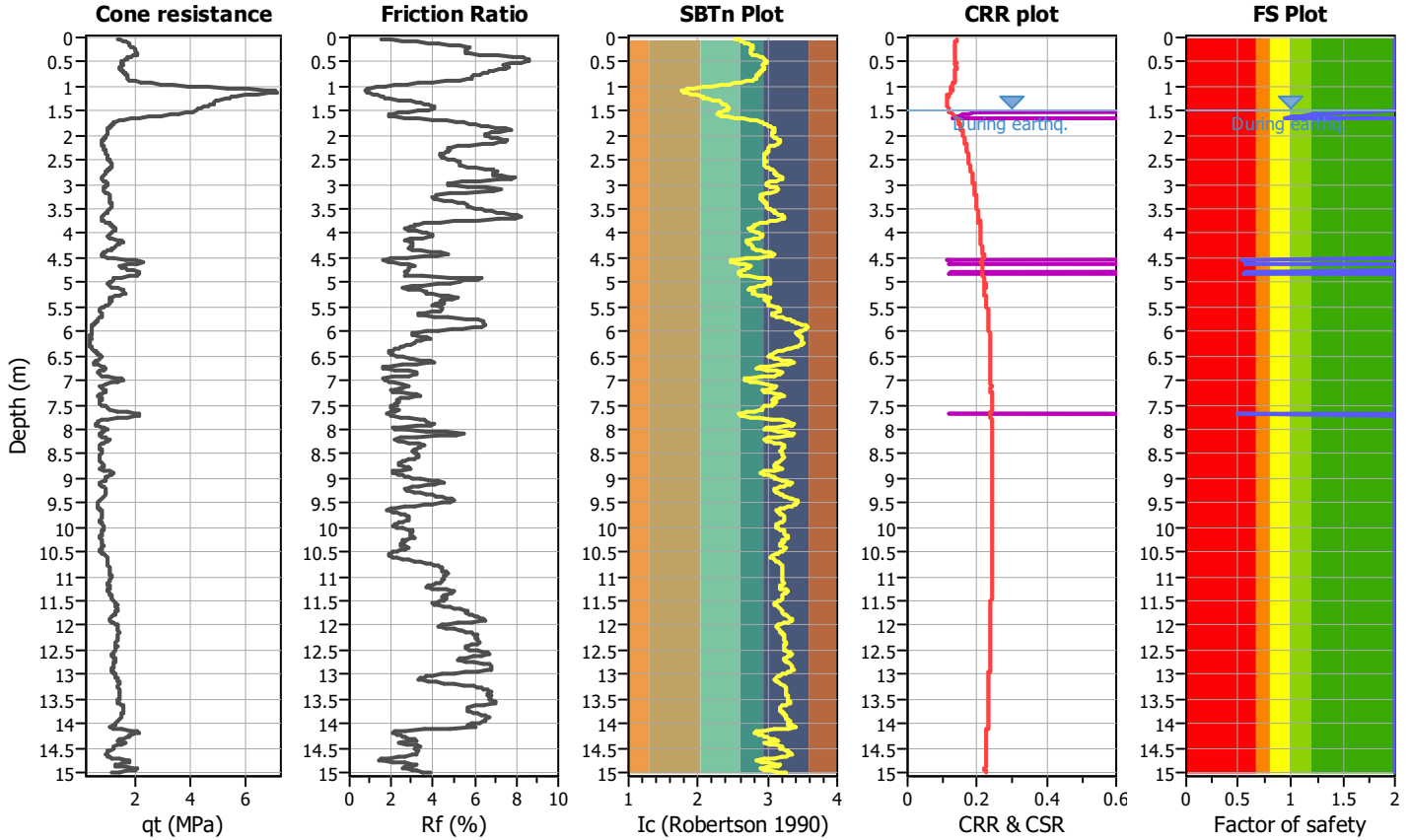
Project title :

Location :

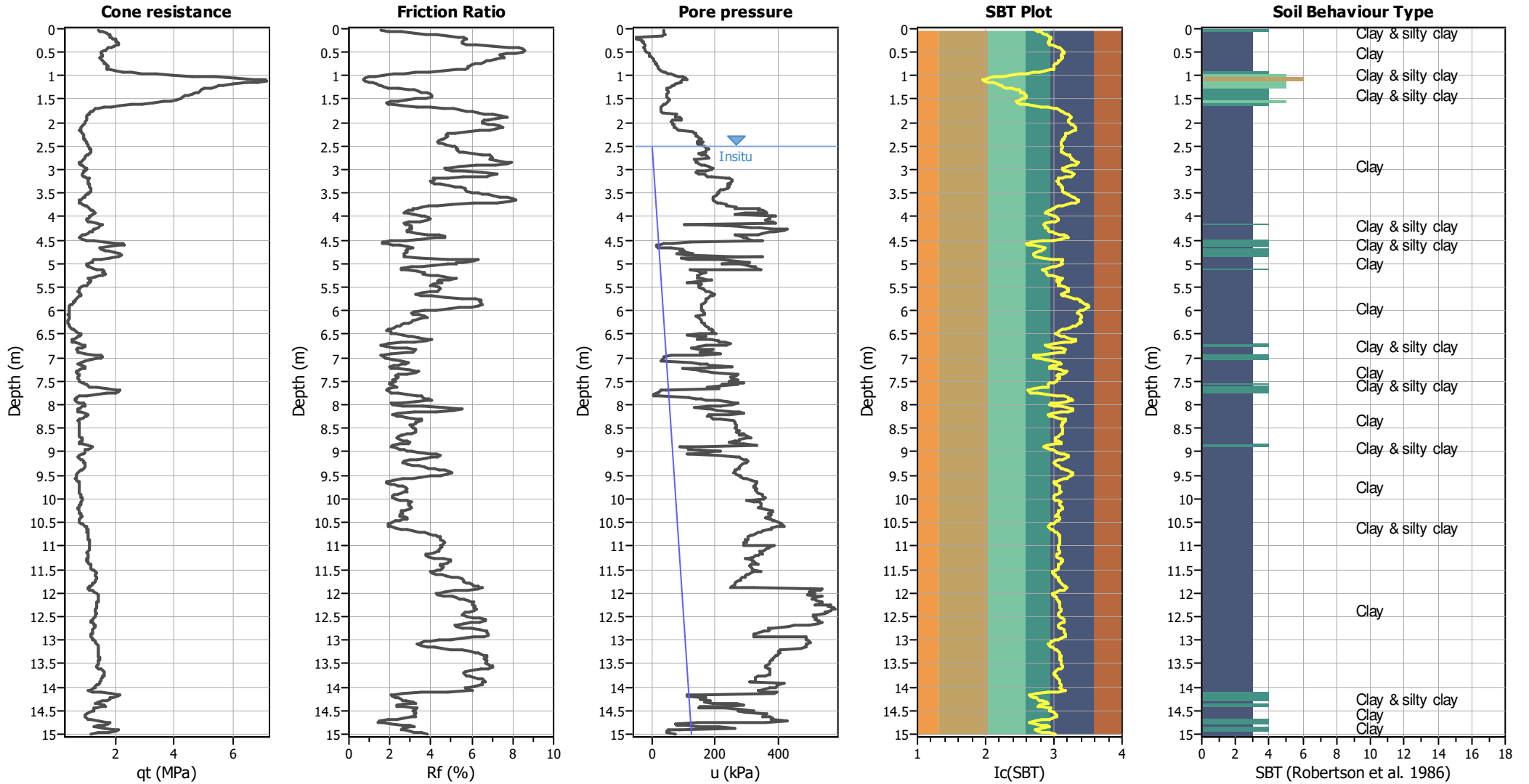
CPT file : cptu1

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



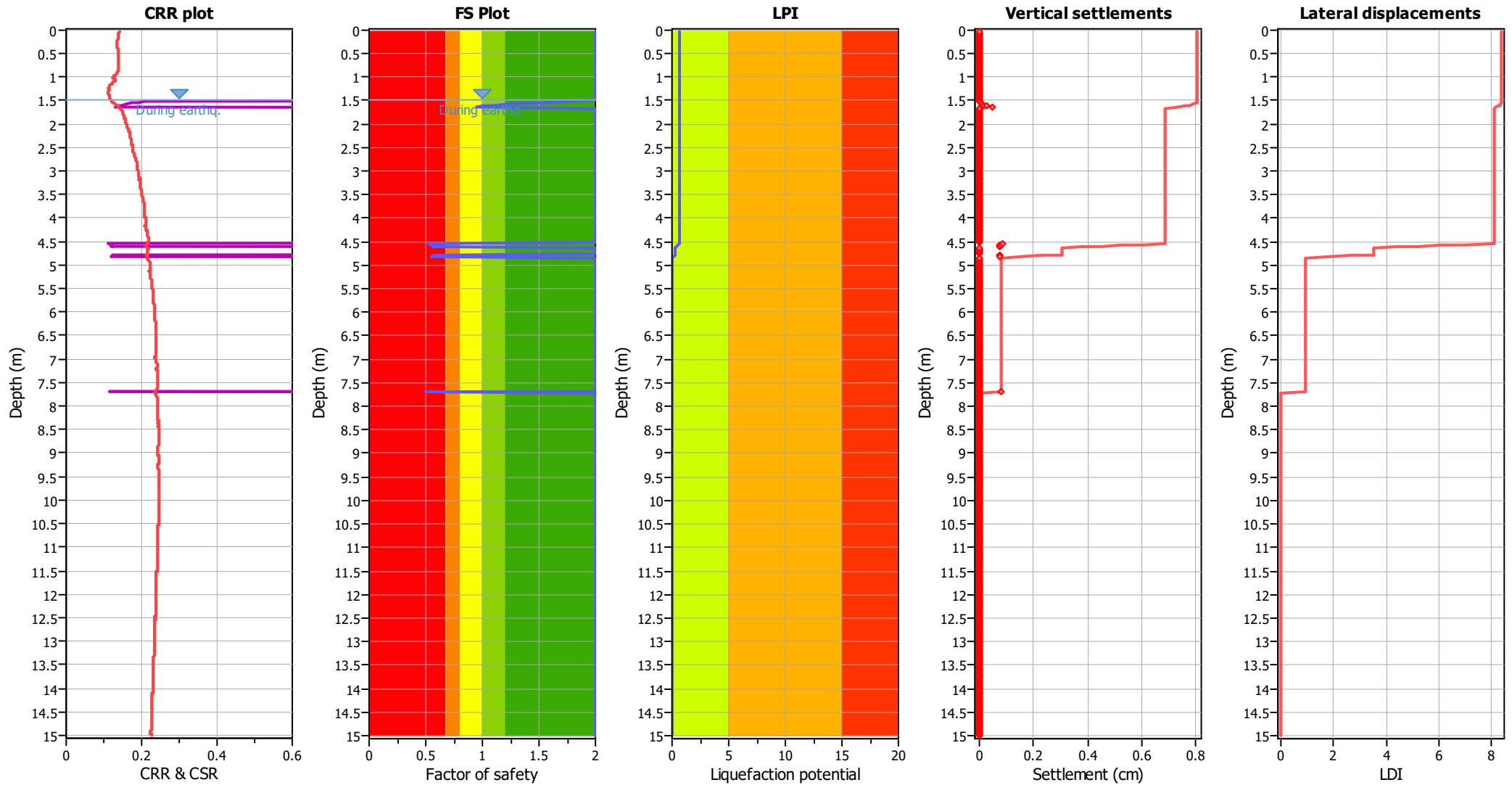
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.04	2.00	0.00	9.98	0.02	0.00	0.06	2.00	0.00	9.97	0.02	0.00
0.08	2.00	0.00	9.96	0.02	0.00	0.10	2.00	0.00	9.95	0.02	0.00
0.12	2.00	0.00	9.94	0.02	0.00	0.14	2.00	0.00	9.93	0.02	0.00
0.16	2.00	0.00	9.92	0.02	0.00	0.18	2.00	0.00	9.91	0.02	0.00
0.20	2.00	0.00	9.90	0.02	0.00	0.22	2.00	0.00	9.89	0.02	0.00
0.24	2.00	0.00	9.88	0.02	0.00	0.26	2.00	0.00	9.87	0.02	0.00
0.28	2.00	0.00	9.86	0.02	0.00	0.30	2.00	0.00	9.85	0.02	0.00
0.32	2.00	0.00	9.84	0.02	0.00	0.34	2.00	0.00	9.83	0.02	0.00
0.36	2.00	0.00	9.82	0.02	0.00	0.38	2.00	0.00	9.81	0.02	0.00
0.40	2.00	0.00	9.80	0.02	0.00	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	1.74	0.00	9.24	0.02	0.00	1.54	1.55	0.00	9.23	0.02	0.00
1.56	1.35	0.00	9.22	0.02	0.00	1.58	1.20	0.00	9.21	0.02	0.00
1.60	1.09	0.00	9.20	0.02	0.00	1.62	1.02	0.00	9.19	0.02	0.00
1.64	0.94	0.06	9.18	0.02	0.01	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.96	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	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	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	2.00	0.00	8.47	0.02	0.00
3.08	2.00	0.00	8.46	0.02	0.00	3.10	2.00	0.00	8.45	0.02	0.00
3.12	2.00	0.00	8.44	0.02	0.00	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	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	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	0.52	0.48	7.73	0.02	0.07
4.56	0.55	0.45	7.72	0.02	0.07	4.58	0.58	0.42	7.71	0.02	0.06
4.60	0.59	0.41	7.70	0.02	0.06	4.62	0.57	0.43	7.69	0.02	0.07
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	0.57	0.43	7.61	0.02	0.07
4.80	0.58	0.42	7.60	0.02	0.06	4.82	0.55	0.45	7.59	0.02	0.07
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.80	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
6.20	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
7.10	2.00	0.00	6.45	0.04	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	0.50	0.50	6.15	0.02	0.06	7.72	2.00	0.00	6.14	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
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	8.12	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.66	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
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

:: 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
11.58	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
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

:: 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
13.50	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
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	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: 0.61

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

:: 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)
1.50	137.08	2.00	0.00	1.00	0.00	1.52	133.55	1.74	0.12	1.00	0.00
1.54	127.91	1.55	0.23	1.00	0.00	1.56	120.55	1.35	0.40	1.00	0.01
1.58	113.36	1.20	0.61	1.00	0.01	1.60	106.99	1.09	0.88	1.00	0.02
1.62	101.72	1.02	1.27	1.00	0.03	1.64	95.84	0.94	2.31	1.00	0.05
1.66	29.90	2.00	0.00	1.00	0.00	1.68	25.57	2.00	0.00	1.00	0.00
1.70	23.03	2.00	0.00	1.00	0.00	1.72	21.22	2.00	0.00	1.00	0.00
1.74	20.28	2.00	0.00	1.00	0.00	1.76	19.89	2.00	0.00	1.00	0.00
1.78	19.33	2.00	0.00	1.00	0.00	1.80	18.21	2.00	0.00	1.00	0.00
1.82	18.02	2.00	0.00	1.00	0.00	1.84	17.08	2.00	0.00	1.00	0.00
1.86	16.35	2.00	0.00	1.00	0.00	1.88	16.15	2.00	0.00	1.00	0.00
1.90	15.78	2.00	0.00	1.00	0.00	1.92	16.09	2.00	0.00	1.00	0.00
1.94	16.60	2.00	0.00	1.00	0.00	1.96	16.05	2.00	0.00	1.00	0.00
1.98	15.86	2.00	0.00	1.00	0.00	2.00	15.86	2.00	0.00	1.00	0.00
2.02	15.11	2.00	0.00	1.00	0.00	2.04	14.92	2.00	0.00	1.00	0.00
2.06	14.74	2.00	0.00	1.00	0.00	2.08	14.01	2.00	0.00	1.00	0.00
2.10	13.10	2.00	0.00	1.00	0.00	2.12	12.74	2.00	0.00	1.00	0.00
2.14	12.73	2.00	0.00	1.00	0.00	2.16	12.73	2.00	0.00	1.00	0.00
2.18	12.16	2.00	0.00	1.00	0.00	2.20	12.77	2.00	0.00	1.00	0.00
2.22	13.39	2.00	0.00	1.00	0.00	2.24	13.83	2.00	0.00	1.00	0.00
2.26	14.10	2.00	0.00	1.00	0.00	2.28	13.71	2.00	0.00	1.00	0.00
2.30	13.98	2.00	0.00	1.00	0.00	2.32	14.08	2.00	0.00	1.00	0.00
2.34	14.18	2.00	0.00	1.00	0.00	2.36	14.28	2.00	0.00	1.00	0.00
2.38	14.22	2.00	0.00	1.00	0.00	2.40	14.95	2.00	0.00	1.00	0.00
2.42	15.37	2.00	0.00	1.00	0.00	2.44	14.99	2.00	0.00	1.00	0.00
2.46	15.40	2.00	0.00	1.00	0.00	2.48	15.31	2.00	0.00	1.00	0.00
2.50	15.40	2.00	0.00	1.00	0.00	2.52	15.84	2.00	0.00	1.00	0.00
2.54	16.11	2.00	0.00	1.00	0.00	2.56	16.40	2.00	0.00	1.00	0.00
2.58	16.82	2.00	0.00	1.00	0.00	2.60	17.10	2.00	0.00	1.00	0.00
2.62	16.91	2.00	0.00	1.00	0.00	2.64	16.86	2.00	0.00	1.00	0.00
2.66	16.22	2.00	0.00	1.00	0.00	2.68	14.93	2.00	0.00	1.00	0.00
2.70	14.26	2.00	0.00	1.00	0.00	2.72	13.92	2.00	0.00	1.00	0.00
2.74	14.03	2.00	0.00	1.00	0.00	2.76	13.23	2.00	0.00	1.00	0.00
2.78	13.35	2.00	0.00	1.00	0.00	2.80	13.00	2.00	0.00	1.00	0.00
2.82	11.89	2.00	0.00	1.00	0.00	2.84	11.22	2.00	0.00	1.00	0.00
2.86	11.04	2.00	0.00	1.00	0.00	2.88	10.54	2.00	0.00	1.00	0.00
2.90	11.28	2.00	0.00	1.00	0.00	2.92	12.18	2.00	0.00	1.00	0.00
2.94	12.93	2.00	0.00	1.00	0.00	2.96	13.96	2.00	0.00	1.00	0.00
2.98	14.36	2.00	0.00	1.00	0.00	3.00	13.88	2.00	0.00	1.00	0.00
3.02	13.70	2.00	0.00	1.00	0.00	3.04	13.22	2.00	0.00	1.00	0.00
3.06	12.42	2.00	0.00	1.00	0.00	3.08	11.94	2.00	0.00	1.00	0.00
3.10	11.75	2.00	0.00	1.00	0.00	3.12	12.34	2.00	0.00	1.00	0.00
3.14	12.60	2.00	0.00	1.00	0.00	3.16	11.82	2.00	0.00	1.00	0.00
3.18	15.47	2.00	0.00	1.00	0.00	3.20	14.73	2.00	0.00	1.00	0.00
3.22	14.23	2.00	0.00	1.00	0.00	3.24	14.66	2.00	0.00	1.00	0.00
3.26	14.49	2.00	0.00	1.00	0.00	3.28	14.61	2.00	0.00	1.00	0.00
3.30	14.74	2.00	0.00	1.00	0.00	3.32	14.56	2.00	0.00	1.00	0.00
3.34	14.68	2.00	0.00	1.00	0.00	3.36	14.95	2.00	0.00	1.00	0.00
3.38	15.22	2.00	0.00	1.00	0.00	3.40	15.33	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)
3.42	15.30	2.00	0.00	1.00	0.00	3.44	15.57	2.00	0.00	1.00	0.00
3.46	15.54	2.00	0.00	1.00	0.00	3.48	14.78	2.00	0.00	1.00	0.00
3.50	14.32	2.00	0.00	1.00	0.00	3.52	13.85	2.00	0.00	1.00	0.00
3.54	13.67	2.00	0.00	1.00	0.00	3.56	12.92	2.00	0.00	1.00	0.00
3.58	12.61	2.00	0.00	1.00	0.00	3.60	11.83	2.00	0.00	1.00	0.00
3.62	11.06	2.00	0.00	1.00	0.00	3.64	10.75	2.00	0.00	1.00	0.00
3.66	10.00	2.00	0.00	1.00	0.00	3.68	9.68	2.00	0.00	1.00	0.00
3.70	10.10	2.00	0.00	1.00	0.00	3.72	10.37	2.00	0.00	1.00	0.00
3.74	11.65	2.00	0.00	1.00	0.00	3.76	12.35	2.00	0.00	1.00	0.00
3.78	12.48	2.00	0.00	1.00	0.00	3.80	13.88	2.00	0.00	1.00	0.00
3.82	14.72	2.00	0.00	1.00	0.00	3.84	14.14	2.00	0.00	1.00	0.00
3.86	14.67	2.00	0.00	1.00	0.00	3.88	14.80	2.00	0.00	1.00	0.00
3.90	16.48	2.00	0.00	1.00	0.00	3.92	17.17	2.00	0.00	1.00	0.00
3.94	17.00	2.00	0.00	1.00	0.00	3.96	15.69	2.00	0.00	1.00	0.00
3.98	14.53	2.00	0.00	1.00	0.00	4.00	13.94	2.00	0.00	1.00	0.00
4.02	13.63	2.00	0.00	1.00	0.00	4.04	13.05	2.00	0.00	1.00	0.00
4.06	12.88	2.00	0.00	1.00	0.00	4.08	12.16	2.00	0.00	1.00	0.00
4.10	12.85	2.00	0.00	1.00	0.00	4.12	14.25	2.00	0.00	1.00	0.00
4.14	16.06	2.00	0.00	1.00	0.00	4.16	21.44	2.00	0.00	1.00	0.00
4.18	19.77	2.00	0.00	1.00	0.00	4.20	18.78	2.00	0.00	1.00	0.00
4.22	17.92	2.00	0.00	1.00	0.00	4.24	17.37	2.00	0.00	1.00	0.00
4.26	16.66	2.00	0.00	1.00	0.00	4.28	15.37	2.00	0.00	1.00	0.00
4.30	15.09	2.00	0.00	1.00	0.00	4.32	14.80	2.00	0.00	1.00	0.00
4.34	13.64	2.00	0.00	1.00	0.00	4.36	12.64	2.00	0.00	1.00	0.00
4.38	11.65	2.00	0.00	1.00	0.00	4.40	10.38	2.00	0.00	1.00	0.00
4.42	9.39	2.00	0.00	1.00	0.00	4.44	9.38	2.00	0.00	1.00	0.00
4.46	9.09	2.00	0.00	1.00	0.00	4.48	9.77	2.00	0.00	1.00	0.00
4.50	11.29	2.00	0.00	1.00	0.00	4.52	15.13	2.00	0.00	1.00	0.00
4.54	76.61	0.52	4.18	1.00	0.08	4.56	82.46	0.55	3.89	1.00	0.08
4.58	87.51	0.58	3.67	1.00	0.07	4.60	88.40	0.59	3.64	1.00	0.07
4.62	85.02	0.57	3.78	1.00	0.08	4.64	22.23	2.00	0.00	1.00	0.00
4.66	18.19	2.00	0.00	1.00	0.00	4.68	17.76	2.00	0.00	1.00	0.00
4.70	19.08	2.00	0.00	1.00	0.00	4.72	20.78	2.00	0.00	1.00	0.00
4.74	21.82	2.00	0.00	1.00	0.00	4.76	23.51	2.00	0.00	1.00	0.00
4.78	86.60	0.57	3.71	1.00	0.07	4.80	87.70	0.58	3.67	1.00	0.07
4.82	82.91	0.55	3.87	1.00	0.08	4.84	27.66	2.00	0.00	1.00	0.00
4.86	25.17	2.00	0.00	1.00	0.00	4.88	23.67	2.00	0.00	1.00	0.00
4.90	17.30	2.00	0.00	1.00	0.00	4.92	14.49	2.00	0.00	1.00	0.00
4.94	14.20	2.00	0.00	1.00	0.00	4.96	15.11	2.00	0.00	1.00	0.00
4.98	14.02	2.00	0.00	1.00	0.00	5.00	12.54	2.00	0.00	1.00	0.00
5.02	11.86	2.00	0.00	1.00	0.00	5.04	11.57	2.00	0.00	1.00	0.00
5.06	12.49	2.00	0.00	1.00	0.00	5.08	12.87	2.00	0.00	1.00	0.00
5.10	13.39	2.00	0.00	1.00	0.00	5.12	15.49	2.00	0.00	1.00	0.00
5.14	20.43	2.00	0.00	1.00	0.00	5.16	19.75	2.00	0.00	1.00	0.00
5.18	17.65	2.00	0.00	1.00	0.00	5.20	19.96	2.00	0.00	1.00	0.00
5.22	19.93	2.00	0.00	1.00	0.00	5.24	19.26	2.00	0.00	1.00	0.00
5.26	17.68	2.00	0.00	1.00	0.00	5.28	15.60	2.00	0.00	1.00	0.00
5.30	13.22	2.00	0.00	1.00	0.00	5.32	11.77	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
5.34	13.06	2.00	0.00	1.00	0.00	5.36	14.47	2.00	0.00	1.00	0.00
5.38	14.06	2.00	0.00	1.00	0.00	5.40	12.75	2.00	0.00	1.00	0.00
5.42	12.22	2.00	0.00	1.00	0.00	5.44	12.72	2.00	0.00	1.00	0.00
5.46	12.30	2.00	0.00	1.00	0.00	5.48	10.87	2.00	0.00	1.00	0.00
5.50	9.56	2.00	0.00	1.00	0.00	5.52	8.77	2.00	0.00	1.00	0.00
5.54	8.76	2.00	0.00	1.00	0.00	5.56	8.36	2.00	0.00	1.00	0.00
5.58	8.35	2.00	0.00	1.00	0.00	5.60	8.34	2.00	0.00	1.00	0.00
5.62	8.97	2.00	0.00	1.00	0.00	5.64	9.48	2.00	0.00	1.00	0.00
5.66	9.34	2.00	0.00	1.00	0.00	5.68	9.20	2.00	0.00	1.00	0.00
5.70	8.80	2.00	0.00	1.00	0.00	5.72	8.15	2.00	0.00	1.00	0.00
5.74	7.75	2.00	0.00	1.00	0.00	5.76	7.23	2.00	0.00	1.00	0.00
5.78	6.84	2.00	0.00	1.00	0.00	5.80	6.83	2.00	0.00	1.00	0.00
5.82	6.44	2.00	0.00	1.00	0.00	5.84	5.92	2.00	0.00	1.00	0.00
5.86	5.40	2.00	0.00	1.00	0.00	5.88	4.88	2.00	0.00	1.00	0.00
5.90	4.49	2.00	0.00	1.00	0.00	5.92	4.36	2.00	0.00	1.00	0.00
5.94	4.22	2.00	0.00	1.00	0.00	5.96	4.35	2.00	0.00	1.00	0.00
5.98	4.21	2.00	0.00	1.00	0.00	6.00	4.36	2.00	0.00	1.00	0.00
6.02	4.48	2.00	0.00	1.00	0.00	6.04	4.48	2.00	0.00	1.00	0.00
6.06	4.22	2.00	0.00	1.00	0.00	6.08	3.96	2.00	0.00	1.00	0.00
6.10	3.96	2.00	0.00	1.00	0.00	6.12	4.56	2.00	0.00	1.00	0.00
6.14	4.04	2.00	0.00	1.00	0.00	6.16	4.29	2.00	0.00	1.00	0.00
6.18	4.04	2.00	0.00	1.00	0.00	6.20	4.03	2.00	0.00	1.00	0.00
6.22	4.04	2.00	0.00	1.00	0.00	6.24	3.64	2.00	0.00	1.00	0.00
6.26	3.65	2.00	0.00	1.00	0.00	6.28	3.90	2.00	0.00	1.00	0.00
6.30	3.90	2.00	0.00	1.00	0.00	6.32	4.27	2.00	0.00	1.00	0.00
6.34	4.40	2.00	0.00	1.00	0.00	6.36	5.02	2.00	0.00	1.00	0.00
6.38	5.29	2.00	0.00	1.00	0.00	6.40	5.92	2.00	0.00	1.00	0.00
6.42	6.54	2.00	0.00	1.00	0.00	6.44	6.78	2.00	0.00	1.00	0.00
6.46	6.78	2.00	0.00	1.00	0.00	6.48	8.15	2.00	0.00	1.00	0.00
6.50	9.38	2.00	0.00	1.00	0.00	6.52	8.75	2.00	0.00	1.00	0.00
6.54	8.00	2.00	0.00	1.00	0.00	6.56	8.12	2.00	0.00	1.00	0.00
6.58	7.12	2.00	0.00	1.00	0.00	6.60	5.76	2.00	0.00	1.00	0.00
6.62	5.25	2.00	0.00	1.00	0.00	6.64	5.25	2.00	0.00	1.00	0.00
6.66	5.12	2.00	0.00	1.00	0.00	6.68	6.23	2.00	0.00	1.00	0.00
6.70	8.07	2.00	0.00	1.00	0.00	6.72	10.03	2.00	0.00	1.00	0.00
6.74	10.64	2.00	0.00	1.00	0.00	6.76	11.24	2.00	0.00	1.00	0.00
6.78	9.63	2.00	0.00	1.00	0.00	6.80	7.91	2.00	0.00	1.00	0.00
6.82	6.32	2.00	0.00	1.00	0.00	6.84	7.17	2.00	0.00	1.00	0.00
6.86	7.78	2.00	0.00	1.00	0.00	6.88	7.53	2.00	0.00	1.00	0.00
6.90	7.64	2.00	0.00	1.00	0.00	6.92	9.95	2.00	0.00	1.00	0.00
6.94	14.30	2.00	0.00	1.00	0.00	6.96	17.54	2.00	0.00	1.00	0.00
6.98	18.48	2.00	0.00	1.00	0.00	7.00	16.66	2.00	0.00	1.00	0.00
7.02	14.96	2.00	0.00	1.00	0.00	7.04	13.62	2.00	0.00	1.00	0.00
7.06	10.60	2.00	0.00	1.00	0.00	7.10	7.61	2.00	0.00	1.00	0.00
7.12	7.60	2.00	0.00	1.00	0.00	7.14	8.19	2.00	0.00	1.00	0.00
7.16	8.43	2.00	0.00	1.00	0.00	7.18	8.90	2.00	0.00	1.00	0.00
7.20	10.57	2.00	0.00	1.00	0.00	7.22	10.80	2.00	0.00	1.00	0.00
7.24	8.88	2.00	0.00	1.00	0.00	7.26	7.91	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)
7.28	7.66	2.00	0.00	1.00	0.00	7.30	7.05	2.00	0.00	1.00	0.00
7.32	6.57	2.00	0.00	1.00	0.00	7.34	7.40	2.00	0.00	1.00	0.00
7.36	8.11	2.00	0.00	1.00	0.00	7.38	8.10	2.00	0.00	1.00	0.00
7.40	7.62	2.00	0.00	1.00	0.00	7.42	6.78	2.00	0.00	1.00	0.00
7.44	7.13	2.00	0.00	1.00	0.00	7.46	7.73	2.00	0.00	1.00	0.00
7.48	7.71	2.00	0.00	1.00	0.00	7.50	7.35	2.00	0.00	1.00	0.00
7.52	8.65	2.00	0.00	1.00	0.00	7.54	9.95	2.00	0.00	1.00	0.00
7.56	9.70	2.00	0.00	1.00	0.00	7.58	10.75	2.00	0.00	1.00	0.00
7.60	11.45	2.00	0.00	1.00	0.00	7.62	10.73	2.00	0.00	1.00	0.00
7.64	12.96	2.00	0.00	1.00	0.00	7.66	19.13	2.00	0.00	1.00	0.00
7.68	22.48	2.00	0.00	1.00	0.00	7.70	81.34	0.50	3.95	1.00	0.08
7.72	23.47	2.00	0.00	1.00	0.00	7.74	22.18	2.00	0.00	1.00	0.00
7.76	19.26	2.00	0.00	1.00	0.00	7.78	14.48	2.00	0.00	1.00	0.00
7.80	10.16	2.00	0.00	1.00	0.00	7.82	7.35	2.00	0.00	1.00	0.00
7.84	6.76	2.00	0.00	1.00	0.00	7.86	6.76	2.00	0.00	1.00	0.00
7.88	6.17	2.00	0.00	1.00	0.00	7.90	5.93	2.00	0.00	1.00	0.00
7.92	5.69	2.00	0.00	1.00	0.00	7.94	6.03	2.00	0.00	1.00	0.00
7.96	7.31	2.00	0.00	1.00	0.00	7.98	9.39	2.00	0.00	1.00	0.00
8.00	10.41	2.00	0.00	1.00	0.00	8.02	9.94	2.00	0.00	1.00	0.00
8.04	8.66	2.00	0.00	1.00	0.00	8.06	8.58	2.00	0.00	1.00	0.00
8.08	7.53	2.00	0.00	1.00	0.00	8.10	7.17	2.00	0.00	1.00	0.00
8.12	6.71	2.00	0.00	1.00	0.00	8.14	6.93	2.00	0.00	1.00	0.00
8.16	7.84	2.00	0.00	1.00	0.00	8.18	9.45	2.00	0.00	1.00	0.00
8.20	11.04	2.00	0.00	1.00	0.00	8.22	11.15	2.00	0.00	1.00	0.00
8.24	10.34	2.00	0.00	1.00	0.00	8.26	9.98	2.00	0.00	1.00	0.00
8.28	9.06	2.00	0.00	1.00	0.00	8.30	7.91	2.00	0.00	1.00	0.00
8.32	6.87	2.00	0.00	1.00	0.00	8.34	7.09	2.00	0.00	1.00	0.00
8.36	7.43	2.00	0.00	1.00	0.00	8.38	7.31	2.00	0.00	1.00	0.00
8.40	7.30	2.00	0.00	1.00	0.00	8.42	7.39	2.00	0.00	1.00	0.00
8.44	7.52	2.00	0.00	1.00	0.00	8.46	7.51	2.00	0.00	1.00	0.00
8.48	7.39	2.00	0.00	1.00	0.00	8.50	7.27	2.00	0.00	1.00	0.00
8.52	7.38	2.00	0.00	1.00	0.00	8.54	7.14	2.00	0.00	1.00	0.00
8.56	7.25	2.00	0.00	1.00	0.00	8.58	7.24	2.00	0.00	1.00	0.00
8.60	7.01	2.00	0.00	1.00	0.00	8.62	7.01	2.00	0.00	1.00	0.00
8.64	7.11	2.00	0.00	1.00	0.00	8.66	6.99	2.00	0.00	1.00	0.00
8.68	7.10	2.00	0.00	1.00	0.00	8.70	7.77	2.00	0.00	1.00	0.00
8.72	8.21	2.00	0.00	1.00	0.00	8.74	8.33	2.00	0.00	1.00	0.00
8.76	8.55	2.00	0.00	1.00	0.00	8.78	8.20	2.00	0.00	1.00	0.00
8.80	7.07	2.00	0.00	1.00	0.00	8.82	6.62	2.00	0.00	1.00	0.00
8.84	7.73	2.00	0.00	1.00	0.00	8.86	10.85	2.00	0.00	1.00	0.00
8.88	12.62	2.00	0.00	1.00	0.00	8.90	12.28	2.00	0.00	1.00	0.00
8.92	11.60	2.00	0.00	1.00	0.00	8.94	10.81	2.00	0.00	1.00	0.00
8.96	9.14	2.00	0.00	1.00	0.00	8.98	9.46	2.00	0.00	1.00	0.00
9.00	10.01	2.00	0.00	1.00	0.00	9.02	9.00	2.00	0.00	1.00	0.00
9.04	9.81	2.00	0.00	1.00	0.00	9.06	8.14	2.00	0.00	1.00	0.00
9.08	6.93	2.00	0.00	1.00	0.00	9.10	6.69	2.00	0.00	1.00	0.00
9.12	6.91	2.00	0.00	1.00	0.00	9.14	7.01	2.00	0.00	1.00	0.00
9.16	7.33	2.00	0.00	1.00	0.00	9.18	8.10	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.20	8.53	2.00	0.00	1.00	0.00	9.22	8.96	2.00	0.00	1.00	0.00
9.24	9.07	2.00	0.00	1.00	0.00	9.26	9.06	2.00	0.00	1.00	0.00
9.28	9.27	2.00	0.00	1.00	0.00	9.30	9.04	2.00	0.00	1.00	0.00
9.32	9.03	2.00	0.00	1.00	0.00	9.34	8.81	2.00	0.00	1.00	0.00
9.36	8.47	2.00	0.00	1.00	0.00	9.38	8.14	2.00	0.00	1.00	0.00
9.40	7.69	2.00	0.00	1.00	0.00	9.42	7.03	2.00	0.00	1.00	0.00
9.44	6.59	2.00	0.00	1.00	0.00	9.46	6.36	2.00	0.00	1.00	0.00
9.48	6.01	2.00	0.00	1.00	0.00	9.50	6.01	2.00	0.00	1.00	0.00
9.52	5.78	2.00	0.00	1.00	0.00	9.54	5.78	2.00	0.00	1.00	0.00
9.56	5.67	2.00	0.00	1.00	0.00	9.58	5.66	2.00	0.00	1.00	0.00
9.60	5.98	2.00	0.00	1.00	0.00	9.62	6.41	2.00	0.00	1.00	0.00
9.64	6.73	2.00	0.00	1.00	0.00	9.66	6.94	2.00	0.00	1.00	0.00
9.68	7.04	2.00	0.00	1.00	0.00	9.70	6.93	2.00	0.00	1.00	0.00
9.72	6.93	2.00	0.00	1.00	0.00	9.74	6.92	2.00	0.00	1.00	0.00
9.76	6.81	2.00	0.00	1.00	0.00	9.78	6.91	2.00	0.00	1.00	0.00
9.80	7.01	2.00	0.00	1.00	0.00	9.82	6.90	2.00	0.00	1.00	0.00
9.84	6.70	2.00	0.00	1.00	0.00	9.86	6.48	2.00	0.00	1.00	0.00
9.88	6.79	2.00	0.00	1.00	0.00	9.90	7.00	2.00	0.00	1.00	0.00
9.92	7.43	2.00	0.00	1.00	0.00	9.94	7.31	2.00	0.00	1.00	0.00
9.96	7.52	2.00	0.00	1.00	0.00	9.98	7.62	2.00	0.00	1.00	0.00
10.00	7.51	2.00	0.00	1.00	0.00	10.02	8.28	2.00	0.00	1.00	0.00
10.04	7.64	2.00	0.00	1.00	0.00	10.06	7.10	2.00	0.00	1.00	0.00
10.08	7.10	2.00	0.00	1.00	0.00	10.10	6.99	2.00	0.00	1.00	0.00
10.12	6.98	2.00	0.00	1.00	0.00	10.14	6.98	2.00	0.00	1.00	0.00
10.16	6.86	2.00	0.00	1.00	0.00	10.18	6.65	2.00	0.00	1.00	0.00
10.20	6.22	2.00	0.00	1.00	0.00	10.22	6.42	2.00	0.00	1.00	0.00
10.24	6.63	2.00	0.00	1.00	0.00	10.26	6.84	2.00	0.00	1.00	0.00
10.28	6.73	2.00	0.00	1.00	0.00	10.30	6.62	2.00	0.00	1.00	0.00
10.32	6.82	2.00	0.00	1.00	0.00	10.34	7.34	2.00	0.00	1.00	0.00
10.36	7.55	2.00	0.00	1.00	0.00	10.38	7.33	2.00	0.00	1.00	0.00
10.40	6.80	2.00	0.00	1.00	0.00	10.42	6.58	2.00	0.00	1.00	0.00
10.44	6.58	2.00	0.00	1.00	0.00	10.46	6.57	2.00	0.00	1.00	0.00
10.48	6.26	2.00	0.00	1.00	0.00	10.50	6.57	2.00	0.00	1.00	0.00
10.52	6.98	2.00	0.00	1.00	0.00	10.54	7.29	2.00	0.00	1.00	0.00
10.56	7.81	2.00	0.00	1.00	0.00	10.58	8.53	2.00	0.00	1.00	0.00
10.60	8.84	2.00	0.00	1.00	0.00	10.62	9.04	2.00	0.00	1.00	0.00
10.64	9.03	2.00	0.00	1.00	0.00	10.66	9.44	2.00	0.00	1.00	0.00
10.68	9.23	2.00	0.00	1.00	0.00	10.70	9.12	2.00	0.00	1.00	0.00
10.72	9.42	2.00	0.00	1.00	0.00	10.74	9.41	2.00	0.00	1.00	0.00
10.76	9.20	2.00	0.00	1.00	0.00	10.78	9.40	2.00	0.00	1.00	0.00
10.80	9.49	2.00	0.00	1.00	0.00	10.82	9.48	2.00	0.00	1.00	0.00
10.84	9.37	2.00	0.00	1.00	0.00	10.86	9.88	2.00	0.00	1.00	0.00
10.88	9.97	2.00	0.00	1.00	0.00	10.90	9.85	2.00	0.00	1.00	0.00
10.92	9.85	2.00	0.00	1.00	0.00	10.94	9.63	2.00	0.00	1.00	0.00
10.96	9.93	2.00	0.00	1.00	0.00	10.98	10.22	2.00	0.00	1.00	0.00
11.00	10.02	2.00	0.00	1.00	0.00	11.02	9.91	2.00	0.00	1.00	0.00
11.04	9.80	2.00	0.00	1.00	0.00	11.06	9.89	2.00	0.00	1.00	0.00
11.08	9.88	2.00	0.00	1.00	0.00	11.10	9.36	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.12	9.05	2.00	0.00	1.00	0.00	11.14	8.93	2.00	0.00	1.00	0.00
11.16	9.02	2.00	0.00	1.00	0.00	11.18	9.42	2.00	0.00	1.00	0.00
11.20	9.42	2.00	0.00	1.00	0.00	11.22	9.30	2.00	0.00	1.00	0.00
11.24	9.70	2.00	0.00	1.00	0.00	11.26	9.38	2.00	0.00	1.00	0.00
11.28	8.87	2.00	0.00	1.00	0.00	11.30	8.86	2.00	0.00	1.00	0.00
11.32	8.95	2.00	0.00	1.00	0.00	11.34	9.25	2.00	0.00	1.00	0.00
11.36	9.44	2.00	0.00	1.00	0.00	11.38	9.73	2.00	0.00	1.00	0.00
11.40	10.23	2.00	0.00	1.00	0.00	11.42	10.02	2.00	0.00	1.00	0.00
11.44	10.19	2.00	0.00	1.00	0.00	11.46	10.19	2.00	0.00	1.00	0.00
11.48	10.38	2.00	0.00	1.00	0.00	11.50	10.67	2.00	0.00	1.00	0.00
11.52	10.87	2.00	0.00	1.00	0.00	11.54	11.56	2.00	0.00	1.00	0.00
11.56	11.86	2.00	0.00	1.00	0.00	11.58	11.84	2.00	0.00	1.00	0.00
11.60	11.83	2.00	0.00	1.00	0.00	11.62	11.72	2.00	0.00	1.00	0.00
11.64	11.71	2.00	0.00	1.00	0.00	11.66	11.90	2.00	0.00	1.00	0.00
11.68	11.98	2.00	0.00	1.00	0.00	11.70	11.77	2.00	0.00	1.00	0.00
11.72	11.76	2.00	0.00	1.00	0.00	11.74	11.65	2.00	0.00	1.00	0.00
11.76	11.44	2.00	0.00	1.00	0.00	11.78	11.22	2.00	0.00	1.00	0.00
11.80	10.71	2.00	0.00	1.00	0.00	11.82	10.50	2.00	0.00	1.00	0.00
11.84	10.00	2.00	0.00	1.00	0.00	11.86	9.77	2.00	0.00	1.00	0.00
11.88	9.36	2.00	0.00	1.00	0.00	11.90	9.16	2.00	0.00	1.00	0.00
11.92	8.65	2.00	0.00	1.00	0.00	11.94	9.03	2.00	0.00	1.00	0.00
11.96	10.19	2.00	0.00	1.00	0.00	11.98	10.87	2.00	0.00	1.00	0.00
12.00	11.24	2.00	0.00	1.00	0.00	12.02	11.65	2.00	0.00	1.00	0.00
12.04	11.84	2.00	0.00	1.00	0.00	12.06	11.71	2.00	0.00	1.00	0.00
12.08	11.70	2.00	0.00	1.00	0.00	12.10	11.69	2.00	0.00	1.00	0.00
12.12	11.88	2.00	0.00	1.00	0.00	12.14	11.87	2.00	0.00	1.00	0.00
12.16	11.86	2.00	0.00	1.00	0.00	12.18	11.65	2.00	0.00	1.00	0.00
12.20	11.53	2.00	0.00	1.00	0.00	12.22	11.42	2.00	0.00	1.00	0.00
12.24	11.61	2.00	0.00	1.00	0.00	12.26	11.50	2.00	0.00	1.00	0.00
12.28	11.39	2.00	0.00	1.00	0.00	12.30	11.18	2.00	0.00	1.00	0.00
12.32	10.97	2.00	0.00	1.00	0.00	12.34	11.06	2.00	0.00	1.00	0.00
12.36	10.66	2.00	0.00	1.00	0.00	12.38	10.82	2.00	0.00	1.00	0.00
12.40	10.82	2.00	0.00	1.00	0.00	12.42	10.99	2.00	0.00	1.00	0.00
12.44	10.98	2.00	0.00	1.00	0.00	12.46	10.97	2.00	0.00	1.00	0.00
12.48	10.96	2.00	0.00	1.00	0.00	12.50	10.85	2.00	0.00	1.00	0.00
12.52	10.44	2.00	0.00	1.00	0.00	12.54	9.95	2.00	0.00	1.00	0.00
12.56	9.85	2.00	0.00	1.00	0.00	12.58	9.65	2.00	0.00	1.00	0.00
12.60	9.44	2.00	0.00	1.00	0.00	12.62	9.43	2.00	0.00	1.00	0.00
12.64	9.71	2.00	0.00	1.00	0.00	12.66	10.17	2.00	0.00	1.00	0.00
12.68	10.45	2.00	0.00	1.00	0.00	12.70	10.63	2.00	0.00	1.00	0.00
12.72	10.62	2.00	0.00	1.00	0.00	12.74	10.61	2.00	0.00	1.00	0.00
12.76	10.31	2.00	0.00	1.00	0.00	12.78	10.01	2.00	0.00	1.00	0.00
12.80	10.00	2.00	0.00	1.00	0.00	12.82	10.09	2.00	0.00	1.00	0.00
12.84	10.08	2.00	0.00	1.00	0.00	12.86	9.98	2.00	0.00	1.00	0.00
12.88	9.69	2.00	0.00	1.00	0.00	12.90	9.49	2.00	0.00	1.00	0.00
12.92	9.28	2.00	0.00	1.00	0.00	12.94	9.56	2.00	0.00	1.00	0.00
12.96	9.55	2.00	0.00	1.00	0.00	12.98	10.02	2.00	0.00	1.00	0.00
13.00	10.20	2.00	0.00	1.00	0.00	13.02	10.58	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.04	10.57	2.00	0.00	1.00	0.00	13.06	10.56	2.00	0.00	1.00	0.00
13.08	10.74	2.00	0.00	1.00	0.00	13.10	11.12	2.00	0.00	1.00	0.00
13.12	11.39	2.00	0.00	1.00	0.00	13.14	11.29	2.00	0.00	1.00	0.00
13.16	11.37	2.00	0.00	1.00	0.00	13.18	11.65	2.00	0.00	1.00	0.00
13.20	11.36	2.00	0.00	1.00	0.00	13.22	11.54	2.00	0.00	1.00	0.00
13.24	11.34	2.00	0.00	1.00	0.00	13.26	11.33	2.00	0.00	1.00	0.00
13.28	11.51	2.00	0.00	1.00	0.00	13.30	11.60	2.00	0.00	1.00	0.00
13.32	11.68	2.00	0.00	1.00	0.00	13.34	11.66	2.00	0.00	1.00	0.00
13.36	11.56	2.00	0.00	1.00	0.00	13.38	11.74	2.00	0.00	1.00	0.00
13.40	12.01	2.00	0.00	1.00	0.00	13.42	11.70	2.00	0.00	1.00	0.00
13.44	11.60	2.00	0.00	1.00	0.00	13.46	11.49	2.00	0.00	1.00	0.00
13.48	11.57	2.00	0.00	1.00	0.00	13.50	11.55	2.00	0.00	1.00	0.00
13.52	11.36	2.00	0.00	1.00	0.00	13.54	11.07	2.00	0.00	1.00	0.00
13.56	11.14	2.00	0.00	1.00	0.00	13.58	11.04	2.00	0.00	1.00	0.00
13.60	11.49	2.00	0.00	1.00	0.00	13.62	12.14	2.00	0.00	1.00	0.00
13.64	12.86	2.00	0.00	1.00	0.00	13.66	13.03	2.00	0.00	1.00	0.00
13.68	13.11	2.00	0.00	1.00	0.00	13.70	13.00	2.00	0.00	1.00	0.00
13.72	13.27	2.00	0.00	1.00	0.00	13.74	13.07	2.00	0.00	1.00	0.00
13.76	12.87	2.00	0.00	1.00	0.00	13.78	12.86	2.00	0.00	1.00	0.00
13.80	12.38	2.00	0.00	1.00	0.00	13.82	12.37	2.00	0.00	1.00	0.00
13.84	12.34	2.00	0.00	1.00	0.00	13.86	11.87	2.00	0.00	1.00	0.00
13.88	11.95	2.00	0.00	1.00	0.00	13.90	12.13	2.00	0.00	1.00	0.00
13.92	11.64	2.00	0.00	1.00	0.00	13.94	10.99	2.00	0.00	1.00	0.00
13.96	10.43	2.00	0.00	1.00	0.00	13.98	10.60	2.00	0.00	1.00	0.00
14.00	10.32	2.00	0.00	1.00	0.00	14.02	10.31	2.00	0.00	1.00	0.00
14.04	9.57	2.00	0.00	1.00	0.00	14.06	8.56	2.00	0.00	1.00	0.00
14.08	7.81	2.00	0.00	1.00	0.00	14.10	8.54	2.00	0.00	1.00	0.00
14.12	11.92	2.00	0.00	1.00	0.00	14.14	15.77	2.00	0.00	1.00	0.00
14.16	18.25	2.00	0.00	1.00	0.00	14.18	18.69	2.00	0.00	1.00	0.00
14.20	17.11	2.00	0.00	1.00	0.00	14.22	15.26	2.00	0.00	1.00	0.00
14.24	15.07	2.00	0.00	1.00	0.00	14.26	14.87	2.00	0.00	1.00	0.00
14.28	14.41	2.00	0.00	1.00	0.00	14.30	13.30	2.00	0.00	1.00	0.00
14.32	11.01	2.00	0.00	1.00	0.00	14.34	10.01	2.00	0.00	1.00	0.00
14.36	11.27	2.00	0.00	1.00	0.00	14.38	13.27	2.00	0.00	1.00	0.00
14.40	14.00	2.00	0.00	1.00	0.00	14.42	12.62	2.00	0.00	1.00	0.00
14.44	10.71	2.00	0.00	1.00	0.00	14.46	9.43	2.00	0.00	1.00	0.00
14.48	9.61	2.00	0.00	1.00	0.00	14.50	10.69	2.00	0.00	1.00	0.00
14.52	9.50	2.00	0.00	1.00	0.00	14.54	8.07	2.00	0.00	1.00	0.00
14.56	7.79	2.00	0.00	1.00	0.00	14.58	7.79	2.00	0.00	1.00	0.00
14.60	7.42	2.00	0.00	1.00	0.00	14.62	6.97	2.00	0.00	1.00	0.00
14.64	7.15	2.00	0.00	1.00	0.00	14.66	7.95	2.00	0.00	1.00	0.00
14.68	7.77	2.00	0.00	1.00	0.00	14.70	8.21	2.00	0.00	1.00	0.00
14.72	10.99	2.00	0.00	1.00	0.00	14.74	14.04	2.00	0.00	1.00	0.00
14.76	15.50	2.00	0.00	1.00	0.00	14.78	14.86	2.00	0.00	1.00	0.00
14.80	13.05	2.00	0.00	1.00	0.00	14.82	11.42	2.00	0.00	1.00	0.00
14.84	9.63	2.00	0.00	1.00	0.00	14.86	9.62	2.00	0.00	1.00	0.00
14.88	12.12	2.00	0.00	1.00	0.00	14.90	17.68	2.00	0.00	1.00	0.00
14.92	17.49	2.00	0.00	1.00	0.00	14.94	16.94	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)
14.96	14.49	2.00	0.00	1.00	0.00	14.98	11.34	2.00	0.00	1.00	0.00
15.00	8.49	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.80

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

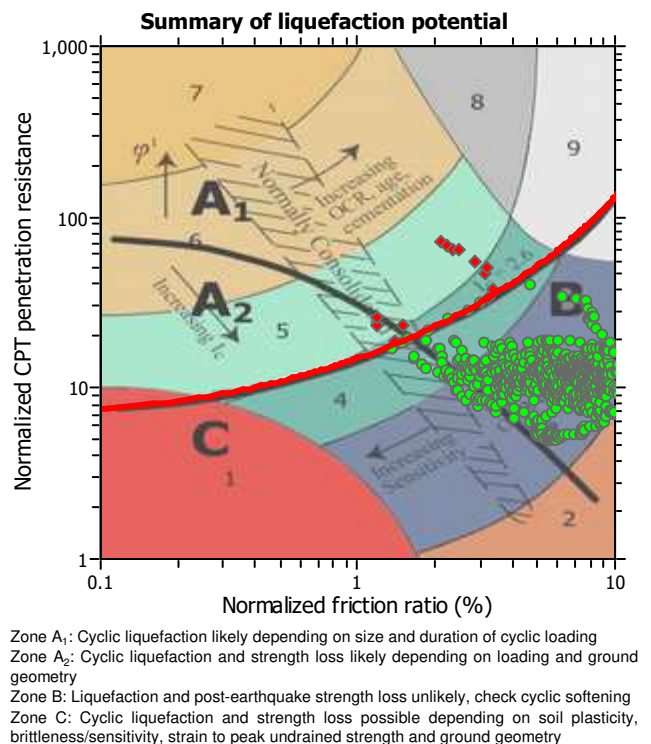
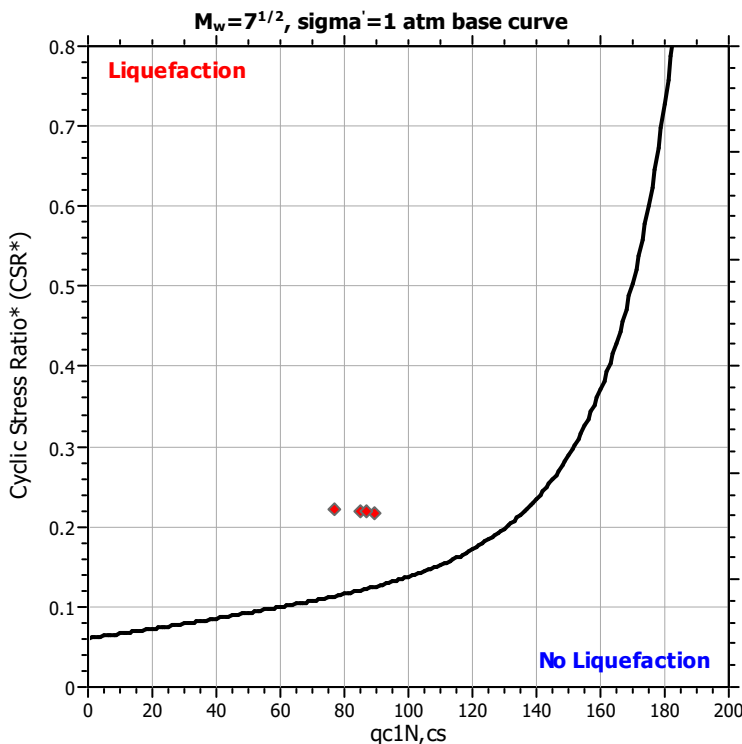
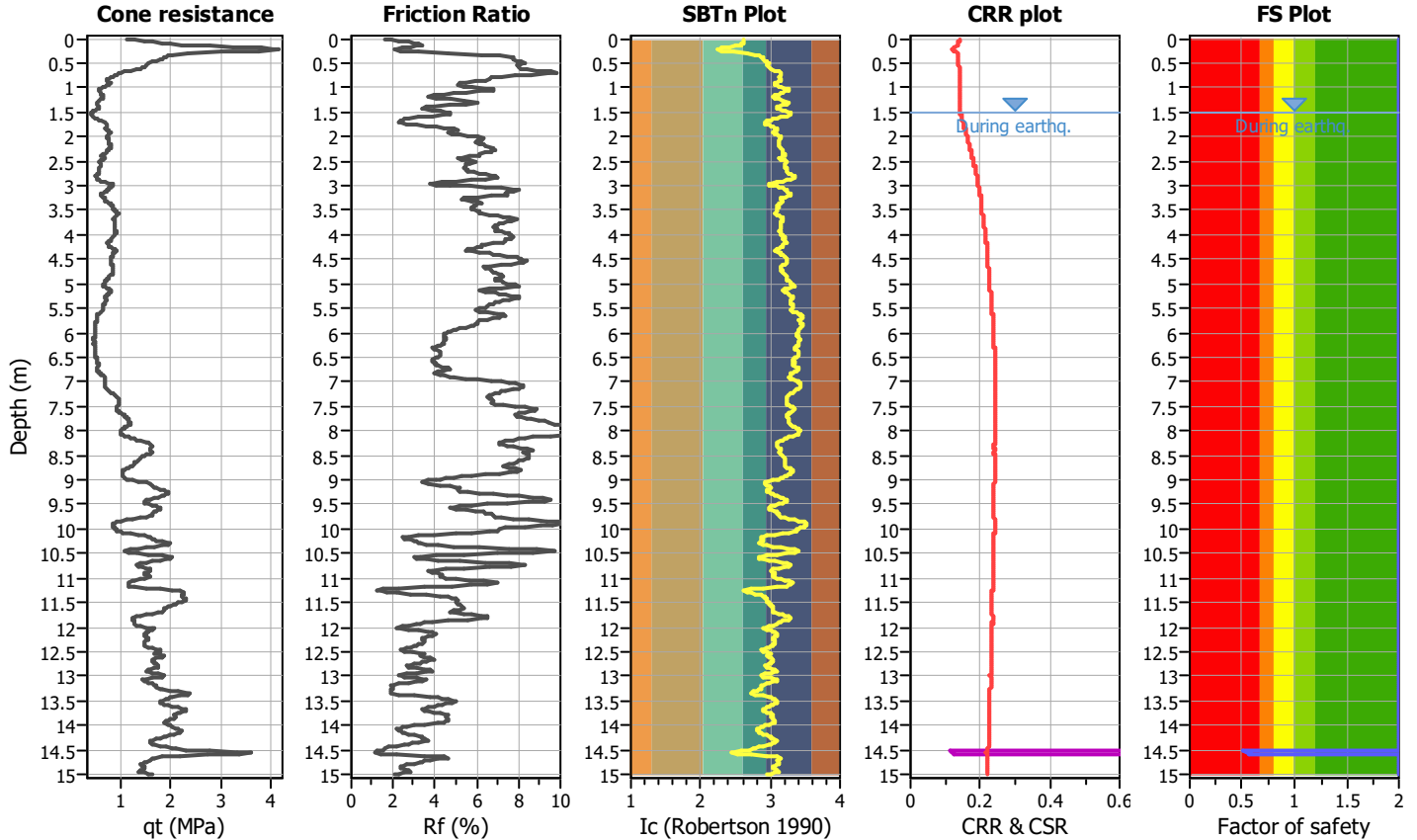
Project title :

Location :

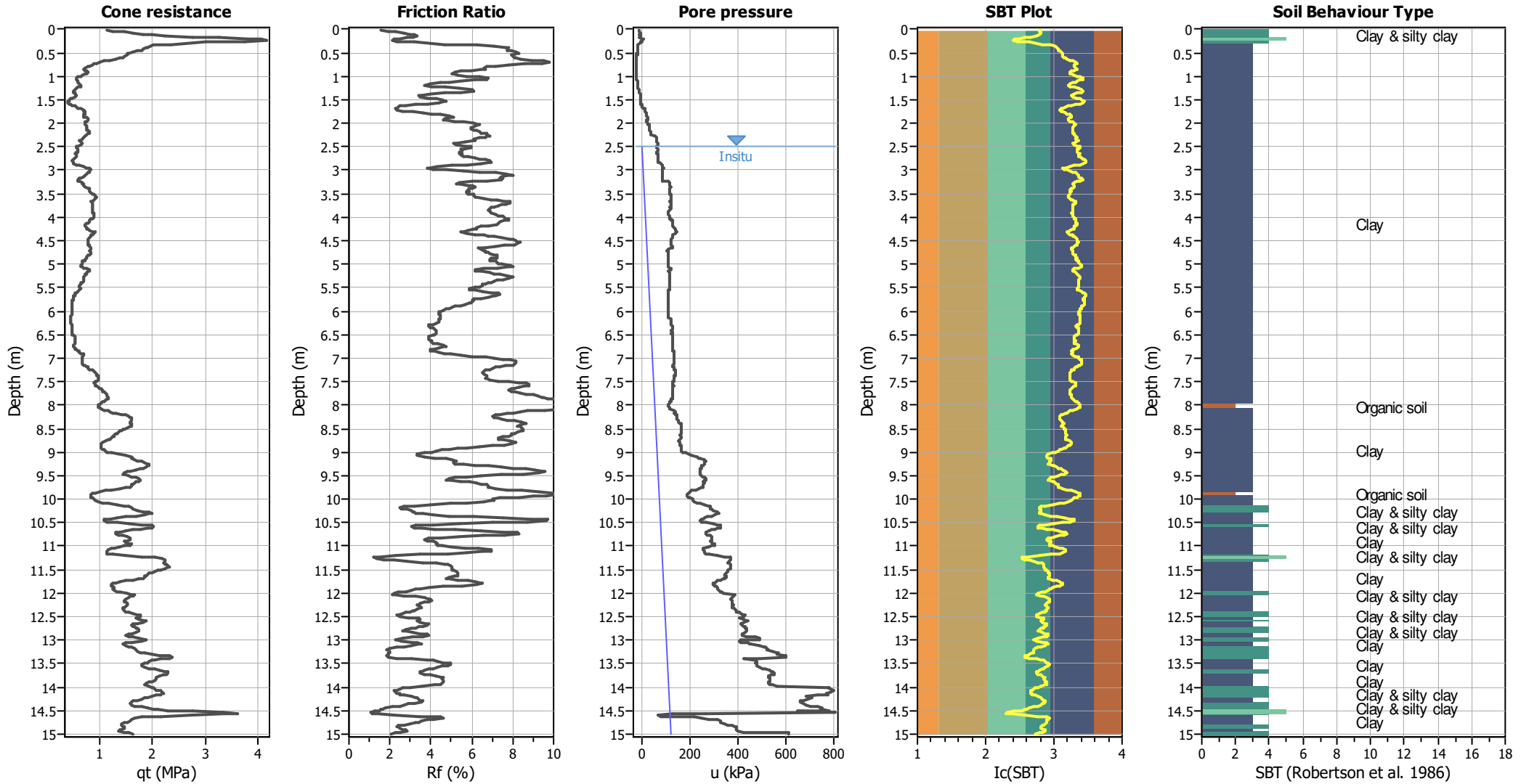
CPT file : cptu10

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



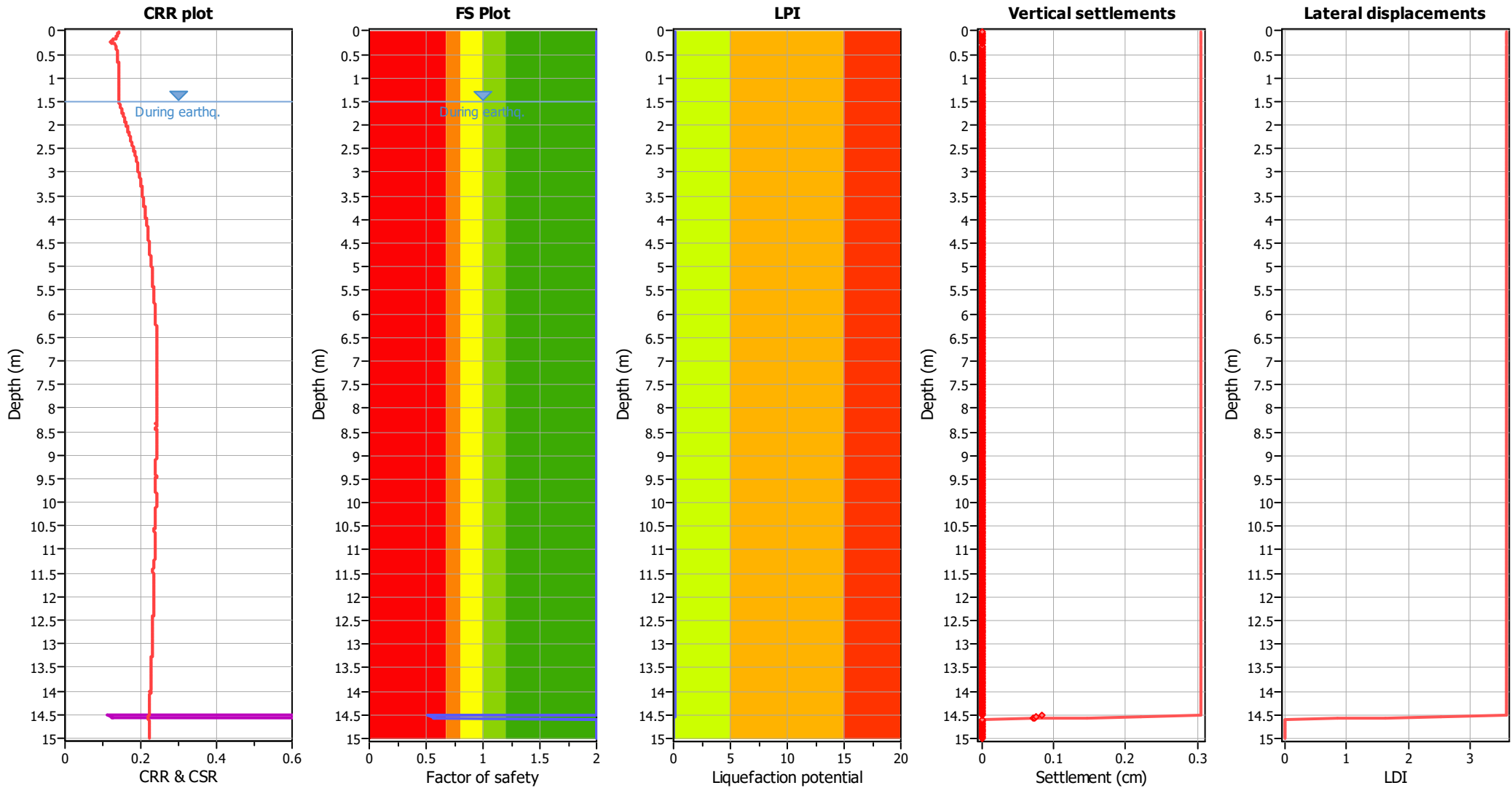
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_f applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.32	2.00	0.00	9.84	0.04	0.00	0.34	2.00	0.00	9.83	0.02	0.00
0.36	2.00	0.00	9.82	0.02	0.00	0.38	2.00	0.00	9.81	0.02	0.00
0.40	2.00	0.00	9.80	0.02	0.00	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
1.30	2.00	0.00	9.35	0.04	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.98	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
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	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.90	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
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.82	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.74	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	8.12	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	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	9.10	2.00	0.00	5.45	0.04	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.68	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	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

:: 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
11.60	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	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

:: 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
13.52	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	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	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	0.51	0.49	2.74	0.02	0.03	14.54	0.55	0.45	2.73	0.02	0.02
14.56	0.58	0.42	2.72	0.02	0.02	14.58	0.56	0.44	2.71	0.02	0.02
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: 0.10

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

:: 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)
1.50	7.32	2.00	0.00	1.00	0.00	1.52	6.78	2.00	0.00	1.00	0.00
1.54	6.23	2.00	0.00	1.00	0.00	1.56	6.59	2.00	0.00	1.00	0.00
1.58	6.94	2.00	0.00	1.00	0.00	1.60	7.27	2.00	0.00	1.00	0.00
1.62	8.16	2.00	0.00	1.00	0.00	1.64	8.68	2.00	0.00	1.00	0.00
1.66	9.04	2.00	0.00	1.00	0.00	1.68	9.91	2.00	0.00	1.00	0.00
1.70	10.80	2.00	0.00	1.00	0.00	1.72	11.88	2.00	0.00	1.00	0.00
1.74	11.68	2.00	0.00	1.00	0.00	1.76	11.86	2.00	0.00	1.00	0.00
1.78	11.83	2.00	0.00	1.00	0.00	1.80	11.83	2.00	0.00	1.00	0.00
1.82	11.81	2.00	0.00	1.00	0.00	1.84	11.10	2.00	0.00	1.00	0.00
1.86	11.44	2.00	0.00	1.00	0.00	1.88	12.51	2.00	0.00	1.00	0.00
1.90	12.85	2.00	0.00	1.00	0.00	1.92	12.85	2.00	0.00	1.00	0.00
1.94	12.83	2.00	0.00	1.00	0.00	1.96	12.44	2.00	0.00	1.00	0.00
1.98	11.91	2.00	0.00	1.00	0.00	2.00	11.71	2.00	0.00	1.00	0.00
2.02	11.87	2.00	0.00	1.00	0.00	2.04	12.21	2.00	0.00	1.00	0.00
2.06	12.39	2.00	0.00	1.00	0.00	2.08	12.54	2.00	0.00	1.00	0.00
2.10	12.34	2.00	0.00	1.00	0.00	2.12	12.52	2.00	0.00	1.00	0.00
2.14	12.68	2.00	0.00	1.00	0.00	2.16	12.67	2.00	0.00	1.00	0.00
2.18	13.37	2.00	0.00	1.00	0.00	2.20	13.51	2.00	0.00	1.00	0.00
2.22	13.15	2.00	0.00	1.00	0.00	2.24	11.71	2.00	0.00	1.00	0.00
2.26	12.92	2.00	0.00	1.00	0.00	2.28	11.67	2.00	0.00	1.00	0.00
2.30	11.32	2.00	0.00	1.00	0.00	2.32	11.66	2.00	0.00	1.00	0.00
2.34	11.12	2.00	0.00	1.00	0.00	2.36	10.21	2.00	0.00	1.00	0.00
2.38	9.62	2.00	0.00	1.00	0.00	2.40	9.92	2.00	0.00	1.00	0.00
2.42	11.06	2.00	0.00	1.00	0.00	2.44	10.84	2.00	0.00	1.00	0.00
2.46	9.94	2.00	0.00	1.00	0.00	2.48	9.72	2.00	0.00	1.00	0.00
2.50	8.67	2.00	0.00	1.00	0.00	2.52	8.47	2.00	0.00	1.00	0.00
2.54	9.46	2.00	0.00	1.00	0.00	2.56	9.60	2.00	0.00	1.00	0.00
2.58	8.91	2.00	0.00	1.00	0.00	2.60	9.23	2.00	0.00	1.00	0.00
2.62	9.18	2.00	0.00	1.00	0.00	2.64	8.34	2.00	0.00	1.00	0.00
2.66	8.32	2.00	0.00	1.00	0.00	2.68	8.46	2.00	0.00	1.00	0.00
2.70	8.77	2.00	0.00	1.00	0.00	2.72	8.41	2.00	0.00	1.00	0.00
2.74	8.40	2.00	0.00	1.00	0.00	2.76	7.89	2.00	0.00	1.00	0.00
2.78	7.53	2.00	0.00	1.00	0.00	2.80	7.51	2.00	0.00	1.00	0.00
2.82	7.49	2.00	0.00	1.00	0.00	2.84	7.64	2.00	0.00	1.00	0.00
2.86	7.59	2.00	0.00	1.00	0.00	2.88	8.24	2.00	0.00	1.00	0.00
2.90	9.20	2.00	0.00	1.00	0.00	2.92	10.30	2.00	0.00	1.00	0.00
2.94	11.56	2.00	0.00	1.00	0.00	2.96	12.48	2.00	0.00	1.00	0.00
2.98	12.77	2.00	0.00	1.00	0.00	3.00	12.59	2.00	0.00	1.00	0.00
3.02	12.24	2.00	0.00	1.00	0.00	3.04	11.75	2.00	0.00	1.00	0.00
3.06	11.85	2.00	0.00	1.00	0.00	3.08	10.88	2.00	0.00	1.00	0.00
3.10	10.85	2.00	0.00	1.00	0.00	3.12	10.52	2.00	0.00	1.00	0.00
3.14	10.34	2.00	0.00	1.00	0.00	3.16	9.67	2.00	0.00	1.00	0.00
3.18	8.71	2.00	0.00	1.00	0.00	3.20	8.52	2.00	0.00	1.00	0.00
3.22	8.50	2.00	0.00	1.00	0.00	3.24	9.28	2.00	0.00	1.00	0.00
3.26	9.42	2.00	0.00	1.00	0.00	3.28	10.03	2.00	0.00	1.00	0.00
3.30	9.70	2.00	0.00	1.00	0.00	3.32	10.00	2.00	0.00	1.00	0.00
3.34	10.13	2.00	0.00	1.00	0.00	3.36	10.58	2.00	0.00	1.00	0.00
3.38	11.03	2.00	0.00	1.00	0.00	3.40	11.76	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)
3.42	11.74	2.00	0.00	1.00	0.00	3.44	11.72	2.00	0.00	1.00	0.00
3.46	11.55	2.00	0.00	1.00	0.00	3.48	11.84	2.00	0.00	1.00	0.00
3.50	11.94	2.00	0.00	1.00	0.00	3.52	12.68	2.00	0.00	1.00	0.00
3.54	12.81	2.00	0.00	1.00	0.00	3.56	13.39	2.00	0.00	1.00	0.00
3.58	13.37	2.00	0.00	1.00	0.00	3.60	13.18	2.00	0.00	1.00	0.00
3.62	12.56	2.00	0.00	1.00	0.00	3.64	12.37	2.00	0.00	1.00	0.00
3.66	12.20	2.00	0.00	1.00	0.00	3.68	11.58	2.00	0.00	1.00	0.00
3.70	11.71	2.00	0.00	1.00	0.00	3.72	12.57	2.00	0.00	1.00	0.00
3.74	12.25	2.00	0.00	1.00	0.00	3.76	11.79	2.00	0.00	1.00	0.00
3.78	12.04	2.00	0.00	1.00	0.00	3.80	12.02	2.00	0.00	1.00	0.00
3.82	11.69	2.00	0.00	1.00	0.00	3.84	11.96	2.00	0.00	1.00	0.00
3.86	11.95	2.00	0.00	1.00	0.00	3.88	11.62	2.00	0.00	1.00	0.00
3.90	12.19	2.00	0.00	1.00	0.00	3.92	12.01	2.00	0.00	1.00	0.00
3.94	12.57	2.00	0.00	1.00	0.00	3.96	12.26	2.00	0.00	1.00	0.00
3.98	12.08	2.00	0.00	1.00	0.00	4.00	12.21	2.00	0.00	1.00	0.00
4.02	11.75	2.00	0.00	1.00	0.00	4.04	11.41	2.00	0.00	1.00	0.00
4.06	11.10	2.00	0.00	1.00	0.00	4.08	10.79	2.00	0.00	1.00	0.00
4.10	10.91	2.00	0.00	1.00	0.00	4.12	10.74	2.00	0.00	1.00	0.00
4.14	10.00	2.00	0.00	1.00	0.00	4.16	9.68	2.00	0.00	1.00	0.00
4.18	9.52	2.00	0.00	1.00	0.00	4.20	9.94	2.00	0.00	1.00	0.00
4.22	10.06	2.00	0.00	1.00	0.00	4.24	9.91	2.00	0.00	1.00	0.00
4.26	10.18	2.00	0.00	1.00	0.00	4.28	10.89	2.00	0.00	1.00	0.00
4.30	11.59	2.00	0.00	1.00	0.00	4.32	12.28	2.00	0.00	1.00	0.00
4.34	12.27	2.00	0.00	1.00	0.00	4.36	11.11	2.00	0.00	1.00	0.00
4.38	11.09	2.00	0.00	1.00	0.00	4.40	10.93	2.00	0.00	1.00	0.00
4.42	11.04	2.00	0.00	1.00	0.00	4.44	10.74	2.00	0.00	1.00	0.00
4.46	10.44	2.00	0.00	1.00	0.00	4.48	10.14	2.00	0.00	1.00	0.00
4.50	10.41	2.00	0.00	1.00	0.00	4.52	10.39	2.00	0.00	1.00	0.00
4.54	10.38	2.00	0.00	1.00	0.00	4.56	10.08	2.00	0.00	1.00	0.00
4.58	10.46	2.00	0.00	1.00	0.00	4.60	10.02	2.00	0.00	1.00	0.00
4.62	10.57	2.00	0.00	1.00	0.00	4.64	11.12	2.00	0.00	1.00	0.00
4.66	11.10	2.00	0.00	1.00	0.00	4.68	10.79	2.00	0.00	1.00	0.00
4.70	10.50	2.00	0.00	1.00	0.00	4.72	10.62	2.00	0.00	1.00	0.00
4.74	10.74	2.00	0.00	1.00	0.00	4.76	10.99	2.00	0.00	1.00	0.00
4.78	10.70	2.00	0.00	1.00	0.00	4.80	10.54	2.00	0.00	1.00	0.00
4.82	10.11	2.00	0.00	1.00	0.00	4.84	9.54	2.00	0.00	1.00	0.00
4.86	9.66	2.00	0.00	1.00	0.00	4.88	9.37	2.00	0.00	1.00	0.00
4.90	9.49	2.00	0.00	1.00	0.00	4.92	9.06	2.00	0.00	1.00	0.00
4.94	8.64	2.00	0.00	1.00	0.00	4.96	8.20	2.00	0.00	1.00	0.00
4.98	8.60	2.00	0.00	1.00	0.00	5.00	8.45	2.00	0.00	1.00	0.00
5.02	8.02	2.00	0.00	1.00	0.00	5.04	8.01	2.00	0.00	1.00	0.00
5.06	8.41	2.00	0.00	1.00	0.00	5.08	8.65	2.00	0.00	1.00	0.00
5.10	9.59	2.00	0.00	1.00	0.00	5.12	10.26	2.00	0.00	1.00	0.00
5.14	10.25	2.00	0.00	1.00	0.00	5.16	9.42	2.00	0.00	1.00	0.00
5.18	9.48	2.00	0.00	1.00	0.00	5.20	9.20	2.00	0.00	1.00	0.00
5.22	9.18	2.00	0.00	1.00	0.00	5.24	8.76	2.00	0.00	1.00	0.00
5.26	8.62	2.00	0.00	1.00	0.00	5.28	8.33	2.00	0.00	1.00	0.00
5.30	8.46	2.00	0.00	1.00	0.00	5.32	8.72	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)
5.34	8.57	2.00	0.00	1.00	0.00	5.36	8.42	2.00	0.00	1.00	0.00
5.38	8.28	2.00	0.00	1.00	0.00	5.40	8.00	2.00	0.00	1.00	0.00
5.42	7.85	2.00	0.00	1.00	0.00	5.44	7.71	2.00	0.00	1.00	0.00
5.46	7.70	2.00	0.00	1.00	0.00	5.48	7.29	2.00	0.00	1.00	0.00
5.50	7.67	2.00	0.00	1.00	0.00	5.52	7.80	2.00	0.00	1.00	0.00
5.54	7.66	2.00	0.00	1.00	0.00	5.56	7.24	2.00	0.00	1.00	0.00
5.58	6.96	2.00	0.00	1.00	0.00	5.60	6.69	2.00	0.00	1.00	0.00
5.62	6.28	2.00	0.00	1.00	0.00	5.64	6.14	2.00	0.00	1.00	0.00
5.66	6.26	2.00	0.00	1.00	0.00	5.68	6.25	2.00	0.00	1.00	0.00
5.70	5.71	2.00	0.00	1.00	0.00	5.72	5.97	2.00	0.00	1.00	0.00
5.74	6.10	2.00	0.00	1.00	0.00	5.76	5.96	2.00	0.00	1.00	0.00
5.78	5.69	2.00	0.00	1.00	0.00	5.80	5.68	2.00	0.00	1.00	0.00
5.82	5.67	2.00	0.00	1.00	0.00	5.84	5.40	2.00	0.00	1.00	0.00
5.86	5.53	2.00	0.00	1.00	0.00	5.88	5.52	2.00	0.00	1.00	0.00
5.90	5.65	2.00	0.00	1.00	0.00	5.92	5.51	2.00	0.00	1.00	0.00
5.94	5.50	2.00	0.00	1.00	0.00	5.96	5.37	2.00	0.00	1.00	0.00
5.98	5.49	2.00	0.00	1.00	0.00	6.00	5.63	2.00	0.00	1.00	0.00
6.02	5.48	2.00	0.00	1.00	0.00	6.04	5.49	2.00	0.00	1.00	0.00
6.06	5.48	2.00	0.00	1.00	0.00	6.08	5.47	2.00	0.00	1.00	0.00
6.10	5.34	2.00	0.00	1.00	0.00	6.12	5.20	2.00	0.00	1.00	0.00
6.14	5.20	2.00	0.00	1.00	0.00	6.16	5.22	2.00	0.00	1.00	0.00
6.18	5.21	2.00	0.00	1.00	0.00	6.20	5.33	2.00	0.00	1.00	0.00
6.22	5.20	2.00	0.00	1.00	0.00	6.24	5.19	2.00	0.00	1.00	0.00
6.26	5.19	2.00	0.00	1.00	0.00	6.28	5.31	2.00	0.00	1.00	0.00
6.30	5.56	2.00	0.00	1.00	0.00	6.32	5.69	2.00	0.00	1.00	0.00
6.34	5.56	2.00	0.00	1.00	0.00	6.36	5.43	2.00	0.00	1.00	0.00
6.38	5.17	2.00	0.00	1.00	0.00	6.40	5.29	2.00	0.00	1.00	0.00
6.42	5.41	2.00	0.00	1.00	0.00	6.44	5.41	2.00	0.00	1.00	0.00
6.46	5.27	2.00	0.00	1.00	0.00	6.48	5.40	2.00	0.00	1.00	0.00
6.50	5.39	2.00	0.00	1.00	0.00	6.52	5.89	2.00	0.00	1.00	0.00
6.54	5.89	2.00	0.00	1.00	0.00	6.56	6.01	2.00	0.00	1.00	0.00
6.58	5.88	2.00	0.00	1.00	0.00	6.60	5.87	2.00	0.00	1.00	0.00
6.62	5.99	2.00	0.00	1.00	0.00	6.64	5.86	2.00	0.00	1.00	0.00
6.66	6.24	2.00	0.00	1.00	0.00	6.68	6.10	2.00	0.00	1.00	0.00
6.70	5.96	2.00	0.00	1.00	0.00	6.72	5.58	2.00	0.00	1.00	0.00
6.74	5.45	2.00	0.00	1.00	0.00	6.76	5.58	2.00	0.00	1.00	0.00
6.78	5.83	2.00	0.00	1.00	0.00	6.80	6.07	2.00	0.00	1.00	0.00
6.82	6.44	2.00	0.00	1.00	0.00	6.84	6.56	2.00	0.00	1.00	0.00
6.86	6.80	2.00	0.00	1.00	0.00	6.88	6.92	2.00	0.00	1.00	0.00
6.90	7.41	2.00	0.00	1.00	0.00	6.92	7.77	2.00	0.00	1.00	0.00
6.94	7.89	2.00	0.00	1.00	0.00	6.96	7.51	2.00	0.00	1.00	0.00
6.98	7.50	2.00	0.00	1.00	0.00	7.00	7.37	2.00	0.00	1.00	0.00
7.02	7.36	2.00	0.00	1.00	0.00	7.04	7.35	2.00	0.00	1.00	0.00
7.06	7.34	2.00	0.00	1.00	0.00	7.08	7.33	2.00	0.00	1.00	0.00
7.10	7.45	2.00	0.00	1.00	0.00	7.12	7.44	2.00	0.00	1.00	0.00
7.14	7.73	2.00	0.00	1.00	0.00	7.16	7.97	2.00	0.00	1.00	0.00
7.18	8.45	2.00	0.00	1.00	0.00	7.20	8.56	2.00	0.00	1.00	0.00
7.22	8.67	2.00	0.00	1.00	0.00	7.24	9.15	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
7.26	9.37	2.00	0.00	1.00	0.00	7.28	9.97	2.00	0.00	1.00	0.00
7.30	9.83	2.00	0.00	1.00	0.00	7.32	10.43	2.00	0.00	1.00	0.00
7.34	10.66	2.00	0.00	1.00	0.00	7.36	10.52	2.00	0.00	1.00	0.00
7.38	10.63	2.00	0.00	1.00	0.00	7.40	10.74	2.00	0.00	1.00	0.00
7.42	10.60	2.00	0.00	1.00	0.00	7.44	10.70	2.00	0.00	1.00	0.00
7.46	10.57	2.00	0.00	1.00	0.00	7.48	10.44	2.00	0.00	1.00	0.00
7.50	9.93	2.00	0.00	1.00	0.00	7.52	9.80	2.00	0.00	1.00	0.00
7.54	9.78	2.00	0.00	1.00	0.00	7.56	9.89	2.00	0.00	1.00	0.00
7.58	10.12	2.00	0.00	1.00	0.00	7.60	10.21	2.00	0.00	1.00	0.00
7.62	10.44	2.00	0.00	1.00	0.00	7.64	10.90	2.00	0.00	1.00	0.00
7.66	11.35	2.00	0.00	1.00	0.00	7.68	11.34	2.00	0.00	1.00	0.00
7.70	11.80	2.00	0.00	1.00	0.00	7.72	11.77	2.00	0.00	1.00	0.00
7.74	12.11	2.00	0.00	1.00	0.00	7.76	12.22	2.00	0.00	1.00	0.00
7.78	12.53	2.00	0.00	1.00	0.00	7.80	12.28	2.00	0.00	1.00	0.00
7.82	12.62	2.00	0.00	1.00	0.00	7.84	12.71	2.00	0.00	1.00	0.00
7.86	12.81	2.00	0.00	1.00	0.00	7.88	12.45	2.00	0.00	1.00	0.00
7.90	11.96	2.00	0.00	1.00	0.00	7.92	11.94	2.00	0.00	1.00	0.00
7.94	11.33	2.00	0.00	1.00	0.00	7.96	11.09	2.00	0.00	1.00	0.00
7.98	10.71	2.00	0.00	1.00	0.00	8.00	10.47	2.00	0.00	1.00	0.00
8.02	10.55	2.00	0.00	1.00	0.00	8.04	10.65	2.00	0.00	1.00	0.00
8.06	10.41	2.00	0.00	1.00	0.00	8.08	10.62	2.00	0.00	1.00	0.00
8.10	11.87	2.00	0.00	1.00	0.00	8.12	12.32	2.00	0.00	1.00	0.00
8.14	12.88	2.00	0.00	1.00	0.00	8.16	13.09	2.00	0.00	1.00	0.00
8.18	13.88	2.00	0.00	1.00	0.00	8.20	14.90	2.00	0.00	1.00	0.00
8.22	16.02	2.00	0.00	1.00	0.00	8.24	16.58	2.00	0.00	1.00	0.00
8.26	16.79	2.00	0.00	1.00	0.00	8.28	16.99	2.00	0.00	1.00	0.00
8.30	16.97	2.00	0.00	1.00	0.00	8.32	17.18	2.00	0.00	1.00	0.00
8.34	16.82	2.00	0.00	1.00	0.00	8.36	16.58	2.00	0.00	1.00	0.00
8.38	16.56	2.00	0.00	1.00	0.00	8.40	16.43	2.00	0.00	1.00	0.00
8.42	17.19	2.00	0.00	1.00	0.00	8.44	17.06	2.00	0.00	1.00	0.00
8.46	16.59	2.00	0.00	1.00	0.00	8.48	15.78	2.00	0.00	1.00	0.00
8.50	15.29	2.00	0.00	1.00	0.00	8.52	14.82	2.00	0.00	1.00	0.00
8.54	14.47	2.00	0.00	1.00	0.00	8.56	14.33	2.00	0.00	1.00	0.00
8.58	13.97	2.00	0.00	1.00	0.00	8.60	13.95	2.00	0.00	1.00	0.00
8.62	13.37	2.00	0.00	1.00	0.00	8.64	13.12	2.00	0.00	1.00	0.00
8.66	13.00	2.00	0.00	1.00	0.00	8.68	12.97	2.00	0.00	1.00	0.00
8.70	12.62	2.00	0.00	1.00	0.00	8.72	12.37	2.00	0.00	1.00	0.00
8.74	11.91	2.00	0.00	1.00	0.00	8.76	11.11	2.00	0.00	1.00	0.00
8.78	10.76	2.00	0.00	1.00	0.00	8.80	10.63	2.00	0.00	1.00	0.00
8.82	10.51	2.00	0.00	1.00	0.00	8.84	10.50	2.00	0.00	1.00	0.00
8.86	10.37	2.00	0.00	1.00	0.00	8.88	10.47	2.00	0.00	1.00	0.00
8.90	10.35	2.00	0.00	1.00	0.00	8.92	10.45	2.00	0.00	1.00	0.00
8.94	10.44	2.00	0.00	1.00	0.00	8.96	10.97	2.00	0.00	1.00	0.00
8.98	11.07	2.00	0.00	1.00	0.00	9.00	11.28	2.00	0.00	1.00	0.00
9.02	12.15	2.00	0.00	1.00	0.00	9.04	13.57	2.00	0.00	1.00	0.00
9.06	15.32	2.00	0.00	1.00	0.00	9.10	16.67	2.00	0.00	1.00	0.00
9.12	16.23	2.00	0.00	1.00	0.00	9.14	15.98	2.00	0.00	1.00	0.00
9.16	16.31	2.00	0.00	1.00	0.00	9.18	17.05	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
9.20	17.69	2.00	0.00	1.00	0.00	9.22	18.98	2.00	0.00	1.00	0.00
9.24	19.18	2.00	0.00	1.00	0.00	9.26	19.38	2.00	0.00	1.00	0.00
9.28	19.36	2.00	0.00	1.00	0.00	9.30	18.90	2.00	0.00	1.00	0.00
9.32	18.56	2.00	0.00	1.00	0.00	9.34	18.32	2.00	0.00	1.00	0.00
9.36	17.54	2.00	0.00	1.00	0.00	9.38	16.54	2.00	0.00	1.00	0.00
9.40	15.88	2.00	0.00	1.00	0.00	9.42	14.67	2.00	0.00	1.00	0.00
9.44	14.11	2.00	0.00	1.00	0.00	9.46	14.09	2.00	0.00	1.00	0.00
9.48	14.39	2.00	0.00	1.00	0.00	9.50	15.00	2.00	0.00	1.00	0.00
9.52	15.85	2.00	0.00	1.00	0.00	9.54	16.47	2.00	0.00	1.00	0.00
9.56	17.42	2.00	0.00	1.00	0.00	9.58	17.39	2.00	0.00	1.00	0.00
9.60	17.47	2.00	0.00	1.00	0.00	9.62	17.02	2.00	0.00	1.00	0.00
9.64	16.24	2.00	0.00	1.00	0.00	9.66	16.22	2.00	0.00	1.00	0.00
9.68	15.77	2.00	0.00	1.00	0.00	9.70	15.75	2.00	0.00	1.00	0.00
9.72	15.52	2.00	0.00	1.00	0.00	9.74	15.50	2.00	0.00	1.00	0.00
9.76	14.74	2.00	0.00	1.00	0.00	9.78	13.23	2.00	0.00	1.00	0.00
9.80	11.73	2.00	0.00	1.00	0.00	9.82	10.54	2.00	0.00	1.00	0.00
9.84	9.36	2.00	0.00	1.00	0.00	9.86	8.49	2.00	0.00	1.00	0.00
9.88	8.16	2.00	0.00	1.00	0.00	9.90	7.84	2.00	0.00	1.00	0.00
9.92	7.82	2.00	0.00	1.00	0.00	9.94	7.71	2.00	0.00	1.00	0.00
9.96	7.70	2.00	0.00	1.00	0.00	9.98	7.90	2.00	0.00	1.00	0.00
10.00	8.62	2.00	0.00	1.00	0.00	10.02	8.41	2.00	0.00	1.00	0.00
10.04	8.61	2.00	0.00	1.00	0.00	10.06	9.15	2.00	0.00	1.00	0.00
10.08	9.56	2.00	0.00	1.00	0.00	10.10	10.81	2.00	0.00	1.00	0.00
10.12	12.79	2.00	0.00	1.00	0.00	10.14	14.14	2.00	0.00	1.00	0.00
10.16	14.75	2.00	0.00	1.00	0.00	10.18	15.28	2.00	0.00	1.00	0.00
10.20	15.15	2.00	0.00	1.00	0.00	10.22	15.65	2.00	0.00	1.00	0.00
10.24	15.85	2.00	0.00	1.00	0.00	10.26	17.10	2.00	0.00	1.00	0.00
10.28	18.65	2.00	0.00	1.00	0.00	10.30	18.84	2.00	0.00	1.00	0.00
10.32	18.83	2.00	0.00	1.00	0.00	10.34	17.46	2.00	0.00	1.00	0.00
10.36	15.78	2.00	0.00	1.00	0.00	10.38	14.21	2.00	0.00	1.00	0.00
10.40	12.23	2.00	0.00	1.00	0.00	10.42	10.67	2.00	0.00	1.00	0.00
10.44	9.94	2.00	0.00	1.00	0.00	10.46	9.51	2.00	0.00	1.00	0.00
10.48	10.33	2.00	0.00	1.00	0.00	10.50	11.76	2.00	0.00	1.00	0.00
10.52	14.64	2.00	0.00	1.00	0.00	10.54	17.08	2.00	0.00	1.00	0.00
10.56	18.92	2.00	0.00	1.00	0.00	10.58	19.41	2.00	0.00	1.00	0.00
10.60	18.47	2.00	0.00	1.00	0.00	10.62	17.94	2.00	0.00	1.00	0.00
10.64	16.69	2.00	0.00	1.00	0.00	10.66	15.03	2.00	0.00	1.00	0.00
10.68	13.89	2.00	0.00	1.00	0.00	10.70	12.45	2.00	0.00	1.00	0.00
10.72	11.82	2.00	0.00	1.00	0.00	10.74	11.91	2.00	0.00	1.00	0.00
10.76	12.10	2.00	0.00	1.00	0.00	10.78	13.21	2.00	0.00	1.00	0.00
10.80	14.11	2.00	0.00	1.00	0.00	10.82	14.39	2.00	0.00	1.00	0.00
10.84	14.69	2.00	0.00	1.00	0.00	10.86	14.67	2.00	0.00	1.00	0.00
10.88	13.73	2.00	0.00	1.00	0.00	10.90	13.01	2.00	0.00	1.00	0.00
10.92	13.40	2.00	0.00	1.00	0.00	10.94	14.19	2.00	0.00	1.00	0.00
10.96	14.79	2.00	0.00	1.00	0.00	10.98	14.57	2.00	0.00	1.00	0.00
11.00	13.55	2.00	0.00	1.00	0.00	11.02	12.22	2.00	0.00	1.00	0.00
11.04	11.68	2.00	0.00	1.00	0.00	11.06	10.77	2.00	0.00	1.00	0.00
11.08	10.26	2.00	0.00	1.00	0.00	11.10	10.05	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.12	10.55	2.00	0.00	1.00	0.00	11.14	10.04	2.00	0.00	1.00	0.00
11.16	9.73	2.00	0.00	1.00	0.00	11.18	10.62	2.00	0.00	1.00	0.00
11.20	13.42	2.00	0.00	1.00	0.00	11.22	16.31	2.00	0.00	1.00	0.00
11.24	18.90	2.00	0.00	1.00	0.00	11.26	20.08	2.00	0.00	1.00	0.00
11.28	20.27	2.00	0.00	1.00	0.00	11.30	20.67	2.00	0.00	1.00	0.00
11.32	20.26	2.00	0.00	1.00	0.00	11.34	20.04	2.00	0.00	1.00	0.00
11.36	19.63	2.00	0.00	1.00	0.00	11.38	20.41	2.00	0.00	1.00	0.00
11.40	20.49	2.00	0.00	1.00	0.00	11.42	20.87	2.00	0.00	1.00	0.00
11.44	20.86	2.00	0.00	1.00	0.00	11.46	20.84	2.00	0.00	1.00	0.00
11.48	20.02	2.00	0.00	1.00	0.00	11.50	19.31	2.00	0.00	1.00	0.00
11.52	18.89	2.00	0.00	1.00	0.00	11.54	18.37	2.00	0.00	1.00	0.00
11.56	17.66	2.00	0.00	1.00	0.00	11.58	17.45	2.00	0.00	1.00	0.00
11.60	16.92	2.00	0.00	1.00	0.00	11.62	16.51	2.00	0.00	1.00	0.00
11.64	16.49	2.00	0.00	1.00	0.00	11.66	16.57	2.00	0.00	1.00	0.00
11.68	16.35	2.00	0.00	1.00	0.00	11.70	15.35	2.00	0.00	1.00	0.00
11.72	14.35	2.00	0.00	1.00	0.00	11.74	13.25	2.00	0.00	1.00	0.00
11.76	12.06	2.00	0.00	1.00	0.00	11.78	11.25	2.00	0.00	1.00	0.00
11.80	10.75	2.00	0.00	1.00	0.00	11.82	10.36	2.00	0.00	1.00	0.00
11.84	10.44	2.00	0.00	1.00	0.00	11.86	10.91	2.00	0.00	1.00	0.00
11.88	11.30	2.00	0.00	1.00	0.00	11.90	11.00	2.00	0.00	1.00	0.00
11.92	10.69	2.00	0.00	1.00	0.00	11.94	10.88	2.00	0.00	1.00	0.00
11.96	11.16	2.00	0.00	1.00	0.00	11.98	12.02	2.00	0.00	1.00	0.00
12.00	12.79	2.00	0.00	1.00	0.00	12.02	14.35	2.00	0.00	1.00	0.00
12.04	14.63	2.00	0.00	1.00	0.00	12.06	14.14	2.00	0.00	1.00	0.00
12.08	13.65	2.00	0.00	1.00	0.00	12.10	13.05	2.00	0.00	1.00	0.00
12.12	13.04	2.00	0.00	1.00	0.00	12.14	12.66	2.00	0.00	1.00	0.00
12.16	12.65	2.00	0.00	1.00	0.00	12.18	12.64	2.00	0.00	1.00	0.00
12.20	12.63	2.00	0.00	1.00	0.00	12.22	12.91	2.00	0.00	1.00	0.00
12.24	13.39	2.00	0.00	1.00	0.00	12.26	12.89	2.00	0.00	1.00	0.00
12.28	12.88	2.00	0.00	1.00	0.00	12.30	12.30	2.00	0.00	1.00	0.00
12.32	12.19	2.00	0.00	1.00	0.00	12.34	12.38	2.00	0.00	1.00	0.00
12.36	12.27	2.00	0.00	1.00	0.00	12.38	12.36	2.00	0.00	1.00	0.00
12.40	12.35	2.00	0.00	1.00	0.00	12.42	12.91	2.00	0.00	1.00	0.00
12.44	13.86	2.00	0.00	1.00	0.00	12.46	14.52	2.00	0.00	1.00	0.00
12.48	15.47	2.00	0.00	1.00	0.00	12.50	15.17	2.00	0.00	1.00	0.00
12.52	14.40	2.00	0.00	1.00	0.00	12.54	13.72	2.00	0.00	1.00	0.00
12.56	14.47	2.00	0.00	1.00	0.00	12.58	15.89	2.00	0.00	1.00	0.00
12.60	16.45	2.00	0.00	1.00	0.00	12.62	15.39	2.00	0.00	1.00	0.00
12.64	14.33	2.00	0.00	1.00	0.00	12.66	13.65	2.00	0.00	1.00	0.00
12.68	13.45	2.00	0.00	1.00	0.00	12.70	13.63	2.00	0.00	1.00	0.00
12.72	13.91	2.00	0.00	1.00	0.00	12.74	13.90	2.00	0.00	1.00	0.00
12.76	14.36	2.00	0.00	1.00	0.00	12.78	14.63	2.00	0.00	1.00	0.00
12.80	14.62	2.00	0.00	1.00	0.00	12.82	14.71	2.00	0.00	1.00	0.00
12.84	14.13	2.00	0.00	1.00	0.00	12.86	13.25	2.00	0.00	1.00	0.00
12.88	12.68	2.00	0.00	1.00	0.00	12.90	12.48	2.00	0.00	1.00	0.00
12.92	12.28	2.00	0.00	1.00	0.00	12.94	13.31	2.00	0.00	1.00	0.00
12.96	14.71	2.00	0.00	1.00	0.00	12.98	15.07	2.00	0.00	1.00	0.00
13.00	17.18	2.00	0.00	1.00	0.00	13.02	14.63	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.04	13.49	2.00	0.00	1.00	0.00	13.06	12.00	2.00	0.00	1.00	0.00
13.08	11.43	2.00	0.00	1.00	0.00	13.10	11.51	2.00	0.00	1.00	0.00
13.12	12.44	2.00	0.00	1.00	0.00	13.14	12.71	2.00	0.00	1.00	0.00
13.16	12.79	2.00	0.00	1.00	0.00	13.18	13.72	2.00	0.00	1.00	0.00
13.20	13.99	2.00	0.00	1.00	0.00	13.22	13.70	2.00	0.00	1.00	0.00
13.24	13.60	2.00	0.00	1.00	0.00	13.26	14.43	2.00	0.00	1.00	0.00
13.28	15.07	2.00	0.00	1.00	0.00	13.30	15.43	2.00	0.00	1.00	0.00
13.32	18.32	2.00	0.00	1.00	0.00	13.34	18.86	2.00	0.00	1.00	0.00
13.36	20.36	2.00	0.00	1.00	0.00	13.38	19.68	2.00	0.00	1.00	0.00
13.40	17.72	2.00	0.00	1.00	0.00	13.42	16.50	2.00	0.00	1.00	0.00
13.44	16.21	2.00	0.00	1.00	0.00	13.46	16.10	2.00	0.00	1.00	0.00
13.48	15.53	2.00	0.00	1.00	0.00	13.50	14.96	2.00	0.00	1.00	0.00
13.52	14.58	2.00	0.00	1.00	0.00	13.54	14.48	2.00	0.00	1.00	0.00
13.56	14.56	2.00	0.00	1.00	0.00	13.58	15.00	2.00	0.00	1.00	0.00
13.60	15.92	2.00	0.00	1.00	0.00	13.62	16.56	2.00	0.00	1.00	0.00
13.64	17.36	2.00	0.00	1.00	0.00	13.66	18.36	2.00	0.00	1.00	0.00
13.68	18.90	2.00	0.00	1.00	0.00	13.70	18.98	2.00	0.00	1.00	0.00
13.72	18.50	2.00	0.00	1.00	0.00	13.74	18.02	2.00	0.00	1.00	0.00
13.76	17.17	2.00	0.00	1.00	0.00	13.78	16.52	2.00	0.00	1.00	0.00
13.80	16.77	2.00	0.00	1.00	0.00	13.82	17.13	2.00	0.00	1.00	0.00
13.84	16.75	2.00	0.00	1.00	0.00	13.86	16.63	2.00	0.00	1.00	0.00
13.88	16.06	2.00	0.00	1.00	0.00	13.90	15.41	2.00	0.00	1.00	0.00
13.92	15.20	2.00	0.00	1.00	0.00	13.94	14.83	2.00	0.00	1.00	0.00
13.96	14.72	2.00	0.00	1.00	0.00	13.98	14.98	2.00	0.00	1.00	0.00
14.00	16.06	2.00	0.00	1.00	0.00	14.02	15.59	2.00	0.00	1.00	0.00
14.04	15.67	2.00	0.00	1.00	0.00	14.06	16.30	2.00	0.00	1.00	0.00
14.08	16.82	2.00	0.00	1.00	0.00	14.10	17.27	2.00	0.00	1.00	0.00
14.12	17.35	2.00	0.00	1.00	0.00	14.14	17.25	2.00	0.00	1.00	0.00
14.16	16.79	2.00	0.00	1.00	0.00	14.18	16.60	2.00	0.00	1.00	0.00
14.20	15.23	2.00	0.00	1.00	0.00	14.22	14.59	2.00	0.00	1.00	0.00
14.24	14.58	2.00	0.00	1.00	0.00	14.26	13.93	2.00	0.00	1.00	0.00
14.28	13.02	2.00	0.00	1.00	0.00	14.30	12.47	2.00	0.00	1.00	0.00
14.32	12.10	2.00	0.00	1.00	0.00	14.34	12.09	2.00	0.00	1.00	0.00
14.36	12.08	2.00	0.00	1.00	0.00	14.38	12.16	2.00	0.00	1.00	0.00
14.40	12.51	2.00	0.00	1.00	0.00	14.42	13.40	2.00	0.00	1.00	0.00
14.44	15.00	2.00	0.00	1.00	0.00	14.46	15.62	2.00	0.00	1.00	0.00
14.48	15.78	2.00	0.00	1.00	0.00	14.50	17.30	2.00	0.00	1.00	0.00
14.52	76.91	0.51	4.16	1.00	0.08	14.54	84.71	0.55	3.79	1.00	0.08
14.56	89.57	0.58	3.59	1.00	0.07	14.58	86.69	0.56	3.71	1.00	0.07
14.60	22.49	2.00	0.00	1.00	0.00	14.62	16.90	2.00	0.00	1.00	0.00
14.64	13.93	2.00	0.00	1.00	0.00	14.66	13.12	2.00	0.00	1.00	0.00
14.68	12.57	2.00	0.00	1.00	0.00	14.70	12.74	2.00	0.00	1.00	0.00
14.72	12.47	2.00	0.00	1.00	0.00	14.74	12.02	2.00	0.00	1.00	0.00
14.76	11.30	2.00	0.00	1.00	0.00	14.78	10.85	2.00	0.00	1.00	0.00
14.80	10.84	2.00	0.00	1.00	0.00	14.82	11.01	2.00	0.00	1.00	0.00
14.84	11.27	2.00	0.00	1.00	0.00	14.86	11.44	2.00	0.00	1.00	0.00
14.88	11.52	2.00	0.00	1.00	0.00	14.90	10.98	2.00	0.00	1.00	0.00
14.92	10.45	2.00	0.00	1.00	0.00	14.94	10.44	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)
14.96	10.35	2.00	0.00	1.00	0.00	14.98	12.42	2.00	0.00	1.00	0.00
15.00	12.23	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.31

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

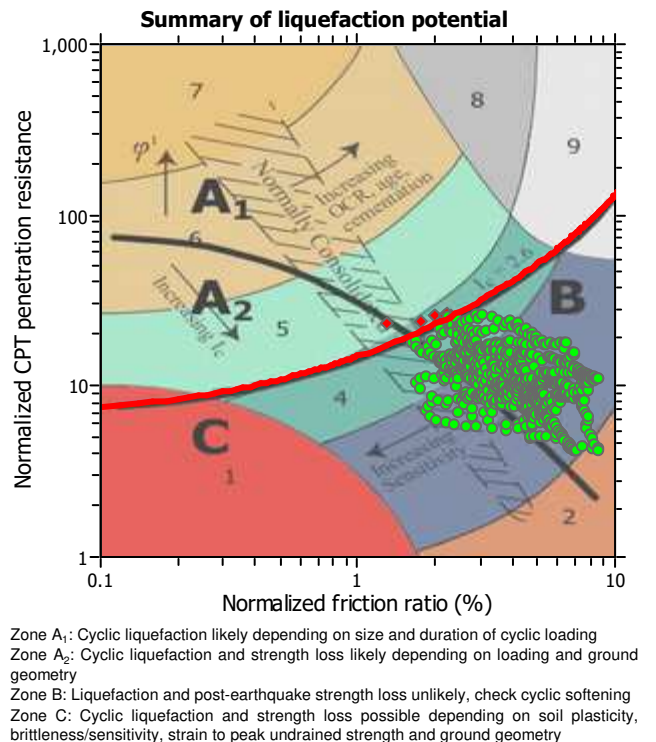
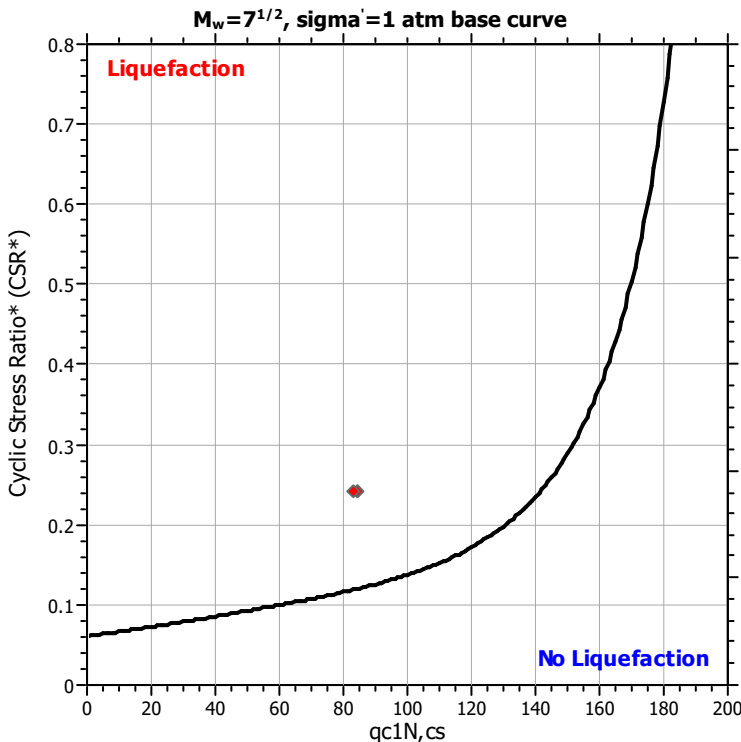
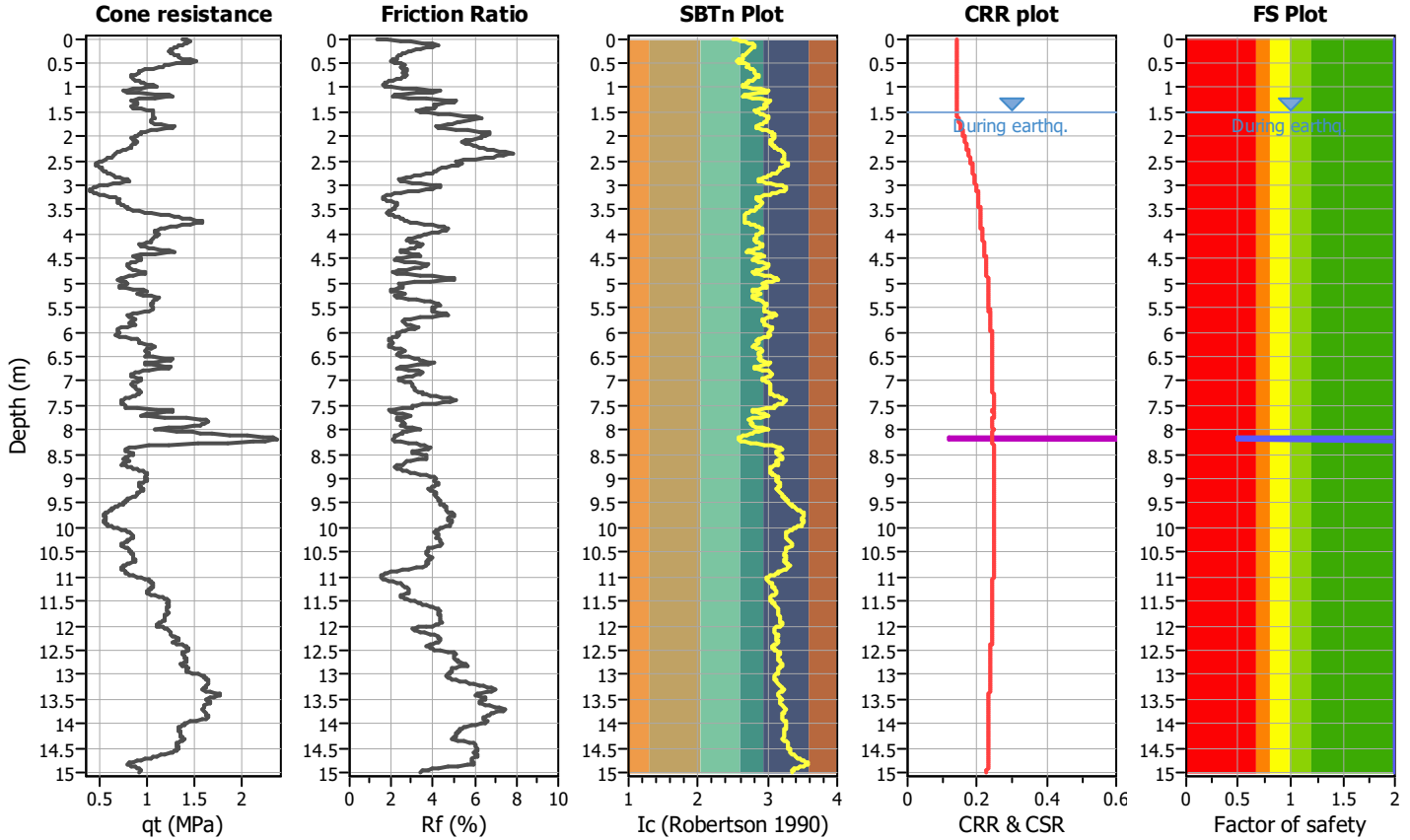
Project title :

Location :

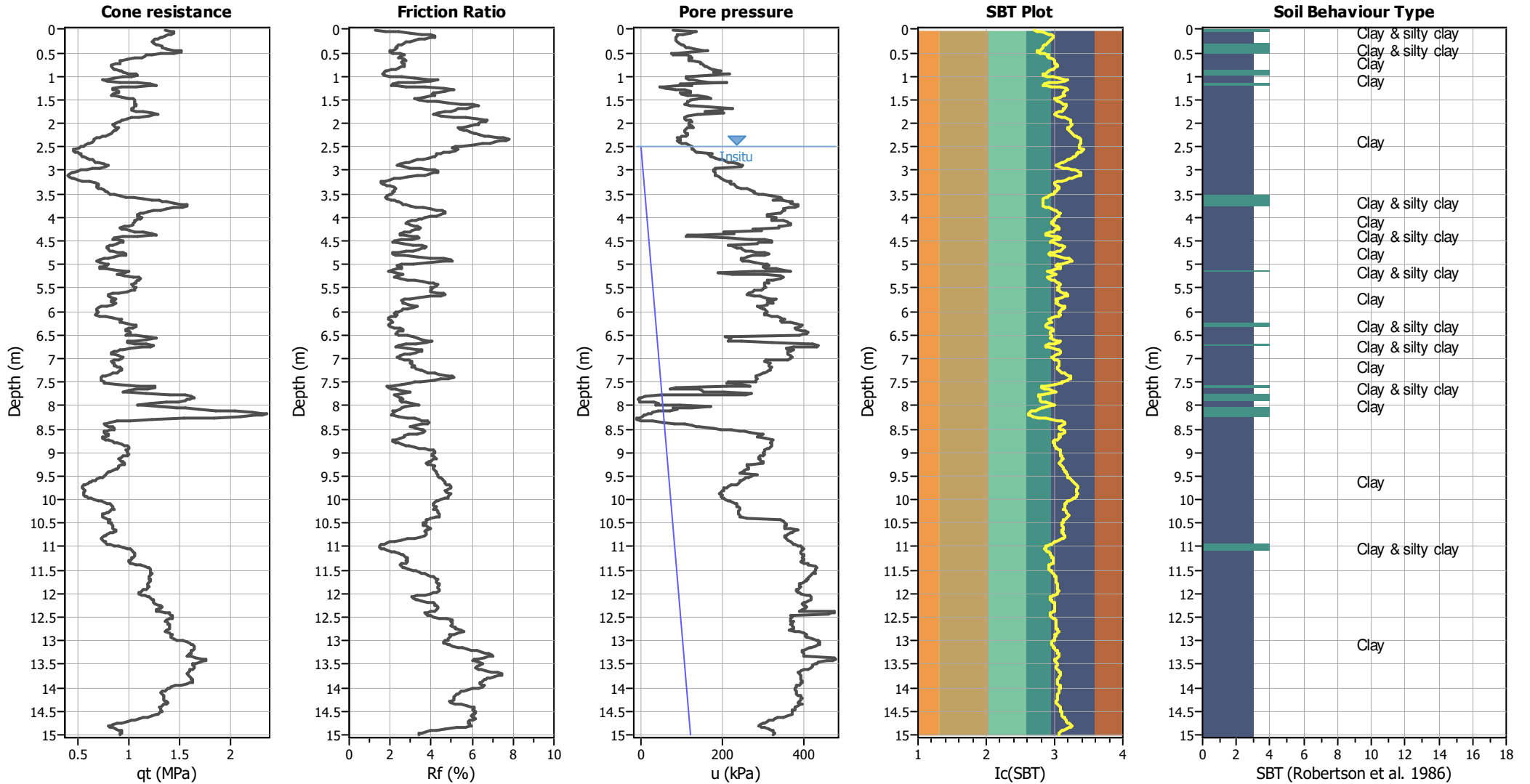
CPT file : cptu2

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



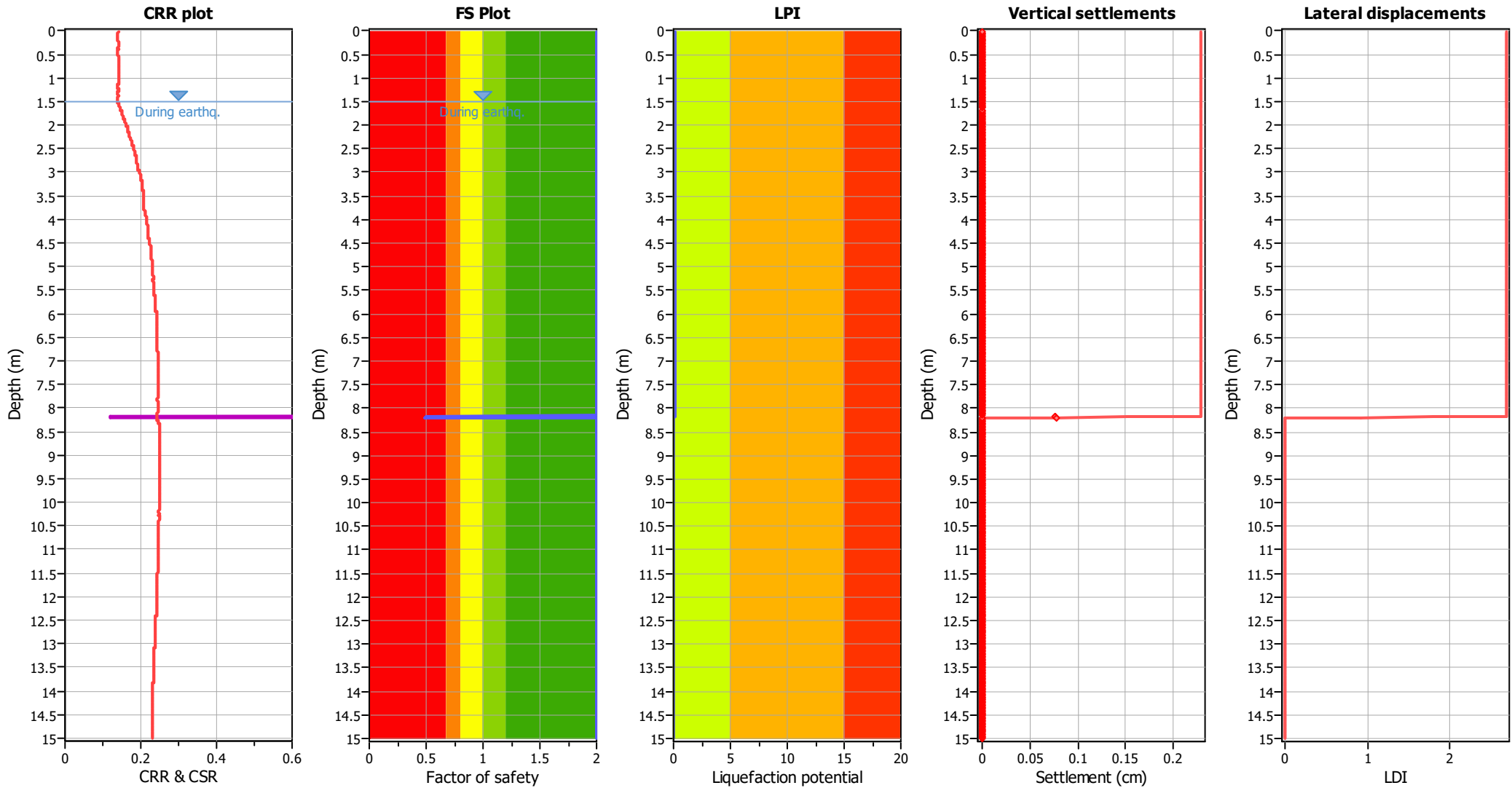
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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 (earthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_f applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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
1.68	2.00	0.00	9.16	0.04	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.96	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	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	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	2.00	0.00	8.47	0.02	0.00
3.08	2.00	0.00	8.46	0.02	0.00	3.10	2.00	0.00	8.45	0.02	0.00
3.12	2.00	0.00	8.44	0.02	0.00	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.80	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
6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.72	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
8.12	2.00	0.00	5.94	0.02	0.00	8.14	2.00	0.00	5.93	0.02	0.00
8.16	0.50	0.50	5.92	0.02	0.06	8.18	0.50	0.50	5.91	0.02	0.06
8.20	0.49	0.51	5.90	0.02	0.06	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.64	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	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

:: 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
11.56	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	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

:: 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
13.48	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	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	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: 0.18

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

:: 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)
1.50	17.26	2.00	0.00	1.00	0.00	1.52	17.24	2.00	0.00	1.00	0.00
1.54	17.59	2.00	0.00	1.00	0.00	1.56	17.57	2.00	0.00	1.00	0.00
1.58	17.36	2.00	0.00	1.00	0.00	1.60	17.70	2.00	0.00	1.00	0.00
1.62	17.68	2.00	0.00	1.00	0.00	1.64	17.67	2.00	0.00	1.00	0.00
1.68	16.77	2.00	0.00	1.00	0.00	1.70	16.41	2.00	0.00	1.00	0.00
1.72	16.75	2.00	0.00	1.00	0.00	1.74	16.93	2.00	0.00	1.00	0.00
1.76	18.89	2.00	0.00	1.00	0.00	1.78	20.32	2.00	0.00	1.00	0.00
1.80	21.18	2.00	0.00	1.00	0.00	1.82	21.72	2.00	0.00	1.00	0.00
1.84	19.20	2.00	0.00	1.00	0.00	1.86	18.31	2.00	0.00	1.00	0.00
1.88	17.04	2.00	0.00	1.00	0.00	1.90	15.79	2.00	0.00	1.00	0.00
1.92	15.78	2.00	0.00	1.00	0.00	1.94	15.06	2.00	0.00	1.00	0.00
1.96	15.23	2.00	0.00	1.00	0.00	1.98	14.87	2.00	0.00	1.00	0.00
2.00	14.12	2.00	0.00	1.00	0.00	2.02	13.75	2.00	0.00	1.00	0.00
2.04	13.57	2.00	0.00	1.00	0.00	2.06	13.73	2.00	0.00	1.00	0.00
2.08	14.61	2.00	0.00	1.00	0.00	2.10	14.75	2.00	0.00	1.00	0.00
2.12	14.75	2.00	0.00	1.00	0.00	2.14	14.20	2.00	0.00	1.00	0.00
2.16	14.01	2.00	0.00	1.00	0.00	2.18	13.83	2.00	0.00	1.00	0.00
2.20	13.63	2.00	0.00	1.00	0.00	2.22	13.44	2.00	0.00	1.00	0.00
2.24	13.44	2.00	0.00	1.00	0.00	2.26	12.69	2.00	0.00	1.00	0.00
2.28	11.96	2.00	0.00	1.00	0.00	2.30	11.96	2.00	0.00	1.00	0.00
2.32	11.05	2.00	0.00	1.00	0.00	2.34	10.86	2.00	0.00	1.00	0.00
2.36	10.68	2.00	0.00	1.00	0.00	2.38	10.78	2.00	0.00	1.00	0.00
2.40	10.56	2.00	0.00	1.00	0.00	2.42	9.81	2.00	0.00	1.00	0.00
2.44	9.60	2.00	0.00	1.00	0.00	2.46	9.20	2.00	0.00	1.00	0.00
2.48	8.65	2.00	0.00	1.00	0.00	2.50	8.60	2.00	0.00	1.00	0.00
2.52	7.89	2.00	0.00	1.00	0.00	2.54	7.37	2.00	0.00	1.00	0.00
2.56	6.84	2.00	0.00	1.00	0.00	2.58	7.14	2.00	0.00	1.00	0.00
2.60	7.47	2.00	0.00	1.00	0.00	2.62	7.61	2.00	0.00	1.00	0.00
2.64	8.23	2.00	0.00	1.00	0.00	2.66	8.02	2.00	0.00	1.00	0.00
2.68	8.04	2.00	0.00	1.00	0.00	2.70	8.19	2.00	0.00	1.00	0.00
2.72	8.34	2.00	0.00	1.00	0.00	2.74	8.80	2.00	0.00	1.00	0.00
2.76	9.28	2.00	0.00	1.00	0.00	2.78	9.75	2.00	0.00	1.00	0.00
2.80	9.74	2.00	0.00	1.00	0.00	2.82	9.89	2.00	0.00	1.00	0.00
2.84	10.52	2.00	0.00	1.00	0.00	2.86	11.00	2.00	0.00	1.00	0.00
2.88	11.96	2.00	0.00	1.00	0.00	2.90	11.94	2.00	0.00	1.00	0.00
2.92	11.74	2.00	0.00	1.00	0.00	2.94	10.58	2.00	0.00	1.00	0.00
2.96	9.60	2.00	0.00	1.00	0.00	2.98	8.61	2.00	0.00	1.00	0.00
3.00	7.78	2.00	0.00	1.00	0.00	3.02	7.28	2.00	0.00	1.00	0.00
3.04	6.78	2.00	0.00	1.00	0.00	3.06	6.11	2.00	0.00	1.00	0.00
3.08	6.09	2.00	0.00	1.00	0.00	3.10	5.59	2.00	0.00	1.00	0.00
3.12	5.58	2.00	0.00	1.00	0.00	3.14	6.06	2.00	0.00	1.00	0.00
3.16	6.22	2.00	0.00	1.00	0.00	3.18	6.69	2.00	0.00	1.00	0.00
3.20	6.99	2.00	0.00	1.00	0.00	3.22	7.79	2.00	0.00	1.00	0.00
3.24	8.91	2.00	0.00	1.00	0.00	3.26	9.86	2.00	0.00	1.00	0.00
3.28	10.16	2.00	0.00	1.00	0.00	3.30	10.15	2.00	0.00	1.00	0.00
3.32	10.13	2.00	0.00	1.00	0.00	3.34	9.62	2.00	0.00	1.00	0.00
3.36	9.60	2.00	0.00	1.00	0.00	3.38	10.06	2.00	0.00	1.00	0.00
3.40	10.36	2.00	0.00	1.00	0.00	3.42	10.51	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
3.44	10.96	2.00	0.00	1.00	0.00	3.46	11.26	2.00	0.00	1.00	0.00
3.48	11.21	2.00	0.00	1.00	0.00	3.50	11.20	2.00	0.00	1.00	0.00
3.52	12.12	2.00	0.00	1.00	0.00	3.54	12.57	2.00	0.00	1.00	0.00
3.56	13.63	2.00	0.00	1.00	0.00	3.58	14.53	2.00	0.00	1.00	0.00
3.60	15.28	2.00	0.00	1.00	0.00	3.62	17.95	2.00	0.00	1.00	0.00
3.64	17.92	2.00	0.00	1.00	0.00	3.66	18.19	2.00	0.00	1.00	0.00
3.68	19.05	2.00	0.00	1.00	0.00	3.70	19.91	2.00	0.00	1.00	0.00
3.72	20.76	2.00	0.00	1.00	0.00	3.74	21.60	2.00	0.00	1.00	0.00
3.76	22.14	2.00	0.00	1.00	0.00	3.78	20.64	2.00	0.00	1.00	0.00
3.80	19.71	2.00	0.00	1.00	0.00	3.82	18.79	2.00	0.00	1.00	0.00
3.84	17.87	2.00	0.00	1.00	0.00	3.86	16.79	2.00	0.00	1.00	0.00
3.88	16.17	2.00	0.00	1.00	0.00	3.90	15.56	2.00	0.00	1.00	0.00
3.92	14.93	2.00	0.00	1.00	0.00	3.94	14.61	2.00	0.00	1.00	0.00
3.96	14.44	2.00	0.00	1.00	0.00	3.98	14.84	2.00	0.00	1.00	0.00
4.00	15.40	2.00	0.00	1.00	0.00	4.02	15.24	2.00	0.00	1.00	0.00
4.04	14.47	2.00	0.00	1.00	0.00	4.06	14.30	2.00	0.00	1.00	0.00
4.08	14.27	2.00	0.00	1.00	0.00	4.10	13.96	2.00	0.00	1.00	0.00
4.12	13.65	2.00	0.00	1.00	0.00	4.14	13.91	2.00	0.00	1.00	0.00
4.16	13.74	2.00	0.00	1.00	0.00	4.18	13.42	2.00	0.00	1.00	0.00
4.20	12.23	2.00	0.00	1.00	0.00	4.22	11.92	2.00	0.00	1.00	0.00
4.24	12.19	2.00	0.00	1.00	0.00	4.26	12.75	2.00	0.00	1.00	0.00
4.28	13.60	2.00	0.00	1.00	0.00	4.30	14.16	2.00	0.00	1.00	0.00
4.32	14.87	2.00	0.00	1.00	0.00	4.34	16.87	2.00	0.00	1.00	0.00
4.36	18.12	2.00	0.00	1.00	0.00	4.38	16.81	2.00	0.00	1.00	0.00
4.40	14.92	2.00	0.00	1.00	0.00	4.42	12.31	2.00	0.00	1.00	0.00
4.44	10.82	2.00	0.00	1.00	0.00	4.46	10.83	2.00	0.00	1.00	0.00
4.48	11.55	2.00	0.00	1.00	0.00	4.50	12.37	2.00	0.00	1.00	0.00
4.52	12.50	2.00	0.00	1.00	0.00	4.54	11.91	2.00	0.00	1.00	0.00
4.56	10.89	2.00	0.00	1.00	0.00	4.58	11.68	2.00	0.00	1.00	0.00
4.60	10.38	2.00	0.00	1.00	0.00	4.62	9.93	2.00	0.00	1.00	0.00
4.64	10.35	2.00	0.00	1.00	0.00	4.66	10.33	2.00	0.00	1.00	0.00
4.68	10.18	2.00	0.00	1.00	0.00	4.70	10.59	2.00	0.00	1.00	0.00
4.72	10.58	2.00	0.00	1.00	0.00	4.74	11.43	2.00	0.00	1.00	0.00
4.76	11.84	2.00	0.00	1.00	0.00	4.78	12.96	2.00	0.00	1.00	0.00
4.80	12.51	2.00	0.00	1.00	0.00	4.82	11.65	2.00	0.00	1.00	0.00
4.84	10.89	2.00	0.00	1.00	0.00	4.86	10.17	2.00	0.00	1.00	0.00
4.88	9.76	2.00	0.00	1.00	0.00	4.90	9.02	2.00	0.00	1.00	0.00
4.92	8.58	2.00	0.00	1.00	0.00	4.94	8.43	2.00	0.00	1.00	0.00
4.96	8.98	2.00	0.00	1.00	0.00	4.98	9.67	2.00	0.00	1.00	0.00
5.00	10.08	2.00	0.00	1.00	0.00	5.02	9.93	2.00	0.00	1.00	0.00
5.04	9.20	2.00	0.00	1.00	0.00	5.06	8.49	2.00	0.00	1.00	0.00
5.08	8.76	2.00	0.00	1.00	0.00	5.10	9.17	2.00	0.00	1.00	0.00
5.12	10.28	2.00	0.00	1.00	0.00	5.14	12.07	2.00	0.00	1.00	0.00
5.16	13.57	2.00	0.00	1.00	0.00	5.18	12.18	2.00	0.00	1.00	0.00
5.20	10.78	2.00	0.00	1.00	0.00	5.22	10.62	2.00	0.00	1.00	0.00
5.24	11.85	2.00	0.00	1.00	0.00	5.26	12.94	2.00	0.00	1.00	0.00
5.28	13.74	2.00	0.00	1.00	0.00	5.30	13.99	2.00	0.00	1.00	0.00
5.32	13.70	2.00	0.00	1.00	0.00	5.34	13.15	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
5.36	13.12	2.00	0.00	1.00	0.00	5.38	13.10	2.00	0.00	1.00	0.00
5.40	13.08	2.00	0.00	1.00	0.00	5.42	12.66	2.00	0.00	1.00	0.00
5.44	12.64	2.00	0.00	1.00	0.00	5.46	12.76	2.00	0.00	1.00	0.00
5.48	13.01	2.00	0.00	1.00	0.00	5.50	13.13	2.00	0.00	1.00	0.00
5.52	12.98	2.00	0.00	1.00	0.00	5.54	12.43	2.00	0.00	1.00	0.00
5.56	13.13	2.00	0.00	1.00	0.00	5.58	11.91	2.00	0.00	1.00	0.00
5.60	11.09	2.00	0.00	1.00	0.00	5.62	10.00	2.00	0.00	1.00	0.00
5.64	9.58	2.00	0.00	1.00	0.00	5.66	9.43	2.00	0.00	1.00	0.00
5.68	9.56	2.00	0.00	1.00	0.00	5.70	9.95	2.00	0.00	1.00	0.00
5.72	10.20	2.00	0.00	1.00	0.00	5.74	10.73	2.00	0.00	1.00	0.00
5.76	10.18	2.00	0.00	1.00	0.00	5.78	9.63	2.00	0.00	1.00	0.00
5.80	9.49	2.00	0.00	1.00	0.00	5.82	10.01	2.00	0.00	1.00	0.00
5.84	10.65	2.00	0.00	1.00	0.00	5.86	10.25	2.00	0.00	1.00	0.00
5.88	9.18	2.00	0.00	1.00	0.00	5.90	8.49	2.00	0.00	1.00	0.00
5.92	7.82	2.00	0.00	1.00	0.00	5.94	8.07	2.00	0.00	1.00	0.00
5.96	7.94	2.00	0.00	1.00	0.00	5.98	7.92	2.00	0.00	1.00	0.00
6.00	8.05	2.00	0.00	1.00	0.00	6.02	8.31	2.00	0.00	1.00	0.00
6.04	8.04	2.00	0.00	1.00	0.00	6.06	7.63	2.00	0.00	1.00	0.00
6.08	7.76	2.00	0.00	1.00	0.00	6.10	7.88	2.00	0.00	1.00	0.00
6.12	8.80	2.00	0.00	1.00	0.00	6.14	9.71	2.00	0.00	1.00	0.00
6.16	10.62	2.00	0.00	1.00	0.00	6.18	10.73	2.00	0.00	1.00	0.00
6.20	10.73	2.00	0.00	1.00	0.00	6.22	10.07	2.00	0.00	1.00	0.00
6.24	10.58	2.00	0.00	1.00	0.00	6.26	11.48	2.00	0.00	1.00	0.00
6.28	11.99	2.00	0.00	1.00	0.00	6.30	12.49	2.00	0.00	1.00	0.00
6.32	12.48	2.00	0.00	1.00	0.00	6.34	12.07	2.00	0.00	1.00	0.00
6.36	11.31	2.00	0.00	1.00	0.00	6.38	10.78	2.00	0.00	1.00	0.00
6.40	11.15	2.00	0.00	1.00	0.00	6.42	11.14	2.00	0.00	1.00	0.00
6.44	11.77	2.00	0.00	1.00	0.00	6.46	11.51	2.00	0.00	1.00	0.00
6.48	11.11	2.00	0.00	1.00	0.00	6.50	10.97	2.00	0.00	1.00	0.00
6.52	10.96	2.00	0.00	1.00	0.00	6.54	14.83	2.00	0.00	1.00	0.00
6.56	15.19	2.00	0.00	1.00	0.00	6.58	14.80	2.00	0.00	1.00	0.00
6.60	14.02	2.00	0.00	1.00	0.00	6.62	12.35	2.00	0.00	1.00	0.00
6.64	11.07	2.00	0.00	1.00	0.00	6.66	10.55	2.00	0.00	1.00	0.00
6.68	11.81	2.00	0.00	1.00	0.00	6.70	13.18	2.00	0.00	1.00	0.00
6.72	14.55	2.00	0.00	1.00	0.00	6.74	14.03	2.00	0.00	1.00	0.00
6.76	12.51	2.00	0.00	1.00	0.00	6.78	11.23	2.00	0.00	1.00	0.00
6.80	10.46	2.00	0.00	1.00	0.00	6.82	9.92	2.00	0.00	1.00	0.00
6.84	9.91	2.00	0.00	1.00	0.00	6.86	9.39	2.00	0.00	1.00	0.00
6.88	9.13	2.00	0.00	1.00	0.00	6.90	8.99	2.00	0.00	1.00	0.00
6.92	9.36	2.00	0.00	1.00	0.00	6.94	9.85	2.00	0.00	1.00	0.00
6.96	10.34	2.00	0.00	1.00	0.00	6.98	10.46	2.00	0.00	1.00	0.00
7.00	10.32	2.00	0.00	1.00	0.00	7.02	10.06	2.00	0.00	1.00	0.00
7.04	9.43	2.00	0.00	1.00	0.00	7.06	8.92	2.00	0.00	1.00	0.00
7.08	9.28	2.00	0.00	1.00	0.00	7.10	9.52	2.00	0.00	1.00	0.00
7.12	9.51	2.00	0.00	1.00	0.00	7.14	9.50	2.00	0.00	1.00	0.00
7.16	9.49	2.00	0.00	1.00	0.00	7.18	9.60	2.00	0.00	1.00	0.00
7.20	10.21	2.00	0.00	1.00	0.00	7.22	10.20	2.00	0.00	1.00	0.00
7.24	10.19	2.00	0.00	1.00	0.00	7.26	10.06	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)
7.28	10.04	2.00	0.00	1.00	0.00	7.30	9.54	2.00	0.00	1.00	0.00
7.32	9.28	2.00	0.00	1.00	0.00	7.34	8.91	2.00	0.00	1.00	0.00
7.36	8.53	2.00	0.00	1.00	0.00	7.38	7.90	2.00	0.00	1.00	0.00
7.40	7.89	2.00	0.00	1.00	0.00	7.42	7.88	2.00	0.00	1.00	0.00
7.44	7.88	2.00	0.00	1.00	0.00	7.46	7.75	2.00	0.00	1.00	0.00
7.48	7.74	2.00	0.00	1.00	0.00	7.50	9.15	2.00	0.00	1.00	0.00
7.52	8.04	2.00	0.00	1.00	0.00	7.54	7.91	2.00	0.00	1.00	0.00
7.56	9.37	2.00	0.00	1.00	0.00	7.58	12.27	2.00	0.00	1.00	0.00
7.60	14.56	2.00	0.00	1.00	0.00	7.62	15.26	2.00	0.00	1.00	0.00
7.64	12.84	2.00	0.00	1.00	0.00	7.66	11.98	2.00	0.00	1.00	0.00
7.68	11.36	2.00	0.00	1.00	0.00	7.70	10.14	2.00	0.00	1.00	0.00
7.72	9.89	2.00	0.00	1.00	0.00	7.74	12.65	2.00	0.00	1.00	0.00
7.76	16.11	2.00	0.00	1.00	0.00	7.78	17.76	2.00	0.00	1.00	0.00
7.80	18.45	2.00	0.00	1.00	0.00	7.82	18.67	2.00	0.00	1.00	0.00
7.84	18.63	2.00	0.00	1.00	0.00	7.86	18.02	2.00	0.00	1.00	0.00
7.88	17.76	2.00	0.00	1.00	0.00	7.90	17.74	2.00	0.00	1.00	0.00
7.92	17.13	2.00	0.00	1.00	0.00	7.94	15.46	2.00	0.00	1.00	0.00
7.96	13.66	2.00	0.00	1.00	0.00	7.98	11.75	2.00	0.00	1.00	0.00
8.00	11.03	2.00	0.00	1.00	0.00	8.02	14.92	2.00	0.00	1.00	0.00
8.04	17.03	2.00	0.00	1.00	0.00	8.06	16.77	2.00	0.00	1.00	0.00
8.08	18.04	2.00	0.00	1.00	0.00	8.10	20.95	2.00	0.00	1.00	0.00
8.12	22.79	2.00	0.00	1.00	0.00	8.14	24.17	2.00	0.00	1.00	0.00
8.16	84.68	0.50	3.79	1.00	0.08	8.18	84.62	0.50	3.80	1.00	0.08
8.20	83.26	0.49	3.86	1.00	0.08	8.22	25.11	2.00	0.00	1.00	0.00
8.24	23.79	2.00	0.00	1.00	0.00	8.26	20.75	2.00	0.00	1.00	0.00
8.28	16.79	2.00	0.00	1.00	0.00	8.30	13.51	2.00	0.00	1.00	0.00
8.32	10.69	2.00	0.00	1.00	0.00	8.34	9.63	2.00	0.00	1.00	0.00
8.36	8.80	2.00	0.00	1.00	0.00	8.38	8.21	2.00	0.00	1.00	0.00
8.40	8.20	2.00	0.00	1.00	0.00	8.42	8.31	2.00	0.00	1.00	0.00
8.44	8.42	2.00	0.00	1.00	0.00	8.46	8.76	2.00	0.00	1.00	0.00
8.48	9.63	2.00	0.00	1.00	0.00	8.50	9.04	2.00	0.00	1.00	0.00
8.52	8.33	2.00	0.00	1.00	0.00	8.54	8.21	2.00	0.00	1.00	0.00
8.56	7.74	2.00	0.00	1.00	0.00	8.58	7.62	2.00	0.00	1.00	0.00
8.60	7.84	2.00	0.00	1.00	0.00	8.62	8.29	2.00	0.00	1.00	0.00
8.64	8.40	2.00	0.00	1.00	0.00	8.66	7.70	2.00	0.00	1.00	0.00
8.68	7.34	2.00	0.00	1.00	0.00	8.70	7.34	2.00	0.00	1.00	0.00
8.72	7.57	2.00	0.00	1.00	0.00	8.74	8.14	2.00	0.00	1.00	0.00
8.76	8.36	2.00	0.00	1.00	0.00	8.78	8.81	2.00	0.00	1.00	0.00
8.80	8.92	2.00	0.00	1.00	0.00	8.82	9.25	2.00	0.00	1.00	0.00
8.84	9.81	2.00	0.00	1.00	0.00	8.86	10.03	2.00	0.00	1.00	0.00
8.88	10.14	2.00	0.00	1.00	0.00	8.90	10.24	2.00	0.00	1.00	0.00
8.92	10.12	2.00	0.00	1.00	0.00	8.94	9.88	2.00	0.00	1.00	0.00
8.96	9.87	2.00	0.00	1.00	0.00	8.98	9.86	2.00	0.00	1.00	0.00
9.00	9.97	2.00	0.00	1.00	0.00	9.02	9.96	2.00	0.00	1.00	0.00
9.04	10.06	2.00	0.00	1.00	0.00	9.06	10.05	2.00	0.00	1.00	0.00
9.08	9.47	2.00	0.00	1.00	0.00	9.10	9.13	2.00	0.00	1.00	0.00
9.12	9.23	2.00	0.00	1.00	0.00	9.14	8.88	2.00	0.00	1.00	0.00
9.16	9.20	2.00	0.00	1.00	0.00	9.18	9.31	2.00	0.00	1.00	0.00

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

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
9.20	9.30	2.00	0.00	1.00	0.00	9.22	9.74	2.00	0.00	1.00	0.00
9.24	9.84	2.00	0.00	1.00	0.00	9.26	9.16	2.00	0.00	1.00	0.00
9.28	9.04	2.00	0.00	1.00	0.00	9.30	9.03	2.00	0.00	1.00	0.00
9.32	9.02	2.00	0.00	1.00	0.00	9.34	8.79	2.00	0.00	1.00	0.00
9.36	8.78	2.00	0.00	1.00	0.00	9.38	8.42	2.00	0.00	1.00	0.00
9.40	8.07	2.00	0.00	1.00	0.00	9.42	7.84	2.00	0.00	1.00	0.00
9.44	7.73	2.00	0.00	1.00	0.00	9.46	7.54	2.00	0.00	1.00	0.00
9.48	7.53	2.00	0.00	1.00	0.00	9.50	7.41	2.00	0.00	1.00	0.00
9.52	7.29	2.00	0.00	1.00	0.00	9.54	7.07	2.00	0.00	1.00	0.00
9.56	6.62	2.00	0.00	1.00	0.00	9.58	6.50	2.00	0.00	1.00	0.00
9.60	6.27	2.00	0.00	1.00	0.00	9.62	6.04	2.00	0.00	1.00	0.00
9.64	6.04	2.00	0.00	1.00	0.00	9.66	5.81	2.00	0.00	1.00	0.00
9.68	5.48	2.00	0.00	1.00	0.00	9.70	5.36	2.00	0.00	1.00	0.00
9.72	5.25	2.00	0.00	1.00	0.00	9.74	5.24	2.00	0.00	1.00	0.00
9.76	5.24	2.00	0.00	1.00	0.00	9.78	5.34	2.00	0.00	1.00	0.00
9.80	5.56	2.00	0.00	1.00	0.00	9.82	5.55	2.00	0.00	1.00	0.00
9.84	5.44	2.00	0.00	1.00	0.00	9.86	5.32	2.00	0.00	1.00	0.00
9.88	5.21	2.00	0.00	1.00	0.00	9.90	5.42	2.00	0.00	1.00	0.00
9.92	5.53	2.00	0.00	1.00	0.00	9.94	5.52	2.00	0.00	1.00	0.00
9.96	5.74	2.00	0.00	1.00	0.00	9.98	5.95	2.00	0.00	1.00	0.00
10.00	6.38	2.00	0.00	1.00	0.00	10.02	6.70	2.00	0.00	1.00	0.00
10.04	7.02	2.00	0.00	1.00	0.00	10.06	7.34	2.00	0.00	1.00	0.00
10.08	7.77	2.00	0.00	1.00	0.00	10.10	7.87	2.00	0.00	1.00	0.00
10.12	8.08	2.00	0.00	1.00	0.00	10.14	8.18	2.00	0.00	1.00	0.00
10.16	8.07	2.00	0.00	1.00	0.00	10.18	8.28	2.00	0.00	1.00	0.00
10.20	8.16	2.00	0.00	1.00	0.00	10.22	8.15	2.00	0.00	1.00	0.00
10.24	7.72	2.00	0.00	1.00	0.00	10.26	7.71	2.00	0.00	1.00	0.00
10.28	7.48	2.00	0.00	1.00	0.00	10.30	7.26	2.00	0.00	1.00	0.00
10.32	7.03	2.00	0.00	1.00	0.00	10.34	7.03	2.00	0.00	1.00	0.00
10.36	6.91	2.00	0.00	1.00	0.00	10.38	7.02	2.00	0.00	1.00	0.00
10.40	7.01	2.00	0.00	1.00	0.00	10.42	7.70	2.00	0.00	1.00	0.00
10.44	7.58	2.00	0.00	1.00	0.00	10.46	7.25	2.00	0.00	1.00	0.00
10.48	7.46	2.00	0.00	1.00	0.00	10.50	7.56	2.00	0.00	1.00	0.00
10.52	7.77	2.00	0.00	1.00	0.00	10.54	7.76	2.00	0.00	1.00	0.00
10.56	7.97	2.00	0.00	1.00	0.00	10.58	7.75	2.00	0.00	1.00	0.00
10.60	7.74	2.00	0.00	1.00	0.00	10.62	7.74	2.00	0.00	1.00	0.00
10.64	7.73	2.00	0.00	1.00	0.00	10.66	8.04	2.00	0.00	1.00	0.00
10.68	8.01	2.00	0.00	1.00	0.00	10.70	7.69	2.00	0.00	1.00	0.00
10.72	7.37	2.00	0.00	1.00	0.00	10.74	7.15	2.00	0.00	1.00	0.00
10.76	7.04	2.00	0.00	1.00	0.00	10.78	6.82	2.00	0.00	1.00	0.00
10.80	6.71	2.00	0.00	1.00	0.00	10.82	6.71	2.00	0.00	1.00	0.00
10.84	6.38	2.00	0.00	1.00	0.00	10.86	6.70	2.00	0.00	1.00	0.00
10.88	6.90	2.00	0.00	1.00	0.00	10.90	6.90	2.00	0.00	1.00	0.00
10.92	6.89	2.00	0.00	1.00	0.00	10.94	6.99	2.00	0.00	1.00	0.00
10.96	7.30	2.00	0.00	1.00	0.00	10.98	7.61	2.00	0.00	1.00	0.00
11.00	8.13	2.00	0.00	1.00	0.00	11.02	8.54	2.00	0.00	1.00	0.00
11.04	8.95	2.00	0.00	1.00	0.00	11.06	9.26	2.00	0.00	1.00	0.00
11.08	9.36	2.00	0.00	1.00	0.00	11.10	9.35	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.12	9.55	2.00	0.00	1.00	0.00	11.14	9.56	2.00	0.00	1.00	0.00
11.16	9.55	2.00	0.00	1.00	0.00	11.18	9.63	2.00	0.00	1.00	0.00
11.20	9.75	2.00	0.00	1.00	0.00	11.22	9.32	2.00	0.00	1.00	0.00
11.24	9.32	2.00	0.00	1.00	0.00	11.26	9.31	2.00	0.00	1.00	0.00
11.28	9.09	2.00	0.00	1.00	0.00	11.30	8.98	2.00	0.00	1.00	0.00
11.32	8.87	2.00	0.00	1.00	0.00	11.34	8.97	2.00	0.00	1.00	0.00
11.36	9.27	2.00	0.00	1.00	0.00	11.38	9.47	2.00	0.00	1.00	0.00
11.40	10.21	2.00	0.00	1.00	0.00	11.42	10.31	2.00	0.00	1.00	0.00
11.44	10.71	2.00	0.00	1.00	0.00	11.46	10.81	2.00	0.00	1.00	0.00
11.48	10.90	2.00	0.00	1.00	0.00	11.50	11.10	2.00	0.00	1.00	0.00
11.52	10.88	2.00	0.00	1.00	0.00	11.54	10.87	2.00	0.00	1.00	0.00
11.56	10.87	2.00	0.00	1.00	0.00	11.58	11.06	2.00	0.00	1.00	0.00
11.60	11.05	2.00	0.00	1.00	0.00	11.62	10.63	2.00	0.00	1.00	0.00
11.64	10.73	2.00	0.00	1.00	0.00	11.66	10.71	2.00	0.00	1.00	0.00
11.68	10.80	2.00	0.00	1.00	0.00	11.70	10.79	2.00	0.00	1.00	0.00
11.72	10.99	2.00	0.00	1.00	0.00	11.74	10.97	2.00	0.00	1.00	0.00
11.76	10.65	2.00	0.00	1.00	0.00	11.78	10.64	2.00	0.00	1.00	0.00
11.80	10.64	2.00	0.00	1.00	0.00	11.82	10.62	2.00	0.00	1.00	0.00
11.84	10.61	2.00	0.00	1.00	0.00	11.86	10.70	2.00	0.00	1.00	0.00
11.88	10.57	2.00	0.00	1.00	0.00	11.90	10.46	2.00	0.00	1.00	0.00
11.92	10.15	2.00	0.00	1.00	0.00	11.94	9.94	2.00	0.00	1.00	0.00
11.96	9.82	2.00	0.00	1.00	0.00	11.98	9.71	2.00	0.00	1.00	0.00
12.00	9.50	2.00	0.00	1.00	0.00	12.02	9.79	2.00	0.00	1.00	0.00
12.04	10.28	2.00	0.00	1.00	0.00	12.06	10.48	2.00	0.00	1.00	0.00
12.08	10.47	2.00	0.00	1.00	0.00	12.10	10.75	2.00	0.00	1.00	0.00
12.12	10.84	2.00	0.00	1.00	0.00	12.14	10.94	2.00	0.00	1.00	0.00
12.16	11.03	2.00	0.00	1.00	0.00	12.18	10.92	2.00	0.00	1.00	0.00
12.20	10.91	2.00	0.00	1.00	0.00	12.22	11.09	2.00	0.00	1.00	0.00
12.24	11.28	2.00	0.00	1.00	0.00	12.26	11.87	2.00	0.00	1.00	0.00
12.28	11.76	2.00	0.00	1.00	0.00	12.30	11.45	2.00	0.00	1.00	0.00
12.32	11.54	2.00	0.00	1.00	0.00	12.34	11.24	2.00	0.00	1.00	0.00
12.36	10.73	2.00	0.00	1.00	0.00	12.38	11.47	2.00	0.00	1.00	0.00
12.40	11.86	2.00	0.00	1.00	0.00	12.42	12.15	2.00	0.00	1.00	0.00
12.44	12.34	2.00	0.00	1.00	0.00	12.46	12.43	2.00	0.00	1.00	0.00
12.48	12.50	2.00	0.00	1.00	0.00	12.50	12.88	2.00	0.00	1.00	0.00
12.52	12.58	2.00	0.00	1.00	0.00	12.54	12.27	2.00	0.00	1.00	0.00
12.56	11.96	2.00	0.00	1.00	0.00	12.58	11.85	2.00	0.00	1.00	0.00
12.60	12.03	2.00	0.00	1.00	0.00	12.62	12.22	2.00	0.00	1.00	0.00
12.64	12.01	2.00	0.00	1.00	0.00	12.66	12.30	2.00	0.00	1.00	0.00
12.68	12.28	2.00	0.00	1.00	0.00	12.70	12.27	2.00	0.00	1.00	0.00
12.72	12.16	2.00	0.00	1.00	0.00	12.74	12.24	2.00	0.00	1.00	0.00
12.76	12.33	2.00	0.00	1.00	0.00	12.78	11.83	2.00	0.00	1.00	0.00
12.80	11.61	2.00	0.00	1.00	0.00	12.82	11.80	2.00	0.00	1.00	0.00
12.84	11.89	2.00	0.00	1.00	0.00	12.86	12.64	2.00	0.00	1.00	0.00
12.88	12.14	2.00	0.00	1.00	0.00	12.90	12.12	2.00	0.00	1.00	0.00
12.92	12.11	2.00	0.00	1.00	0.00	12.94	12.30	2.00	0.00	1.00	0.00
12.96	12.08	2.00	0.00	1.00	0.00	12.98	12.66	2.00	0.00	1.00	0.00
13.00	13.22	2.00	0.00	1.00	0.00	13.02	13.60	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.04	13.78	2.00	0.00	1.00	0.00	13.06	13.77	2.00	0.00	1.00	0.00
13.08	13.66	2.00	0.00	1.00	0.00	13.10	14.02	2.00	0.00	1.00	0.00
13.12	14.11	2.00	0.00	1.00	0.00	13.14	14.10	2.00	0.00	1.00	0.00
13.16	14.18	2.00	0.00	1.00	0.00	13.18	14.07	2.00	0.00	1.00	0.00
13.20	13.96	2.00	0.00	1.00	0.00	13.22	13.95	2.00	0.00	1.00	0.00
13.24	13.74	2.00	0.00	1.00	0.00	13.26	14.01	2.00	0.00	1.00	0.00
13.28	13.71	2.00	0.00	1.00	0.00	13.30	13.40	2.00	0.00	1.00	0.00
13.32	13.48	2.00	0.00	1.00	0.00	13.34	13.47	2.00	0.00	1.00	0.00
13.36	14.18	2.00	0.00	1.00	0.00	13.38	14.65	2.00	0.00	1.00	0.00
13.40	15.02	2.00	0.00	1.00	0.00	13.42	15.10	2.00	0.00	1.00	0.00
13.44	14.71	2.00	0.00	1.00	0.00	13.46	14.60	2.00	0.00	1.00	0.00
13.48	13.82	2.00	0.00	1.00	0.00	13.50	13.60	2.00	0.00	1.00	0.00
13.52	13.78	2.00	0.00	1.00	0.00	13.54	13.77	2.00	0.00	1.00	0.00
13.56	13.94	2.00	0.00	1.00	0.00	13.58	14.02	2.00	0.00	1.00	0.00
13.60	13.81	2.00	0.00	1.00	0.00	13.62	13.42	2.00	0.00	1.00	0.00
13.64	13.31	2.00	0.00	1.00	0.00	13.66	13.68	2.00	0.00	1.00	0.00
13.68	13.18	2.00	0.00	1.00	0.00	13.70	13.27	2.00	0.00	1.00	0.00
13.72	13.33	2.00	0.00	1.00	0.00	13.74	13.32	2.00	0.00	1.00	0.00
13.76	13.40	2.00	0.00	1.00	0.00	13.78	13.67	2.00	0.00	1.00	0.00
13.80	13.55	2.00	0.00	1.00	0.00	13.82	13.54	2.00	0.00	1.00	0.00
13.84	13.62	2.00	0.00	1.00	0.00	13.86	13.80	2.00	0.00	1.00	0.00
13.88	13.58	2.00	0.00	1.00	0.00	13.90	13.47	2.00	0.00	1.00	0.00
13.92	13.17	2.00	0.00	1.00	0.00	13.94	12.60	2.00	0.00	1.00	0.00
13.96	11.83	2.00	0.00	1.00	0.00	13.98	11.82	2.00	0.00	1.00	0.00
14.00	11.52	2.00	0.00	1.00	0.00	14.02	11.33	2.00	0.00	1.00	0.00
14.04	11.41	2.00	0.00	1.00	0.00	14.06	11.11	2.00	0.00	1.00	0.00
14.08	10.92	2.00	0.00	1.00	0.00	14.10	10.72	2.00	0.00	1.00	0.00
14.12	10.81	2.00	0.00	1.00	0.00	14.14	10.99	2.00	0.00	1.00	0.00
14.16	10.87	2.00	0.00	1.00	0.00	14.18	10.95	2.00	0.00	1.00	0.00
14.20	11.04	2.00	0.00	1.00	0.00	14.22	11.03	2.00	0.00	1.00	0.00
14.24	10.93	2.00	0.00	1.00	0.00	14.26	11.01	2.00	0.00	1.00	0.00
14.28	11.01	2.00	0.00	1.00	0.00	14.30	11.27	2.00	0.00	1.00	0.00
14.32	11.36	2.00	0.00	1.00	0.00	14.34	11.10	2.00	0.00	1.00	0.00
14.36	10.81	2.00	0.00	1.00	0.00	14.38	10.90	2.00	0.00	1.00	0.00
14.40	10.44	2.00	0.00	1.00	0.00	14.42	10.52	2.00	0.00	1.00	0.00
14.44	10.70	2.00	0.00	1.00	0.00	14.46	10.51	2.00	0.00	1.00	0.00
14.48	10.77	2.00	0.00	1.00	0.00	14.50	10.67	2.00	0.00	1.00	0.00
14.52	10.66	2.00	0.00	1.00	0.00	14.54	10.37	2.00	0.00	1.00	0.00
14.56	10.37	2.00	0.00	1.00	0.00	14.58	10.36	2.00	0.00	1.00	0.00
14.60	9.79	2.00	0.00	1.00	0.00	14.62	9.61	2.00	0.00	1.00	0.00
14.64	9.23	2.00	0.00	1.00	0.00	14.66	8.59	2.00	0.00	1.00	0.00
14.68	8.57	2.00	0.00	1.00	0.00	14.70	8.29	2.00	0.00	1.00	0.00
14.72	7.74	2.00	0.00	1.00	0.00	14.74	7.37	2.00	0.00	1.00	0.00
14.76	7.09	2.00	0.00	1.00	0.00	14.78	6.63	2.00	0.00	1.00	0.00
14.80	6.26	2.00	0.00	1.00	0.00	14.82	6.17	2.00	0.00	1.00	0.00
14.84	6.35	2.00	0.00	1.00	0.00	14.86	6.61	2.00	0.00	1.00	0.00
14.88	6.70	2.00	0.00	1.00	0.00	14.90	7.14	2.00	0.00	1.00	0.00
14.92	7.32	2.00	0.00	1.00	0.00	14.94	7.22	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)
14.96	7.22	2.00	0.00	1.00	0.00	14.98	7.30	2.00	0.00	1.00	0.00
15.00	7.03	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.23

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

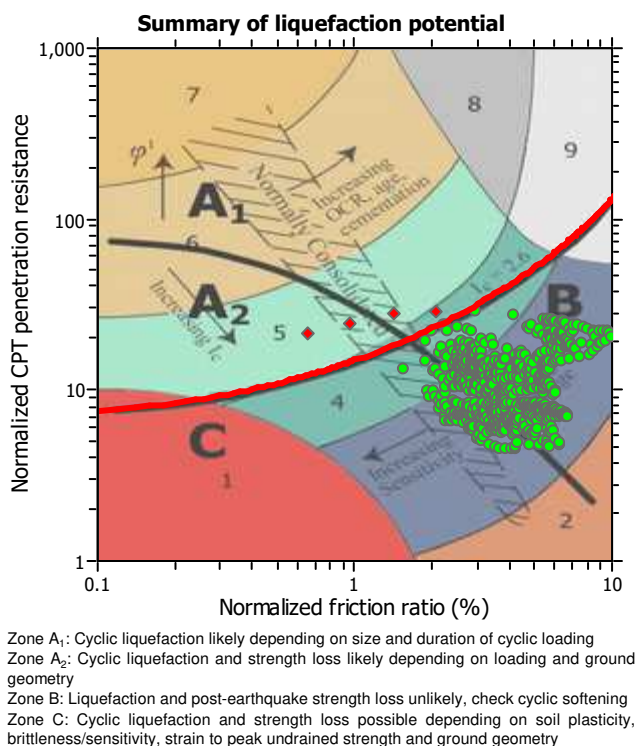
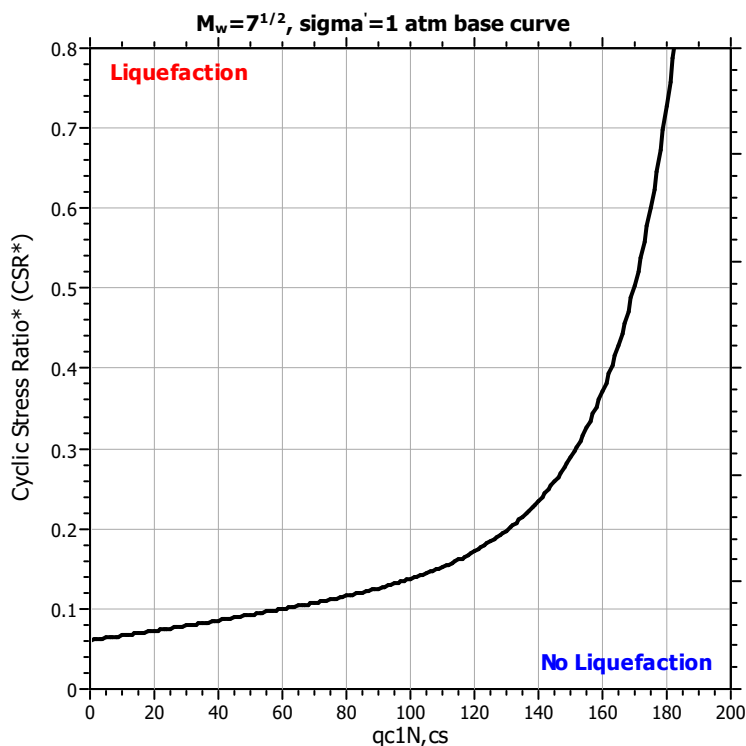
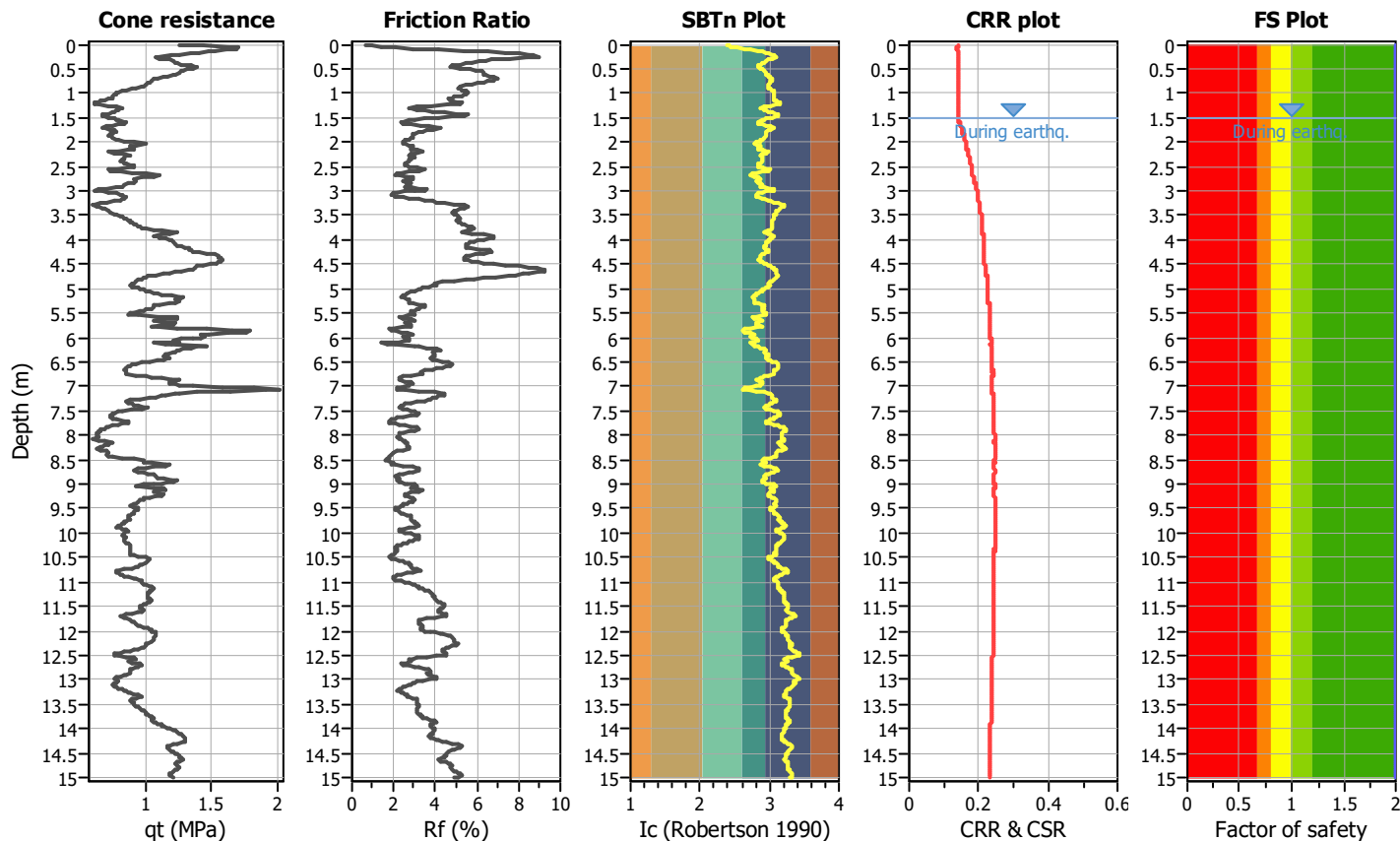
Project title :

Location :

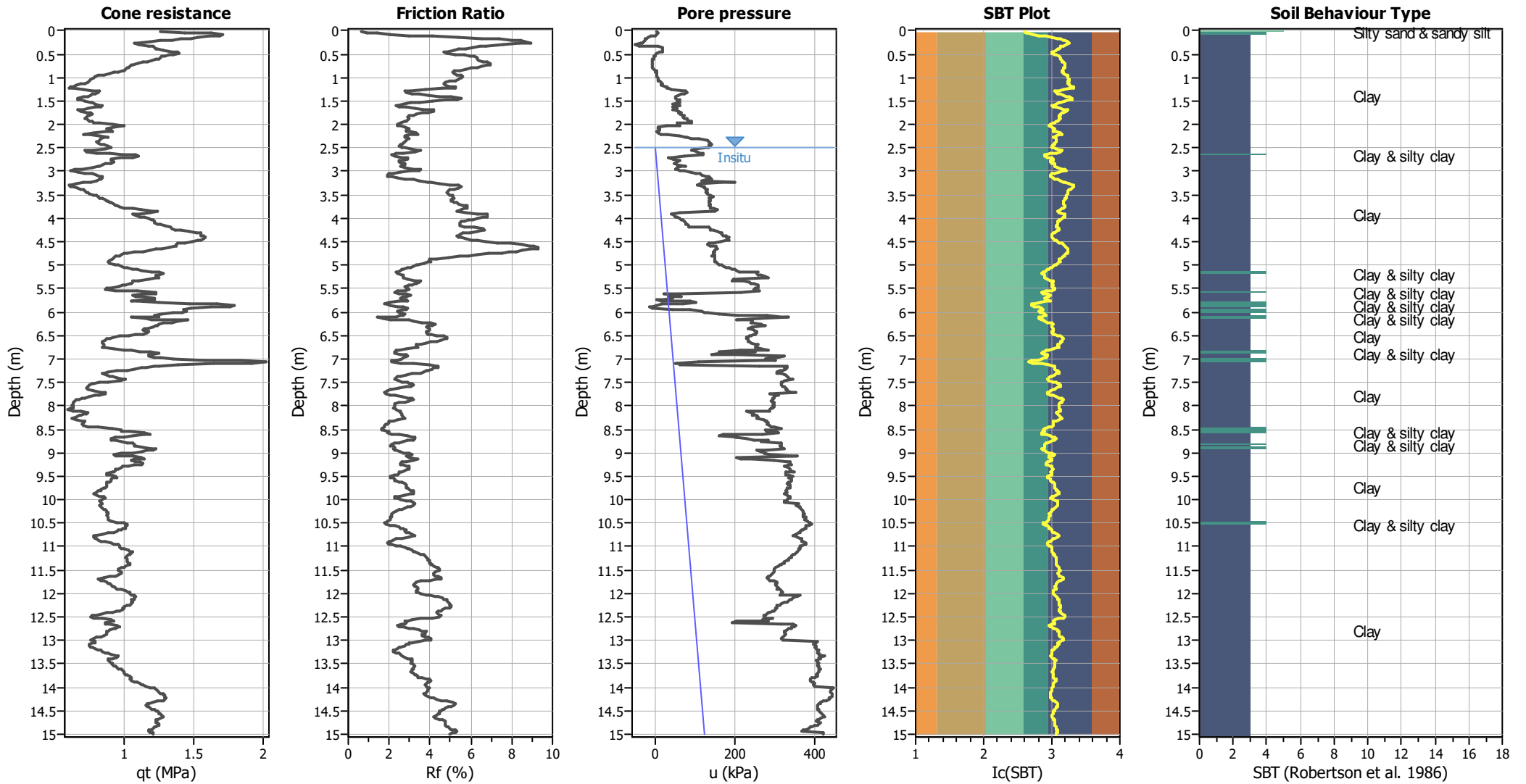
CPT file : cptu3

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



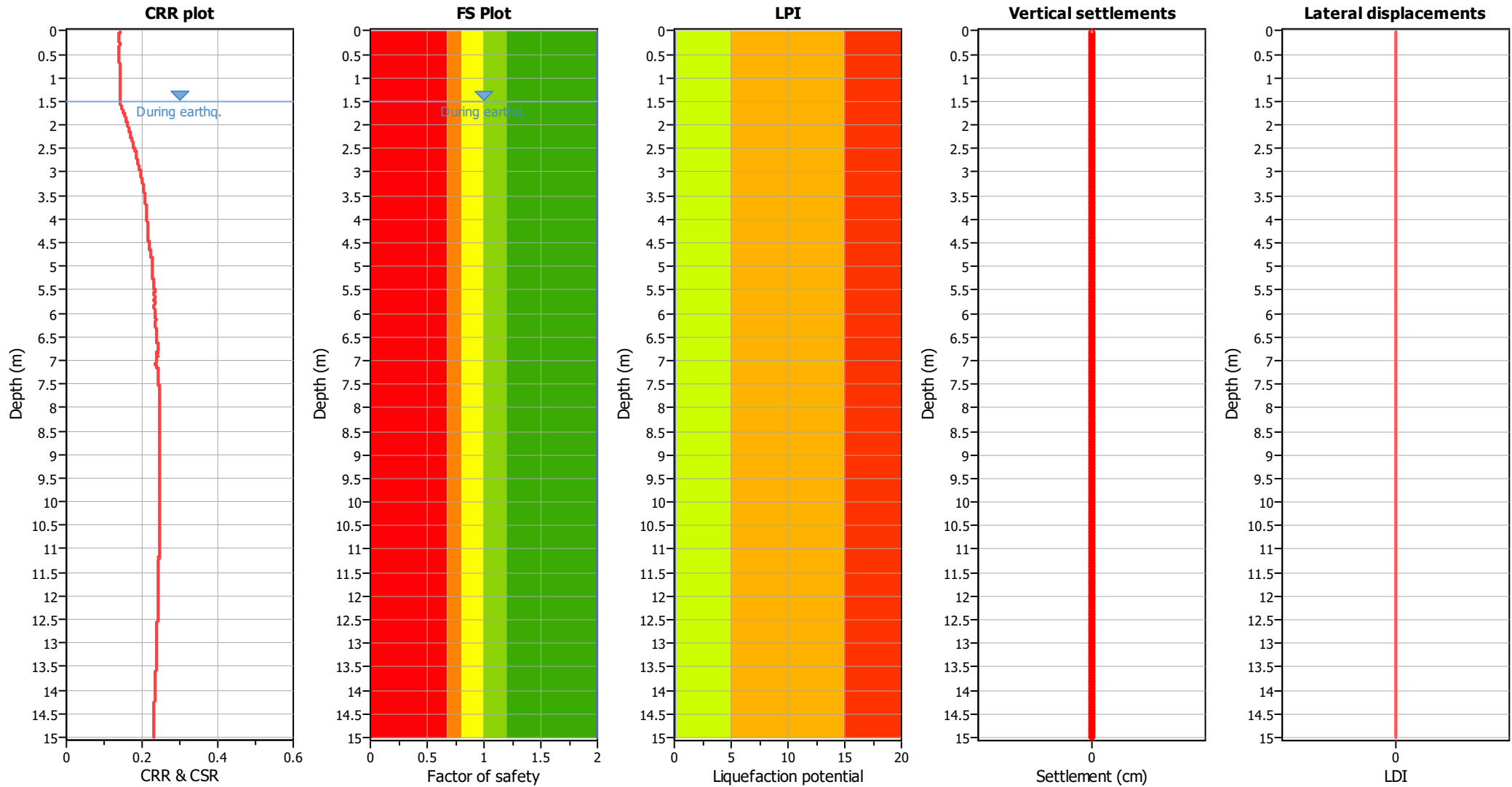
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.94	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
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	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	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.86	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
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.78	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.70	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	8.12	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.62	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
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

:: 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
11.54	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
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

:: 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
13.46	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
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	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: 0.00

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

:: 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)
1.50	11.91	2.00	0.00	1.00	0.00	1.52	12.43	2.00	0.00	1.00	0.00
1.54	13.32	2.00	0.00	1.00	0.00	1.56	12.59	2.00	0.00	1.00	0.00
1.58	13.30	2.00	0.00	1.00	0.00	1.60	15.25	2.00	0.00	1.00	0.00
1.62	13.61	2.00	0.00	1.00	0.00	1.64	12.72	2.00	0.00	1.00	0.00
1.66	12.88	2.00	0.00	1.00	0.00	1.68	11.27	2.00	0.00	1.00	0.00
1.70	10.90	2.00	0.00	1.00	0.00	1.72	10.88	2.00	0.00	1.00	0.00
1.74	12.13	2.00	0.00	1.00	0.00	1.76	13.37	2.00	0.00	1.00	0.00
1.78	12.26	2.00	0.00	1.00	0.00	1.80	12.62	2.00	0.00	1.00	0.00
1.82	12.42	2.00	0.00	1.00	0.00	1.84	11.69	2.00	0.00	1.00	0.00
1.86	11.69	2.00	0.00	1.00	0.00	1.88	12.03	2.00	0.00	1.00	0.00
1.90	12.36	2.00	0.00	1.00	0.00	1.92	12.16	2.00	0.00	1.00	0.00
1.94	12.34	2.00	0.00	1.00	0.00	1.96	13.40	2.00	0.00	1.00	0.00
1.98	13.02	2.00	0.00	1.00	0.00	2.00	14.63	2.00	0.00	1.00	0.00
2.02	17.83	2.00	0.00	1.00	0.00	2.04	17.08	2.00	0.00	1.00	0.00
2.06	15.28	2.00	0.00	1.00	0.00	2.08	14.39	2.00	0.00	1.00	0.00
2.10	14.55	2.00	0.00	1.00	0.00	2.12	15.42	2.00	0.00	1.00	0.00
2.14	15.78	2.00	0.00	1.00	0.00	2.16	14.87	2.00	0.00	1.00	0.00
2.18	13.05	2.00	0.00	1.00	0.00	2.20	11.43	2.00	0.00	1.00	0.00
2.22	11.25	2.00	0.00	1.00	0.00	2.24	14.92	2.00	0.00	1.00	0.00
2.26	14.74	2.00	0.00	1.00	0.00	2.28	14.02	2.00	0.00	1.00	0.00
2.30	13.49	2.00	0.00	1.00	0.00	2.32	13.49	2.00	0.00	1.00	0.00
2.34	13.78	2.00	0.00	1.00	0.00	2.36	13.04	2.00	0.00	1.00	0.00
2.38	12.65	2.00	0.00	1.00	0.00	2.40	12.93	2.00	0.00	1.00	0.00
2.42	13.38	2.00	0.00	1.00	0.00	2.44	13.48	2.00	0.00	1.00	0.00
2.46	13.76	2.00	0.00	1.00	0.00	2.48	14.51	2.00	0.00	1.00	0.00
2.50	14.44	2.00	0.00	1.00	0.00	2.52	13.91	2.00	0.00	1.00	0.00
2.54	12.37	2.00	0.00	1.00	0.00	2.56	10.69	2.00	0.00	1.00	0.00
2.58	11.01	2.00	0.00	1.00	0.00	2.60	12.47	2.00	0.00	1.00	0.00
2.62	13.94	2.00	0.00	1.00	0.00	2.64	15.53	2.00	0.00	1.00	0.00
2.66	16.81	2.00	0.00	1.00	0.00	2.68	18.19	2.00	0.00	1.00	0.00
2.70	16.55	2.00	0.00	1.00	0.00	2.72	14.88	2.00	0.00	1.00	0.00
2.74	13.88	2.00	0.00	1.00	0.00	2.76	13.85	2.00	0.00	1.00	0.00
2.78	14.47	2.00	0.00	1.00	0.00	2.80	14.44	2.00	0.00	1.00	0.00
2.82	14.25	2.00	0.00	1.00	0.00	2.84	13.58	2.00	0.00	1.00	0.00
2.86	12.58	2.00	0.00	1.00	0.00	2.88	12.88	2.00	0.00	1.00	0.00
2.90	12.84	2.00	0.00	1.00	0.00	2.92	11.85	2.00	0.00	1.00	0.00
2.94	10.83	2.00	0.00	1.00	0.00	2.96	9.69	2.00	0.00	1.00	0.00
2.98	9.17	2.00	0.00	1.00	0.00	3.00	9.32	2.00	0.00	1.00	0.00
3.02	10.09	2.00	0.00	1.00	0.00	3.04	11.05	2.00	0.00	1.00	0.00
3.06	11.52	2.00	0.00	1.00	0.00	3.08	12.13	2.00	0.00	1.00	0.00
3.10	12.27	2.00	0.00	1.00	0.00	3.12	12.70	2.00	0.00	1.00	0.00
3.14	12.67	2.00	0.00	1.00	0.00	3.16	12.31	2.00	0.00	1.00	0.00
3.18	12.28	2.00	0.00	1.00	0.00	3.20	11.95	2.00	0.00	1.00	0.00
3.22	11.05	2.00	0.00	1.00	0.00	3.24	10.25	2.00	0.00	1.00	0.00
3.26	9.60	2.00	0.00	1.00	0.00	3.28	8.94	2.00	0.00	1.00	0.00
3.30	8.76	2.00	0.00	1.00	0.00	3.32	8.91	2.00	0.00	1.00	0.00
3.34	9.52	2.00	0.00	1.00	0.00	3.36	9.66	2.00	0.00	1.00	0.00
3.38	10.27	2.00	0.00	1.00	0.00	3.40	10.26	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)
3.42	10.54	2.00	0.00	1.00	0.00	3.44	10.52	2.00	0.00	1.00	0.00
3.46	10.50	2.00	0.00	1.00	0.00	3.48	10.95	2.00	0.00	1.00	0.00
3.50	11.21	2.00	0.00	1.00	0.00	3.52	11.65	2.00	0.00	1.00	0.00
3.54	11.62	2.00	0.00	1.00	0.00	3.56	11.90	2.00	0.00	1.00	0.00
3.58	12.04	2.00	0.00	1.00	0.00	3.60	12.32	2.00	0.00	1.00	0.00
3.62	12.59	2.00	0.00	1.00	0.00	3.64	12.57	2.00	0.00	1.00	0.00
3.66	12.70	2.00	0.00	1.00	0.00	3.68	12.97	2.00	0.00	1.00	0.00
3.70	13.10	2.00	0.00	1.00	0.00	3.72	13.51	2.00	0.00	1.00	0.00
3.74	13.19	2.00	0.00	1.00	0.00	3.76	13.44	2.00	0.00	1.00	0.00
3.78	14.16	2.00	0.00	1.00	0.00	3.80	14.58	2.00	0.00	1.00	0.00
3.82	16.01	2.00	0.00	1.00	0.00	3.84	16.58	2.00	0.00	1.00	0.00
3.86	18.01	2.00	0.00	1.00	0.00	3.88	17.23	2.00	0.00	1.00	0.00
3.90	14.72	2.00	0.00	1.00	0.00	3.92	15.27	2.00	0.00	1.00	0.00
3.94	15.10	2.00	0.00	1.00	0.00	3.96	15.48	2.00	0.00	1.00	0.00
3.98	16.18	2.00	0.00	1.00	0.00	4.00	16.58	2.00	0.00	1.00	0.00
4.02	16.69	2.00	0.00	1.00	0.00	4.04	16.80	2.00	0.00	1.00	0.00
4.06	16.77	2.00	0.00	1.00	0.00	4.08	16.88	2.00	0.00	1.00	0.00
4.10	16.85	2.00	0.00	1.00	0.00	4.12	16.81	2.00	0.00	1.00	0.00
4.14	17.36	2.00	0.00	1.00	0.00	4.16	17.87	2.00	0.00	1.00	0.00
4.18	17.99	2.00	0.00	1.00	0.00	4.20	18.52	2.00	0.00	1.00	0.00
4.22	17.78	2.00	0.00	1.00	0.00	4.24	18.17	2.00	0.00	1.00	0.00
4.26	18.99	2.00	0.00	1.00	0.00	4.28	19.53	2.00	0.00	1.00	0.00
4.30	20.47	2.00	0.00	1.00	0.00	4.32	21.00	2.00	0.00	1.00	0.00
4.34	20.69	2.00	0.00	1.00	0.00	4.36	20.38	2.00	0.00	1.00	0.00
4.38	20.89	2.00	0.00	1.00	0.00	4.40	20.99	2.00	0.00	1.00	0.00
4.42	20.95	2.00	0.00	1.00	0.00	4.44	20.64	2.00	0.00	1.00	0.00
4.46	20.60	2.00	0.00	1.00	0.00	4.48	20.12	2.00	0.00	1.00	0.00
4.50	19.67	2.00	0.00	1.00	0.00	4.52	18.94	2.00	0.00	1.00	0.00
4.54	18.22	2.00	0.00	1.00	0.00	4.56	17.64	2.00	0.00	1.00	0.00
4.58	18.15	2.00	0.00	1.00	0.00	4.60	18.25	2.00	0.00	1.00	0.00
4.62	17.11	2.00	0.00	1.00	0.00	4.64	16.54	2.00	0.00	1.00	0.00
4.66	15.95	2.00	0.00	1.00	0.00	4.68	15.48	2.00	0.00	1.00	0.00
4.70	14.77	2.00	0.00	1.00	0.00	4.72	13.91	2.00	0.00	1.00	0.00
4.74	13.19	2.00	0.00	1.00	0.00	4.76	12.61	2.00	0.00	1.00	0.00
4.78	13.01	2.00	0.00	1.00	0.00	4.80	12.56	2.00	0.00	1.00	0.00
4.82	11.85	2.00	0.00	1.00	0.00	4.84	11.84	2.00	0.00	1.00	0.00
4.86	11.96	2.00	0.00	1.00	0.00	4.88	11.64	2.00	0.00	1.00	0.00
4.90	11.49	2.00	0.00	1.00	0.00	4.92	11.33	2.00	0.00	1.00	0.00
4.94	11.04	2.00	0.00	1.00	0.00	4.96	11.58	2.00	0.00	1.00	0.00
4.98	11.73	2.00	0.00	1.00	0.00	5.00	12.26	2.00	0.00	1.00	0.00
5.02	12.38	2.00	0.00	1.00	0.00	5.04	12.52	2.00	0.00	1.00	0.00
5.06	12.91	2.00	0.00	1.00	0.00	5.08	13.31	2.00	0.00	1.00	0.00
5.10	13.85	2.00	0.00	1.00	0.00	5.12	13.97	2.00	0.00	1.00	0.00
5.14	14.37	2.00	0.00	1.00	0.00	5.16	16.39	2.00	0.00	1.00	0.00
5.18	15.97	2.00	0.00	1.00	0.00	5.20	15.42	2.00	0.00	1.00	0.00
5.22	14.87	2.00	0.00	1.00	0.00	5.24	15.12	2.00	0.00	1.00	0.00
5.26	15.50	2.00	0.00	1.00	0.00	5.28	15.34	2.00	0.00	1.00	0.00
5.30	14.52	2.00	0.00	1.00	0.00	5.32	13.56	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)
5.34	12.74	2.00	0.00	1.00	0.00	5.36	12.72	2.00	0.00	1.00	0.00
5.38	13.65	2.00	0.00	1.00	0.00	5.40	12.30	2.00	0.00	1.00	0.00
5.42	12.02	2.00	0.00	1.00	0.00	5.44	12.27	2.00	0.00	1.00	0.00
5.46	11.46	2.00	0.00	1.00	0.00	5.48	10.91	2.00	0.00	1.00	0.00
5.50	10.50	2.00	0.00	1.00	0.00	5.52	10.09	2.00	0.00	1.00	0.00
5.54	10.74	2.00	0.00	1.00	0.00	5.56	13.12	2.00	0.00	1.00	0.00
5.58	15.87	2.00	0.00	1.00	0.00	5.60	16.24	2.00	0.00	1.00	0.00
5.62	13.73	2.00	0.00	1.00	0.00	5.64	13.05	2.00	0.00	1.00	0.00
5.66	13.03	2.00	0.00	1.00	0.00	5.68	14.33	2.00	0.00	1.00	0.00
5.70	15.10	2.00	0.00	1.00	0.00	5.72	16.12	2.00	0.00	1.00	0.00
5.74	14.15	2.00	0.00	1.00	0.00	5.76	12.44	2.00	0.00	1.00	0.00
5.78	12.55	2.00	0.00	1.00	0.00	5.80	15.28	2.00	0.00	1.00	0.00
5.82	17.99	2.00	0.00	1.00	0.00	5.84	20.80	2.00	0.00	1.00	0.00
5.86	22.56	2.00	0.00	1.00	0.00	5.88	22.52	2.00	0.00	1.00	0.00
5.90	19.68	2.00	0.00	1.00	0.00	5.92	17.86	2.00	0.00	1.00	0.00
5.94	16.82	2.00	0.00	1.00	0.00	5.96	17.44	2.00	0.00	1.00	0.00
5.98	17.68	2.00	0.00	1.00	0.00	6.00	17.40	2.00	0.00	1.00	0.00
6.02	16.23	2.00	0.00	1.00	0.00	6.04	15.06	2.00	0.00	1.00	0.00
6.06	14.15	2.00	0.00	1.00	0.00	6.08	13.88	2.00	0.00	1.00	0.00
6.10	14.63	2.00	0.00	1.00	0.00	6.12	15.00	2.00	0.00	1.00	0.00
6.14	6.82	2.00	0.00	1.00	0.00	6.16	18.31	2.00	0.00	1.00	0.00
6.18	16.90	2.00	0.00	1.00	0.00	6.20	16.12	2.00	0.00	1.00	0.00
6.22	15.73	2.00	0.00	1.00	0.00	6.24	15.07	2.00	0.00	1.00	0.00
6.26	14.04	2.00	0.00	1.00	0.00	6.28	14.28	2.00	0.00	1.00	0.00
6.30	14.51	2.00	0.00	1.00	0.00	6.32	13.74	2.00	0.00	1.00	0.00
6.34	13.46	2.00	0.00	1.00	0.00	6.36	13.06	2.00	0.00	1.00	0.00
6.38	13.05	2.00	0.00	1.00	0.00	6.40	13.16	2.00	0.00	1.00	0.00
6.42	13.77	2.00	0.00	1.00	0.00	6.44	13.50	2.00	0.00	1.00	0.00
6.46	12.98	2.00	0.00	1.00	0.00	6.48	12.46	2.00	0.00	1.00	0.00
6.50	11.69	2.00	0.00	1.00	0.00	6.52	11.05	2.00	0.00	1.00	0.00
6.54	10.29	2.00	0.00	1.00	0.00	6.56	10.15	2.00	0.00	1.00	0.00
6.58	10.01	2.00	0.00	1.00	0.00	6.60	9.61	2.00	0.00	1.00	0.00
6.62	9.48	2.00	0.00	1.00	0.00	6.64	9.47	2.00	0.00	1.00	0.00
6.66	9.45	2.00	0.00	1.00	0.00	6.68	9.32	2.00	0.00	1.00	0.00
6.70	9.81	2.00	0.00	1.00	0.00	6.72	9.55	2.00	0.00	1.00	0.00
6.74	9.29	2.00	0.00	1.00	0.00	6.76	9.28	2.00	0.00	1.00	0.00
6.78	9.89	2.00	0.00	1.00	0.00	6.80	11.74	2.00	0.00	1.00	0.00
6.82	11.85	2.00	0.00	1.00	0.00	6.84	11.84	2.00	0.00	1.00	0.00
6.86	14.04	2.00	0.00	1.00	0.00	6.88	14.64	2.00	0.00	1.00	0.00
6.90	13.76	2.00	0.00	1.00	0.00	6.92	12.40	2.00	0.00	1.00	0.00
6.94	13.36	2.00	0.00	1.00	0.00	6.96	13.49	2.00	0.00	1.00	0.00
6.98	13.72	2.00	0.00	1.00	0.00	7.00	14.56	2.00	0.00	1.00	0.00
7.02	16.85	2.00	0.00	1.00	0.00	7.04	21.31	2.00	0.00	1.00	0.00
7.06	23.45	2.00	0.00	1.00	0.00	7.08	23.77	2.00	0.00	1.00	0.00
7.10	18.35	2.00	0.00	1.00	0.00	7.12	14.22	2.00	0.00	1.00	0.00
7.14	14.39	2.00	0.00	1.00	0.00	7.16	13.04	2.00	0.00	1.00	0.00
7.18	12.54	2.00	0.00	1.00	0.00	7.20	12.05	2.00	0.00	1.00	0.00
7.22	11.79	2.00	0.00	1.00	0.00	7.24	11.06	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)
7.26	10.20	2.00	0.00	1.00	0.00	7.28	9.34	2.00	0.00	1.00	0.00
7.30	8.85	2.00	0.00	1.00	0.00	7.32	8.96	2.00	0.00	1.00	0.00
7.34	9.19	2.00	0.00	1.00	0.00	7.36	9.55	2.00	0.00	1.00	0.00
7.38	9.66	2.00	0.00	1.00	0.00	7.40	9.76	2.00	0.00	1.00	0.00
7.42	10.59	2.00	0.00	1.00	0.00	7.44	11.06	2.00	0.00	1.00	0.00
7.46	10.45	2.00	0.00	1.00	0.00	7.48	9.24	2.00	0.00	1.00	0.00
7.50	8.39	2.00	0.00	1.00	0.00	7.52	8.26	2.00	0.00	1.00	0.00
7.54	7.90	2.00	0.00	1.00	0.00	7.56	7.78	2.00	0.00	1.00	0.00
7.58	7.65	2.00	0.00	1.00	0.00	7.60	7.53	2.00	0.00	1.00	0.00
7.62	7.64	2.00	0.00	1.00	0.00	7.64	7.51	2.00	0.00	1.00	0.00
7.66	7.62	2.00	0.00	1.00	0.00	7.68	7.74	2.00	0.00	1.00	0.00
7.70	8.68	2.00	0.00	1.00	0.00	7.72	9.38	2.00	0.00	1.00	0.00
7.74	8.90	2.00	0.00	1.00	0.00	7.76	8.79	2.00	0.00	1.00	0.00
7.78	8.07	2.00	0.00	1.00	0.00	7.80	7.70	2.00	0.00	1.00	0.00
7.82	7.46	2.00	0.00	1.00	0.00	7.84	7.10	2.00	0.00	1.00	0.00
7.86	6.88	2.00	0.00	1.00	0.00	7.88	6.87	2.00	0.00	1.00	0.00
7.90	6.51	2.00	0.00	1.00	0.00	7.92	6.39	2.00	0.00	1.00	0.00
7.94	6.50	2.00	0.00	1.00	0.00	7.96	6.38	2.00	0.00	1.00	0.00
7.98	6.26	2.00	0.00	1.00	0.00	8.00	6.38	2.00	0.00	1.00	0.00
8.02	6.49	2.00	0.00	1.00	0.00	8.04	6.36	2.00	0.00	1.00	0.00
8.06	6.24	2.00	0.00	1.00	0.00	8.08	6.00	2.00	0.00	1.00	0.00
8.10	5.64	2.00	0.00	1.00	0.00	8.12	7.69	2.00	0.00	1.00	0.00
8.14	7.80	2.00	0.00	1.00	0.00	8.16	7.56	2.00	0.00	1.00	0.00
8.18	7.32	2.00	0.00	1.00	0.00	8.20	6.97	2.00	0.00	1.00	0.00
8.22	6.96	2.00	0.00	1.00	0.00	8.24	6.72	2.00	0.00	1.00	0.00
8.26	6.25	2.00	0.00	1.00	0.00	8.28	6.13	2.00	0.00	1.00	0.00
8.30	6.47	2.00	0.00	1.00	0.00	8.32	7.28	2.00	0.00	1.00	0.00
8.34	7.27	2.00	0.00	1.00	0.00	8.36	7.27	2.00	0.00	1.00	0.00
8.38	7.03	2.00	0.00	1.00	0.00	8.40	6.91	2.00	0.00	1.00	0.00
8.42	7.25	2.00	0.00	1.00	0.00	8.44	7.24	2.00	0.00	1.00	0.00
8.46	7.93	2.00	0.00	1.00	0.00	8.48	9.41	2.00	0.00	1.00	0.00
8.50	10.56	2.00	0.00	1.00	0.00	8.52	10.09	2.00	0.00	1.00	0.00
8.54	9.50	2.00	0.00	1.00	0.00	8.56	10.41	2.00	0.00	1.00	0.00
8.58	11.89	2.00	0.00	1.00	0.00	8.60	12.90	2.00	0.00	1.00	0.00
8.62	11.99	2.00	0.00	1.00	0.00	8.64	10.95	2.00	0.00	1.00	0.00
8.66	10.37	2.00	0.00	1.00	0.00	8.68	9.91	2.00	0.00	1.00	0.00
8.70	8.76	2.00	0.00	1.00	0.00	8.72	9.09	2.00	0.00	1.00	0.00
8.74	9.77	2.00	0.00	1.00	0.00	8.76	9.63	2.00	0.00	1.00	0.00
8.78	10.31	2.00	0.00	1.00	0.00	8.80	10.99	2.00	0.00	1.00	0.00
8.82	10.85	2.00	0.00	1.00	0.00	8.84	10.50	2.00	0.00	1.00	0.00
8.86	10.95	2.00	0.00	1.00	0.00	8.88	11.16	2.00	0.00	1.00	0.00
8.90	12.28	2.00	0.00	1.00	0.00	8.92	12.72	2.00	0.00	1.00	0.00
8.94	12.37	2.00	0.00	1.00	0.00	8.96	11.57	2.00	0.00	1.00	0.00
8.98	11.45	2.00	0.00	1.00	0.00	9.00	10.99	2.00	0.00	1.00	0.00
9.02	9.75	2.00	0.00	1.00	0.00	9.04	8.73	2.00	0.00	1.00	0.00
9.06	9.17	2.00	0.00	1.00	0.00	9.08	9.72	2.00	0.00	1.00	0.00
9.10	12.86	2.00	0.00	1.00	0.00	9.12	11.51	2.00	0.00	1.00	0.00
9.14	10.38	2.00	0.00	1.00	0.00	9.16	10.37	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.18	10.70	2.00	0.00	1.00	0.00	9.20	11.02	2.00	0.00	1.00	0.00
9.22	11.34	2.00	0.00	1.00	0.00	9.24	11.11	2.00	0.00	1.00	0.00
9.26	10.77	2.00	0.00	1.00	0.00	9.28	9.87	2.00	0.00	1.00	0.00
9.30	9.53	2.00	0.00	1.00	0.00	9.32	9.52	2.00	0.00	1.00	0.00
9.34	9.51	2.00	0.00	1.00	0.00	9.36	8.84	2.00	0.00	1.00	0.00
9.38	8.94	2.00	0.00	1.00	0.00	9.40	9.38	2.00	0.00	1.00	0.00
9.42	8.59	2.00	0.00	1.00	0.00	9.44	8.47	2.00	0.00	1.00	0.00
9.46	8.13	2.00	0.00	1.00	0.00	9.48	8.57	2.00	0.00	1.00	0.00
9.50	9.33	2.00	0.00	1.00	0.00	9.52	9.10	2.00	0.00	1.00	0.00
9.54	8.87	2.00	0.00	1.00	0.00	9.56	8.54	2.00	0.00	1.00	0.00
9.58	8.75	2.00	0.00	1.00	0.00	9.60	8.85	2.00	0.00	1.00	0.00
9.62	8.42	2.00	0.00	1.00	0.00	9.64	8.41	2.00	0.00	1.00	0.00
9.66	8.28	2.00	0.00	1.00	0.00	9.68	8.17	2.00	0.00	1.00	0.00
9.70	8.38	2.00	0.00	1.00	0.00	9.72	8.27	2.00	0.00	1.00	0.00
9.74	8.27	2.00	0.00	1.00	0.00	9.76	8.04	2.00	0.00	1.00	0.00
9.78	8.03	2.00	0.00	1.00	0.00	9.80	7.70	2.00	0.00	1.00	0.00
9.82	7.80	2.00	0.00	1.00	0.00	9.84	7.58	2.00	0.00	1.00	0.00
9.86	7.25	2.00	0.00	1.00	0.00	9.88	7.24	2.00	0.00	1.00	0.00
9.90	7.45	2.00	0.00	1.00	0.00	9.92	7.77	2.00	0.00	1.00	0.00
9.94	7.98	2.00	0.00	1.00	0.00	9.96	8.19	2.00	0.00	1.00	0.00
9.98	8.08	2.00	0.00	1.00	0.00	10.00	7.64	2.00	0.00	1.00	0.00
10.02	7.95	2.00	0.00	1.00	0.00	10.04	7.62	2.00	0.00	1.00	0.00
10.06	7.51	2.00	0.00	1.00	0.00	10.08	8.18	2.00	0.00	1.00	0.00
10.10	7.74	2.00	0.00	1.00	0.00	10.12	7.63	2.00	0.00	1.00	0.00
10.14	7.62	2.00	0.00	1.00	0.00	10.16	7.72	2.00	0.00	1.00	0.00
10.18	7.61	2.00	0.00	1.00	0.00	10.20	7.93	2.00	0.00	1.00	0.00
10.22	8.03	2.00	0.00	1.00	0.00	10.24	8.02	2.00	0.00	1.00	0.00
10.26	8.12	2.00	0.00	1.00	0.00	10.28	8.11	2.00	0.00	1.00	0.00
10.30	8.11	2.00	0.00	1.00	0.00	10.32	8.10	2.00	0.00	1.00	0.00
10.34	8.09	2.00	0.00	1.00	0.00	10.36	7.98	2.00	0.00	1.00	0.00
10.38	8.19	2.00	0.00	1.00	0.00	10.40	8.18	2.00	0.00	1.00	0.00
10.42	7.96	2.00	0.00	1.00	0.00	10.44	8.06	2.00	0.00	1.00	0.00
10.46	8.16	2.00	0.00	1.00	0.00	10.48	8.58	2.00	0.00	1.00	0.00
10.50	9.21	2.00	0.00	1.00	0.00	10.52	9.63	2.00	0.00	1.00	0.00
10.54	9.41	2.00	0.00	1.00	0.00	10.56	9.19	2.00	0.00	1.00	0.00
10.58	9.39	2.00	0.00	1.00	0.00	10.60	9.28	2.00	0.00	1.00	0.00
10.62	9.06	2.00	0.00	1.00	0.00	10.64	8.96	2.00	0.00	1.00	0.00
10.66	8.74	2.00	0.00	1.00	0.00	10.68	8.63	2.00	0.00	1.00	0.00
10.70	8.52	2.00	0.00	1.00	0.00	10.72	8.19	2.00	0.00	1.00	0.00
10.74	7.56	2.00	0.00	1.00	0.00	10.76	7.02	2.00	0.00	1.00	0.00
10.78	6.91	2.00	0.00	1.00	0.00	10.80	7.02	2.00	0.00	1.00	0.00
10.82	7.00	2.00	0.00	1.00	0.00	10.84	7.31	2.00	0.00	1.00	0.00
10.86	7.30	2.00	0.00	1.00	0.00	10.88	7.30	2.00	0.00	1.00	0.00
10.90	7.82	2.00	0.00	1.00	0.00	10.92	8.02	2.00	0.00	1.00	0.00
10.94	8.53	2.00	0.00	1.00	0.00	10.96	8.53	2.00	0.00	1.00	0.00
10.98	8.83	2.00	0.00	1.00	0.00	11.00	8.83	2.00	0.00	1.00	0.00
11.02	8.61	2.00	0.00	1.00	0.00	11.04	8.81	2.00	0.00	1.00	0.00
11.06	9.13	2.00	0.00	1.00	0.00	11.08	9.23	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.10	9.53	2.00	0.00	1.00	0.00	11.12	9.63	2.00	0.00	1.00	0.00
11.14	9.62	2.00	0.00	1.00	0.00	11.16	9.41	2.00	0.00	1.00	0.00
11.18	9.40	2.00	0.00	1.00	0.00	11.20	9.19	2.00	0.00	1.00	0.00
11.22	9.18	2.00	0.00	1.00	0.00	11.24	9.07	2.00	0.00	1.00	0.00
11.26	9.15	2.00	0.00	1.00	0.00	11.28	9.35	2.00	0.00	1.00	0.00
11.30	9.14	2.00	0.00	1.00	0.00	11.32	9.13	2.00	0.00	1.00	0.00
11.34	9.33	2.00	0.00	1.00	0.00	11.36	9.53	2.00	0.00	1.00	0.00
11.38	9.31	2.00	0.00	1.00	0.00	11.40	9.40	2.00	0.00	1.00	0.00
11.42	9.08	2.00	0.00	1.00	0.00	11.44	8.97	2.00	0.00	1.00	0.00
11.46	8.86	2.00	0.00	1.00	0.00	11.48	8.65	2.00	0.00	1.00	0.00
11.50	8.43	2.00	0.00	1.00	0.00	11.52	8.63	2.00	0.00	1.00	0.00
11.54	8.83	2.00	0.00	1.00	0.00	11.56	8.82	2.00	0.00	1.00	0.00
11.58	8.81	2.00	0.00	1.00	0.00	11.60	8.68	2.00	0.00	1.00	0.00
11.62	8.37	2.00	0.00	1.00	0.00	11.64	8.06	2.00	0.00	1.00	0.00
11.66	7.45	2.00	0.00	1.00	0.00	11.68	7.14	2.00	0.00	1.00	0.00
11.70	7.12	2.00	0.00	1.00	0.00	11.72	7.22	2.00	0.00	1.00	0.00
11.74	7.62	2.00	0.00	1.00	0.00	11.76	7.81	2.00	0.00	1.00	0.00
11.78	7.81	2.00	0.00	1.00	0.00	11.80	7.80	2.00	0.00	1.00	0.00
11.82	8.00	2.00	0.00	1.00	0.00	11.84	8.19	2.00	0.00	1.00	0.00
11.86	8.18	2.00	0.00	1.00	0.00	11.88	8.28	2.00	0.00	1.00	0.00
11.90	8.27	2.00	0.00	1.00	0.00	11.92	8.57	2.00	0.00	1.00	0.00
11.94	9.06	2.00	0.00	1.00	0.00	11.96	9.16	2.00	0.00	1.00	0.00
11.98	9.15	2.00	0.00	1.00	0.00	12.00	9.14	2.00	0.00	1.00	0.00
12.02	9.33	2.00	0.00	1.00	0.00	12.04	9.37	2.00	0.00	1.00	0.00
12.06	9.57	2.00	0.00	1.00	0.00	12.08	9.26	2.00	0.00	1.00	0.00
12.10	9.55	2.00	0.00	1.00	0.00	12.12	9.24	2.00	0.00	1.00	0.00
12.14	9.24	2.00	0.00	1.00	0.00	12.16	9.23	2.00	0.00	1.00	0.00
12.18	9.32	2.00	0.00	1.00	0.00	12.20	9.21	2.00	0.00	1.00	0.00
12.22	9.11	2.00	0.00	1.00	0.00	12.24	9.20	2.00	0.00	1.00	0.00
12.26	8.98	2.00	0.00	1.00	0.00	12.28	8.58	2.00	0.00	1.00	0.00
12.30	8.67	2.00	0.00	1.00	0.00	12.32	8.66	2.00	0.00	1.00	0.00
12.34	8.65	2.00	0.00	1.00	0.00	12.36	8.54	2.00	0.00	1.00	0.00
12.38	8.14	2.00	0.00	1.00	0.00	12.40	7.94	2.00	0.00	1.00	0.00
12.42	7.64	2.00	0.00	1.00	0.00	12.44	7.22	2.00	0.00	1.00	0.00
12.46	6.82	2.00	0.00	1.00	0.00	12.48	6.52	2.00	0.00	1.00	0.00
12.50	6.32	2.00	0.00	1.00	0.00	12.52	6.51	2.00	0.00	1.00	0.00
12.54	7.29	2.00	0.00	1.00	0.00	12.56	7.96	2.00	0.00	1.00	0.00
12.58	8.25	2.00	0.00	1.00	0.00	12.60	8.05	2.00	0.00	1.00	0.00
12.62	7.55	2.00	0.00	1.00	0.00	12.64	6.96	2.00	0.00	1.00	0.00
12.66	7.54	2.00	0.00	1.00	0.00	12.68	8.22	2.00	0.00	1.00	0.00
12.70	8.31	2.00	0.00	1.00	0.00	12.72	8.02	2.00	0.00	1.00	0.00
12.74	8.01	2.00	0.00	1.00	0.00	12.76	7.71	2.00	0.00	1.00	0.00
12.78	7.71	2.00	0.00	1.00	0.00	12.80	7.32	2.00	0.00	1.00	0.00
12.82	7.41	2.00	0.00	1.00	0.00	12.84	7.31	2.00	0.00	1.00	0.00
12.86	7.40	2.00	0.00	1.00	0.00	12.88	7.30	2.00	0.00	1.00	0.00
12.90	7.29	2.00	0.00	1.00	0.00	12.92	6.90	2.00	0.00	1.00	0.00
12.94	6.70	2.00	0.00	1.00	0.00	12.96	6.41	2.00	0.00	1.00	0.00
12.98	6.31	2.00	0.00	1.00	0.00	13.00	6.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.02	6.63	2.00	0.00	1.00	0.00	13.04	6.34	2.00	0.00	1.00	0.00
13.06	6.24	2.00	0.00	1.00	0.00	13.08	6.14	2.00	0.00	1.00	0.00
13.10	5.85	2.00	0.00	1.00	0.00	13.12	6.13	2.00	0.00	1.00	0.00
13.14	6.13	2.00	0.00	1.00	0.00	13.16	6.12	2.00	0.00	1.00	0.00
13.18	6.31	2.00	0.00	1.00	0.00	13.20	6.69	2.00	0.00	1.00	0.00
13.22	6.68	2.00	0.00	1.00	0.00	13.24	6.87	2.00	0.00	1.00	0.00
13.26	7.06	2.00	0.00	1.00	0.00	13.28	7.05	2.00	0.00	1.00	0.00
13.30	7.43	2.00	0.00	1.00	0.00	13.32	7.73	2.00	0.00	1.00	0.00
13.34	7.92	2.00	0.00	1.00	0.00	13.36	7.91	2.00	0.00	1.00	0.00
13.38	7.33	2.00	0.00	1.00	0.00	13.40	7.23	2.00	0.00	1.00	0.00
13.42	7.04	2.00	0.00	1.00	0.00	13.44	7.13	2.00	0.00	1.00	0.00
13.46	7.22	2.00	0.00	1.00	0.00	13.48	7.40	2.00	0.00	1.00	0.00
13.50	7.40	2.00	0.00	1.00	0.00	13.52	7.39	2.00	0.00	1.00	0.00
13.54	7.39	2.00	0.00	1.00	0.00	13.56	7.67	2.00	0.00	1.00	0.00
13.58	7.66	2.00	0.00	1.00	0.00	13.60	7.75	2.00	0.00	1.00	0.00
13.62	7.84	2.00	0.00	1.00	0.00	13.64	8.12	2.00	0.00	1.00	0.00
13.66	8.11	2.00	0.00	1.00	0.00	13.68	8.11	2.00	0.00	1.00	0.00
13.70	8.20	2.00	0.00	1.00	0.00	13.72	8.10	2.00	0.00	1.00	0.00
13.74	8.28	2.00	0.00	1.00	0.00	13.76	8.54	2.00	0.00	1.00	0.00
13.78	8.53	2.00	0.00	1.00	0.00	13.80	8.62	2.00	0.00	1.00	0.00
13.82	8.52	2.00	0.00	1.00	0.00	13.84	8.51	2.00	0.00	1.00	0.00
13.86	8.51	2.00	0.00	1.00	0.00	13.88	8.69	2.00	0.00	1.00	0.00
13.90	8.97	2.00	0.00	1.00	0.00	13.92	9.05	2.00	0.00	1.00	0.00
13.94	9.23	2.00	0.00	1.00	0.00	13.96	9.22	2.00	0.00	1.00	0.00
13.98	9.21	2.00	0.00	1.00	0.00	14.00	9.78	2.00	0.00	1.00	0.00
14.02	9.77	2.00	0.00	1.00	0.00	14.04	9.95	2.00	0.00	1.00	0.00
14.06	10.04	2.00	0.00	1.00	0.00	14.08	10.03	2.00	0.00	1.00	0.00
14.10	10.12	2.00	0.00	1.00	0.00	14.12	10.30	2.00	0.00	1.00	0.00
14.14	10.29	2.00	0.00	1.00	0.00	14.16	10.47	2.00	0.00	1.00	0.00
14.18	10.46	2.00	0.00	1.00	0.00	14.20	10.45	2.00	0.00	1.00	0.00
14.22	10.54	2.00	0.00	1.00	0.00	14.24	10.43	2.00	0.00	1.00	0.00
14.26	10.51	2.00	0.00	1.00	0.00	14.28	10.41	2.00	0.00	1.00	0.00
14.30	10.03	2.00	0.00	1.00	0.00	14.32	9.66	2.00	0.00	1.00	0.00
14.34	9.45	2.00	0.00	1.00	0.00	14.36	9.36	2.00	0.00	1.00	0.00
14.38	9.16	2.00	0.00	1.00	0.00	14.40	9.34	2.00	0.00	1.00	0.00
14.42	9.43	2.00	0.00	1.00	0.00	14.44	9.50	2.00	0.00	1.00	0.00
14.46	9.59	2.00	0.00	1.00	0.00	14.48	9.77	2.00	0.00	1.00	0.00
14.50	9.84	2.00	0.00	1.00	0.00	14.52	10.01	2.00	0.00	1.00	0.00
14.54	9.91	2.00	0.00	1.00	0.00	14.56	10.09	2.00	0.00	1.00	0.00
14.58	10.07	2.00	0.00	1.00	0.00	14.60	10.07	2.00	0.00	1.00	0.00
14.62	10.34	2.00	0.00	1.00	0.00	14.64	10.33	2.00	0.00	1.00	0.00
14.66	9.95	2.00	0.00	1.00	0.00	14.68	9.85	2.00	0.00	1.00	0.00
14.70	9.75	2.00	0.00	1.00	0.00	14.72	9.74	2.00	0.00	1.00	0.00
14.74	9.73	2.00	0.00	1.00	0.00	14.76	9.91	2.00	0.00	1.00	0.00
14.78	9.90	2.00	0.00	1.00	0.00	14.80	9.98	2.00	0.00	1.00	0.00
14.82	9.88	2.00	0.00	1.00	0.00	14.84	9.60	2.00	0.00	1.00	0.00
14.86	9.68	2.00	0.00	1.00	0.00	14.88	9.68	2.00	0.00	1.00	0.00
14.90	9.40	2.00	0.00	1.00	0.00	14.92	9.39	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)
14.94	9.19	2.00	0.00	1.00	0.00	14.96	9.40	2.00	0.00	1.00	0.00
14.98	9.40	2.00	0.00	1.00	0.00	15.00	9.57	2.00	0.00	1.00	0.00
Total estimated settlement: 0.00											

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

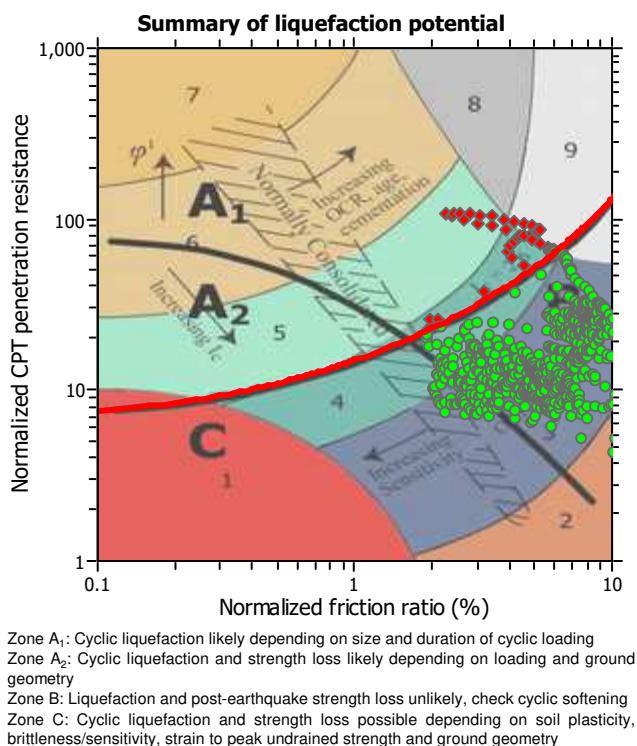
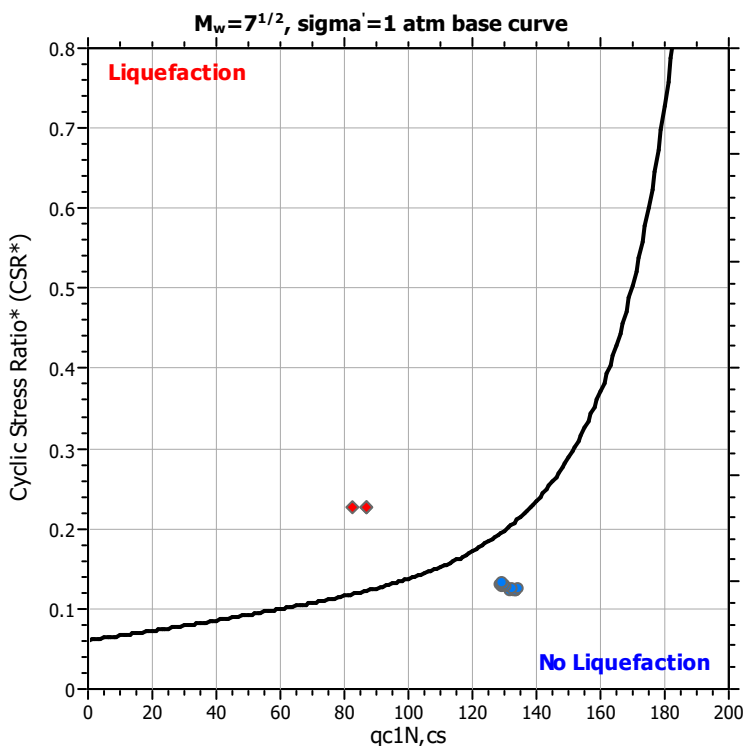
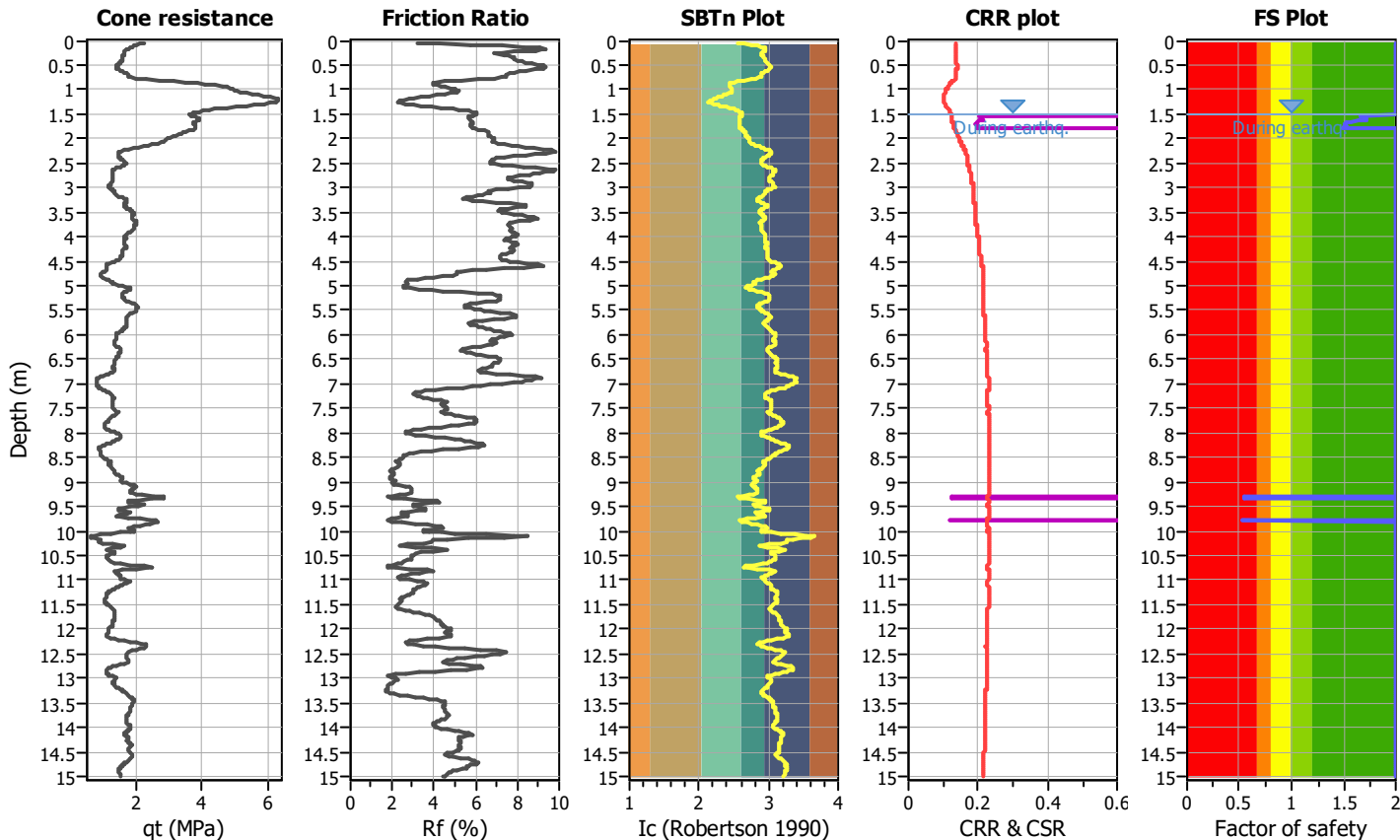
Project title :

Location :

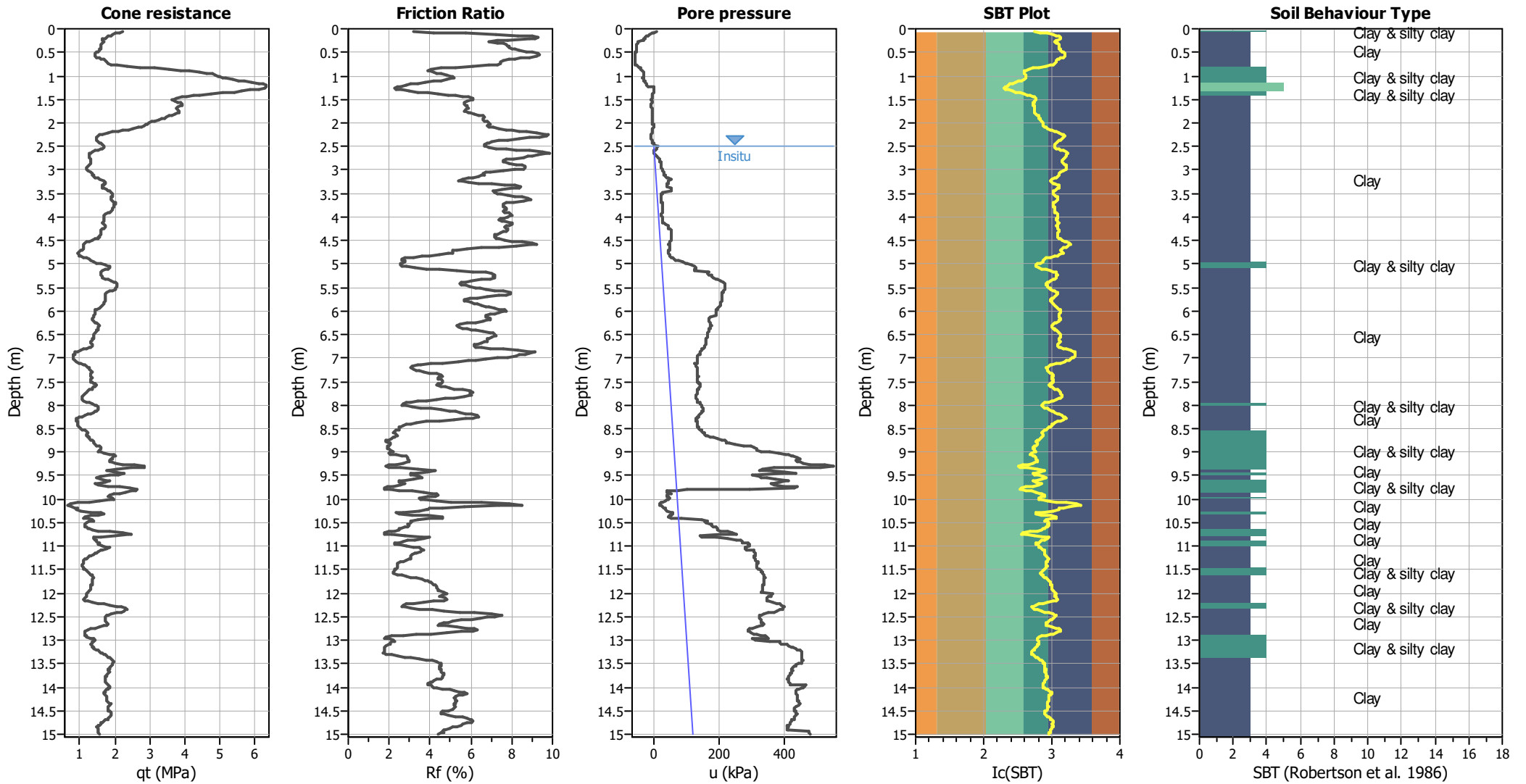
CPT file : cptu4

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



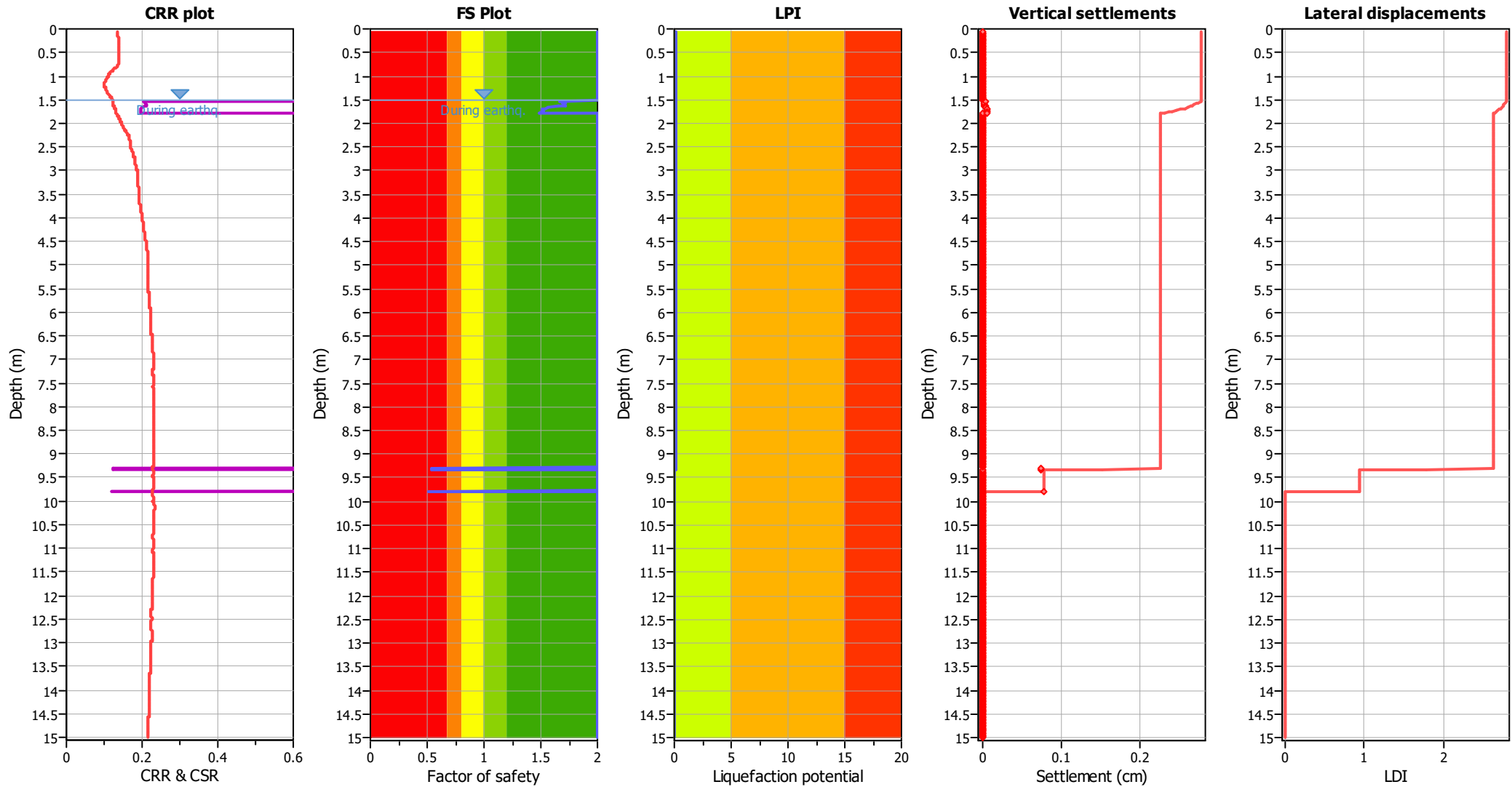
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K _g applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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	1.66	0.00	9.23	0.02	0.00	1.56	1.72	0.00	9.22	0.02	0.00
1.58	1.70	0.00	9.21	0.02	0.00	1.60	1.71	0.00	9.20	0.02	0.00
1.62	1.72	0.00	9.19	0.02	0.00	1.64	1.65	0.00	9.18	0.02	0.00
1.66	1.57	0.00	9.17	0.02	0.00	1.68	1.53	0.00	9.16	0.02	0.00
1.70	1.51	0.00	9.15	0.02	0.00	1.72	1.51	0.00	9.14	0.02	0.00
1.74	1.53	0.00	9.13	0.02	0.00	1.76	1.51	0.00	9.12	0.02	0.00
1.78	1.49	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.98	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
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	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.90	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
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.82	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.74	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	8.12	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	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	0.54	0.46	5.35	0.02	0.05	9.32	0.54	0.46	5.34	0.02	0.05
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.66	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	0.52	0.48	5.11	0.02	0.05	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
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

:: 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
11.58	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
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

:: 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
13.50	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
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	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: 0.15

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

:: 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)
1.50	59.60	2.00	0.00	1.00	0.00	1.52	60.09	2.00	0.00	1.00	0.00
1.54	131.60	1.66	0.16	1.00	0.00	1.56	133.66	1.72	0.13	1.00	0.00
1.58	133.29	1.70	0.14	1.00	0.00	1.60	133.98	1.71	0.13	1.00	0.00
1.62	134.58	1.72	0.12	1.00	0.00	1.64	132.74	1.65	0.17	1.00	0.00
1.66	130.52	1.57	0.22	1.00	0.00	1.68	129.62	1.53	0.24	1.00	0.00
1.70	128.98	1.51	0.26	1.00	0.01	1.72	129.46	1.51	0.26	1.00	0.01
1.74	130.14	1.53	0.25	1.00	0.00	1.76	129.77	1.51	0.26	1.00	0.01
1.78	129.54	1.49	0.27	1.00	0.01	1.80	60.13	2.00	0.00	1.00	0.00
1.82	59.14	2.00	0.00	1.00	0.00	1.84	57.46	2.00	0.00	1.00	0.00
1.86	55.08	2.00	0.00	1.00	0.00	1.88	54.67	2.00	0.00	1.00	0.00
1.90	53.51	2.00	0.00	1.00	0.00	1.92	52.37	2.00	0.00	1.00	0.00
1.94	50.78	2.00	0.00	1.00	0.00	1.96	48.91	2.00	0.00	1.00	0.00
1.98	47.47	2.00	0.00	1.00	0.00	2.00	46.20	2.00	0.00	1.00	0.00
2.02	45.39	2.00	0.00	1.00	0.00	2.04	45.02	2.00	0.00	1.00	0.00
2.06	44.22	2.00	0.00	1.00	0.00	2.08	42.97	2.00	0.00	1.00	0.00
2.10	41.28	2.00	0.00	1.00	0.00	2.12	38.83	2.00	0.00	1.00	0.00
2.14	36.68	2.00	0.00	1.00	0.00	2.16	34.42	2.00	0.00	1.00	0.00
2.18	32.30	2.00	0.00	1.00	0.00	2.20	30.30	2.00	0.00	1.00	0.00
2.22	27.75	2.00	0.00	1.00	0.00	2.24	25.50	2.00	0.00	1.00	0.00
2.26	23.86	2.00	0.00	1.00	0.00	2.28	23.29	2.00	0.00	1.00	0.00
2.30	22.76	2.00	0.00	1.00	0.00	2.32	22.36	2.00	0.00	1.00	0.00
2.34	22.23	2.00	0.00	1.00	0.00	2.36	22.29	2.00	0.00	1.00	0.00
2.38	22.36	2.00	0.00	1.00	0.00	2.40	22.88	2.00	0.00	1.00	0.00
2.42	23.39	2.00	0.00	1.00	0.00	2.44	23.74	2.00	0.00	1.00	0.00
2.46	24.54	2.00	0.00	1.00	0.00	2.48	25.18	2.00	0.00	1.00	0.00
2.50	24.94	2.00	0.00	1.00	0.00	2.52	24.74	2.00	0.00	1.00	0.00
2.54	24.10	2.00	0.00	1.00	0.00	2.56	23.16	2.00	0.00	1.00	0.00
2.58	22.23	2.00	0.00	1.00	0.00	2.60	21.31	2.00	0.00	1.00	0.00
2.62	19.79	2.00	0.00	1.00	0.00	2.64	18.86	2.00	0.00	1.00	0.00
2.66	18.67	2.00	0.00	1.00	0.00	2.68	18.77	2.00	0.00	1.00	0.00
2.70	18.89	2.00	0.00	1.00	0.00	2.72	18.71	2.00	0.00	1.00	0.00
2.74	18.67	2.00	0.00	1.00	0.00	2.76	18.64	2.00	0.00	1.00	0.00
2.78	19.18	2.00	0.00	1.00	0.00	2.80	19.16	2.00	0.00	1.00	0.00
2.82	18.67	2.00	0.00	1.00	0.00	2.84	19.08	2.00	0.00	1.00	0.00
2.86	18.91	2.00	0.00	1.00	0.00	2.88	18.43	2.00	0.00	1.00	0.00
2.90	17.82	2.00	0.00	1.00	0.00	2.92	17.63	2.00	0.00	1.00	0.00
2.94	17.47	2.00	0.00	1.00	0.00	2.96	17.29	2.00	0.00	1.00	0.00
2.98	16.82	2.00	0.00	1.00	0.00	3.00	16.79	2.00	0.00	1.00	0.00
3.02	17.64	2.00	0.00	1.00	0.00	3.04	18.18	2.00	0.00	1.00	0.00
3.06	18.87	2.00	0.00	1.00	0.00	3.08	18.70	2.00	0.00	1.00	0.00
3.10	18.95	2.00	0.00	1.00	0.00	3.12	19.07	2.00	0.00	1.00	0.00
3.14	19.75	2.00	0.00	1.00	0.00	3.16	19.87	2.00	0.00	1.00	0.00
3.18	20.12	2.00	0.00	1.00	0.00	3.20	22.22	2.00	0.00	1.00	0.00
3.22	22.75	2.00	0.00	1.00	0.00	3.24	23.56	2.00	0.00	1.00	0.00
3.26	23.65	2.00	0.00	1.00	0.00	3.28	23.47	2.00	0.00	1.00	0.00
3.30	23.14	2.00	0.00	1.00	0.00	3.32	22.68	2.00	0.00	1.00	0.00
3.34	22.50	2.00	0.00	1.00	0.00	3.36	22.46	2.00	0.00	1.00	0.00
3.38	22.42	2.00	0.00	1.00	0.00	3.40	22.65	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)
3.42	23.72	2.00	0.00	1.00	0.00	3.44	24.38	2.00	0.00	1.00	0.00
3.46	25.02	2.00	0.00	1.00	0.00	3.48	25.37	2.00	0.00	1.00	0.00
3.50	25.86	2.00	0.00	1.00	0.00	3.52	26.09	2.00	0.00	1.00	0.00
3.54	25.89	2.00	0.00	1.00	0.00	3.56	25.58	2.00	0.00	1.00	0.00
3.58	25.11	2.00	0.00	1.00	0.00	3.60	24.80	2.00	0.00	1.00	0.00
3.62	24.74	2.00	0.00	1.00	0.00	3.64	24.95	2.00	0.00	1.00	0.00
3.66	25.57	2.00	0.00	1.00	0.00	3.68	26.21	2.00	0.00	1.00	0.00
3.70	26.83	2.00	0.00	1.00	0.00	3.72	26.37	2.00	0.00	1.00	0.00
3.74	26.04	2.00	0.00	1.00	0.00	3.76	25.85	2.00	0.00	1.00	0.00
3.78	25.68	2.00	0.00	1.00	0.00	3.80	25.36	2.00	0.00	1.00	0.00
3.82	25.57	2.00	0.00	1.00	0.00	3.84	24.87	2.00	0.00	1.00	0.00
3.86	25.08	2.00	0.00	1.00	0.00	3.88	24.75	2.00	0.00	1.00	0.00
3.90	24.05	2.00	0.00	1.00	0.00	3.92	23.33	2.00	0.00	1.00	0.00
3.94	22.48	2.00	0.00	1.00	0.00	3.96	21.91	2.00	0.00	1.00	0.00
3.98	21.60	2.00	0.00	1.00	0.00	4.00	21.56	2.00	0.00	1.00	0.00
4.02	21.79	2.00	0.00	1.00	0.00	4.04	21.74	2.00	0.00	1.00	0.00
4.06	21.84	2.00	0.00	1.00	0.00	4.08	21.53	2.00	0.00	1.00	0.00
4.10	21.10	2.00	0.00	1.00	0.00	4.12	21.32	2.00	0.00	1.00	0.00
4.14	21.02	2.00	0.00	1.00	0.00	4.16	21.25	2.00	0.00	1.00	0.00
4.18	22.21	2.00	0.00	1.00	0.00	4.20	22.18	2.00	0.00	1.00	0.00
4.22	21.50	2.00	0.00	1.00	0.00	4.24	21.08	2.00	0.00	1.00	0.00
4.26	20.79	2.00	0.00	1.00	0.00	4.28	19.84	2.00	0.00	1.00	0.00
4.30	20.06	2.00	0.00	1.00	0.00	4.32	19.90	2.00	0.00	1.00	0.00
4.34	19.74	2.00	0.00	1.00	0.00	4.36	19.97	2.00	0.00	1.00	0.00
4.38	20.08	2.00	0.00	1.00	0.00	4.40	19.78	2.00	0.00	1.00	0.00
4.42	19.10	2.00	0.00	1.00	0.00	4.44	19.07	2.00	0.00	1.00	0.00
4.46	19.04	2.00	0.00	1.00	0.00	4.48	18.21	2.00	0.00	1.00	0.00
4.50	16.89	2.00	0.00	1.00	0.00	4.52	15.96	2.00	0.00	1.00	0.00
4.54	15.02	2.00	0.00	1.00	0.00	4.56	14.09	2.00	0.00	1.00	0.00
4.58	13.81	2.00	0.00	1.00	0.00	4.60	13.51	2.00	0.00	1.00	0.00
4.62	13.63	2.00	0.00	1.00	0.00	4.64	14.00	2.00	0.00	1.00	0.00
4.66	13.72	2.00	0.00	1.00	0.00	4.68	13.70	2.00	0.00	1.00	0.00
4.70	13.42	2.00	0.00	1.00	0.00	4.72	12.76	2.00	0.00	1.00	0.00
4.74	11.96	2.00	0.00	1.00	0.00	4.76	11.30	2.00	0.00	1.00	0.00
4.78	11.29	2.00	0.00	1.00	0.00	4.80	11.92	2.00	0.00	1.00	0.00
4.82	12.17	2.00	0.00	1.00	0.00	4.84	12.42	2.00	0.00	1.00	0.00
4.86	13.31	2.00	0.00	1.00	0.00	4.88	14.48	2.00	0.00	1.00	0.00
4.90	15.49	2.00	0.00	1.00	0.00	4.92	15.61	2.00	0.00	1.00	0.00
4.94	16.10	2.00	0.00	1.00	0.00	4.96	16.48	2.00	0.00	1.00	0.00
4.98	17.74	2.00	0.00	1.00	0.00	5.00	19.74	2.00	0.00	1.00	0.00
5.02	20.50	2.00	0.00	1.00	0.00	5.04	21.49	2.00	0.00	1.00	0.00
5.06	22.60	2.00	0.00	1.00	0.00	5.08	22.31	2.00	0.00	1.00	0.00
5.10	21.04	2.00	0.00	1.00	0.00	5.12	20.51	2.00	0.00	1.00	0.00
5.14	19.49	2.00	0.00	1.00	0.00	5.16	18.63	2.00	0.00	1.00	0.00
5.18	18.48	2.00	0.00	1.00	0.00	5.20	18.58	2.00	0.00	1.00	0.00
5.22	18.68	2.00	0.00	1.00	0.00	5.24	18.90	2.00	0.00	1.00	0.00
5.26	19.12	2.00	0.00	1.00	0.00	5.28	19.22	2.00	0.00	1.00	0.00
5.30	19.19	2.00	0.00	1.00	0.00	5.32	19.53	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
5.34	20.98	2.00	0.00	1.00	0.00	5.36	22.05	2.00	0.00	1.00	0.00
5.38	22.52	2.00	0.00	1.00	0.00	5.40	23.08	2.00	0.00	1.00	0.00
5.42	24.03	2.00	0.00	1.00	0.00	5.44	23.38	2.00	0.00	1.00	0.00
5.46	23.47	2.00	0.00	1.00	0.00	5.48	23.30	2.00	0.00	1.00	0.00
5.50	23.15	2.00	0.00	1.00	0.00	5.52	23.11	2.00	0.00	1.00	0.00
5.54	23.07	2.00	0.00	1.00	0.00	5.56	22.06	2.00	0.00	1.00	0.00
5.58	20.68	2.00	0.00	1.00	0.00	5.60	20.29	2.00	0.00	1.00	0.00
5.62	19.89	2.00	0.00	1.00	0.00	5.64	19.86	2.00	0.00	1.00	0.00
5.66	19.22	2.00	0.00	1.00	0.00	5.68	19.56	2.00	0.00	1.00	0.00
5.70	19.28	2.00	0.00	1.00	0.00	5.72	19.12	2.00	0.00	1.00	0.00
5.74	19.58	2.00	0.00	1.00	0.00	5.76	19.66	2.00	0.00	1.00	0.00
5.78	19.64	2.00	0.00	1.00	0.00	5.80	19.12	2.00	0.00	1.00	0.00
5.82	19.09	2.00	0.00	1.00	0.00	5.84	19.06	2.00	0.00	1.00	0.00
5.86	18.80	2.00	0.00	1.00	0.00	5.88	18.29	2.00	0.00	1.00	0.00
5.90	18.15	2.00	0.00	1.00	0.00	5.92	17.53	2.00	0.00	1.00	0.00
5.94	17.36	2.00	0.00	1.00	0.00	5.96	16.63	2.00	0.00	1.00	0.00
5.98	15.89	2.00	0.00	1.00	0.00	6.00	15.87	2.00	0.00	1.00	0.00
6.02	15.97	2.00	0.00	1.00	0.00	6.04	15.83	2.00	0.00	1.00	0.00
6.06	15.69	2.00	0.00	1.00	0.00	6.08	15.79	2.00	0.00	1.00	0.00
6.10	15.42	2.00	0.00	1.00	0.00	6.12	15.43	2.00	0.00	1.00	0.00
6.14	15.19	2.00	0.00	1.00	0.00	6.16	14.82	2.00	0.00	1.00	0.00
6.18	14.80	2.00	0.00	1.00	0.00	6.20	14.78	2.00	0.00	1.00	0.00
6.22	15.12	2.00	0.00	1.00	0.00	6.24	15.46	2.00	0.00	1.00	0.00
6.26	16.39	2.00	0.00	1.00	0.00	6.28	16.72	2.00	0.00	1.00	0.00
6.30	17.05	2.00	0.00	1.00	0.00	6.32	17.03	2.00	0.00	1.00	0.00
6.34	16.90	2.00	0.00	1.00	0.00	6.36	16.41	2.00	0.00	1.00	0.00
6.38	16.28	2.00	0.00	1.00	0.00	6.40	16.26	2.00	0.00	1.00	0.00
6.42	16.35	2.00	0.00	1.00	0.00	6.44	15.87	2.00	0.00	1.00	0.00
6.46	15.50	2.00	0.00	1.00	0.00	6.48	15.25	2.00	0.00	1.00	0.00
6.50	15.23	2.00	0.00	1.00	0.00	6.52	14.98	2.00	0.00	1.00	0.00
6.54	14.84	2.00	0.00	1.00	0.00	6.56	14.95	2.00	0.00	1.00	0.00
6.58	14.81	2.00	0.00	1.00	0.00	6.60	14.90	2.00	0.00	1.00	0.00
6.62	14.42	2.00	0.00	1.00	0.00	6.64	14.29	2.00	0.00	1.00	0.00
6.66	14.05	2.00	0.00	1.00	0.00	6.68	14.26	2.00	0.00	1.00	0.00
6.70	14.35	2.00	0.00	1.00	0.00	6.72	14.56	2.00	0.00	1.00	0.00
6.74	14.32	2.00	0.00	1.00	0.00	6.76	13.96	2.00	0.00	1.00	0.00
6.78	13.60	2.00	0.00	1.00	0.00	6.80	12.66	2.00	0.00	1.00	0.00
6.82	11.62	2.00	0.00	1.00	0.00	6.84	10.68	2.00	0.00	1.00	0.00
6.86	9.52	2.00	0.00	1.00	0.00	6.88	8.94	2.00	0.00	1.00	0.00
6.90	8.81	2.00	0.00	1.00	0.00	6.92	9.04	2.00	0.00	1.00	0.00
6.94	8.58	2.00	0.00	1.00	0.00	6.96	8.57	2.00	0.00	1.00	0.00
6.98	8.33	2.00	0.00	1.00	0.00	7.00	8.32	2.00	0.00	1.00	0.00
7.02	8.77	2.00	0.00	1.00	0.00	7.04	8.88	2.00	0.00	1.00	0.00
7.06	8.99	2.00	0.00	1.00	0.00	7.08	9.32	2.00	0.00	1.00	0.00
7.10	9.65	2.00	0.00	1.00	0.00	7.12	11.22	2.00	0.00	1.00	0.00
7.14	11.44	2.00	0.00	1.00	0.00	7.16	11.77	2.00	0.00	1.00	0.00
7.18	12.21	2.00	0.00	1.00	0.00	7.20	12.76	2.00	0.00	1.00	0.00
7.22	13.20	2.00	0.00	1.00	0.00	7.24	13.41	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)
7.26	13.51	2.00	0.00	1.00	0.00	7.28	13.95	2.00	0.00	1.00	0.00
7.30	13.94	2.00	0.00	1.00	0.00	7.32	13.82	2.00	0.00	1.00	0.00
7.34	13.58	2.00	0.00	1.00	0.00	7.36	13.34	2.00	0.00	1.00	0.00
7.38	13.44	2.00	0.00	1.00	0.00	7.40	13.76	2.00	0.00	1.00	0.00
7.42	13.75	2.00	0.00	1.00	0.00	7.44	13.84	2.00	0.00	1.00	0.00
7.46	13.50	2.00	0.00	1.00	0.00	7.48	13.37	2.00	0.00	1.00	0.00
7.50	13.81	2.00	0.00	1.00	0.00	7.52	13.90	2.00	0.00	1.00	0.00
7.54	14.00	2.00	0.00	1.00	0.00	7.56	14.65	2.00	0.00	1.00	0.00
7.58	15.52	2.00	0.00	1.00	0.00	7.60	14.84	2.00	0.00	1.00	0.00
7.62	14.16	2.00	0.00	1.00	0.00	7.64	14.15	2.00	0.00	1.00	0.00
7.66	13.58	2.00	0.00	1.00	0.00	7.68	13.13	2.00	0.00	1.00	0.00
7.70	12.33	2.00	0.00	1.00	0.00	7.72	12.10	2.00	0.00	1.00	0.00
7.74	12.09	2.00	0.00	1.00	0.00	7.76	11.86	2.00	0.00	1.00	0.00
7.78	11.41	2.00	0.00	1.00	0.00	7.80	10.85	2.00	0.00	1.00	0.00
7.82	10.82	2.00	0.00	1.00	0.00	7.84	10.81	2.00	0.00	1.00	0.00
7.86	10.80	2.00	0.00	1.00	0.00	7.88	10.68	2.00	0.00	1.00	0.00
7.90	11.00	2.00	0.00	1.00	0.00	7.92	11.21	2.00	0.00	1.00	0.00
7.94	11.63	2.00	0.00	1.00	0.00	7.96	12.72	2.00	0.00	1.00	0.00
7.98	13.67	2.00	0.00	1.00	0.00	8.00	14.53	2.00	0.00	1.00	0.00
8.02	14.95	2.00	0.00	1.00	0.00	8.04	15.37	2.00	0.00	1.00	0.00
8.06	15.37	2.00	0.00	1.00	0.00	8.08	15.54	2.00	0.00	1.00	0.00
8.10	15.20	2.00	0.00	1.00	0.00	8.12	14.75	2.00	0.00	1.00	0.00
8.14	14.20	2.00	0.00	1.00	0.00	8.16	13.99	2.00	0.00	1.00	0.00
8.18	13.11	2.00	0.00	1.00	0.00	8.20	12.11	2.00	0.00	1.00	0.00
8.22	11.24	2.00	0.00	1.00	0.00	8.24	10.37	2.00	0.00	1.00	0.00
8.26	9.82	2.00	0.00	1.00	0.00	8.28	9.27	2.00	0.00	1.00	0.00
8.30	8.83	2.00	0.00	1.00	0.00	8.32	8.82	2.00	0.00	1.00	0.00
8.34	9.02	2.00	0.00	1.00	0.00	8.36	9.01	2.00	0.00	1.00	0.00
8.38	9.11	2.00	0.00	1.00	0.00	8.40	9.43	2.00	0.00	1.00	0.00
8.42	9.31	2.00	0.00	1.00	0.00	8.44	9.09	2.00	0.00	1.00	0.00
8.46	9.39	2.00	0.00	1.00	0.00	8.48	9.71	2.00	0.00	1.00	0.00
8.50	10.23	2.00	0.00	1.00	0.00	8.52	10.44	2.00	0.00	1.00	0.00
8.54	11.07	2.00	0.00	1.00	0.00	8.56	11.70	2.00	0.00	1.00	0.00
8.58	12.22	2.00	0.00	1.00	0.00	8.60	12.00	2.00	0.00	1.00	0.00
8.62	11.67	2.00	0.00	1.00	0.00	8.64	11.46	2.00	0.00	1.00	0.00
8.66	11.88	2.00	0.00	1.00	0.00	8.68	12.08	2.00	0.00	1.00	0.00
8.70	12.17	2.00	0.00	1.00	0.00	8.72	12.38	2.00	0.00	1.00	0.00
8.74	12.60	2.00	0.00	1.00	0.00	8.76	13.22	2.00	0.00	1.00	0.00
8.78	13.31	2.00	0.00	1.00	0.00	8.80	13.21	2.00	0.00	1.00	0.00
8.82	13.20	2.00	0.00	1.00	0.00	8.84	13.61	2.00	0.00	1.00	0.00
8.86	14.13	2.00	0.00	1.00	0.00	8.88	14.75	2.00	0.00	1.00	0.00
8.90	15.05	2.00	0.00	1.00	0.00	8.92	15.46	2.00	0.00	1.00	0.00
8.94	15.35	2.00	0.00	1.00	0.00	8.96	14.29	2.00	0.00	1.00	0.00
8.98	14.28	2.00	0.00	1.00	0.00	9.00	14.79	2.00	0.00	1.00	0.00
9.02	16.35	2.00	0.00	1.00	0.00	9.04	16.76	2.00	0.00	1.00	0.00
9.06	19.60	2.00	0.00	1.00	0.00	9.08	18.96	2.00	0.00	1.00	0.00
9.10	18.22	2.00	0.00	1.00	0.00	9.12	17.79	2.00	0.00	1.00	0.00
9.14	18.19	2.00	0.00	1.00	0.00	9.16	17.66	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)
9.18	17.12	2.00	0.00	1.00	0.00	9.20	17.11	2.00	0.00	1.00	0.00
9.22	17.51	2.00	0.00	1.00	0.00	9.24	18.53	2.00	0.00	1.00	0.00
9.26	19.95	2.00	0.00	1.00	0.00	9.28	23.45	2.00	0.00	1.00	0.00
9.30	86.61	0.54	3.71	1.00	0.07	9.32	87.10	0.54	3.69	1.00	0.07
9.34	23.08	2.00	0.00	1.00	0.00	9.36	18.41	2.00	0.00	1.00	0.00
9.38	16.23	2.00	0.00	1.00	0.00	9.40	15.09	2.00	0.00	1.00	0.00
9.42	18.47	2.00	0.00	1.00	0.00	9.44	21.54	2.00	0.00	1.00	0.00
9.46	21.51	2.00	0.00	1.00	0.00	9.48	20.05	2.00	0.00	1.00	0.00
9.50	16.85	2.00	0.00	1.00	0.00	9.52	14.57	2.00	0.00	1.00	0.00
9.54	13.33	2.00	0.00	1.00	0.00	9.56	12.71	2.00	0.00	1.00	0.00
9.58	14.32	2.00	0.00	1.00	0.00	9.60	16.76	2.00	0.00	1.00	0.00
9.62	17.86	2.00	0.00	1.00	0.00	9.64	16.11	2.00	0.00	1.00	0.00
9.66	13.45	2.00	0.00	1.00	0.00	9.68	12.11	2.00	0.00	1.00	0.00
9.70	13.02	2.00	0.00	1.00	0.00	9.72	15.85	2.00	0.00	1.00	0.00
9.74	20.10	2.00	0.00	1.00	0.00	9.76	23.13	2.00	0.00	1.00	0.00
9.78	82.30	0.52	3.90	1.00	0.08	9.80	25.53	2.00	0.00	1.00	0.00
9.82	24.91	2.00	0.00	1.00	0.00	9.84	23.06	2.00	0.00	1.00	0.00
9.86	21.52	2.00	0.00	1.00	0.00	9.88	20.49	2.00	0.00	1.00	0.00
9.90	18.66	2.00	0.00	1.00	0.00	9.92	17.12	2.00	0.00	1.00	0.00
9.94	16.50	2.00	0.00	1.00	0.00	9.96	16.99	2.00	0.00	1.00	0.00
9.98	18.29	2.00	0.00	1.00	0.00	10.00	19.18	2.00	0.00	1.00	0.00
10.02	17.55	2.00	0.00	1.00	0.00	10.04	15.34	2.00	0.00	1.00	0.00
10.06	11.22	2.00	0.00	1.00	0.00	10.08	8.51	2.00	0.00	1.00	0.00
10.10	6.61	2.00	0.00	1.00	0.00	10.12	5.81	2.00	0.00	1.00	0.00
10.14	5.71	2.00	0.00	1.00	0.00	10.16	6.90	2.00	0.00	1.00	0.00
10.18	8.38	2.00	0.00	1.00	0.00	10.20	8.68	2.00	0.00	1.00	0.00
10.22	8.56	2.00	0.00	1.00	0.00	10.24	7.96	2.00	0.00	1.00	0.00
10.26	8.76	2.00	0.00	1.00	0.00	10.28	12.02	2.00	0.00	1.00	0.00
10.30	15.88	2.00	0.00	1.00	0.00	10.32	16.67	2.00	0.00	1.00	0.00
10.34	14.07	2.00	0.00	1.00	0.00	10.36	11.68	2.00	0.00	1.00	0.00
10.38	9.99	2.00	0.00	1.00	0.00	10.40	9.39	2.00	0.00	1.00	0.00
10.42	11.26	2.00	0.00	1.00	0.00	10.44	13.42	2.00	0.00	1.00	0.00
10.46	12.62	2.00	0.00	1.00	0.00	10.48	11.23	2.00	0.00	1.00	0.00
10.50	10.14	2.00	0.00	1.00	0.00	10.52	10.23	2.00	0.00	1.00	0.00
10.54	10.42	2.00	0.00	1.00	0.00	10.56	10.12	2.00	0.00	1.00	0.00
10.58	10.11	2.00	0.00	1.00	0.00	10.60	10.69	2.00	0.00	1.00	0.00
10.62	10.98	2.00	0.00	1.00	0.00	10.64	11.06	2.00	0.00	1.00	0.00
10.66	11.45	2.00	0.00	1.00	0.00	10.68	13.20	2.00	0.00	1.00	0.00
10.70	16.33	2.00	0.00	1.00	0.00	10.72	20.15	2.00	0.00	1.00	0.00
10.74	23.87	2.00	0.00	1.00	0.00	10.76	22.78	2.00	0.00	1.00	0.00
10.78	17.46	2.00	0.00	1.00	0.00	10.80	13.63	2.00	0.00	1.00	0.00
10.82	11.77	2.00	0.00	1.00	0.00	10.84	11.95	2.00	0.00	1.00	0.00
10.86	12.73	2.00	0.00	1.00	0.00	10.88	13.01	2.00	0.00	1.00	0.00
10.90	13.00	2.00	0.00	1.00	0.00	10.92	13.09	2.00	0.00	1.00	0.00
10.94	13.86	2.00	0.00	1.00	0.00	10.96	13.85	2.00	0.00	1.00	0.00
10.98	13.36	2.00	0.00	1.00	0.00	11.00	12.96	2.00	0.00	1.00	0.00
11.02	17.36	2.00	0.00	1.00	0.00	11.04	16.39	2.00	0.00	1.00	0.00
11.06	15.21	2.00	0.00	1.00	0.00	11.08	14.32	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.10	13.73	2.00	0.00	1.00	0.00	11.12	13.24	2.00	0.00	1.00	0.00
11.14	12.65	2.00	0.00	1.00	0.00	11.16	12.34	2.00	0.00	1.00	0.00
11.18	11.95	2.00	0.00	1.00	0.00	11.20	11.36	2.00	0.00	1.00	0.00
11.22	10.78	2.00	0.00	1.00	0.00	11.24	10.20	2.00	0.00	1.00	0.00
11.26	9.90	2.00	0.00	1.00	0.00	11.28	9.70	2.00	0.00	1.00	0.00
11.30	9.41	2.00	0.00	1.00	0.00	11.32	9.40	2.00	0.00	1.00	0.00
11.34	9.40	2.00	0.00	1.00	0.00	11.36	9.39	2.00	0.00	1.00	0.00
11.38	9.09	2.00	0.00	1.00	0.00	11.40	9.09	2.00	0.00	1.00	0.00
11.42	8.89	2.00	0.00	1.00	0.00	11.44	8.88	2.00	0.00	1.00	0.00
11.46	9.17	2.00	0.00	1.00	0.00	11.48	9.25	2.00	0.00	1.00	0.00
11.50	9.63	2.00	0.00	1.00	0.00	11.52	10.10	2.00	0.00	1.00	0.00
11.54	10.19	2.00	0.00	1.00	0.00	11.56	10.37	2.00	0.00	1.00	0.00
11.58	10.84	2.00	0.00	1.00	0.00	11.60	11.11	2.00	0.00	1.00	0.00
11.62	11.20	2.00	0.00	1.00	0.00	11.64	11.48	2.00	0.00	1.00	0.00
11.66	11.75	2.00	0.00	1.00	0.00	11.68	11.46	2.00	0.00	1.00	0.00
11.70	11.45	2.00	0.00	1.00	0.00	11.72	11.35	2.00	0.00	1.00	0.00
11.74	11.34	2.00	0.00	1.00	0.00	11.76	11.14	2.00	0.00	1.00	0.00
11.78	11.14	2.00	0.00	1.00	0.00	11.80	11.32	2.00	0.00	1.00	0.00
11.82	11.21	2.00	0.00	1.00	0.00	11.84	11.02	2.00	0.00	1.00	0.00
11.86	11.01	2.00	0.00	1.00	0.00	11.88	11.00	2.00	0.00	1.00	0.00
11.90	10.80	2.00	0.00	1.00	0.00	11.92	11.08	2.00	0.00	1.00	0.00
11.94	10.69	2.00	0.00	1.00	0.00	11.96	10.31	2.00	0.00	1.00	0.00
11.98	10.11	2.00	0.00	1.00	0.00	12.00	9.67	2.00	0.00	1.00	0.00
12.02	9.57	2.00	0.00	1.00	0.00	12.04	9.75	2.00	0.00	1.00	0.00
12.06	9.93	2.00	0.00	1.00	0.00	12.08	9.55	2.00	0.00	1.00	0.00
12.10	9.17	2.00	0.00	1.00	0.00	12.12	9.07	2.00	0.00	1.00	0.00
12.14	8.97	2.00	0.00	1.00	0.00	12.16	9.05	2.00	0.00	1.00	0.00
12.18	9.88	2.00	0.00	1.00	0.00	12.20	11.07	2.00	0.00	1.00	0.00
12.22	12.27	2.00	0.00	1.00	0.00	12.24	13.75	2.00	0.00	1.00	0.00
12.26	15.33	2.00	0.00	1.00	0.00	12.28	17.09	2.00	0.00	1.00	0.00
12.30	18.75	2.00	0.00	1.00	0.00	12.32	19.30	2.00	0.00	1.00	0.00
12.34	19.85	2.00	0.00	1.00	0.00	12.36	19.75	2.00	0.00	1.00	0.00
12.38	18.80	2.00	0.00	1.00	0.00	12.40	18.32	2.00	0.00	1.00	0.00
12.42	17.08	2.00	0.00	1.00	0.00	12.44	15.76	2.00	0.00	1.00	0.00
12.46	14.63	2.00	0.00	1.00	0.00	12.48	14.52	2.00	0.00	1.00	0.00
12.50	14.51	2.00	0.00	1.00	0.00	12.52	14.30	2.00	0.00	1.00	0.00
12.54	14.47	2.00	0.00	1.00	0.00	12.56	14.36	2.00	0.00	1.00	0.00
12.58	14.07	2.00	0.00	1.00	0.00	12.60	14.42	2.00	0.00	1.00	0.00
12.62	14.58	2.00	0.00	1.00	0.00	12.64	14.46	2.00	0.00	1.00	0.00
12.66	14.82	2.00	0.00	1.00	0.00	12.68	14.89	2.00	0.00	1.00	0.00
12.70	13.96	2.00	0.00	1.00	0.00	12.72	12.66	2.00	0.00	1.00	0.00
12.74	11.37	2.00	0.00	1.00	0.00	12.76	10.53	2.00	0.00	1.00	0.00
12.78	9.60	2.00	0.00	1.00	0.00	12.80	9.32	2.00	0.00	1.00	0.00
12.82	9.22	2.00	0.00	1.00	0.00	12.84	9.21	2.00	0.00	1.00	0.00
12.86	9.20	2.00	0.00	1.00	0.00	12.88	9.01	2.00	0.00	1.00	0.00
12.90	9.01	2.00	0.00	1.00	0.00	12.92	9.45	2.00	0.00	1.00	0.00
12.94	9.63	2.00	0.00	1.00	0.00	12.96	9.62	2.00	0.00	1.00	0.00
12.98	12.64	2.00	0.00	1.00	0.00	13.00	11.54	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.02	10.91	2.00	0.00	1.00	0.00	13.04	10.81	2.00	0.00	1.00	0.00
13.06	10.63	2.00	0.00	1.00	0.00	13.08	10.35	2.00	0.00	1.00	0.00
13.10	10.52	2.00	0.00	1.00	0.00	13.12	10.61	2.00	0.00	1.00	0.00
13.14	10.69	2.00	0.00	1.00	0.00	13.16	10.77	2.00	0.00	1.00	0.00
13.18	11.13	2.00	0.00	1.00	0.00	13.20	11.31	2.00	0.00	1.00	0.00
13.22	12.02	2.00	0.00	1.00	0.00	13.24	12.55	2.00	0.00	1.00	0.00
13.26	12.72	2.00	0.00	1.00	0.00	13.28	13.08	2.00	0.00	1.00	0.00
13.30	13.52	2.00	0.00	1.00	0.00	13.32	13.80	2.00	0.00	1.00	0.00
13.34	13.79	2.00	0.00	1.00	0.00	13.36	14.33	2.00	0.00	1.00	0.00
13.38	14.59	2.00	0.00	1.00	0.00	13.40	14.94	2.00	0.00	1.00	0.00
13.42	15.20	2.00	0.00	1.00	0.00	13.44	15.64	2.00	0.00	1.00	0.00
13.46	15.54	2.00	0.00	1.00	0.00	13.48	15.53	2.00	0.00	1.00	0.00
13.50	15.24	2.00	0.00	1.00	0.00	13.52	15.13	2.00	0.00	1.00	0.00
13.54	15.21	2.00	0.00	1.00	0.00	13.56	15.02	2.00	0.00	1.00	0.00
13.58	14.83	2.00	0.00	1.00	0.00	13.60	14.54	2.00	0.00	1.00	0.00
13.62	14.35	2.00	0.00	1.00	0.00	13.64	14.15	2.00	0.00	1.00	0.00
13.66	14.50	2.00	0.00	1.00	0.00	13.68	14.49	2.00	0.00	1.00	0.00
13.70	14.38	2.00	0.00	1.00	0.00	13.72	13.93	2.00	0.00	1.00	0.00
13.74	13.99	2.00	0.00	1.00	0.00	13.76	13.71	2.00	0.00	1.00	0.00
13.78	13.52	2.00	0.00	1.00	0.00	13.80	13.51	2.00	0.00	1.00	0.00
13.82	13.31	2.00	0.00	1.00	0.00	13.84	13.30	2.00	0.00	1.00	0.00
13.86	13.46	2.00	0.00	1.00	0.00	13.88	13.28	2.00	0.00	1.00	0.00
13.90	13.44	2.00	0.00	1.00	0.00	13.92	13.69	2.00	0.00	1.00	0.00
13.94	13.77	2.00	0.00	1.00	0.00	13.96	14.33	2.00	0.00	1.00	0.00
13.98	14.32	2.00	0.00	1.00	0.00	14.00	14.39	2.00	0.00	1.00	0.00
14.02	14.30	2.00	0.00	1.00	0.00	14.04	13.85	2.00	0.00	1.00	0.00
14.06	13.66	2.00	0.00	1.00	0.00	14.08	13.30	2.00	0.00	1.00	0.00
14.10	13.29	2.00	0.00	1.00	0.00	14.12	12.93	2.00	0.00	1.00	0.00
14.14	12.92	2.00	0.00	1.00	0.00	14.16	13.08	2.00	0.00	1.00	0.00
14.18	13.59	2.00	0.00	1.00	0.00	14.20	13.50	2.00	0.00	1.00	0.00
14.22	13.57	2.00	0.00	1.00	0.00	14.24	13.56	2.00	0.00	1.00	0.00
14.26	13.46	2.00	0.00	1.00	0.00	14.28	13.27	2.00	0.00	1.00	0.00
14.30	13.70	2.00	0.00	1.00	0.00	14.32	13.95	2.00	0.00	1.00	0.00
14.34	14.37	2.00	0.00	1.00	0.00	14.36	14.43	2.00	0.00	1.00	0.00
14.38	14.42	2.00	0.00	1.00	0.00	14.40	13.97	2.00	0.00	1.00	0.00
14.42	13.69	2.00	0.00	1.00	0.00	14.44	13.86	2.00	0.00	1.00	0.00
14.46	13.84	2.00	0.00	1.00	0.00	14.48	13.66	2.00	0.00	1.00	0.00
14.50	13.99	2.00	0.00	1.00	0.00	14.52	14.24	2.00	0.00	1.00	0.00
14.54	14.48	2.00	0.00	1.00	0.00	14.56	14.47	2.00	0.00	1.00	0.00
14.58	14.54	2.00	0.00	1.00	0.00	14.60	14.44	2.00	0.00	1.00	0.00
14.62	14.17	2.00	0.00	1.00	0.00	14.64	13.89	2.00	0.00	1.00	0.00
14.66	13.79	2.00	0.00	1.00	0.00	14.68	13.70	2.00	0.00	1.00	0.00
14.70	13.26	2.00	0.00	1.00	0.00	14.72	12.55	2.00	0.00	1.00	0.00
14.74	12.28	2.00	0.00	1.00	0.00	14.76	12.28	2.00	0.00	1.00	0.00
14.78	12.01	2.00	0.00	1.00	0.00	14.80	11.74	2.00	0.00	1.00	0.00
14.82	11.39	2.00	0.00	1.00	0.00	14.84	11.04	2.00	0.00	1.00	0.00
14.86	11.29	2.00	0.00	1.00	0.00	14.88	11.18	2.00	0.00	1.00	0.00
14.90	11.17	2.00	0.00	1.00	0.00	14.92	11.25	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)
14.94	11.24	2.00	0.00	1.00	0.00	14.96	11.23	2.00	0.00	1.00	0.00
14.98	11.23	2.00	0.00	1.00	0.00	15.00	11.48	2.00	0.00	1.00	0.00
Total estimated settlement: 0.28											

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

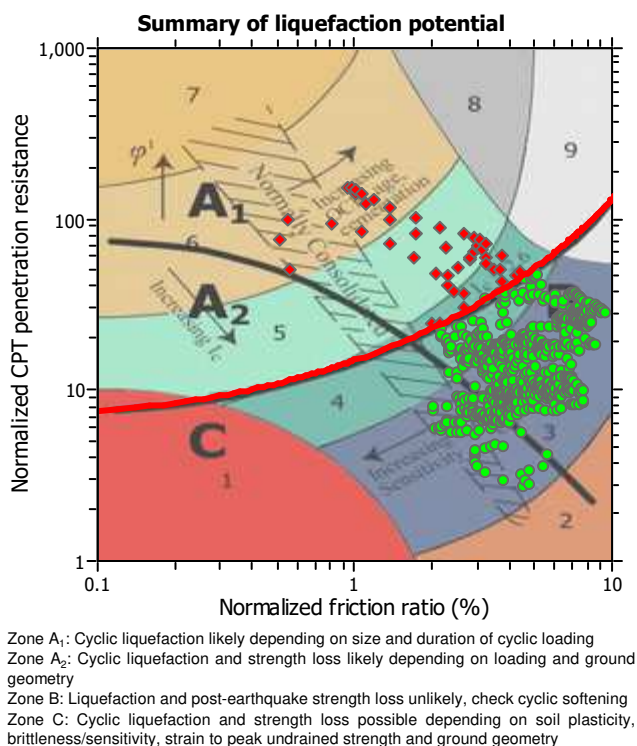
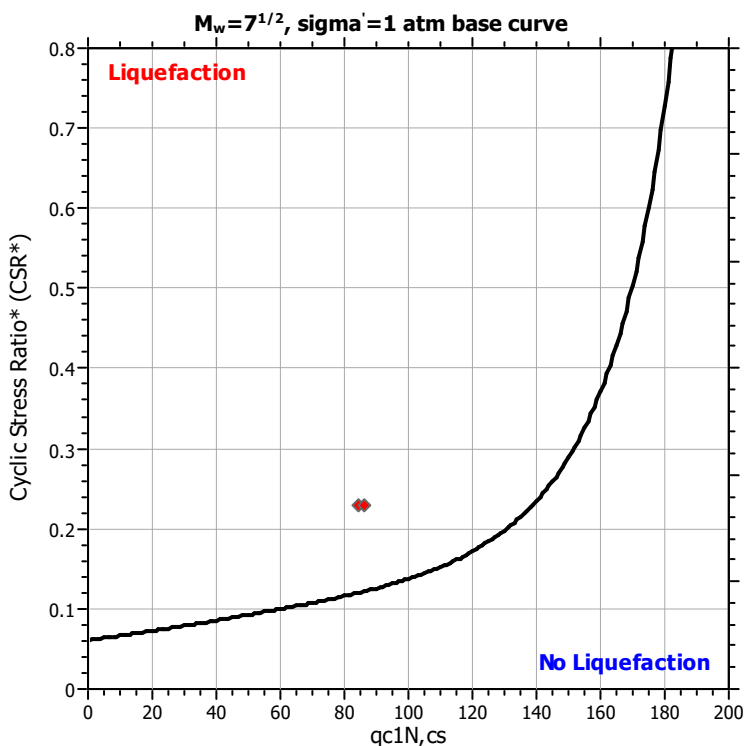
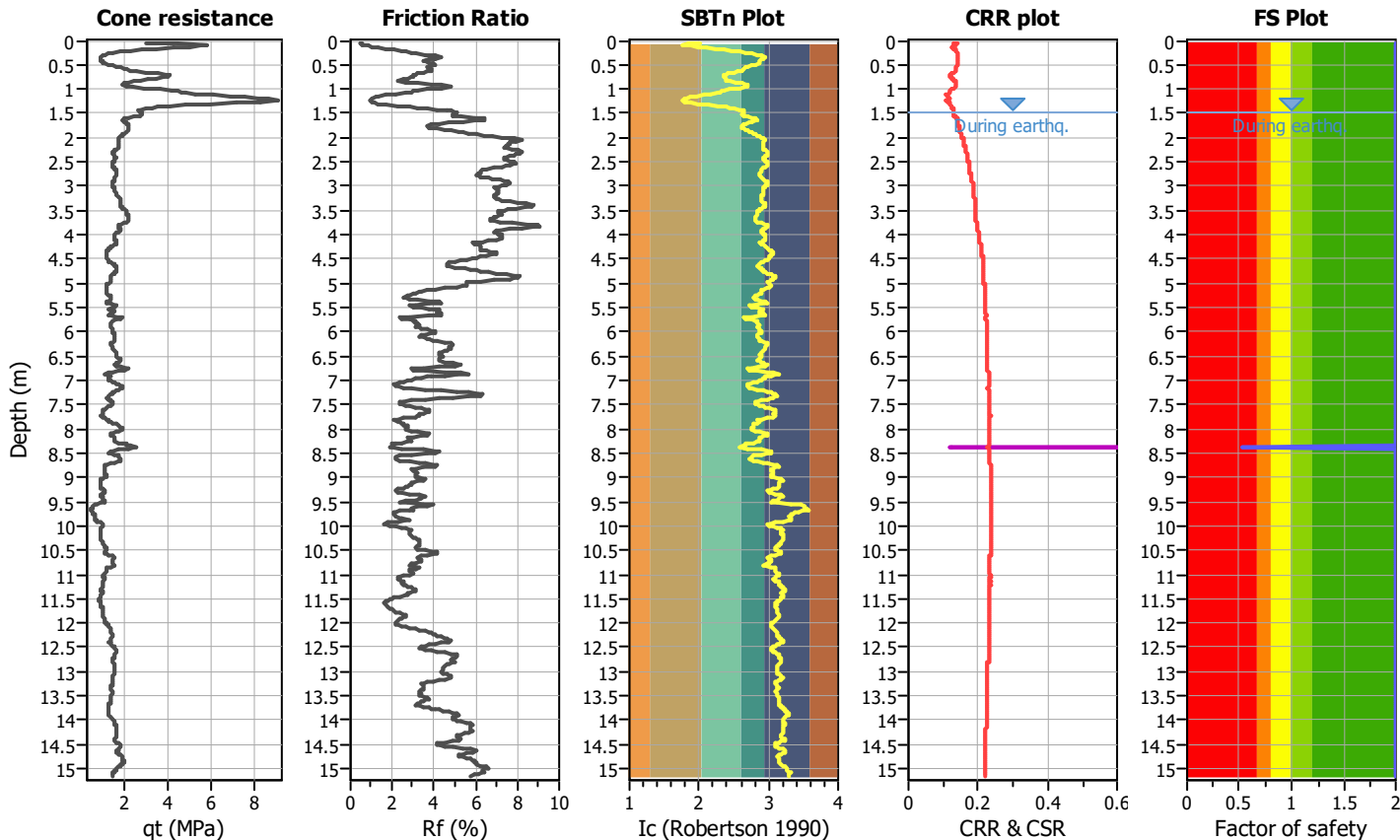
Project title :

Location :

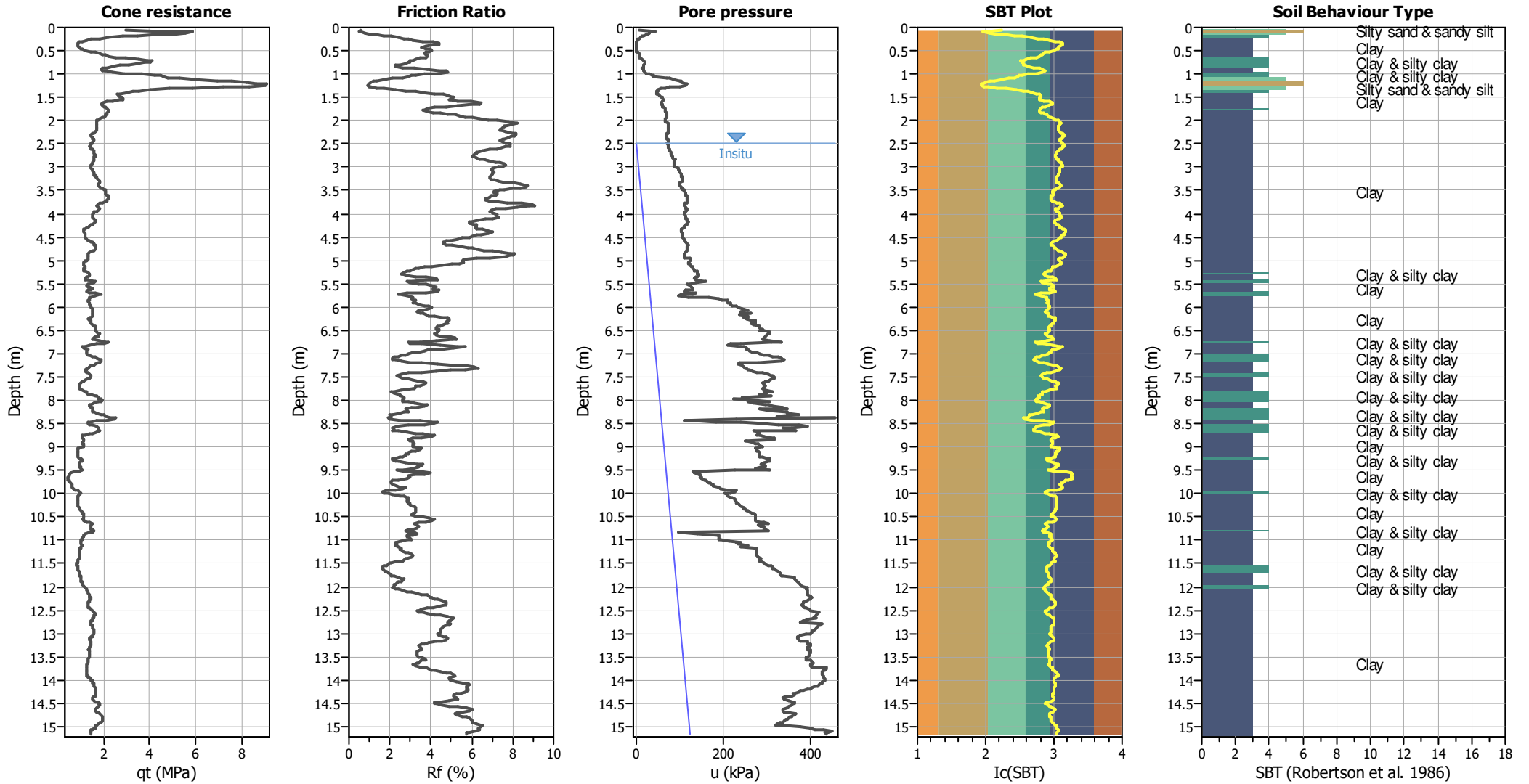
CPT file : cptu5

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



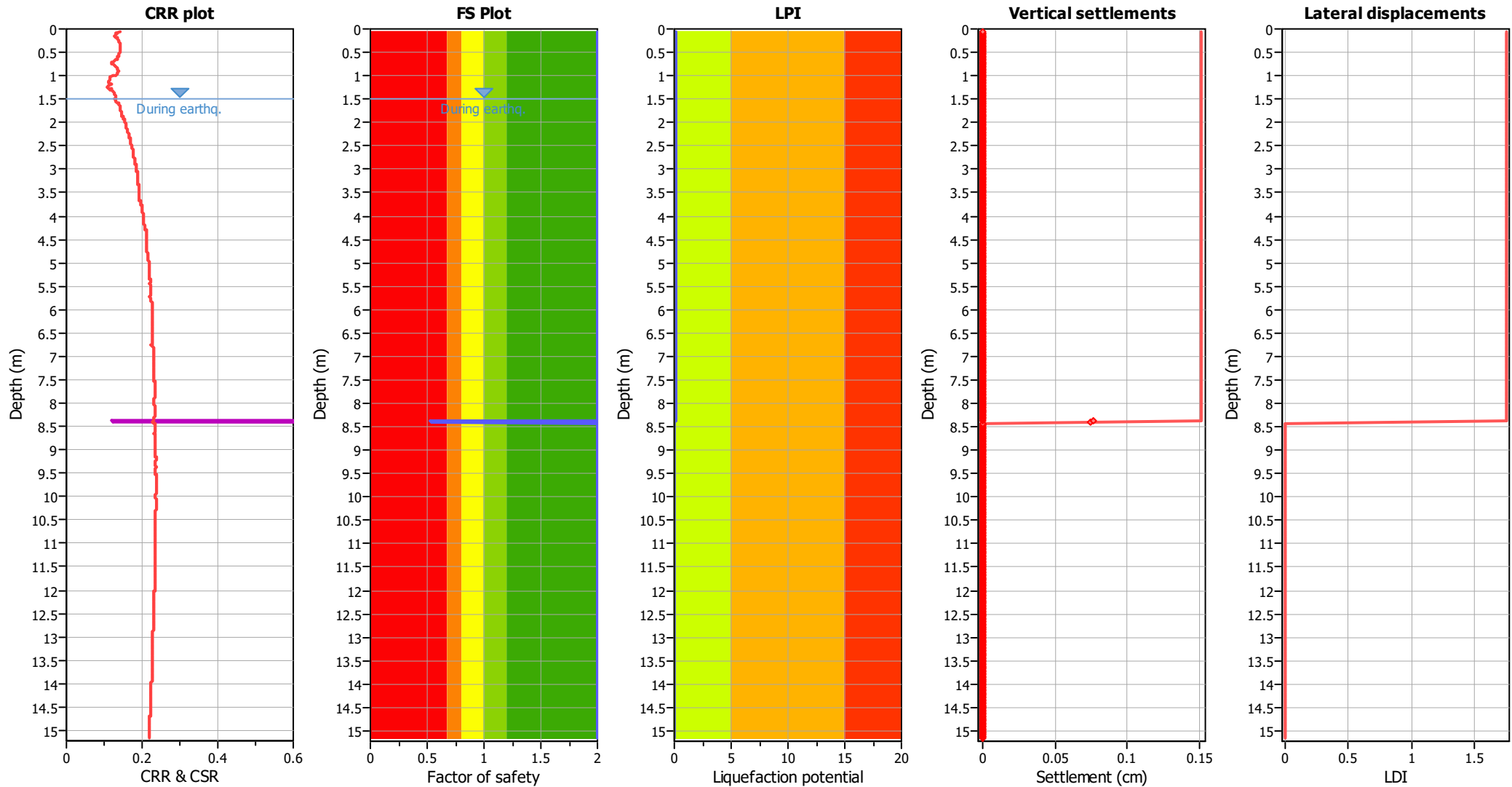
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.98	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
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	2.00	0.00	8.47	0.02	0.00	3.08	2.00	0.00	8.46	0.02	0.00
3.10	2.00	0.00	8.45	0.02	0.00	3.12	2.00	0.00	8.44	0.02	0.00
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.90	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
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.82	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.74	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	8.12	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	0.52	0.48	5.81	0.02	0.06	8.40	0.53	0.47	5.80	0.02	0.05
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.66	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
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

:: 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
11.58	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
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

:: 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
13.50	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
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	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
15.02	2.00	0.00	2.49	0.02	0.00	15.04	2.00	0.00	2.48	0.02	0.00
15.06	2.00	0.00	2.47	0.02	0.00	15.08	2.00	0.00	2.46	0.02	0.00
15.10	2.00	0.00	2.45	0.02	0.00	15.12	2.00	0.00	2.44	0.02	0.00
15.14	2.00	0.00	2.43	0.02	0.00	15.16	2.00	0.00	2.42	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
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Overall liquefaction potential: 0.11

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

:: 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)
1.50	47.24	2.00	0.00	1.00	0.00	1.52	47.75	2.00	0.00	1.00	0.00
1.54	47.68	2.00	0.00	1.00	0.00	1.56	45.69	2.00	0.00	1.00	0.00
1.58	41.00	2.00	0.00	1.00	0.00	1.60	35.07	2.00	0.00	1.00	0.00
1.62	31.11	2.00	0.00	1.00	0.00	1.64	31.60	2.00	0.00	1.00	0.00
1.66	32.99	2.00	0.00	1.00	0.00	1.68	32.77	2.00	0.00	1.00	0.00
1.70	33.82	2.00	0.00	1.00	0.00	1.72	35.57	2.00	0.00	1.00	0.00
1.74	36.24	2.00	0.00	1.00	0.00	1.76	36.74	2.00	0.00	1.00	0.00
1.78	36.71	2.00	0.00	1.00	0.00	1.80	36.51	2.00	0.00	1.00	0.00
1.82	36.50	2.00	0.00	1.00	0.00	1.84	36.11	2.00	0.00	1.00	0.00
1.86	35.72	2.00	0.00	1.00	0.00	1.88	35.34	2.00	0.00	1.00	0.00
1.90	34.27	2.00	0.00	1.00	0.00	1.92	33.72	2.00	0.00	1.00	0.00
1.94	32.46	2.00	0.00	1.00	0.00	1.96	30.82	2.00	0.00	1.00	0.00
1.98	29.69	2.00	0.00	1.00	0.00	2.00	28.70	2.00	0.00	1.00	0.00
2.02	27.90	2.00	0.00	1.00	0.00	2.04	27.93	2.00	0.00	1.00	0.00
2.06	27.64	2.00	0.00	1.00	0.00	2.08	28.00	2.00	0.00	1.00	0.00
2.10	27.87	2.00	0.00	1.00	0.00	2.12	27.58	2.00	0.00	1.00	0.00
2.14	27.44	2.00	0.00	1.00	0.00	2.16	27.16	2.00	0.00	1.00	0.00
2.18	27.02	2.00	0.00	1.00	0.00	2.20	26.90	2.00	0.00	1.00	0.00
2.22	26.76	2.00	0.00	1.00	0.00	2.24	26.01	2.00	0.00	1.00	0.00
2.26	24.30	2.00	0.00	1.00	0.00	2.28	23.38	2.00	0.00	1.00	0.00
2.30	23.12	2.00	0.00	1.00	0.00	2.32	22.85	2.00	0.00	1.00	0.00
2.34	22.73	2.00	0.00	1.00	0.00	2.36	23.41	2.00	0.00	1.00	0.00
2.38	23.61	2.00	0.00	1.00	0.00	2.40	24.10	2.00	0.00	1.00	0.00
2.42	24.30	2.00	0.00	1.00	0.00	2.44	24.04	2.00	0.00	1.00	0.00
2.46	23.16	2.00	0.00	1.00	0.00	2.48	22.74	2.00	0.00	1.00	0.00
2.50	22.05	2.00	0.00	1.00	0.00	2.52	21.08	2.00	0.00	1.00	0.00
2.54	21.01	2.00	0.00	1.00	0.00	2.56	21.11	2.00	0.00	1.00	0.00
2.58	21.07	2.00	0.00	1.00	0.00	2.60	21.62	2.00	0.00	1.00	0.00
2.62	22.47	2.00	0.00	1.00	0.00	2.64	23.16	2.00	0.00	1.00	0.00
2.66	23.86	2.00	0.00	1.00	0.00	2.68	23.36	2.00	0.00	1.00	0.00
2.70	23.01	2.00	0.00	1.00	0.00	2.72	23.26	2.00	0.00	1.00	0.00
2.74	23.80	2.00	0.00	1.00	0.00	2.76	23.76	2.00	0.00	1.00	0.00
2.78	23.41	2.00	0.00	1.00	0.00	2.80	22.92	2.00	0.00	1.00	0.00
2.82	22.55	2.00	0.00	1.00	0.00	2.84	22.80	2.00	0.00	1.00	0.00
2.86	22.60	2.00	0.00	1.00	0.00	2.88	22.26	2.00	0.00	1.00	0.00
2.90	21.76	2.00	0.00	1.00	0.00	2.92	21.43	2.00	0.00	1.00	0.00
2.94	21.08	2.00	0.00	1.00	0.00	2.96	21.04	2.00	0.00	1.00	0.00
2.98	20.54	2.00	0.00	1.00	0.00	3.00	20.50	2.00	0.00	1.00	0.00
3.02	21.31	2.00	0.00	1.00	0.00	3.04	21.71	2.00	0.00	1.00	0.00
3.06	21.96	2.00	0.00	1.00	0.00	3.08	21.49	2.00	0.00	1.00	0.00
3.10	22.17	2.00	0.00	1.00	0.00	3.12	22.28	2.00	0.00	1.00	0.00
3.14	22.24	2.00	0.00	1.00	0.00	3.16	22.20	2.00	0.00	1.00	0.00
3.18	22.88	2.00	0.00	1.00	0.00	3.20	22.97	2.00	0.00	1.00	0.00
3.22	23.65	2.00	0.00	1.00	0.00	3.24	24.32	2.00	0.00	1.00	0.00
3.26	24.39	2.00	0.00	1.00	0.00	3.28	24.91	2.00	0.00	1.00	0.00
3.30	25.00	2.00	0.00	1.00	0.00	3.32	25.37	2.00	0.00	1.00	0.00
3.34	25.03	2.00	0.00	1.00	0.00	3.36	24.41	2.00	0.00	1.00	0.00
3.38	24.36	2.00	0.00	1.00	0.00	3.40	24.29	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)
3.42	24.52	2.00	0.00	1.00	0.00	3.44	25.32	2.00	0.00	1.00	0.00
3.46	26.64	2.00	0.00	1.00	0.00	3.48	27.15	2.00	0.00	1.00	0.00
3.50	27.65	2.00	0.00	1.00	0.00	3.52	28.27	2.00	0.00	1.00	0.00
3.54	28.76	2.00	0.00	1.00	0.00	3.56	27.88	2.00	0.00	1.00	0.00
3.58	27.82	2.00	0.00	1.00	0.00	3.60	29.11	2.00	0.00	1.00	0.00
3.62	29.33	2.00	0.00	1.00	0.00	3.64	29.27	2.00	0.00	1.00	0.00
3.66	29.08	2.00	0.00	1.00	0.00	3.68	28.88	2.00	0.00	1.00	0.00
3.70	28.81	2.00	0.00	1.00	0.00	3.72	28.49	2.00	0.00	1.00	0.00
3.74	27.89	2.00	0.00	1.00	0.00	3.76	26.06	2.00	0.00	1.00	0.00
3.78	24.23	2.00	0.00	1.00	0.00	3.80	22.56	2.00	0.00	1.00	0.00
3.82	22.50	2.00	0.00	1.00	0.00	3.84	22.58	2.00	0.00	1.00	0.00
3.86	22.82	2.00	0.00	1.00	0.00	3.88	23.86	2.00	0.00	1.00	0.00
3.90	24.49	2.00	0.00	1.00	0.00	3.92	24.05	2.00	0.00	1.00	0.00
3.94	21.70	2.00	0.00	1.00	0.00	3.96	20.99	2.00	0.00	1.00	0.00
3.98	20.46	2.00	0.00	1.00	0.00	4.00	20.02	2.00	0.00	1.00	0.00
4.02	19.72	2.00	0.00	1.00	0.00	4.04	20.23	2.00	0.00	1.00	0.00
4.06	19.52	2.00	0.00	1.00	0.00	4.08	19.49	2.00	0.00	1.00	0.00
4.10	20.14	2.00	0.00	1.00	0.00	4.12	20.78	2.00	0.00	1.00	0.00
4.14	21.02	2.00	0.00	1.00	0.00	4.16	21.40	2.00	0.00	1.00	0.00
4.18	22.03	2.00	0.00	1.00	0.00	4.20	20.25	2.00	0.00	1.00	0.00
4.22	19.28	2.00	0.00	1.00	0.00	4.24	18.58	2.00	0.00	1.00	0.00
4.26	17.88	2.00	0.00	1.00	0.00	4.28	16.64	2.00	0.00	1.00	0.00
4.30	16.75	2.00	0.00	1.00	0.00	4.32	15.38	2.00	0.00	1.00	0.00
4.34	15.09	2.00	0.00	1.00	0.00	4.36	14.40	2.00	0.00	1.00	0.00
4.38	14.38	2.00	0.00	1.00	0.00	4.40	14.49	2.00	0.00	1.00	0.00
4.42	14.99	2.00	0.00	1.00	0.00	4.44	15.64	2.00	0.00	1.00	0.00
4.46	15.35	2.00	0.00	1.00	0.00	4.48	15.20	2.00	0.00	1.00	0.00
4.50	15.57	2.00	0.00	1.00	0.00	4.52	15.15	2.00	0.00	1.00	0.00
4.54	15.79	2.00	0.00	1.00	0.00	4.56	16.31	2.00	0.00	1.00	0.00
4.58	17.08	2.00	0.00	1.00	0.00	4.60	17.98	2.00	0.00	1.00	0.00
4.62	18.74	2.00	0.00	1.00	0.00	4.64	19.37	2.00	0.00	1.00	0.00
4.66	19.99	2.00	0.00	1.00	0.00	4.68	20.22	2.00	0.00	1.00	0.00
4.70	19.93	2.00	0.00	1.00	0.00	4.72	19.90	2.00	0.00	1.00	0.00
4.74	20.39	2.00	0.00	1.00	0.00	4.76	20.11	2.00	0.00	1.00	0.00
4.78	19.30	2.00	0.00	1.00	0.00	4.80	18.50	2.00	0.00	1.00	0.00
4.82	17.44	2.00	0.00	1.00	0.00	4.84	16.25	2.00	0.00	1.00	0.00
4.86	15.97	2.00	0.00	1.00	0.00	4.88	16.21	2.00	0.00	1.00	0.00
4.90	16.31	2.00	0.00	1.00	0.00	4.92	16.03	2.00	0.00	1.00	0.00
4.94	16.00	2.00	0.00	1.00	0.00	4.96	17.10	2.00	0.00	1.00	0.00
4.98	15.92	2.00	0.00	1.00	0.00	5.00	15.54	2.00	0.00	1.00	0.00
5.02	14.62	2.00	0.00	1.00	0.00	5.04	14.09	2.00	0.00	1.00	0.00
5.06	13.94	2.00	0.00	1.00	0.00	5.08	13.79	2.00	0.00	1.00	0.00
5.10	13.90	2.00	0.00	1.00	0.00	5.12	14.40	2.00	0.00	1.00	0.00
5.14	14.77	2.00	0.00	1.00	0.00	5.16	14.37	2.00	0.00	1.00	0.00
5.18	13.84	2.00	0.00	1.00	0.00	5.20	13.19	2.00	0.00	1.00	0.00
5.22	13.68	2.00	0.00	1.00	0.00	5.24	14.69	2.00	0.00	1.00	0.00
5.26	15.83	2.00	0.00	1.00	0.00	5.28	16.58	2.00	0.00	1.00	0.00
5.30	16.56	2.00	0.00	1.00	0.00	5.32	16.66	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)
5.34	16.02	2.00	0.00	1.00	0.00	5.36	14.98	2.00	0.00	1.00	0.00
5.38	13.82	2.00	0.00	1.00	0.00	5.40	13.18	2.00	0.00	1.00	0.00
5.42	14.81	2.00	0.00	1.00	0.00	5.44	18.81	2.00	0.00	1.00	0.00
5.46	21.30	2.00	0.00	1.00	0.00	5.48	18.04	2.00	0.00	1.00	0.00
5.50	16.26	2.00	0.00	1.00	0.00	5.52	15.48	2.00	0.00	1.00	0.00
5.54	14.46	2.00	0.00	1.00	0.00	5.56	15.09	2.00	0.00	1.00	0.00
5.58	16.45	2.00	0.00	1.00	0.00	5.60	18.29	2.00	0.00	1.00	0.00
5.62	18.26	2.00	0.00	1.00	0.00	5.64	15.65	2.00	0.00	1.00	0.00
5.66	13.64	2.00	0.00	1.00	0.00	5.68	15.12	2.00	0.00	1.00	0.00
5.70	19.44	2.00	0.00	1.00	0.00	5.72	22.98	2.00	0.00	1.00	0.00
5.74	22.83	2.00	0.00	1.00	0.00	5.76	18.51	2.00	0.00	1.00	0.00
5.78	16.27	2.00	0.00	1.00	0.00	5.80	15.88	2.00	0.00	1.00	0.00
5.82	16.72	2.00	0.00	1.00	0.00	5.84	14.99	2.00	0.00	1.00	0.00
5.86	15.35	2.00	0.00	1.00	0.00	5.88	15.58	2.00	0.00	1.00	0.00
5.90	15.44	2.00	0.00	1.00	0.00	5.92	15.54	2.00	0.00	1.00	0.00
5.94	16.33	2.00	0.00	1.00	0.00	5.96	16.31	2.00	0.00	1.00	0.00
5.98	16.90	2.00	0.00	1.00	0.00	6.00	16.76	2.00	0.00	1.00	0.00
6.02	16.25	2.00	0.00	1.00	0.00	6.04	16.87	2.00	0.00	1.00	0.00
6.06	17.45	2.00	0.00	1.00	0.00	6.08	17.31	2.00	0.00	1.00	0.00
6.10	16.57	2.00	0.00	1.00	0.00	6.12	17.27	2.00	0.00	1.00	0.00
6.14	16.63	2.00	0.00	1.00	0.00	6.16	16.61	2.00	0.00	1.00	0.00
6.18	17.43	2.00	0.00	1.00	0.00	6.20	16.81	2.00	0.00	1.00	0.00
6.22	15.70	2.00	0.00	1.00	0.00	6.24	15.08	2.00	0.00	1.00	0.00
6.26	14.71	2.00	0.00	1.00	0.00	6.28	15.17	2.00	0.00	1.00	0.00
6.30	16.35	2.00	0.00	1.00	0.00	6.32	16.33	2.00	0.00	1.00	0.00
6.34	15.59	2.00	0.00	1.00	0.00	6.36	15.81	2.00	0.00	1.00	0.00
6.38	16.99	2.00	0.00	1.00	0.00	6.40	17.67	2.00	0.00	1.00	0.00
6.42	17.18	2.00	0.00	1.00	0.00	6.44	18.35	2.00	0.00	1.00	0.00
6.46	18.33	2.00	0.00	1.00	0.00	6.48	17.83	2.00	0.00	1.00	0.00
6.50	17.46	2.00	0.00	1.00	0.00	6.52	17.78	2.00	0.00	1.00	0.00
6.54	18.82	2.00	0.00	1.00	0.00	6.56	19.62	2.00	0.00	1.00	0.00
6.58	19.84	2.00	0.00	1.00	0.00	6.60	19.81	2.00	0.00	1.00	0.00
6.62	18.85	2.00	0.00	1.00	0.00	6.64	18.11	2.00	0.00	1.00	0.00
6.66	17.15	2.00	0.00	1.00	0.00	6.68	16.55	2.00	0.00	1.00	0.00
6.70	16.30	2.00	0.00	1.00	0.00	6.72	19.09	2.00	0.00	1.00	0.00
6.74	23.71	2.00	0.00	1.00	0.00	6.76	25.09	2.00	0.00	1.00	0.00
6.78	21.81	2.00	0.00	1.00	0.00	6.80	17.95	2.00	0.00	1.00	0.00
6.82	15.13	2.00	0.00	1.00	0.00	6.84	12.76	2.00	0.00	1.00	0.00
6.86	11.34	2.00	0.00	1.00	0.00	6.88	10.86	2.00	0.00	1.00	0.00
6.90	14.81	2.00	0.00	1.00	0.00	6.92	13.87	2.00	0.00	1.00	0.00
6.94	13.27	2.00	0.00	1.00	0.00	6.96	13.14	2.00	0.00	1.00	0.00
6.98	12.90	2.00	0.00	1.00	0.00	7.00	13.23	2.00	0.00	1.00	0.00
7.02	13.94	2.00	0.00	1.00	0.00	7.04	14.73	2.00	0.00	1.00	0.00
7.06	15.76	2.00	0.00	1.00	0.00	7.08	17.02	2.00	0.00	1.00	0.00
7.10	18.38	2.00	0.00	1.00	0.00	7.12	19.17	2.00	0.00	1.00	0.00
7.14	19.83	2.00	0.00	1.00	0.00	7.16	20.27	2.00	0.00	1.00	0.00
7.18	19.67	2.00	0.00	1.00	0.00	7.20	18.73	2.00	0.00	1.00	0.00
7.22	17.23	2.00	0.00	1.00	0.00	7.24	16.30	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)
7.26	15.48	2.00	0.00	1.00	0.00	7.28	14.90	2.00	0.00	1.00	0.00
7.30	13.97	2.00	0.00	1.00	0.00	7.32	13.15	2.00	0.00	1.00	0.00
7.34	12.90	2.00	0.00	1.00	0.00	7.36	12.66	2.00	0.00	1.00	0.00
7.38	12.53	2.00	0.00	1.00	0.00	7.40	12.61	2.00	0.00	1.00	0.00
7.42	13.63	2.00	0.00	1.00	0.00	7.44	14.64	2.00	0.00	1.00	0.00
7.46	14.96	2.00	0.00	1.00	0.00	7.48	15.06	2.00	0.00	1.00	0.00
7.50	14.93	2.00	0.00	1.00	0.00	7.52	14.13	2.00	0.00	1.00	0.00
7.54	13.43	2.00	0.00	1.00	0.00	7.56	12.29	2.00	0.00	1.00	0.00
7.58	11.49	2.00	0.00	1.00	0.00	7.60	11.03	2.00	0.00	1.00	0.00
7.62	10.23	2.00	0.00	1.00	0.00	7.64	9.76	2.00	0.00	1.00	0.00
7.66	9.87	2.00	0.00	1.00	0.00	7.68	9.75	2.00	0.00	1.00	0.00
7.70	9.85	2.00	0.00	1.00	0.00	7.72	9.73	2.00	0.00	1.00	0.00
7.74	9.16	2.00	0.00	1.00	0.00	7.76	9.49	2.00	0.00	1.00	0.00
7.78	10.37	2.00	0.00	1.00	0.00	7.80	12.38	2.00	0.00	1.00	0.00
7.82	12.95	2.00	0.00	1.00	0.00	7.84	13.27	2.00	0.00	1.00	0.00
7.86	12.37	2.00	0.00	1.00	0.00	7.88	15.56	2.00	0.00	1.00	0.00
7.90	17.10	2.00	0.00	1.00	0.00	7.92	17.75	2.00	0.00	1.00	0.00
7.94	17.18	2.00	0.00	1.00	0.00	7.96	18.27	2.00	0.00	1.00	0.00
7.98	19.69	2.00	0.00	1.00	0.00	8.00	20.66	2.00	0.00	1.00	0.00
8.02	19.10	2.00	0.00	1.00	0.00	8.04	18.20	2.00	0.00	1.00	0.00
8.06	15.75	2.00	0.00	1.00	0.00	8.08	14.30	2.00	0.00	1.00	0.00
8.10	13.85	2.00	0.00	1.00	0.00	8.12	13.72	2.00	0.00	1.00	0.00
8.14	13.82	2.00	0.00	1.00	0.00	8.16	15.57	2.00	0.00	1.00	0.00
8.18	15.77	2.00	0.00	1.00	0.00	8.20	14.99	2.00	0.00	1.00	0.00
8.22	14.65	2.00	0.00	1.00	0.00	8.24	15.07	2.00	0.00	1.00	0.00
8.26	14.94	2.00	0.00	1.00	0.00	8.28	16.35	2.00	0.00	1.00	0.00
8.30	19.39	2.00	0.00	1.00	0.00	8.32	21.23	2.00	0.00	1.00	0.00
8.34	20.34	2.00	0.00	1.00	0.00	8.36	21.41	2.00	0.00	1.00	0.00
8.38	84.19	0.52	3.82	1.00	0.08	8.40	86.27	0.53	3.73	1.00	0.07
8.42	20.90	2.00	0.00	1.00	0.00	8.44	16.21	2.00	0.00	1.00	0.00
8.46	13.70	2.00	0.00	1.00	0.00	8.48	13.15	2.00	0.00	1.00	0.00
8.50	12.48	2.00	0.00	1.00	0.00	8.52	12.80	2.00	0.00	1.00	0.00
8.54	14.84	2.00	0.00	1.00	0.00	8.56	17.42	2.00	0.00	1.00	0.00
8.58	17.84	2.00	0.00	1.00	0.00	8.60	16.10	2.00	0.00	1.00	0.00
8.62	17.27	2.00	0.00	1.00	0.00	8.64	19.30	2.00	0.00	1.00	0.00
8.66	17.67	2.00	0.00	1.00	0.00	8.68	16.66	2.00	0.00	1.00	0.00
8.70	15.25	2.00	0.00	1.00	0.00	8.72	13.31	2.00	0.00	1.00	0.00
8.74	11.68	2.00	0.00	1.00	0.00	8.76	10.06	2.00	0.00	1.00	0.00
8.78	9.84	2.00	0.00	1.00	0.00	8.80	10.37	2.00	0.00	1.00	0.00
8.82	10.47	2.00	0.00	1.00	0.00	8.84	10.35	2.00	0.00	1.00	0.00
8.86	11.45	2.00	0.00	1.00	0.00	8.88	10.49	2.00	0.00	1.00	0.00
8.90	10.26	2.00	0.00	1.00	0.00	8.92	10.58	2.00	0.00	1.00	0.00
8.94	10.57	2.00	0.00	1.00	0.00	8.96	11.09	2.00	0.00	1.00	0.00
8.98	11.51	2.00	0.00	1.00	0.00	9.00	10.43	2.00	0.00	1.00	0.00
9.02	9.15	2.00	0.00	1.00	0.00	9.04	8.29	2.00	0.00	1.00	0.00
9.06	8.18	2.00	0.00	1.00	0.00	9.08	8.17	2.00	0.00	1.00	0.00
9.10	8.48	2.00	0.00	1.00	0.00	9.12	8.48	2.00	0.00	1.00	0.00
9.14	8.47	2.00	0.00	1.00	0.00	9.16	8.15	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
9.18	8.27	2.00	0.00	1.00	0.00	9.20	8.05	2.00	0.00	1.00	0.00
9.22	8.15	2.00	0.00	1.00	0.00	9.24	9.09	2.00	0.00	1.00	0.00
9.26	9.82	2.00	0.00	1.00	0.00	9.28	10.34	2.00	0.00	1.00	0.00
9.30	10.22	2.00	0.00	1.00	0.00	9.32	9.58	2.00	0.00	1.00	0.00
9.34	9.16	2.00	0.00	1.00	0.00	9.36	8.42	2.00	0.00	1.00	0.00
9.38	8.20	2.00	0.00	1.00	0.00	9.40	9.14	2.00	0.00	1.00	0.00
9.42	9.56	2.00	0.00	1.00	0.00	9.44	9.13	2.00	0.00	1.00	0.00
9.46	8.60	2.00	0.00	1.00	0.00	9.48	10.47	2.00	0.00	1.00	0.00
9.50	10.78	2.00	0.00	1.00	0.00	9.52	9.00	2.00	0.00	1.00	0.00
9.54	6.70	2.00	0.00	1.00	0.00	9.56	5.24	2.00	0.00	1.00	0.00
9.58	4.92	2.00	0.00	1.00	0.00	9.60	4.71	2.00	0.00	1.00	0.00
9.62	4.60	2.00	0.00	1.00	0.00	9.64	4.50	2.00	0.00	1.00	0.00
9.66	4.08	2.00	0.00	1.00	0.00	9.68	3.98	2.00	0.00	1.00	0.00
9.70	4.29	2.00	0.00	1.00	0.00	9.72	4.70	2.00	0.00	1.00	0.00
9.74	5.01	2.00	0.00	1.00	0.00	9.76	5.11	2.00	0.00	1.00	0.00
9.78	5.41	2.00	0.00	1.00	0.00	9.80	5.72	2.00	0.00	1.00	0.00
9.82	5.82	2.00	0.00	1.00	0.00	9.84	5.72	2.00	0.00	1.00	0.00
9.86	6.17	2.00	0.00	1.00	0.00	9.88	6.06	2.00	0.00	1.00	0.00
9.90	5.85	2.00	0.00	1.00	0.00	9.92	6.67	2.00	0.00	1.00	0.00
9.94	8.11	2.00	0.00	1.00	0.00	9.96	9.02	2.00	0.00	1.00	0.00
9.98	9.54	2.00	0.00	1.00	0.00	10.00	9.43	2.00	0.00	1.00	0.00
10.02	9.01	2.00	0.00	1.00	0.00	10.04	8.49	2.00	0.00	1.00	0.00
10.06	7.87	2.00	0.00	1.00	0.00	10.08	7.86	2.00	0.00	1.00	0.00
10.10	8.06	2.00	0.00	1.00	0.00	10.12	8.06	2.00	0.00	1.00	0.00
10.14	8.05	2.00	0.00	1.00	0.00	10.16	8.04	2.00	0.00	1.00	0.00
10.18	7.94	2.00	0.00	1.00	0.00	10.20	7.83	2.00	0.00	1.00	0.00
10.22	7.72	2.00	0.00	1.00	0.00	10.24	8.02	2.00	0.00	1.00	0.00
10.26	8.22	2.00	0.00	1.00	0.00	10.28	8.31	2.00	0.00	1.00	0.00
10.30	8.41	2.00	0.00	1.00	0.00	10.32	8.71	2.00	0.00	1.00	0.00
10.34	8.90	2.00	0.00	1.00	0.00	10.36	9.00	2.00	0.00	1.00	0.00
10.38	9.29	2.00	0.00	1.00	0.00	10.40	9.39	2.00	0.00	1.00	0.00
10.42	9.78	2.00	0.00	1.00	0.00	10.44	10.17	2.00	0.00	1.00	0.00
10.46	10.46	2.00	0.00	1.00	0.00	10.48	10.66	2.00	0.00	1.00	0.00
10.50	10.35	2.00	0.00	1.00	0.00	10.52	10.14	2.00	0.00	1.00	0.00
10.54	9.83	2.00	0.00	1.00	0.00	10.56	9.92	2.00	0.00	1.00	0.00
10.58	10.31	2.00	0.00	1.00	0.00	10.60	11.11	2.00	0.00	1.00	0.00
10.62	13.20	2.00	0.00	1.00	0.00	10.64	13.99	2.00	0.00	1.00	0.00
10.66	13.68	2.00	0.00	1.00	0.00	10.68	13.27	2.00	0.00	1.00	0.00
10.70	12.76	2.00	0.00	1.00	0.00	10.72	12.95	2.00	0.00	1.00	0.00
10.74	13.12	2.00	0.00	1.00	0.00	10.76	12.91	2.00	0.00	1.00	0.00
10.78	13.20	2.00	0.00	1.00	0.00	10.80	14.09	2.00	0.00	1.00	0.00
10.82	15.47	2.00	0.00	1.00	0.00	10.84	12.07	2.00	0.00	1.00	0.00
10.86	10.39	2.00	0.00	1.00	0.00	10.88	10.28	2.00	0.00	1.00	0.00
10.90	10.45	2.00	0.00	1.00	0.00	10.92	10.46	2.00	0.00	1.00	0.00
10.94	10.26	2.00	0.00	1.00	0.00	10.96	9.95	2.00	0.00	1.00	0.00
10.98	9.65	2.00	0.00	1.00	0.00	11.00	8.75	2.00	0.00	1.00	0.00
11.02	8.84	2.00	0.00	1.00	0.00	11.04	9.31	2.00	0.00	1.00	0.00
11.06	9.13	2.00	0.00	1.00	0.00	11.08	8.82	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.10	9.69	2.00	0.00	1.00	0.00	11.12	9.88	2.00	0.00	1.00	0.00
11.14	8.98	2.00	0.00	1.00	0.00	11.16	8.48	2.00	0.00	1.00	0.00
11.18	8.48	2.00	0.00	1.00	0.00	11.20	8.37	2.00	0.00	1.00	0.00
11.22	8.17	2.00	0.00	1.00	0.00	11.24	8.36	2.00	0.00	1.00	0.00
11.26	8.36	2.00	0.00	1.00	0.00	11.28	8.35	2.00	0.00	1.00	0.00
11.30	8.15	2.00	0.00	1.00	0.00	11.32	8.05	2.00	0.00	1.00	0.00
11.34	7.94	2.00	0.00	1.00	0.00	11.36	8.33	2.00	0.00	1.00	0.00
11.38	8.42	2.00	0.00	1.00	0.00	11.40	8.41	2.00	0.00	1.00	0.00
11.42	7.92	2.00	0.00	1.00	0.00	11.44	7.33	2.00	0.00	1.00	0.00
11.46	7.33	2.00	0.00	1.00	0.00	11.48	7.42	2.00	0.00	1.00	0.00
11.50	7.32	2.00	0.00	1.00	0.00	11.52	7.02	2.00	0.00	1.00	0.00
11.54	7.21	2.00	0.00	1.00	0.00	11.56	7.40	2.00	0.00	1.00	0.00
11.58	7.59	2.00	0.00	1.00	0.00	11.60	7.58	2.00	0.00	1.00	0.00
11.62	7.58	2.00	0.00	1.00	0.00	11.64	7.59	2.00	0.00	1.00	0.00
11.66	7.97	2.00	0.00	1.00	0.00	11.68	8.06	2.00	0.00	1.00	0.00
11.70	8.06	2.00	0.00	1.00	0.00	11.72	8.05	2.00	0.00	1.00	0.00
11.74	8.05	2.00	0.00	1.00	0.00	11.76	8.33	2.00	0.00	1.00	0.00
11.78	8.52	2.00	0.00	1.00	0.00	11.80	9.02	2.00	0.00	1.00	0.00
11.82	8.63	2.00	0.00	1.00	0.00	11.84	8.55	2.00	0.00	1.00	0.00
11.86	8.33	2.00	0.00	1.00	0.00	11.88	8.61	2.00	0.00	1.00	0.00
11.90	8.80	2.00	0.00	1.00	0.00	11.92	9.00	2.00	0.00	1.00	0.00
11.94	8.98	2.00	0.00	1.00	0.00	11.96	8.97	2.00	0.00	1.00	0.00
11.98	9.45	2.00	0.00	1.00	0.00	12.00	9.82	2.00	0.00	1.00	0.00
12.02	10.29	2.00	0.00	1.00	0.00	12.04	10.48	2.00	0.00	1.00	0.00
12.06	10.66	2.00	0.00	1.00	0.00	12.08	10.85	2.00	0.00	1.00	0.00
12.10	11.03	2.00	0.00	1.00	0.00	12.12	11.31	2.00	0.00	1.00	0.00
12.14	11.40	2.00	0.00	1.00	0.00	12.16	11.48	2.00	0.00	1.00	0.00
12.18	11.67	2.00	0.00	1.00	0.00	12.20	11.56	2.00	0.00	1.00	0.00
12.22	12.03	2.00	0.00	1.00	0.00	12.24	12.11	2.00	0.00	1.00	0.00
12.26	12.10	2.00	0.00	1.00	0.00	12.28	11.99	2.00	0.00	1.00	0.00
12.30	11.79	2.00	0.00	1.00	0.00	12.32	11.41	2.00	0.00	1.00	0.00
12.34	11.29	2.00	0.00	1.00	0.00	12.36	11.28	2.00	0.00	1.00	0.00
12.38	10.90	2.00	0.00	1.00	0.00	12.40	10.88	2.00	0.00	1.00	0.00
12.42	10.97	2.00	0.00	1.00	0.00	12.44	11.34	2.00	0.00	1.00	0.00
12.46	11.50	2.00	0.00	1.00	0.00	12.48	11.96	2.00	0.00	1.00	0.00
12.50	12.71	2.00	0.00	1.00	0.00	12.52	12.88	2.00	0.00	1.00	0.00
12.54	13.25	2.00	0.00	1.00	0.00	12.56	13.43	2.00	0.00	1.00	0.00
12.58	13.51	2.00	0.00	1.00	0.00	12.60	13.78	2.00	0.00	1.00	0.00
12.62	13.39	2.00	0.00	1.00	0.00	12.64	13.18	2.00	0.00	1.00	0.00
12.66	12.98	2.00	0.00	1.00	0.00	12.68	12.60	2.00	0.00	1.00	0.00
12.70	12.78	2.00	0.00	1.00	0.00	12.72	12.57	2.00	0.00	1.00	0.00
12.74	12.28	2.00	0.00	1.00	0.00	12.76	11.80	2.00	0.00	1.00	0.00
12.78	12.18	2.00	0.00	1.00	0.00	12.80	11.98	2.00	0.00	1.00	0.00
12.82	12.06	2.00	0.00	1.00	0.00	12.84	12.34	2.00	0.00	1.00	0.00
12.86	12.51	2.00	0.00	1.00	0.00	12.88	12.59	2.00	0.00	1.00	0.00
12.90	12.77	2.00	0.00	1.00	0.00	12.92	12.85	2.00	0.00	1.00	0.00
12.94	12.84	2.00	0.00	1.00	0.00	12.96	12.64	2.00	0.00	1.00	0.00
12.98	13.01	2.00	0.00	1.00	0.00	13.00	13.07	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.02	12.97	2.00	0.00	1.00	0.00	13.04	12.68	2.00	0.00	1.00	0.00
13.06	12.49	2.00	0.00	1.00	0.00	13.08	12.01	2.00	0.00	1.00	0.00
13.10	11.90	2.00	0.00	1.00	0.00	13.12	11.53	2.00	0.00	1.00	0.00
13.14	11.52	2.00	0.00	1.00	0.00	13.16	11.50	2.00	0.00	1.00	0.00
13.18	11.95	2.00	0.00	1.00	0.00	13.20	11.85	2.00	0.00	1.00	0.00
13.22	11.94	2.00	0.00	1.00	0.00	13.24	12.01	2.00	0.00	1.00	0.00
13.26	11.73	2.00	0.00	1.00	0.00	13.28	11.44	2.00	0.00	1.00	0.00
13.30	11.07	2.00	0.00	1.00	0.00	13.32	10.97	2.00	0.00	1.00	0.00
13.34	10.96	2.00	0.00	1.00	0.00	13.36	10.95	2.00	0.00	1.00	0.00
13.38	11.39	2.00	0.00	1.00	0.00	13.40	11.47	2.00	0.00	1.00	0.00
13.42	11.19	2.00	0.00	1.00	0.00	13.44	11.45	2.00	0.00	1.00	0.00
13.46	11.26	2.00	0.00	1.00	0.00	13.48	11.16	2.00	0.00	1.00	0.00
13.50	11.25	2.00	0.00	1.00	0.00	13.52	11.24	2.00	0.00	1.00	0.00
13.54	10.70	2.00	0.00	1.00	0.00	13.56	10.70	2.00	0.00	1.00	0.00
13.58	10.78	2.00	0.00	1.00	0.00	13.60	10.68	2.00	0.00	1.00	0.00
13.62	10.67	2.00	0.00	1.00	0.00	13.64	10.39	2.00	0.00	1.00	0.00
13.66	10.30	2.00	0.00	1.00	0.00	13.68	9.93	2.00	0.00	1.00	0.00
13.70	10.10	2.00	0.00	1.00	0.00	13.72	9.73	2.00	0.00	1.00	0.00
13.74	9.87	2.00	0.00	1.00	0.00	13.76	9.96	2.00	0.00	1.00	0.00
13.78	9.95	2.00	0.00	1.00	0.00	13.80	10.13	2.00	0.00	1.00	0.00
13.82	9.76	2.00	0.00	1.00	0.00	13.84	9.75	2.00	0.00	1.00	0.00
13.86	9.83	2.00	0.00	1.00	0.00	13.88	10.10	2.00	0.00	1.00	0.00
13.90	9.91	2.00	0.00	1.00	0.00	13.92	10.17	2.00	0.00	1.00	0.00
13.94	10.70	2.00	0.00	1.00	0.00	13.96	11.05	2.00	0.00	1.00	0.00
13.98	11.31	2.00	0.00	1.00	0.00	14.00	11.57	2.00	0.00	1.00	0.00
14.02	12.10	2.00	0.00	1.00	0.00	14.04	12.27	2.00	0.00	1.00	0.00
14.06	12.26	2.00	0.00	1.00	0.00	14.08	12.16	2.00	0.00	1.00	0.00
14.10	12.60	2.00	0.00	1.00	0.00	14.12	12.57	2.00	0.00	1.00	0.00
14.14	12.74	2.00	0.00	1.00	0.00	14.16	12.91	2.00	0.00	1.00	0.00
14.18	12.98	2.00	0.00	1.00	0.00	14.20	13.15	2.00	0.00	1.00	0.00
14.22	13.23	2.00	0.00	1.00	0.00	14.24	12.95	2.00	0.00	1.00	0.00
14.26	12.57	2.00	0.00	1.00	0.00	14.28	12.92	2.00	0.00	1.00	0.00
14.30	12.90	2.00	0.00	1.00	0.00	14.32	12.80	2.00	0.00	1.00	0.00
14.34	13.14	2.00	0.00	1.00	0.00	14.36	12.59	2.00	0.00	1.00	0.00
14.38	12.04	2.00	0.00	1.00	0.00	14.40	11.86	2.00	0.00	1.00	0.00
14.42	11.85	2.00	0.00	1.00	0.00	14.44	12.10	2.00	0.00	1.00	0.00
14.46	13.07	2.00	0.00	1.00	0.00	14.48	13.86	2.00	0.00	1.00	0.00
14.50	14.38	2.00	0.00	1.00	0.00	14.52	14.45	2.00	0.00	1.00	0.00
14.54	14.71	2.00	0.00	1.00	0.00	14.56	14.15	2.00	0.00	1.00	0.00
14.58	13.87	2.00	0.00	1.00	0.00	14.60	13.69	2.00	0.00	1.00	0.00
14.62	13.14	2.00	0.00	1.00	0.00	14.64	12.69	2.00	0.00	1.00	0.00
14.66	13.21	2.00	0.00	1.00	0.00	14.68	13.12	2.00	0.00	1.00	0.00
14.70	13.72	2.00	0.00	1.00	0.00	14.72	14.65	2.00	0.00	1.00	0.00
14.74	14.90	2.00	0.00	1.00	0.00	14.76	15.07	2.00	0.00	1.00	0.00
14.78	15.23	2.00	0.00	1.00	0.00	14.80	15.31	2.00	0.00	1.00	0.00
14.82	15.21	2.00	0.00	1.00	0.00	14.84	15.29	2.00	0.00	1.00	0.00
14.86	15.45	2.00	0.00	1.00	0.00	14.88	15.26	2.00	0.00	1.00	0.00
14.90	15.07	2.00	0.00	1.00	0.00	14.92	14.53	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.94	13.99	2.00	0.00	1.00	0.00	14.96	13.18	2.00	0.00	1.00	0.00
14.98	12.74	2.00	0.00	1.00	0.00	15.00	12.98	2.00	0.00	1.00	0.00
15.02	12.61	2.00	0.00	1.00	0.00	15.04	11.99	2.00	0.00	1.00	0.00
15.06	11.55	2.00	0.00	1.00	0.00	15.08	11.19	2.00	0.00	1.00	0.00
15.10	10.91	2.00	0.00	1.00	0.00	15.12	10.99	2.00	0.00	1.00	0.00
15.14	10.97	2.00	0.00	1.00	0.00	15.16	10.88	2.00	0.00	1.00	0.00
Total estimated settlement: 0.15											

Abbreviations

$Q_{m,cs}$:	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

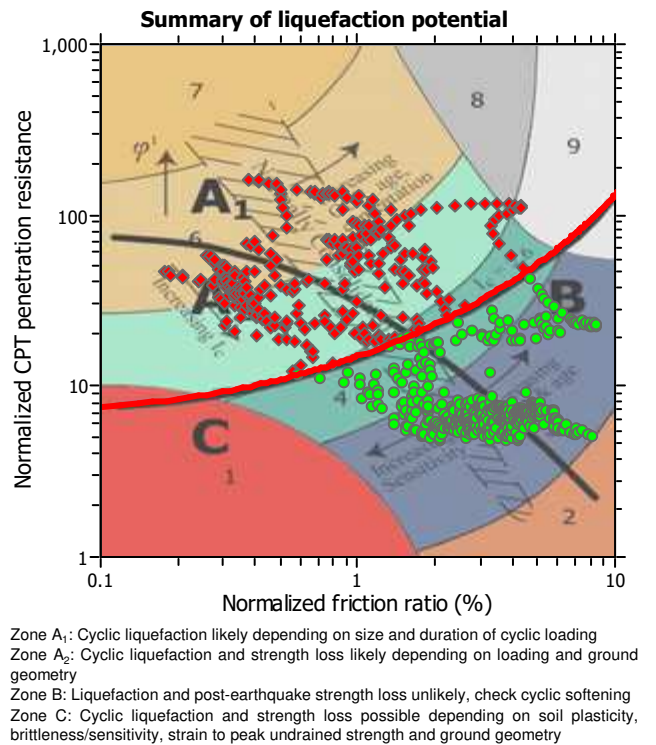
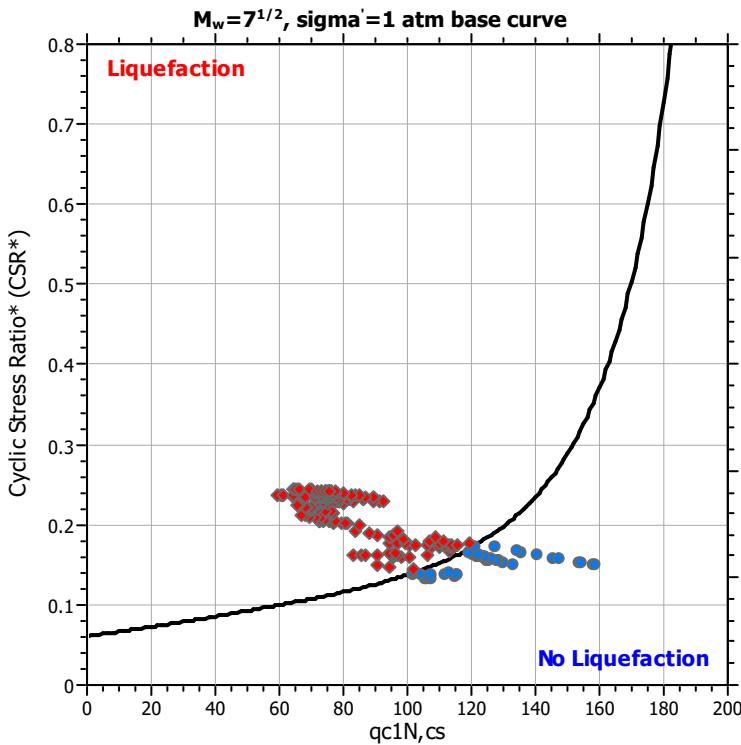
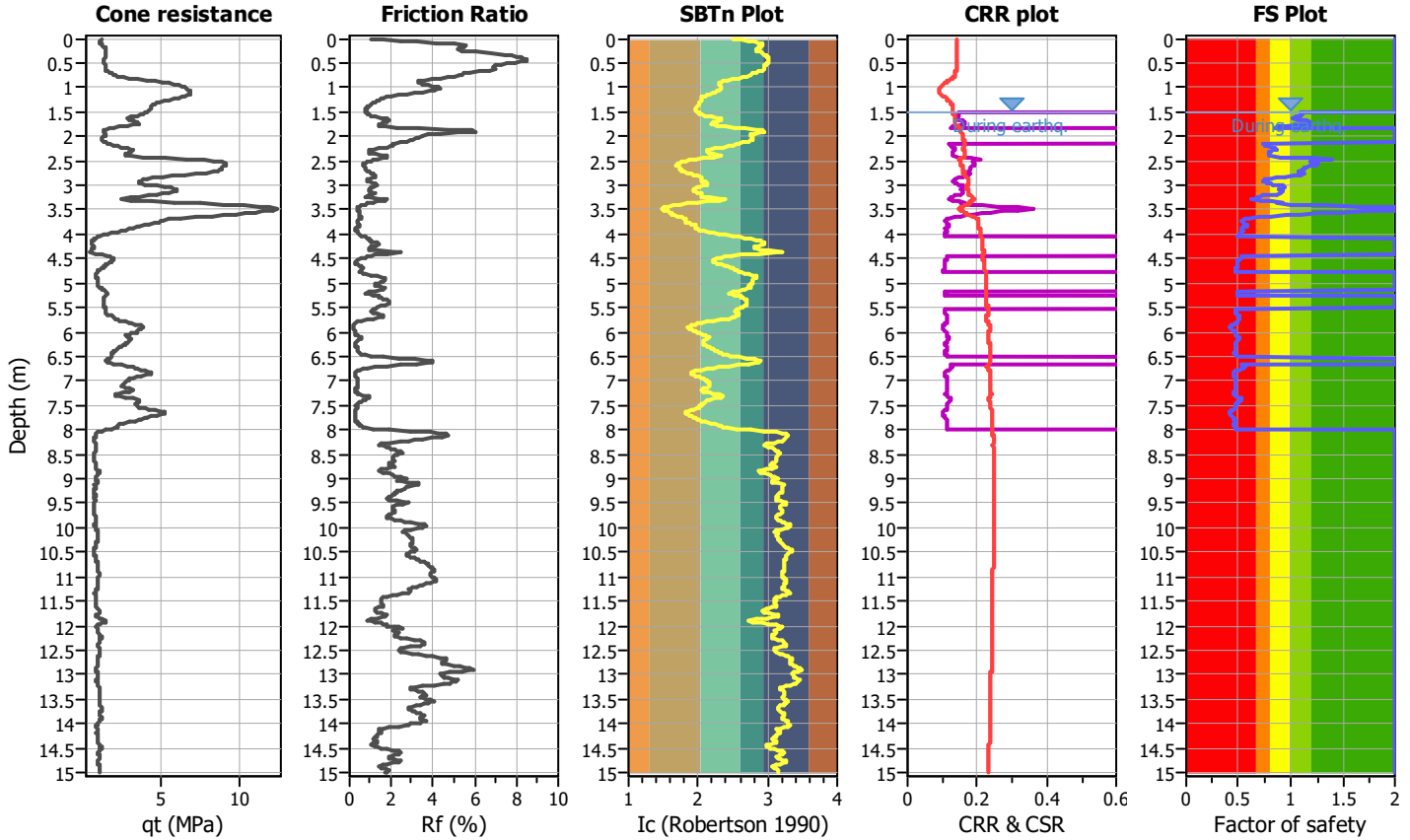
Project title :

Location :

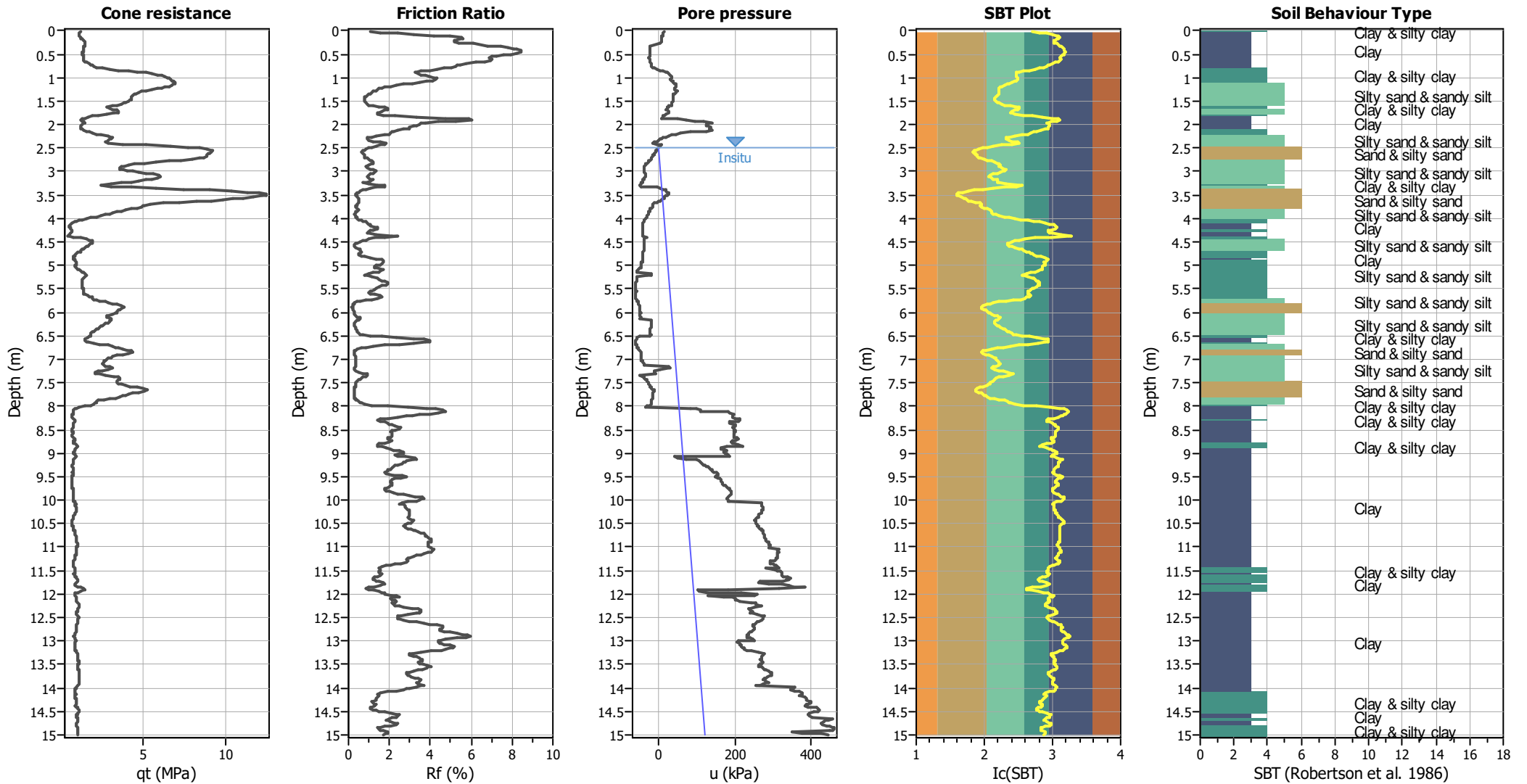
CPT file : cptu6

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



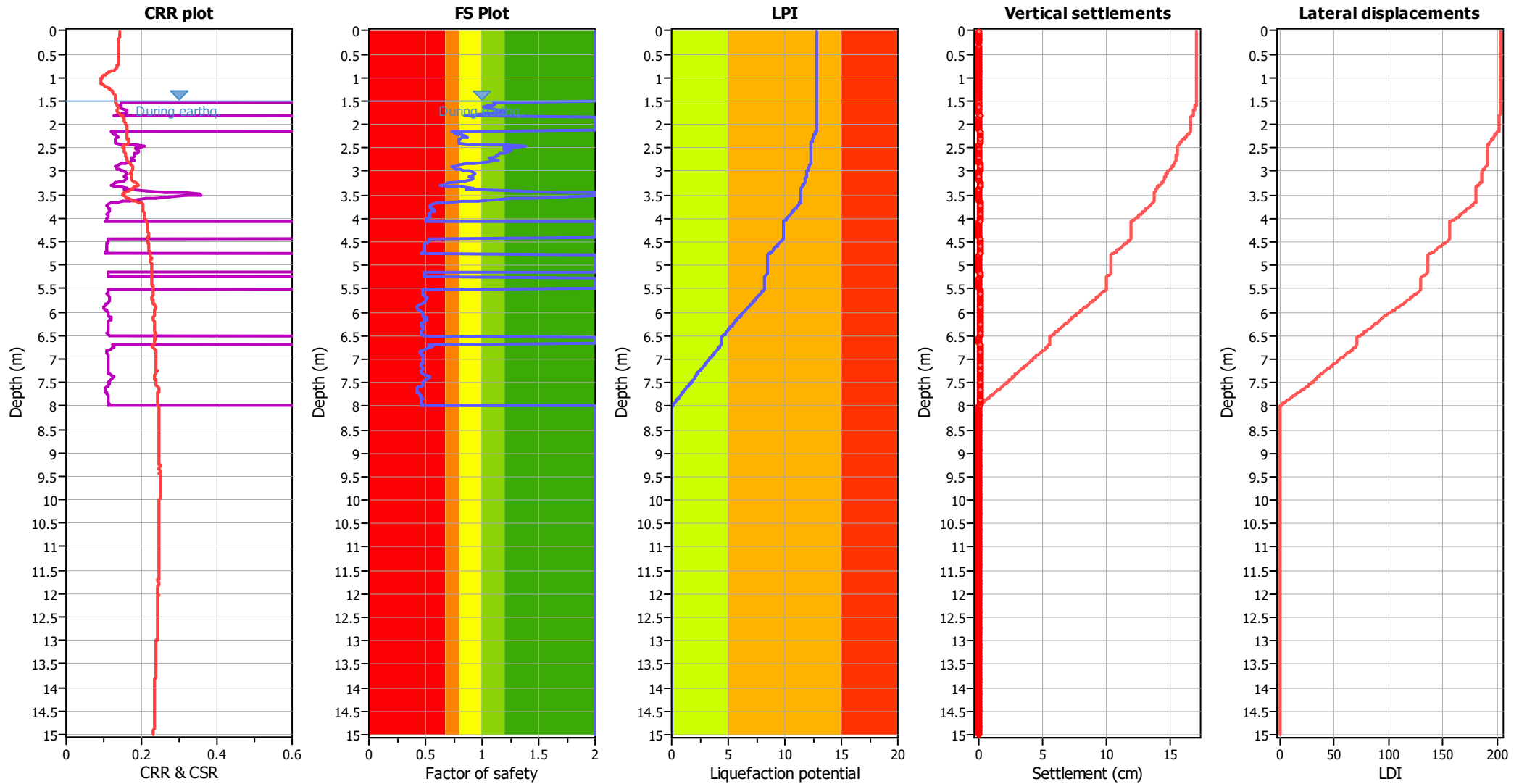
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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 (earthq.):	1.50 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_D applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.32	2.00	0.00	9.84	0.04	0.00	0.34	2.00	0.00	9.83	0.02	0.00
0.36	2.00	0.00	9.82	0.02	0.00	0.38	2.00	0.00	9.81	0.02	0.00
0.40	2.00	0.00	9.80	0.02	0.00	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	1.10	0.00	9.24	0.02	0.00	1.54	1.10	0.00	9.23	0.02	0.00
1.56	1.11	0.00	9.22	0.02	0.00	1.58	1.09	0.00	9.21	0.02	0.00
1.60	1.05	0.00	9.20	0.02	0.00	1.62	1.02	0.00	9.19	0.02	0.00
1.64	1.01	0.00	9.18	0.02	0.00	1.66	1.08	0.00	9.17	0.02	0.00
1.68	1.15	0.00	9.16	0.02	0.00	1.70	1.18	0.00	9.15	0.02	0.00
1.72	1.20	0.00	9.14	0.02	0.00	1.74	1.19	0.00	9.13	0.02	0.00
1.76	1.14	0.00	9.12	0.02	0.00	1.78	0.97	0.03	9.11	0.02	0.01
1.80	0.88	0.12	9.10	0.02	0.02	1.82	0.85	0.15	9.09	0.02	0.03
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.96	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	0.73	0.27	8.93	0.02	0.05
2.16	0.75	0.25	8.92	0.02	0.05	2.18	0.76	0.24	8.91	0.02	0.04
2.20	0.78	0.22	8.90	0.02	0.04	2.22	0.82	0.18	8.89	0.02	0.03
2.24	0.84	0.16	8.88	0.02	0.03	2.26	0.87	0.13	8.87	0.02	0.02
2.28	0.82	0.18	8.86	0.02	0.03	2.30	0.81	0.19	8.85	0.02	0.03
2.32	0.79	0.21	8.84	0.02	0.04	2.34	0.80	0.20	8.83	0.02	0.04
2.36	0.79	0.21	8.82	0.02	0.04	2.38	0.79	0.21	8.81	0.02	0.04
2.40	0.80	0.20	8.80	0.02	0.04	2.42	0.90	0.10	8.79	0.02	0.02
2.44	1.20	0.00	8.78	0.02	0.00	2.46	1.39	0.00	8.77	0.02	0.00
2.48	1.30	0.00	8.76	0.02	0.00	2.50	1.19	0.00	8.75	0.02	0.00
2.52	1.19	0.00	8.74	0.02	0.00	2.54	1.25	0.00	8.73	0.02	0.00
2.56	1.26	0.00	8.72	0.02	0.00	2.58	1.24	0.00	8.71	0.02	0.00
2.60	1.20	0.00	8.70	0.02	0.00	2.62	1.16	0.00	8.69	0.02	0.00
2.64	1.14	0.00	8.68	0.02	0.00	2.66	1.13	0.00	8.67	0.02	0.00
2.68	1.12	0.00	8.66	0.02	0.00	2.70	1.09	0.00	8.65	0.02	0.00
2.72	1.07	0.00	8.64	0.02	0.00	2.74	1.08	0.00	8.63	0.02	0.00
2.76	1.14	0.00	8.62	0.02	0.00	2.78	1.10	0.00	8.61	0.02	0.00
2.80	1.04	0.00	8.60	0.02	0.00	2.82	0.94	0.06	8.59	0.02	0.01
2.84	0.86	0.14	8.58	0.02	0.02	2.86	0.80	0.20	8.57	0.02	0.03
2.88	0.76	0.24	8.56	0.02	0.04	2.90	0.74	0.26	8.55	0.02	0.05
2.92	0.75	0.25	8.54	0.02	0.04	2.94	0.77	0.23	8.53	0.02	0.04
2.96	0.80	0.20	8.52	0.02	0.03	2.98	0.84	0.16	8.51	0.02	0.03
3.00	0.88	0.12	8.50	0.02	0.02	3.02	0.92	0.08	8.49	0.02	0.01
3.04	0.94	0.06	8.48	0.02	0.01	3.06	0.94	0.06	8.47	0.02	0.01
3.08	0.92	0.08	8.46	0.02	0.01	3.10	0.89	0.11	8.45	0.02	0.02
3.12	0.90	0.10	8.44	0.02	0.02	3.14	0.93	0.07	8.43	0.02	0.01
3.16	0.91	0.09	8.42	0.02	0.02	3.18	0.91	0.09	8.41	0.02	0.01
3.20	0.86	0.14	8.40	0.02	0.02	3.22	0.74	0.26	8.39	0.02	0.04
3.24	0.71	0.29	8.38	0.02	0.05	3.26	0.67	0.33	8.37	0.02	0.05
3.28	0.65	0.35	8.36	0.02	0.06	3.30	0.62	0.38	8.35	0.02	0.06
3.32	0.71	0.29	8.34	0.02	0.05	3.34	0.82	0.18	8.33	0.02	0.03
3.36	0.92	0.08	8.32	0.02	0.01	3.38	0.86	0.14	8.31	0.02	0.02
3.40	1.00	0.00	8.30	0.02	0.00	3.42	1.31	0.00	8.29	0.02	0.00
3.44	1.66	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	1.74	0.00	8.23	0.02	0.00
3.56	1.47	0.00	8.22	0.02	0.00	3.58	1.27	0.00	8.21	0.02	0.00
3.60	1.10	0.00	8.20	0.02	0.00	3.62	0.96	0.04	8.19	0.02	0.01
3.64	0.82	0.18	8.18	0.02	0.03	3.66	0.69	0.31	8.17	0.02	0.05
3.68	0.61	0.39	8.16	0.02	0.06	3.70	0.56	0.44	8.15	0.02	0.07
3.72	0.54	0.46	8.14	0.02	0.08	3.74	0.53	0.47	8.13	0.02	0.08
3.76	0.54	0.46	8.12	0.02	0.07	3.78	0.55	0.45	8.11	0.02	0.07
3.80	0.57	0.43	8.10	0.02	0.07	3.82	0.58	0.42	8.09	0.02	0.07
3.84	0.58	0.42	8.08	0.02	0.07	3.86	0.56	0.44	8.07	0.02	0.07

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	0.54	0.46	8.06	0.02	0.07	3.90	0.53	0.47	8.05	0.02	0.08
3.92	0.53	0.47	8.04	0.02	0.08	3.94	0.54	0.46	8.03	0.02	0.07
3.96	0.54	0.46	8.02	0.02	0.07	3.98	0.53	0.47	8.01	0.02	0.08
4.00	0.52	0.48	8.00	0.02	0.08	4.02	0.51	0.49	7.99	0.02	0.08
4.04	0.50	0.50	7.98	0.02	0.08	4.06	0.50	0.50	7.97	0.02	0.08
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	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	0.52	0.48	7.78	0.02	0.07	4.46	0.52	0.48	7.77	0.02	0.07
4.48	0.53	0.47	7.76	0.02	0.07	4.50	0.52	0.48	7.75	0.02	0.07
4.52	0.51	0.49	7.74	0.02	0.08	4.54	0.50	0.50	7.73	0.02	0.08
4.56	0.49	0.51	7.72	0.02	0.08	4.58	0.49	0.51	7.71	0.02	0.08
4.60	0.49	0.51	7.70	0.02	0.08	4.62	0.49	0.51	7.69	0.02	0.08
4.64	0.49	0.51	7.68	0.02	0.08	4.66	0.49	0.51	7.67	0.02	0.08
4.68	0.48	0.52	7.66	0.02	0.08	4.70	0.48	0.52	7.65	0.02	0.08
4.72	0.48	0.52	7.64	0.02	0.08	4.74	0.47	0.53	7.63	0.02	0.08
4.76	0.46	0.54	7.62	0.02	0.08	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	0.49	0.51	7.42	0.02	0.08	5.18	0.48	0.52	7.41	0.02	0.08
5.20	0.48	0.52	7.40	0.02	0.08	5.22	0.49	0.51	7.39	0.02	0.07
5.24	0.49	0.51	7.38	0.02	0.08	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	0.48	0.52	7.24	0.02	0.08	5.54	0.48	0.52	7.23	0.02	0.08
5.56	0.48	0.52	7.22	0.02	0.08	5.58	0.48	0.52	7.21	0.02	0.08
5.60	0.47	0.53	7.20	0.02	0.08	5.62	0.48	0.52	7.19	0.02	0.07
5.64	0.49	0.51	7.18	0.02	0.07	5.66	0.50	0.50	7.17	0.02	0.07
5.68	0.51	0.49	7.16	0.02	0.07	5.70	0.51	0.49	7.15	0.02	0.07
5.72	0.50	0.50	7.14	0.02	0.07	5.74	0.50	0.50	7.13	0.02	0.07
5.76	0.50	0.50	7.12	0.02	0.07	5.78	0.49	0.51	7.11	0.02	0.07

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.80	0.48	0.52	7.10	0.02	0.07	5.82	0.47	0.53	7.09	0.02	0.08
5.84	0.45	0.55	7.08	0.02	0.08	5.86	0.44	0.56	7.07	0.02	0.08
5.88	0.42	0.58	7.06	0.02	0.08	5.90	0.42	0.58	7.05	0.02	0.08
5.92	0.42	0.58	7.04	0.02	0.08	5.94	0.44	0.56	7.03	0.02	0.08
5.96	0.45	0.55	7.02	0.02	0.08	5.98	0.46	0.54	7.01	0.02	0.08
6.00	0.47	0.53	7.00	0.02	0.07	6.02	0.48	0.52	6.99	0.02	0.07
6.04	0.48	0.52	6.98	0.02	0.07	6.06	0.48	0.52	6.97	0.02	0.07
6.08	0.48	0.52	6.96	0.02	0.07	6.10	0.49	0.51	6.95	0.02	0.07
6.12	0.51	0.49	6.94	0.02	0.07	6.14	0.52	0.48	6.93	0.02	0.07
6.16	0.51	0.49	6.92	0.02	0.07	6.18	0.49	0.51	6.91	0.02	0.07
6.20	0.48	0.52	6.90	0.02	0.07	6.22	0.47	0.53	6.89	0.02	0.07
6.24	0.47	0.53	6.88	0.02	0.07	6.26	0.47	0.53	6.87	0.02	0.07
6.28	0.47	0.53	6.86	0.02	0.07	6.30	0.47	0.53	6.85	0.02	0.07
6.32	0.47	0.53	6.84	0.02	0.07	6.34	0.47	0.53	6.83	0.02	0.07
6.36	0.47	0.53	6.82	0.02	0.07	6.38	0.47	0.53	6.81	0.02	0.07
6.40	0.47	0.53	6.80	0.02	0.07	6.42	0.47	0.53	6.79	0.02	0.07
6.44	0.46	0.54	6.78	0.02	0.07	6.46	0.47	0.53	6.77	0.02	0.07
6.48	0.47	0.53	6.76	0.02	0.07	6.50	0.48	0.52	6.75	0.02	0.07
6.52	0.49	0.51	6.74	0.02	0.07	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	0.53	0.47	6.66	0.02	0.06	6.70	0.55	0.45	6.65	0.02	0.06
6.72	0.56	0.44	6.64	0.02	0.06	6.74	0.54	0.46	6.63	0.02	0.06
6.76	0.52	0.48	6.62	0.02	0.06	6.78	0.50	0.50	6.61	0.02	0.07
6.80	0.48	0.52	6.60	0.02	0.07	6.82	0.46	0.54	6.59	0.02	0.07
6.84	0.45	0.55	6.58	0.02	0.07	6.86	0.45	0.55	6.57	0.02	0.07
6.88	0.46	0.54	6.56	0.02	0.07	6.90	0.46	0.54	6.55	0.02	0.07
6.92	0.47	0.53	6.54	0.02	0.07	6.94	0.47	0.53	6.53	0.02	0.07
6.96	0.47	0.53	6.52	0.02	0.07	6.98	0.47	0.53	6.51	0.02	0.07
7.00	0.47	0.53	6.50	0.02	0.07	7.02	0.47	0.53	6.49	0.02	0.07
7.04	0.47	0.53	6.48	0.02	0.07	7.06	0.47	0.53	6.47	0.02	0.07
7.08	0.47	0.53	6.46	0.02	0.07	7.10	0.47	0.53	6.45	0.02	0.07
7.12	0.46	0.54	6.44	0.02	0.07	7.14	0.47	0.53	6.43	0.02	0.07
7.16	0.47	0.53	6.42	0.02	0.07	7.18	0.47	0.53	6.41	0.02	0.07
7.20	0.47	0.53	6.40	0.02	0.07	7.22	0.47	0.53	6.39	0.02	0.07
7.24	0.46	0.54	6.38	0.02	0.07	7.26	0.46	0.54	6.37	0.02	0.07
7.28	0.46	0.54	6.36	0.02	0.07	7.30	0.47	0.53	6.35	0.02	0.07
7.32	0.48	0.52	6.34	0.02	0.07	7.34	0.50	0.50	6.33	0.02	0.06
7.36	0.53	0.47	6.32	0.02	0.06	7.38	0.54	0.46	6.31	0.02	0.06
7.40	0.52	0.48	6.30	0.02	0.06	7.42	0.51	0.49	6.29	0.02	0.06
7.44	0.50	0.50	6.28	0.02	0.06	7.46	0.49	0.51	6.27	0.02	0.06
7.48	0.47	0.53	6.26	0.02	0.07	7.50	0.47	0.53	6.25	0.02	0.07
7.52	0.47	0.53	6.24	0.02	0.07	7.54	0.47	0.53	6.23	0.02	0.07
7.56	0.47	0.53	6.22	0.02	0.07	7.58	0.46	0.54	6.21	0.02	0.07
7.60	0.44	0.56	6.20	0.02	0.07	7.62	0.43	0.57	6.19	0.02	0.07
7.64	0.42	0.58	6.18	0.02	0.07	7.66	0.42	0.58	6.17	0.02	0.07
7.68	0.42	0.58	6.16	0.02	0.07	7.70	0.43	0.57	6.15	0.02	0.07

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.72	0.44	0.56	6.14	0.02	0.07	7.74	0.45	0.55	6.13	0.02	0.07
7.76	0.45	0.55	6.12	0.02	0.07	7.78	0.46	0.54	6.11	0.02	0.07
7.80	0.46	0.54	6.10	0.02	0.07	7.82	0.47	0.53	6.09	0.02	0.07
7.84	0.47	0.53	6.08	0.02	0.06	7.86	0.46	0.54	6.07	0.02	0.07
7.88	0.46	0.54	6.06	0.02	0.07	7.90	0.46	0.54	6.05	0.02	0.07
7.92	0.46	0.54	6.04	0.02	0.06	7.94	0.47	0.53	6.03	0.02	0.06
7.96	0.47	0.53	6.02	0.02	0.06	7.98	0.46	0.54	6.01	0.02	0.06
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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.64	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	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

:: 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
11.56	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	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

:: 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
13.48	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	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	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: 12.84

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

:: 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)
1.50	104.01	2.00	0.00	1.00	0.00	1.52	105.50	1.10	0.86	1.00	0.02
1.54	106.23	1.10	0.85	1.00	0.02	1.56	107.30	1.11	0.82	1.00	0.02
1.58	106.23	1.09	0.90	1.00	0.02	1.60	104.14	1.05	1.05	1.00	0.02
1.62	101.68	1.02	1.27	1.00	0.03	1.64	101.76	1.01	1.31	1.00	0.03
1.66	107.23	1.08	0.94	1.00	0.02	1.68	112.14	1.15	0.73	1.00	0.01
1.70	114.70	1.18	0.65	1.00	0.01	1.72	115.86	1.20	0.62	1.00	0.01
1.74	115.87	1.19	0.64	1.00	0.01	1.76	113.41	1.14	0.74	1.00	0.01
1.78	101.62	0.97	1.65	1.00	0.03	1.80	94.08	0.88	3.42	1.00	0.07
1.82	90.51	0.85	3.55	1.00	0.07	1.84	27.67	2.00	0.00	1.00	0.00
1.86	23.37	2.00	0.00	1.00	0.00	1.88	19.98	2.00	0.00	1.00	0.00
1.90	19.96	2.00	0.00	1.00	0.00	1.92	20.86	2.00	0.00	1.00	0.00
1.94	22.61	2.00	0.00	1.00	0.00	1.96	24.38	2.00	0.00	1.00	0.00
1.98	23.66	2.00	0.00	1.00	0.00	2.00	20.97	2.00	0.00	1.00	0.00
2.02	19.01	2.00	0.00	1.00	0.00	2.04	19.52	2.00	0.00	1.00	0.00
2.06	19.52	2.00	0.00	1.00	0.00	2.08	18.97	2.00	0.00	1.00	0.00
2.10	20.72	2.00	0.00	1.00	0.00	2.12	22.68	2.00	0.00	1.00	0.00
2.14	83.42	0.73	3.85	1.00	0.08	2.16	85.41	0.75	3.76	1.00	0.08
2.18	87.08	0.76	3.69	1.00	0.07	2.20	90.66	0.78	3.55	1.00	0.07
2.22	95.83	0.82	3.36	1.00	0.07	2.24	98.30	0.84	3.27	1.00	0.07
2.26	100.90	0.87	3.18	1.00	0.06	2.28	96.78	0.82	3.32	1.00	0.07
2.30	95.36	0.81	3.37	1.00	0.07	2.32	94.11	0.79	3.42	1.00	0.07
2.34	94.83	0.80	3.39	1.00	0.07	2.36	94.69	0.79	3.40	1.00	0.07
2.38	94.56	0.79	3.40	1.00	0.07	2.40	96.05	0.80	3.35	1.00	0.07
2.42	105.95	0.90	2.41	1.00	0.05	2.44	125.06	1.20	0.62	1.00	0.01
2.46	132.98	1.39	0.37	1.00	0.01	2.48	129.86	1.30	0.47	1.00	0.01
2.50	125.35	1.19	0.63	1.00	0.01	2.52	125.25	1.19	0.64	1.00	0.01
2.54	128.21	1.25	0.54	1.00	0.01	2.56	128.78	1.26	0.52	1.00	0.01
2.58	127.96	1.24	0.56	1.00	0.01	2.60	126.26	1.20	0.62	1.00	0.01
2.62	124.58	1.16	0.69	1.00	0.01	2.64	123.89	1.14	0.73	1.00	0.01
2.66	123.59	1.13	0.75	1.00	0.02	2.68	123.27	1.12	0.77	1.00	0.02
2.70	121.76	1.09	0.85	1.00	0.02	2.72	120.68	1.07	0.92	1.00	0.02
2.74	121.53	1.08	0.88	1.00	0.02	2.76	124.57	1.14	0.74	1.00	0.01
2.78	122.61	1.10	0.84	1.00	0.02	2.80	119.48	1.04	1.02	1.00	0.02
2.82	113.11	0.94	1.61	1.00	0.03	2.84	107.21	0.86	2.99	1.00	0.06
2.86	100.89	0.80	3.18	1.00	0.06	2.88	96.68	0.76	3.33	1.00	0.07
2.90	94.62	0.74	3.40	1.00	0.07	2.92	96.63	0.75	3.33	1.00	0.07
2.94	99.08	0.77	3.24	1.00	0.06	2.96	102.45	0.80	3.13	1.00	0.06
2.98	106.02	0.84	3.03	1.00	0.06	3.00	109.80	0.88	2.43	1.00	0.05
3.02	113.12	0.92	1.78	1.00	0.04	3.04	114.55	0.94	1.59	1.00	0.03
3.06	114.60	0.94	1.60	1.00	0.03	3.08	113.33	0.92	1.79	1.00	0.04
3.10	111.27	0.89	2.20	1.00	0.04	3.12	112.17	0.90	2.03	1.00	0.04
3.14	114.38	0.93	1.68	1.00	0.03	3.16	113.30	0.91	1.86	1.00	0.04
3.18	113.79	0.91	1.80	1.00	0.04	3.20	109.98	0.86	2.68	1.00	0.05
3.22	98.88	0.74	3.25	1.00	0.07	3.24	94.55	0.71	3.40	1.00	0.07
3.26	90.78	0.67	3.54	1.00	0.07	3.28	88.00	0.65	3.65	1.00	0.07
3.30	83.98	0.62	3.82	1.00	0.08	3.32	95.74	0.71	3.36	1.00	0.07
3.34	107.15	0.82	2.99	1.00	0.06	3.36	115.42	0.92	1.68	1.00	0.03
3.38	111.04	0.86	2.61	1.00	0.05	3.40	120.98	1.00	1.14	1.00	0.02

:: 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)
3.42	135.47	1.31	0.45	1.00	0.01	3.44	145.52	1.66	0.16	1.00	0.00
3.46	153.68	2.00	0.00	1.00	0.00	3.48	158.26	2.00	0.00	1.00	0.00
3.50	158.78	2.00	0.00	1.00	0.00	3.52	154.21	2.00	0.00	1.00	0.00
3.54	147.72	1.74	0.12	1.00	0.00	3.56	140.85	1.47	0.30	1.00	0.01
3.58	134.51	1.27	0.50	1.00	0.01	3.60	127.28	1.10	0.80	1.00	0.02
3.62	119.60	0.96	1.33	1.00	0.03	3.64	108.87	0.82	2.94	1.00	0.06
3.66	96.67	0.69	3.33	1.00	0.07	3.68	84.92	0.61	3.78	1.00	0.08
3.70	76.99	0.56	4.16	1.00	0.08	3.72	72.34	0.54	4.41	1.00	0.09
3.74	72.41	0.53	4.41	1.00	0.09	3.76	73.66	0.54	4.34	1.00	0.09
3.78	75.83	0.55	4.22	1.00	0.08	3.80	79.61	0.57	4.03	1.00	0.08
3.82	81.29	0.58	3.95	1.00	0.08	3.84	80.89	0.58	3.97	1.00	0.08
3.86	77.50	0.56	4.13	1.00	0.08	3.88	73.75	0.54	4.33	1.00	0.09
3.90	72.28	0.53	4.41	1.00	0.09	3.92	73.65	0.53	4.34	1.00	0.09
3.94	74.83	0.54	4.27	1.00	0.09	3.96	74.59	0.54	4.29	1.00	0.09
3.98	72.98	0.53	4.37	1.00	0.09	4.00	71.11	0.52	4.48	1.00	0.09
4.02	69.51	0.51	4.58	1.00	0.09	4.04	68.11	0.50	4.67	1.00	0.09
4.06	67.03	0.50	4.74	1.00	0.09	4.08	10.97	2.00	0.00	1.00	0.00
4.10	9.53	2.00	0.00	1.00	0.00	4.12	8.08	2.00	0.00	1.00	0.00
4.14	7.35	2.00	0.00	1.00	0.00	4.16	6.91	2.00	0.00	1.00	0.00
4.18	7.04	2.00	0.00	1.00	0.00	4.20	7.44	2.00	0.00	1.00	0.00
4.22	8.02	2.00	0.00	1.00	0.00	4.24	8.73	2.00	0.00	1.00	0.00
4.26	9.01	2.00	0.00	1.00	0.00	4.28	8.71	2.00	0.00	1.00	0.00
4.30	7.85	2.00	0.00	1.00	0.00	4.32	7.56	2.00	0.00	1.00	0.00
4.34	6.55	2.00	0.00	1.00	0.00	4.36	4.97	2.00	0.00	1.00	0.00
4.38	4.96	2.00	0.00	1.00	0.00	4.40	8.94	2.00	0.00	1.00	0.00
4.42	16.61	2.00	0.00	1.00	0.00	4.44	75.50	0.52	4.24	1.00	0.08
4.46	76.54	0.52	4.18	1.00	0.08	4.48	76.94	0.53	4.16	1.00	0.08
4.50	75.98	0.52	4.21	1.00	0.08	4.52	74.09	0.51	4.31	1.00	0.09
4.54	71.84	0.50	4.44	1.00	0.09	4.56	70.55	0.49	4.52	1.00	0.09
4.58	69.90	0.49	4.56	1.00	0.09	4.60	69.46	0.49	4.58	1.00	0.09
4.62	69.76	0.49	4.56	1.00	0.09	4.64	69.72	0.49	4.57	1.00	0.09
4.66	69.84	0.49	4.56	1.00	0.09	4.68	69.73	0.48	4.57	1.00	0.09
4.70	68.97	0.48	4.61	1.00	0.09	4.72	67.93	0.48	4.68	1.00	0.09
4.74	66.29	0.47	4.78	1.00	0.10	4.76	65.57	0.46	4.83	1.00	0.10
4.78	11.03	2.00	0.00	1.00	0.00	4.80	10.87	2.00	0.00	1.00	0.00
4.82	9.88	2.00	0.00	1.00	0.00	4.84	9.32	2.00	0.00	1.00	0.00
4.86	9.58	2.00	0.00	1.00	0.00	4.88	10.39	2.00	0.00	1.00	0.00
4.90	11.47	2.00	0.00	1.00	0.00	4.92	12.54	2.00	0.00	1.00	0.00
4.94	13.07	2.00	0.00	1.00	0.00	4.96	12.26	2.00	0.00	1.00	0.00
4.98	11.57	2.00	0.00	1.00	0.00	5.00	11.01	2.00	0.00	1.00	0.00
5.02	11.28	2.00	0.00	1.00	0.00	5.04	11.67	2.00	0.00	1.00	0.00
5.06	12.74	2.00	0.00	1.00	0.00	5.08	12.99	2.00	0.00	1.00	0.00
5.10	14.18	2.00	0.00	1.00	0.00	5.12	15.78	2.00	0.00	1.00	0.00
5.14	17.09	2.00	0.00	1.00	0.00	5.16	73.01	0.49	4.37	1.00	0.09
5.18	72.75	0.48	4.39	1.00	0.09	5.20	72.84	0.48	4.38	1.00	0.09
5.22	75.17	0.49	4.25	1.00	0.09	5.24	73.60	0.49	4.34	1.00	0.09
5.26	17.35	2.00	0.00	1.00	0.00	5.28	16.80	2.00	0.00	1.00	0.00
5.30	17.17	2.00	0.00	1.00	0.00	5.32	16.62	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)
5.34	15.94	2.00	0.00	1.00	0.00	5.36	16.31	2.00	0.00	1.00	0.00
5.38	16.94	2.00	0.00	1.00	0.00	5.40	16.66	2.00	0.00	1.00	0.00
5.42	16.25	2.00	0.00	1.00	0.00	5.44	15.71	2.00	0.00	1.00	0.00
5.46	15.57	2.00	0.00	1.00	0.00	5.48	16.34	2.00	0.00	1.00	0.00
5.50	17.24	2.00	0.00	1.00	0.00	5.52	73.33	0.48	4.36	1.00	0.09
5.54	73.01	0.48	4.37	1.00	0.09	5.56	72.97	0.48	4.38	1.00	0.09
5.58	72.75	0.48	4.39	1.00	0.09	5.60	72.14	0.47	4.42	1.00	0.09
5.62	73.60	0.48	4.34	1.00	0.09	5.64	75.95	0.49	4.21	1.00	0.08
5.66	78.44	0.50	4.09	1.00	0.08	5.68	79.79	0.51	4.02	1.00	0.08
5.70	80.05	0.51	4.01	1.00	0.08	5.72	79.04	0.50	4.06	1.00	0.08
5.74	78.62	0.50	4.08	1.00	0.08	5.76	78.24	0.50	4.10	1.00	0.08
5.78	77.28	0.49	4.14	1.00	0.08	5.80	75.16	0.48	4.26	1.00	0.09
5.82	71.48	0.47	4.46	1.00	0.09	5.84	67.98	0.45	4.67	1.00	0.09
5.86	64.57	0.44	4.90	1.00	0.10	5.88	60.88	0.42	5.17	1.00	0.10
5.90	59.41	0.42	5.28	1.00	0.11	5.92	61.34	0.42	5.13	1.00	0.10
5.94	64.42	0.44	4.91	1.00	0.10	5.96	68.33	0.45	4.65	1.00	0.09
5.98	71.44	0.46	4.46	1.00	0.09	6.00	73.90	0.47	4.32	1.00	0.09
6.02	74.12	0.48	4.31	1.00	0.09	6.04	74.87	0.48	4.27	1.00	0.09
6.06	75.30	0.48	4.25	1.00	0.08	6.08	75.11	0.48	4.26	1.00	0.09
6.10	78.20	0.49	4.10	1.00	0.08	6.12	81.82	0.51	3.92	1.00	0.08
6.14	83.18	0.52	3.86	1.00	0.08	6.16	81.53	0.51	3.94	1.00	0.08
6.18	78.61	0.49	4.08	1.00	0.08	6.20	76.25	0.48	4.20	1.00	0.08
6.22	74.22	0.47	4.31	1.00	0.09	6.24	73.12	0.47	4.37	1.00	0.09
6.26	73.09	0.47	4.37	1.00	0.09	6.28	73.34	0.47	4.35	1.00	0.09
6.30	74.06	0.47	4.31	1.00	0.09	6.32	74.05	0.47	4.32	1.00	0.09
6.34	73.96	0.47	4.32	1.00	0.09	6.36	73.81	0.47	4.33	1.00	0.09
6.38	73.94	0.47	4.32	1.00	0.09	6.40	73.48	0.47	4.35	1.00	0.09
6.42	73.33	0.47	4.36	1.00	0.09	6.44	72.58	0.46	4.40	1.00	0.09
6.46	73.32	0.47	4.36	1.00	0.09	6.48	75.19	0.47	4.25	1.00	0.09
6.50	77.51	0.48	4.13	1.00	0.08	6.52	78.15	0.49	4.10	1.00	0.08
6.54	18.97	2.00	0.00	1.00	0.00	6.56	16.96	2.00	0.00	1.00	0.00
6.58	17.06	2.00	0.00	1.00	0.00	6.60	17.53	2.00	0.00	1.00	0.00
6.62	17.51	2.00	0.00	1.00	0.00	6.64	18.97	2.00	0.00	1.00	0.00
6.66	22.13	2.00	0.00	1.00	0.00	6.68	86.21	0.53	3.73	1.00	0.07
6.70	91.06	0.55	3.53	1.00	0.07	6.72	92.52	0.56	3.48	1.00	0.07
6.74	89.46	0.54	3.59	1.00	0.07	6.76	86.29	0.52	3.72	1.00	0.07
6.78	82.31	0.50	3.90	1.00	0.08	6.80	77.13	0.48	4.15	1.00	0.08
6.82	71.91	0.46	4.44	1.00	0.09	6.84	70.97	0.45	4.49	1.00	0.09
6.86	71.16	0.45	4.48	1.00	0.09	6.88	72.03	0.46	4.43	1.00	0.09
6.90	73.46	0.46	4.35	1.00	0.09	6.92	74.95	0.47	4.27	1.00	0.09
6.94	75.98	0.47	4.21	1.00	0.08	6.96	76.54	0.47	4.18	1.00	0.08
6.98	76.65	0.47	4.18	1.00	0.08	7.00	76.51	0.47	4.18	1.00	0.08
7.02	76.17	0.47	4.20	1.00	0.08	7.04	76.31	0.47	4.19	1.00	0.08
7.06	76.00	0.47	4.21	1.00	0.08	7.08	75.33	0.47	4.25	1.00	0.08
7.10	75.26	0.47	4.25	1.00	0.08	7.12	74.41	0.46	4.30	1.00	0.09
7.14	74.95	0.47	4.27	1.00	0.09	7.16	74.94	0.47	4.27	1.00	0.09
7.18	76.87	0.47	4.17	1.00	0.08	7.20	76.73	0.47	4.17	1.00	0.08
7.22	75.91	0.47	4.22	1.00	0.08	7.24	74.06	0.46	4.31	1.00	0.09

:: 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)
7.26	73.09	0.46	4.37	1.00	0.09	7.28	74.35	0.46	4.30	1.00	0.09
7.30	76.59	0.47	4.18	1.00	0.08	7.32	78.43	0.48	4.09	1.00	0.08
7.34	83.65	0.50	3.84	1.00	0.08	7.36	89.28	0.53	3.60	1.00	0.07
7.38	89.58	0.54	3.59	1.00	0.07	7.40	87.16	0.52	3.69	1.00	0.07
7.42	84.69	0.51	3.79	1.00	0.08	7.44	82.52	0.50	3.89	1.00	0.08
7.46	79.95	0.49	4.01	1.00	0.08	7.48	77.39	0.47	4.14	1.00	0.08
7.50	76.09	0.47	4.21	1.00	0.08	7.52	76.33	0.47	4.19	1.00	0.08
7.54	77.26	0.47	4.14	1.00	0.08	7.56	76.69	0.47	4.17	1.00	0.08
7.58	74.51	0.46	4.29	1.00	0.09	7.60	69.69	0.44	4.57	1.00	0.09
7.62	65.88	0.43	4.81	1.00	0.10	7.64	64.61	0.42	4.90	1.00	0.10
7.66	64.23	0.42	4.92	1.00	0.10	7.68	64.71	0.42	4.89	1.00	0.10
7.70	66.14	0.43	4.79	1.00	0.10	7.72	69.62	0.44	4.57	1.00	0.09
7.74	72.17	0.45	4.42	1.00	0.09	7.76	73.06	0.45	4.37	1.00	0.09
7.78	74.68	0.46	4.28	1.00	0.09	7.80	75.15	0.46	4.26	1.00	0.09
7.82	75.93	0.47	4.21	1.00	0.08	7.84	76.56	0.47	4.18	1.00	0.08
7.86	75.56	0.46	4.23	1.00	0.08	7.88	74.47	0.46	4.29	1.00	0.09
7.90	74.62	0.46	4.28	1.00	0.09	7.92	75.65	0.46	4.23	1.00	0.08
7.94	76.40	0.47	4.19	1.00	0.08	7.96	77.37	0.47	4.14	1.00	0.08
7.98	75.84	0.46	4.22	1.00	0.08	8.00	16.01	2.00	0.00	1.00	0.00
8.02	11.56	2.00	0.00	1.00	0.00	8.04	9.55	2.00	0.00	1.00	0.00
8.06	8.49	2.00	0.00	1.00	0.00	8.08	7.89	2.00	0.00	1.00	0.00
8.10	7.42	2.00	0.00	1.00	0.00	8.12	8.07	2.00	0.00	1.00	0.00
8.14	7.48	2.00	0.00	1.00	0.00	8.16	7.35	2.00	0.00	1.00	0.00
8.18	7.23	2.00	0.00	1.00	0.00	8.20	7.01	2.00	0.00	1.00	0.00
8.22	6.89	2.00	0.00	1.00	0.00	8.24	6.74	2.00	0.00	1.00	0.00
8.26	7.44	2.00	0.00	1.00	0.00	8.28	8.15	2.00	0.00	1.00	0.00
8.30	8.72	2.00	0.00	1.00	0.00	8.32	8.83	2.00	0.00	1.00	0.00
8.34	8.47	2.00	0.00	1.00	0.00	8.36	7.66	2.00	0.00	1.00	0.00
8.38	7.42	2.00	0.00	1.00	0.00	8.40	7.64	2.00	0.00	1.00	0.00
8.42	7.64	2.00	0.00	1.00	0.00	8.44	7.40	2.00	0.00	1.00	0.00
8.46	7.29	2.00	0.00	1.00	0.00	8.48	7.17	2.00	0.00	1.00	0.00
8.50	6.93	2.00	0.00	1.00	0.00	8.52	7.16	2.00	0.00	1.00	0.00
8.54	7.15	2.00	0.00	1.00	0.00	8.56	7.27	2.00	0.00	1.00	0.00
8.58	7.26	2.00	0.00	1.00	0.00	8.60	7.14	2.00	0.00	1.00	0.00
8.62	7.14	2.00	0.00	1.00	0.00	8.64	7.14	2.00	0.00	1.00	0.00
8.66	7.25	2.00	0.00	1.00	0.00	8.68	8.04	2.00	0.00	1.00	0.00
8.70	8.72	2.00	0.00	1.00	0.00	8.72	8.14	2.00	0.00	1.00	0.00
8.74	7.47	2.00	0.00	1.00	0.00	8.76	7.13	2.00	0.00	1.00	0.00
8.78	7.36	2.00	0.00	1.00	0.00	8.80	8.37	2.00	0.00	1.00	0.00
8.82	9.84	2.00	0.00	1.00	0.00	8.84	10.86	2.00	0.00	1.00	0.00
8.86	10.96	2.00	0.00	1.00	0.00	8.88	9.83	2.00	0.00	1.00	0.00
8.90	8.69	2.00	0.00	1.00	0.00	8.92	8.46	2.00	0.00	1.00	0.00
8.94	8.67	2.00	0.00	1.00	0.00	8.96	8.45	2.00	0.00	1.00	0.00
8.98	7.77	2.00	0.00	1.00	0.00	9.00	7.76	2.00	0.00	1.00	0.00
9.02	8.09	2.00	0.00	1.00	0.00	9.04	8.42	2.00	0.00	1.00	0.00
9.06	8.76	2.00	0.00	1.00	0.00	9.08	10.96	2.00	0.00	1.00	0.00
9.10	9.04	2.00	0.00	1.00	0.00	9.12	7.35	2.00	0.00	1.00	0.00
9.14	7.23	2.00	0.00	1.00	0.00	9.16	7.34	2.00	0.00	1.00	0.00

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

Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
9.18	7.56	2.00	0.00	1.00	0.00	9.20	7.44	2.00	0.00	1.00	0.00
9.22	7.10	2.00	0.00	1.00	0.00	9.24	7.09	2.00	0.00	1.00	0.00
9.26	6.75	2.00	0.00	1.00	0.00	9.28	6.86	2.00	0.00	1.00	0.00
9.30	6.85	2.00	0.00	1.00	0.00	9.32	7.18	2.00	0.00	1.00	0.00
9.34	7.40	2.00	0.00	1.00	0.00	9.36	7.39	2.00	0.00	1.00	0.00
9.38	7.05	2.00	0.00	1.00	0.00	9.40	6.83	2.00	0.00	1.00	0.00
9.42	7.15	2.00	0.00	1.00	0.00	9.44	7.37	2.00	0.00	1.00	0.00
9.46	7.25	2.00	0.00	1.00	0.00	9.48	6.80	2.00	0.00	1.00	0.00
9.50	6.25	2.00	0.00	1.00	0.00	9.52	6.46	2.00	0.00	1.00	0.00
9.54	6.68	2.00	0.00	1.00	0.00	9.56	6.78	2.00	0.00	1.00	0.00
9.58	7.00	2.00	0.00	1.00	0.00	9.60	7.00	2.00	0.00	1.00	0.00
9.62	6.78	2.00	0.00	1.00	0.00	9.64	6.66	2.00	0.00	1.00	0.00
9.66	6.44	2.00	0.00	1.00	0.00	9.68	6.43	2.00	0.00	1.00	0.00
9.70	6.43	2.00	0.00	1.00	0.00	9.72	6.42	2.00	0.00	1.00	0.00
9.74	6.96	2.00	0.00	1.00	0.00	9.76	7.07	2.00	0.00	1.00	0.00
9.78	7.28	2.00	0.00	1.00	0.00	9.80	7.39	2.00	0.00	1.00	0.00
9.82	7.39	2.00	0.00	1.00	0.00	9.84	7.39	2.00	0.00	1.00	0.00
9.86	7.27	2.00	0.00	1.00	0.00	9.88	7.26	2.00	0.00	1.00	0.00
9.90	7.26	2.00	0.00	1.00	0.00	9.92	7.14	2.00	0.00	1.00	0.00
9.94	6.92	2.00	0.00	1.00	0.00	9.96	6.70	2.00	0.00	1.00	0.00
9.98	7.02	2.00	0.00	1.00	0.00	10.00	7.12	2.00	0.00	1.00	0.00
10.02	7.22	2.00	0.00	1.00	0.00	10.04	7.54	2.00	0.00	1.00	0.00
10.06	8.85	2.00	0.00	1.00	0.00	10.08	8.52	2.00	0.00	1.00	0.00
10.10	8.30	2.00	0.00	1.00	0.00	10.12	8.29	2.00	0.00	1.00	0.00
10.14	8.39	2.00	0.00	1.00	0.00	10.16	8.49	2.00	0.00	1.00	0.00
10.18	8.70	2.00	0.00	1.00	0.00	10.20	8.69	2.00	0.00	1.00	0.00
10.22	8.47	2.00	0.00	1.00	0.00	10.24	8.36	2.00	0.00	1.00	0.00
10.26	8.24	2.00	0.00	1.00	0.00	10.28	8.24	2.00	0.00	1.00	0.00
10.30	8.02	2.00	0.00	1.00	0.00	10.32	7.47	2.00	0.00	1.00	0.00
10.34	7.57	2.00	0.00	1.00	0.00	10.36	7.25	2.00	0.00	1.00	0.00
10.38	7.03	2.00	0.00	1.00	0.00	10.40	6.81	2.00	0.00	1.00	0.00
10.42	6.38	2.00	0.00	1.00	0.00	10.44	6.26	2.00	0.00	1.00	0.00
10.46	6.05	2.00	0.00	1.00	0.00	10.48	6.04	2.00	0.00	1.00	0.00
10.50	5.92	2.00	0.00	1.00	0.00	10.52	6.35	2.00	0.00	1.00	0.00
10.54	6.35	2.00	0.00	1.00	0.00	10.56	6.45	2.00	0.00	1.00	0.00
10.58	6.76	2.00	0.00	1.00	0.00	10.60	6.75	2.00	0.00	1.00	0.00
10.62	6.85	2.00	0.00	1.00	0.00	10.64	7.16	2.00	0.00	1.00	0.00
10.66	7.59	2.00	0.00	1.00	0.00	10.68	7.67	2.00	0.00	1.00	0.00
10.70	7.89	2.00	0.00	1.00	0.00	10.72	7.99	2.00	0.00	1.00	0.00
10.74	8.08	2.00	0.00	1.00	0.00	10.76	8.29	2.00	0.00	1.00	0.00
10.78	8.27	2.00	0.00	1.00	0.00	10.80	8.58	2.00	0.00	1.00	0.00
10.82	8.58	2.00	0.00	1.00	0.00	10.84	8.57	2.00	0.00	1.00	0.00
10.86	8.56	2.00	0.00	1.00	0.00	10.88	8.76	2.00	0.00	1.00	0.00
10.90	8.76	2.00	0.00	1.00	0.00	10.92	9.17	2.00	0.00	1.00	0.00
10.94	9.06	2.00	0.00	1.00	0.00	10.96	9.05	2.00	0.00	1.00	0.00
10.98	9.04	2.00	0.00	1.00	0.00	11.00	8.93	2.00	0.00	1.00	0.00
11.02	8.61	2.00	0.00	1.00	0.00	11.04	8.51	2.00	0.00	1.00	0.00
11.06	8.50	2.00	0.00	1.00	0.00	11.08	8.18	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.10	7.96	2.00	0.00	1.00	0.00	11.12	8.06	2.00	0.00	1.00	0.00
11.14	8.06	2.00	0.00	1.00	0.00	11.16	8.05	2.00	0.00	1.00	0.00
11.18	7.94	2.00	0.00	1.00	0.00	11.20	7.73	2.00	0.00	1.00	0.00
11.22	7.72	2.00	0.00	1.00	0.00	11.24	7.71	2.00	0.00	1.00	0.00
11.26	7.40	2.00	0.00	1.00	0.00	11.28	6.98	2.00	0.00	1.00	0.00
11.30	6.66	2.00	0.00	1.00	0.00	11.32	6.25	2.00	0.00	1.00	0.00
11.34	6.14	2.00	0.00	1.00	0.00	11.36	6.34	2.00	0.00	1.00	0.00
11.38	6.54	2.00	0.00	1.00	0.00	11.40	6.64	2.00	0.00	1.00	0.00
11.42	6.94	2.00	0.00	1.00	0.00	11.44	7.25	2.00	0.00	1.00	0.00
11.46	7.24	2.00	0.00	1.00	0.00	11.48	6.83	2.00	0.00	1.00	0.00
11.50	7.13	2.00	0.00	1.00	0.00	11.52	7.43	2.00	0.00	1.00	0.00
11.54	7.14	2.00	0.00	1.00	0.00	11.56	7.13	2.00	0.00	1.00	0.00
11.58	6.93	2.00	0.00	1.00	0.00	11.60	6.82	2.00	0.00	1.00	0.00
11.62	7.22	2.00	0.00	1.00	0.00	11.64	7.93	2.00	0.00	1.00	0.00
11.66	8.74	2.00	0.00	1.00	0.00	11.68	9.04	2.00	0.00	1.00	0.00
11.70	9.55	2.00	0.00	1.00	0.00	11.72	9.55	2.00	0.00	1.00	0.00
11.74	8.93	2.00	0.00	1.00	0.00	11.76	7.81	2.00	0.00	1.00	0.00
11.78	7.09	2.00	0.00	1.00	0.00	11.80	6.68	2.00	0.00	1.00	0.00
11.82	7.29	2.00	0.00	1.00	0.00	11.84	8.19	2.00	0.00	1.00	0.00
11.86	10.12	2.00	0.00	1.00	0.00	11.88	12.85	2.00	0.00	1.00	0.00
11.90	14.36	2.00	0.00	1.00	0.00	11.92	13.24	2.00	0.00	1.00	0.00
11.94	10.90	2.00	0.00	1.00	0.00	11.96	8.87	2.00	0.00	1.00	0.00
11.98	7.66	2.00	0.00	1.00	0.00	12.00	7.26	2.00	0.00	1.00	0.00
12.02	6.25	2.00	0.00	1.00	0.00	12.04	8.27	2.00	0.00	1.00	0.00
12.06	7.76	2.00	0.00	1.00	0.00	12.08	8.16	2.00	0.00	1.00	0.00
12.10	8.66	2.00	0.00	1.00	0.00	12.12	8.75	2.00	0.00	1.00	0.00
12.14	8.45	2.00	0.00	1.00	0.00	12.16	8.44	2.00	0.00	1.00	0.00
12.18	8.73	2.00	0.00	1.00	0.00	12.20	9.43	2.00	0.00	1.00	0.00
12.22	9.92	2.00	0.00	1.00	0.00	12.24	9.72	2.00	0.00	1.00	0.00
12.26	10.11	2.00	0.00	1.00	0.00	12.28	9.70	2.00	0.00	1.00	0.00
12.30	9.29	2.00	0.00	1.00	0.00	12.32	8.79	2.00	0.00	1.00	0.00
12.34	8.78	2.00	0.00	1.00	0.00	12.36	8.77	2.00	0.00	1.00	0.00
12.38	8.57	2.00	0.00	1.00	0.00	12.40	7.77	2.00	0.00	1.00	0.00
12.42	7.86	2.00	0.00	1.00	0.00	12.44	8.23	2.00	0.00	1.00	0.00
12.46	8.92	2.00	0.00	1.00	0.00	12.48	9.63	2.00	0.00	1.00	0.00
12.50	9.31	2.00	0.00	1.00	0.00	12.52	9.20	2.00	0.00	1.00	0.00
12.54	9.29	2.00	0.00	1.00	0.00	12.56	9.29	2.00	0.00	1.00	0.00
12.58	8.87	2.00	0.00	1.00	0.00	12.60	8.67	2.00	0.00	1.00	0.00
12.62	8.56	2.00	0.00	1.00	0.00	12.64	8.26	2.00	0.00	1.00	0.00
12.66	8.16	2.00	0.00	1.00	0.00	12.68	7.95	2.00	0.00	1.00	0.00
12.70	8.05	2.00	0.00	1.00	0.00	12.72	8.24	2.00	0.00	1.00	0.00
12.74	8.13	2.00	0.00	1.00	0.00	12.76	8.21	2.00	0.00	1.00	0.00
12.78	8.21	2.00	0.00	1.00	0.00	12.80	8.01	2.00	0.00	1.00	0.00
12.82	7.71	2.00	0.00	1.00	0.00	12.84	7.50	2.00	0.00	1.00	0.00
12.86	7.29	2.00	0.00	1.00	0.00	12.88	6.99	2.00	0.00	1.00	0.00
12.90	6.79	2.00	0.00	1.00	0.00	12.92	6.59	2.00	0.00	1.00	0.00
12.94	7.47	2.00	0.00	1.00	0.00	12.96	7.54	2.00	0.00	1.00	0.00
12.98	7.63	2.00	0.00	1.00	0.00	13.00	7.82	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.02	7.45	2.00	0.00	1.00	0.00	13.04	7.36	2.00	0.00	1.00	0.00
13.06	7.45	2.00	0.00	1.00	0.00	13.08	7.44	2.00	0.00	1.00	0.00
13.10	7.34	2.00	0.00	1.00	0.00	13.12	6.95	2.00	0.00	1.00	0.00
13.14	6.93	2.00	0.00	1.00	0.00	13.16	7.41	2.00	0.00	1.00	0.00
13.18	7.41	2.00	0.00	1.00	0.00	13.20	7.40	2.00	0.00	1.00	0.00
13.22	7.78	2.00	0.00	1.00	0.00	13.24	8.26	2.00	0.00	1.00	0.00
13.26	8.64	2.00	0.00	1.00	0.00	13.28	9.01	2.00	0.00	1.00	0.00
13.30	8.91	2.00	0.00	1.00	0.00	13.32	8.61	2.00	0.00	1.00	0.00
13.34	8.51	2.00	0.00	1.00	0.00	13.36	8.60	2.00	0.00	1.00	0.00
13.38	8.88	2.00	0.00	1.00	0.00	13.40	8.78	2.00	0.00	1.00	0.00
13.42	8.97	2.00	0.00	1.00	0.00	13.44	8.86	2.00	0.00	1.00	0.00
13.46	9.24	2.00	0.00	1.00	0.00	13.48	9.04	2.00	0.00	1.00	0.00
13.50	9.04	2.00	0.00	1.00	0.00	13.52	8.74	2.00	0.00	1.00	0.00
13.54	8.72	2.00	0.00	1.00	0.00	13.56	8.42	2.00	0.00	1.00	0.00
13.58	8.70	2.00	0.00	1.00	0.00	13.60	8.70	2.00	0.00	1.00	0.00
13.62	8.79	2.00	0.00	1.00	0.00	13.64	9.26	2.00	0.00	1.00	0.00
13.66	9.35	2.00	0.00	1.00	0.00	13.68	9.44	2.00	0.00	1.00	0.00
13.70	9.71	2.00	0.00	1.00	0.00	13.72	9.42	2.00	0.00	1.00	0.00
13.74	9.32	2.00	0.00	1.00	0.00	13.76	9.12	2.00	0.00	1.00	0.00
13.78	9.12	2.00	0.00	1.00	0.00	13.80	8.83	2.00	0.00	1.00	0.00
13.82	8.82	2.00	0.00	1.00	0.00	13.84	9.19	2.00	0.00	1.00	0.00
13.86	9.28	2.00	0.00	1.00	0.00	13.88	9.65	2.00	0.00	1.00	0.00
13.90	9.46	2.00	0.00	1.00	0.00	13.92	9.07	2.00	0.00	1.00	0.00
13.94	8.69	2.00	0.00	1.00	0.00	13.96	7.65	2.00	0.00	1.00	0.00
13.98	7.78	2.00	0.00	1.00	0.00	14.00	7.30	2.00	0.00	1.00	0.00
14.02	7.02	2.00	0.00	1.00	0.00	14.04	6.64	2.00	0.00	1.00	0.00
14.06	6.35	2.00	0.00	1.00	0.00	14.08	6.63	2.00	0.00	1.00	0.00
14.10	7.11	2.00	0.00	1.00	0.00	14.12	7.18	2.00	0.00	1.00	0.00
14.14	7.18	2.00	0.00	1.00	0.00	14.16	6.71	2.00	0.00	1.00	0.00
14.18	6.33	2.00	0.00	1.00	0.00	14.20	6.70	2.00	0.00	1.00	0.00
14.22	7.07	2.00	0.00	1.00	0.00	14.24	7.06	2.00	0.00	1.00	0.00
14.26	7.06	2.00	0.00	1.00	0.00	14.28	7.35	2.00	0.00	1.00	0.00
14.30	7.81	2.00	0.00	1.00	0.00	14.32	7.72	2.00	0.00	1.00	0.00
14.34	7.34	2.00	0.00	1.00	0.00	14.36	6.96	2.00	0.00	1.00	0.00
14.38	6.77	2.00	0.00	1.00	0.00	14.40	7.05	2.00	0.00	1.00	0.00
14.42	8.07	2.00	0.00	1.00	0.00	14.44	8.34	2.00	0.00	1.00	0.00
14.46	8.72	2.00	0.00	1.00	0.00	14.48	8.99	2.00	0.00	1.00	0.00
14.50	8.99	2.00	0.00	1.00	0.00	14.52	8.70	2.00	0.00	1.00	0.00
14.54	8.05	2.00	0.00	1.00	0.00	14.56	7.67	2.00	0.00	1.00	0.00
14.58	7.57	2.00	0.00	1.00	0.00	14.60	7.57	2.00	0.00	1.00	0.00
14.62	7.56	2.00	0.00	1.00	0.00	14.64	7.74	2.00	0.00	1.00	0.00
14.66	8.12	2.00	0.00	1.00	0.00	14.68	8.21	2.00	0.00	1.00	0.00
14.70	8.12	2.00	0.00	1.00	0.00	14.72	7.73	2.00	0.00	1.00	0.00
14.74	7.45	2.00	0.00	1.00	0.00	14.76	7.09	2.00	0.00	1.00	0.00
14.78	6.72	2.00	0.00	1.00	0.00	14.80	6.99	2.00	0.00	1.00	0.00
14.82	7.26	2.00	0.00	1.00	0.00	14.84	7.90	2.00	0.00	1.00	0.00
14.86	8.26	2.00	0.00	1.00	0.00	14.88	8.25	2.00	0.00	1.00	0.00
14.90	8.07	2.00	0.00	1.00	0.00	14.92	7.88	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)
14.94	8.61	2.00	0.00	1.00	0.00	14.96	7.60	2.00	0.00	1.00	0.00
14.98	7.69	2.00	0.00	1.00	0.00	15.00	7.59	2.00	0.00	1.00	0.00
Total estimated settlement: 17.09											

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

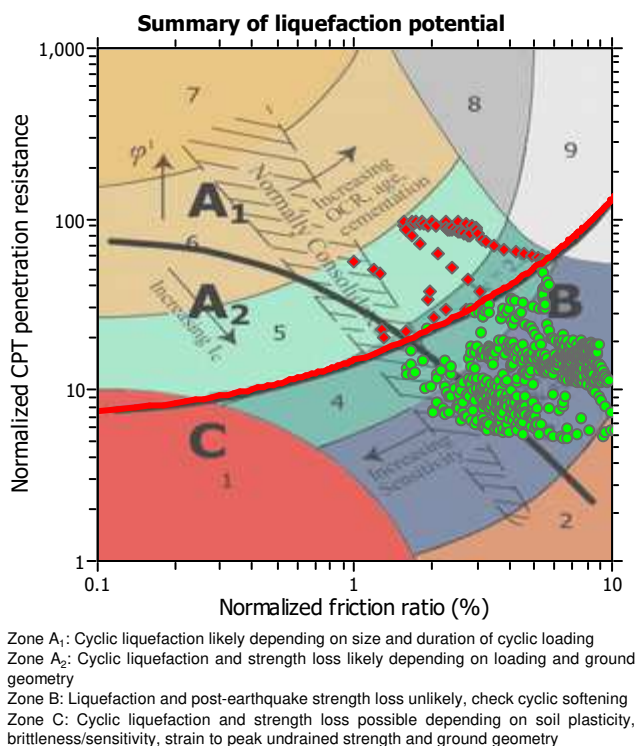
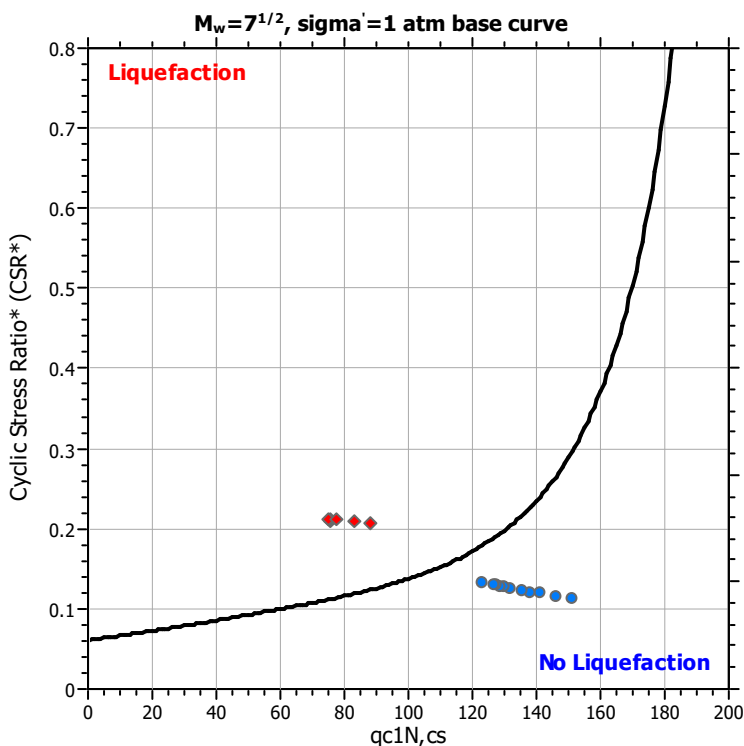
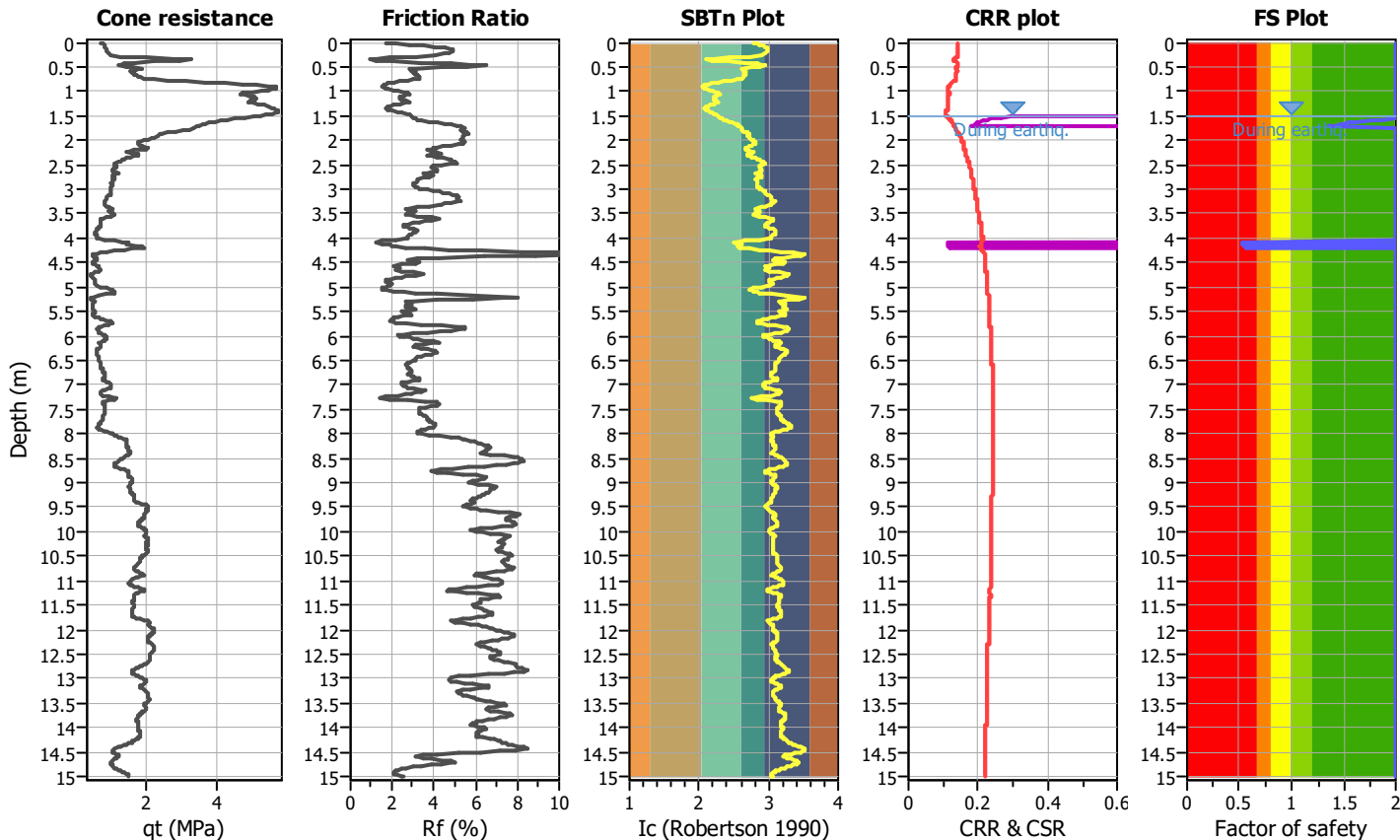
Project title :

Location :

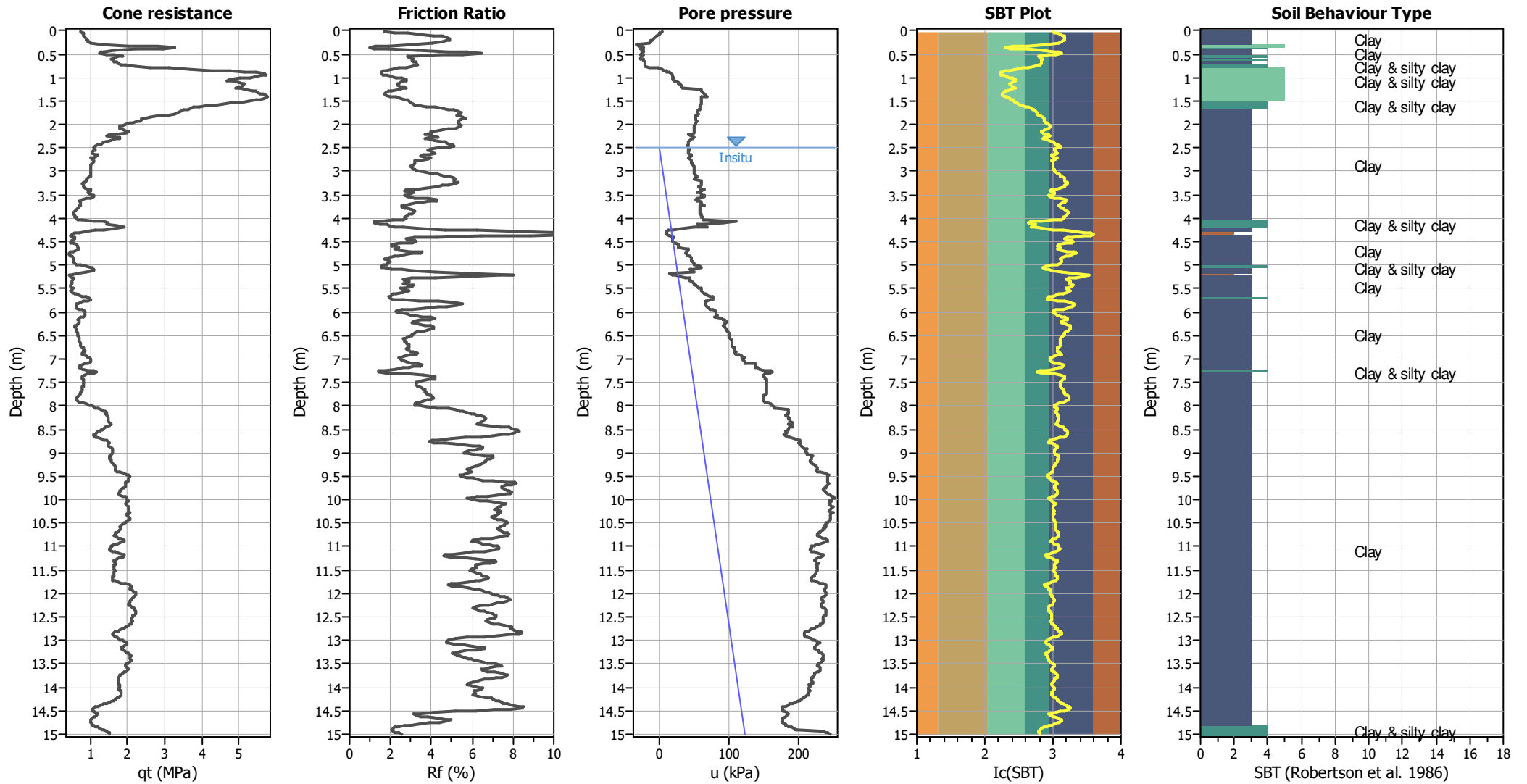
CPT file : cptu7

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



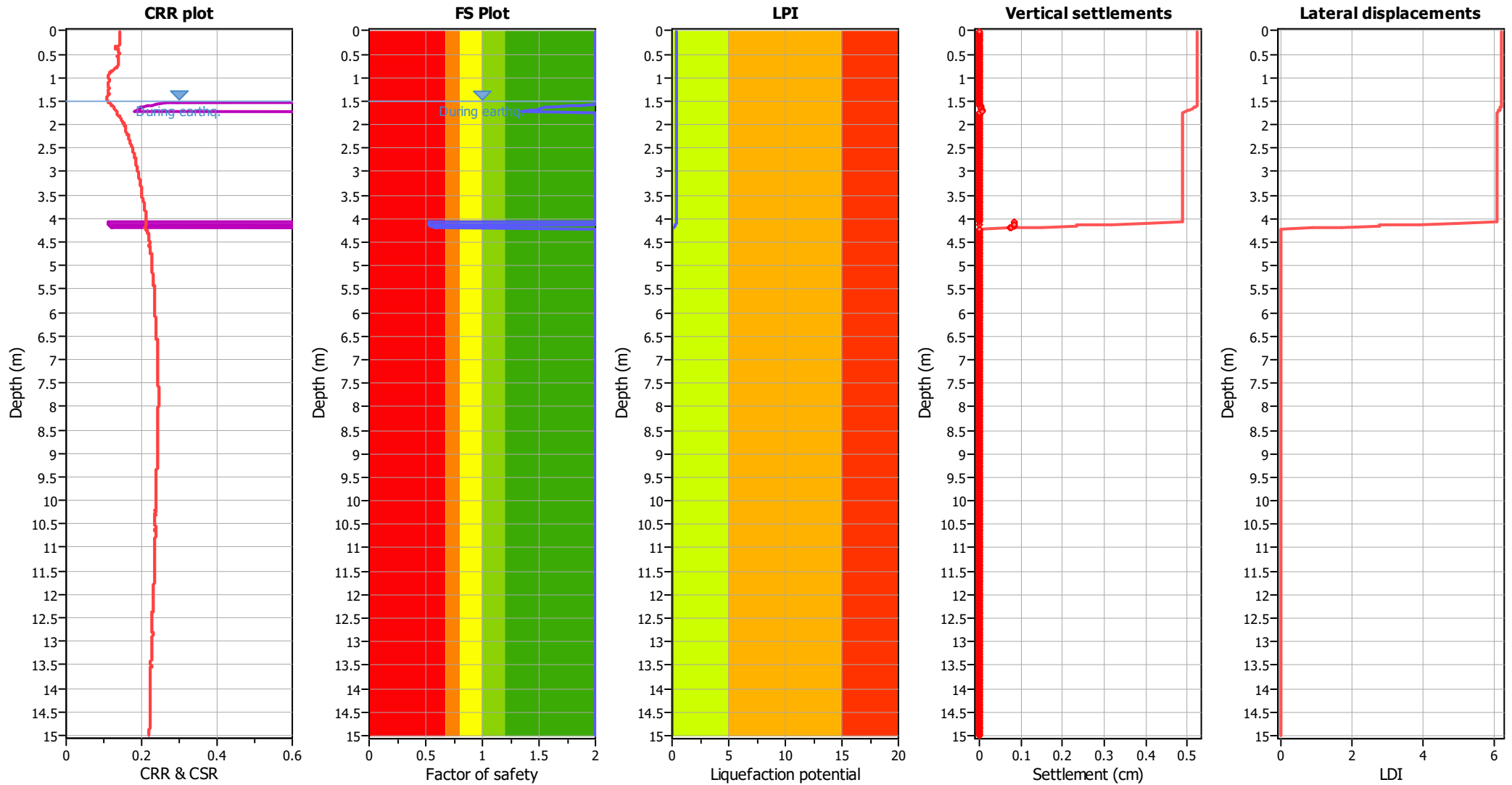
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.30	2.00	0.00	9.85	0.04	0.00
0.32	2.00	0.00	9.84	0.02	0.00	0.34	2.00	0.00	9.83	0.02	0.00
0.36	2.00	0.00	9.82	0.02	0.00	0.38	2.00	0.00	9.81	0.02	0.00
0.40	2.00	0.00	9.80	0.02	0.00	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	1.87	0.00	9.21	0.02	0.00
1.60	1.77	0.00	9.20	0.02	0.00	1.62	1.63	0.00	9.19	0.02	0.00
1.64	1.56	0.00	9.18	0.02	0.00	1.66	1.52	0.00	9.17	0.02	0.00
1.68	1.48	0.00	9.16	0.02	0.00	1.70	1.44	0.00	9.15	0.02	0.00
1.72	1.35	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.96	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	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	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	2.00	0.00	8.47	0.02	0.00
3.08	2.00	0.00	8.46	0.02	0.00	3.10	2.00	0.00	8.45	0.02	0.00
3.12	2.00	0.00	8.44	0.02	0.00	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	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	0.53	0.47	7.96	0.02	0.07	4.10	0.53	0.47	7.95	0.02	0.07
4.12	0.53	0.47	7.94	0.02	0.07	4.14	2.00	0.00	7.93	0.02	0.00
4.16	0.54	0.46	7.92	0.02	0.07	4.18	0.60	0.40	7.91	0.02	0.06
4.20	0.57	0.43	7.90	0.02	0.07	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	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
5.18	2.00	0.00	7.41	0.04	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.82	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.74	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	8.12	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.66	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
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

:: 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
11.58	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
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

:: 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
13.50	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
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	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: 0.43

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

:: 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)
1.50	153.78	2.00	0.00	1.00	0.00	1.52	151.16	2.00	0.00	1.00	0.00
1.54	146.25	2.00	0.00	1.00	0.00	1.56	141.05	2.00	0.00	1.00	0.00
1.58	137.96	1.87	0.05	1.00	0.00	1.60	135.64	1.77	0.10	1.00	0.00
1.62	132.01	1.63	0.18	1.00	0.00	1.64	129.89	1.56	0.23	1.00	0.00
1.66	128.91	1.52	0.25	1.00	0.01	1.68	127.76	1.48	0.29	1.00	0.01
1.70	126.60	1.44	0.32	1.00	0.01	1.72	123.36	1.35	0.41	1.00	0.01
1.74	55.65	2.00	0.00	1.00	0.00	1.76	55.23	2.00	0.00	1.00	0.00
1.78	54.02	2.00	0.00	1.00	0.00	1.80	51.58	2.00	0.00	1.00	0.00
1.82	45.99	2.00	0.00	1.00	0.00	1.84	42.87	2.00	0.00	1.00	0.00
1.86	40.55	2.00	0.00	1.00	0.00	1.88	39.19	2.00	0.00	1.00	0.00
1.90	39.12	2.00	0.00	1.00	0.00	1.92	38.75	2.00	0.00	1.00	0.00
1.94	36.98	2.00	0.00	1.00	0.00	1.96	35.34	2.00	0.00	1.00	0.00
1.98	33.73	2.00	0.00	1.00	0.00	2.00	32.07	2.00	0.00	1.00	0.00
2.02	30.13	2.00	0.00	1.00	0.00	2.04	29.31	2.00	0.00	1.00	0.00
2.06	28.84	2.00	0.00	1.00	0.00	2.08	28.70	2.00	0.00	1.00	0.00
2.10	29.36	2.00	0.00	1.00	0.00	2.12	30.68	2.00	0.00	1.00	0.00
2.14	32.11	2.00	0.00	1.00	0.00	2.16	32.43	2.00	0.00	1.00	0.00
2.18	31.98	2.00	0.00	1.00	0.00	2.20	29.65	2.00	0.00	1.00	0.00
2.22	18.31	2.00	0.00	1.00	0.00	2.24	24.15	2.00	0.00	1.00	0.00
2.26	26.26	2.00	0.00	1.00	0.00	2.28	28.82	2.00	0.00	1.00	0.00
2.30	28.41	2.00	0.00	1.00	0.00	2.32	26.12	2.00	0.00	1.00	0.00
2.34	23.82	2.00	0.00	1.00	0.00	2.36	22.61	2.00	0.00	1.00	0.00
2.38	21.26	2.00	0.00	1.00	0.00	2.40	20.68	2.00	0.00	1.00	0.00
2.42	19.96	2.00	0.00	1.00	0.00	2.44	18.47	2.00	0.00	1.00	0.00
2.46	16.82	2.00	0.00	1.00	0.00	2.48	16.26	2.00	0.00	1.00	0.00
2.50	16.67	2.00	0.00	1.00	0.00	2.52	17.73	2.00	0.00	1.00	0.00
2.54	17.55	2.00	0.00	1.00	0.00	2.56	16.74	2.00	0.00	1.00	0.00
2.58	15.93	2.00	0.00	1.00	0.00	2.60	15.90	2.00	0.00	1.00	0.00
2.62	15.72	2.00	0.00	1.00	0.00	2.64	16.31	2.00	0.00	1.00	0.00
2.66	18.74	2.00	0.00	1.00	0.00	2.68	18.41	2.00	0.00	1.00	0.00
2.70	15.76	2.00	0.00	1.00	0.00	2.72	14.49	2.00	0.00	1.00	0.00
2.74	15.54	2.00	0.00	1.00	0.00	2.76	16.61	2.00	0.00	1.00	0.00
2.78	16.11	2.00	0.00	1.00	0.00	2.80	16.08	2.00	0.00	1.00	0.00
2.82	15.60	2.00	0.00	1.00	0.00	2.84	15.73	2.00	0.00	1.00	0.00
2.86	15.40	2.00	0.00	1.00	0.00	2.88	14.61	2.00	0.00	1.00	0.00
2.90	15.04	2.00	0.00	1.00	0.00	2.92	15.48	2.00	0.00	1.00	0.00
2.94	14.99	2.00	0.00	1.00	0.00	2.96	14.36	2.00	0.00	1.00	0.00
2.98	14.94	2.00	0.00	1.00	0.00	3.00	14.60	2.00	0.00	1.00	0.00
3.02	15.02	2.00	0.00	1.00	0.00	3.04	14.39	2.00	0.00	1.00	0.00
3.06	14.52	2.00	0.00	1.00	0.00	3.08	14.79	2.00	0.00	1.00	0.00
3.10	14.76	2.00	0.00	1.00	0.00	3.12	14.29	2.00	0.00	1.00	0.00
3.14	13.36	2.00	0.00	1.00	0.00	3.16	12.74	2.00	0.00	1.00	0.00
3.18	12.72	2.00	0.00	1.00	0.00	3.20	13.42	2.00	0.00	1.00	0.00
3.22	12.50	2.00	0.00	1.00	0.00	3.24	11.73	2.00	0.00	1.00	0.00
3.26	10.96	2.00	0.00	1.00	0.00	3.28	11.54	2.00	0.00	1.00	0.00
3.30	12.12	2.00	0.00	1.00	0.00	3.32	11.36	2.00	0.00	1.00	0.00
3.34	11.34	2.00	0.00	1.00	0.00	3.36	11.77	2.00	0.00	1.00	0.00
3.38	13.83	2.00	0.00	1.00	0.00	3.40	14.85	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)
3.42	14.54	2.00	0.00	1.00	0.00	3.44	13.77	2.00	0.00	1.00	0.00
3.46	13.31	2.00	0.00	1.00	0.00	3.48	13.00	2.00	0.00	1.00	0.00
3.50	14.45	2.00	0.00	1.00	0.00	3.52	16.03	2.00	0.00	1.00	0.00
3.54	16.00	2.00	0.00	1.00	0.00	3.56	14.22	2.00	0.00	1.00	0.00
3.58	12.14	2.00	0.00	1.00	0.00	3.60	10.50	2.00	0.00	1.00	0.00
3.62	9.90	2.00	0.00	1.00	0.00	3.64	10.18	2.00	0.00	1.00	0.00
3.66	9.87	2.00	0.00	1.00	0.00	3.68	10.15	2.00	0.00	1.00	0.00
3.70	10.14	2.00	0.00	1.00	0.00	3.72	10.11	2.00	0.00	1.00	0.00
3.74	9.80	2.00	0.00	1.00	0.00	3.76	9.35	2.00	0.00	1.00	0.00
3.78	9.34	2.00	0.00	1.00	0.00	3.80	8.89	2.00	0.00	1.00	0.00
3.82	8.73	2.00	0.00	1.00	0.00	3.84	7.98	2.00	0.00	1.00	0.00
3.86	7.83	2.00	0.00	1.00	0.00	3.88	7.67	2.00	0.00	1.00	0.00
3.90	7.51	2.00	0.00	1.00	0.00	3.92	7.80	2.00	0.00	1.00	0.00
3.94	7.64	2.00	0.00	1.00	0.00	3.96	8.36	2.00	0.00	1.00	0.00
3.98	8.49	2.00	0.00	1.00	0.00	4.00	8.34	2.00	0.00	1.00	0.00
4.02	8.46	2.00	0.00	1.00	0.00	4.04	9.63	2.00	0.00	1.00	0.00
4.06	14.21	2.00	0.00	1.00	0.00	4.08	75.46	0.53	4.24	1.00	0.08
4.10	75.56	0.53	4.23	1.00	0.08	4.12	75.21	0.53	4.25	1.00	0.09
4.14	18.09	2.00	0.00	1.00	0.00	4.16	77.41	0.54	4.14	1.00	0.08
4.18	88.32	0.60	3.64	1.00	0.07	4.20	83.41	0.57	3.85	1.00	0.08
4.22	21.13	2.00	0.00	1.00	0.00	4.24	18.46	2.00	0.00	1.00	0.00
4.26	15.10	2.00	0.00	1.00	0.00	4.28	11.45	2.00	0.00	1.00	0.00
4.30	9.32	2.00	0.00	1.00	0.00	4.32	7.32	2.00	0.00	1.00	0.00
4.34	6.59	2.00	0.00	1.00	0.00	4.36	5.87	2.00	0.00	1.00	0.00
4.38	6.56	2.00	0.00	1.00	0.00	4.40	6.98	2.00	0.00	1.00	0.00
4.42	8.39	2.00	0.00	1.00	0.00	4.44	8.08	2.00	0.00	1.00	0.00
4.46	7.37	2.00	0.00	1.00	0.00	4.48	6.50	2.00	0.00	1.00	0.00
4.50	5.92	2.00	0.00	1.00	0.00	4.52	5.92	2.00	0.00	1.00	0.00
4.54	6.90	2.00	0.00	1.00	0.00	4.56	8.69	2.00	0.00	1.00	0.00
4.58	9.23	2.00	0.00	1.00	0.00	4.60	8.39	2.00	0.00	1.00	0.00
4.62	8.24	2.00	0.00	1.00	0.00	4.64	9.20	2.00	0.00	1.00	0.00
4.66	9.61	2.00	0.00	1.00	0.00	4.68	8.62	2.00	0.00	1.00	0.00
4.70	6.81	2.00	0.00	1.00	0.00	4.72	5.96	2.00	0.00	1.00	0.00
4.74	5.53	2.00	0.00	1.00	0.00	4.76	5.53	2.00	0.00	1.00	0.00
4.78	5.66	2.00	0.00	1.00	0.00	4.80	5.93	2.00	0.00	1.00	0.00
4.82	6.62	2.00	0.00	1.00	0.00	4.84	6.78	2.00	0.00	1.00	0.00
4.86	7.16	2.00	0.00	1.00	0.00	4.88	7.18	2.00	0.00	1.00	0.00
4.90	7.03	2.00	0.00	1.00	0.00	4.92	6.75	2.00	0.00	1.00	0.00
4.94	7.16	2.00	0.00	1.00	0.00	4.96	7.29	2.00	0.00	1.00	0.00
4.98	7.83	2.00	0.00	1.00	0.00	5.00	8.65	2.00	0.00	1.00	0.00
5.02	11.65	2.00	0.00	1.00	0.00	5.04	13.40	2.00	0.00	1.00	0.00
5.06	13.38	2.00	0.00	1.00	0.00	5.08	13.22	2.00	0.00	1.00	0.00
5.10	14.00	2.00	0.00	1.00	0.00	5.12	14.11	2.00	0.00	1.00	0.00
5.14	13.43	2.00	0.00	1.00	0.00	5.18	6.58	2.00	0.00	1.00	0.00
5.20	5.90	2.00	0.00	1.00	0.00	5.22	5.21	2.00	0.00	1.00	0.00
5.24	5.47	2.00	0.00	1.00	0.00	5.26	6.42	2.00	0.00	1.00	0.00
5.28	6.95	2.00	0.00	1.00	0.00	5.30	6.94	2.00	0.00	1.00	0.00
5.32	6.26	2.00	0.00	1.00	0.00	5.34	5.85	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)
5.36	6.25	2.00	0.00	1.00	0.00	5.38	6.24	2.00	0.00	1.00	0.00
5.40	6.23	2.00	0.00	1.00	0.00	5.42	5.96	2.00	0.00	1.00	0.00
5.44	5.68	2.00	0.00	1.00	0.00	5.46	5.95	2.00	0.00	1.00	0.00
5.48	6.48	2.00	0.00	1.00	0.00	5.50	6.87	2.00	0.00	1.00	0.00
5.52	6.60	2.00	0.00	1.00	0.00	5.54	5.92	2.00	0.00	1.00	0.00
5.56	5.78	2.00	0.00	1.00	0.00	5.58	6.18	2.00	0.00	1.00	0.00
5.60	6.97	2.00	0.00	1.00	0.00	5.62	7.76	2.00	0.00	1.00	0.00
5.64	8.54	2.00	0.00	1.00	0.00	5.66	9.85	2.00	0.00	1.00	0.00
5.68	10.76	2.00	0.00	1.00	0.00	5.70	12.32	2.00	0.00	1.00	0.00
5.72	12.82	2.00	0.00	1.00	0.00	5.74	12.54	2.00	0.00	1.00	0.00
5.76	11.37	2.00	0.00	1.00	0.00	5.78	9.92	2.00	0.00	1.00	0.00
5.80	8.73	2.00	0.00	1.00	0.00	5.82	8.20	2.00	0.00	1.00	0.00
5.84	7.54	2.00	0.00	1.00	0.00	5.86	7.53	2.00	0.00	1.00	0.00
5.88	7.65	2.00	0.00	1.00	0.00	5.90	7.64	2.00	0.00	1.00	0.00
5.92	7.50	2.00	0.00	1.00	0.00	5.94	8.14	2.00	0.00	1.00	0.00
5.96	9.30	2.00	0.00	1.00	0.00	5.98	10.71	2.00	0.00	1.00	0.00
6.00	10.57	2.00	0.00	1.00	0.00	6.02	9.90	2.00	0.00	1.00	0.00
6.04	10.42	2.00	0.00	1.00	0.00	6.06	10.27	2.00	0.00	1.00	0.00
6.08	10.00	2.00	0.00	1.00	0.00	6.10	9.86	2.00	0.00	1.00	0.00
6.12	8.96	2.00	0.00	1.00	0.00	6.14	7.69	2.00	0.00	1.00	0.00
6.16	8.07	2.00	0.00	1.00	0.00	6.18	8.19	2.00	0.00	1.00	0.00
6.20	8.56	2.00	0.00	1.00	0.00	6.22	8.55	2.00	0.00	1.00	0.00
6.24	8.29	2.00	0.00	1.00	0.00	6.26	7.77	2.00	0.00	1.00	0.00
6.28	7.12	2.00	0.00	1.00	0.00	6.30	6.98	2.00	0.00	1.00	0.00
6.32	6.85	2.00	0.00	1.00	0.00	6.34	7.10	2.00	0.00	1.00	0.00
6.36	7.34	2.00	0.00	1.00	0.00	6.38	7.08	2.00	0.00	1.00	0.00
6.40	7.33	2.00	0.00	1.00	0.00	6.42	7.45	2.00	0.00	1.00	0.00
6.44	7.44	2.00	0.00	1.00	0.00	6.46	7.68	2.00	0.00	1.00	0.00
6.48	7.68	2.00	0.00	1.00	0.00	6.50	7.67	2.00	0.00	1.00	0.00
6.52	7.66	2.00	0.00	1.00	0.00	6.54	8.03	2.00	0.00	1.00	0.00
6.56	8.27	2.00	0.00	1.00	0.00	6.58	8.27	2.00	0.00	1.00	0.00
6.60	8.13	2.00	0.00	1.00	0.00	6.62	8.12	2.00	0.00	1.00	0.00
6.64	8.37	2.00	0.00	1.00	0.00	6.66	8.36	2.00	0.00	1.00	0.00
6.68	8.62	2.00	0.00	1.00	0.00	6.70	8.61	2.00	0.00	1.00	0.00
6.72	8.71	2.00	0.00	1.00	0.00	6.74	8.84	2.00	0.00	1.00	0.00
6.76	9.21	2.00	0.00	1.00	0.00	6.78	9.57	2.00	0.00	1.00	0.00
6.80	9.56	2.00	0.00	1.00	0.00	6.82	9.43	2.00	0.00	1.00	0.00
6.84	10.03	2.00	0.00	1.00	0.00	6.86	9.53	2.00	0.00	1.00	0.00
6.88	8.53	2.00	0.00	1.00	0.00	6.90	8.52	2.00	0.00	1.00	0.00
6.92	9.25	2.00	0.00	1.00	0.00	6.94	10.24	2.00	0.00	1.00	0.00
6.96	10.60	2.00	0.00	1.00	0.00	6.98	11.32	2.00	0.00	1.00	0.00
7.00	11.31	2.00	0.00	1.00	0.00	7.02	11.42	2.00	0.00	1.00	0.00
7.04	11.53	2.00	0.00	1.00	0.00	7.06	11.40	2.00	0.00	1.00	0.00
7.08	10.90	2.00	0.00	1.00	0.00	7.10	9.36	2.00	0.00	1.00	0.00
7.12	8.25	2.00	0.00	1.00	0.00	7.14	7.99	2.00	0.00	1.00	0.00
7.16	7.50	2.00	0.00	1.00	0.00	7.18	7.73	2.00	0.00	1.00	0.00
7.20	7.85	2.00	0.00	1.00	0.00	7.22	8.21	2.00	0.00	1.00	0.00
7.24	9.90	2.00	0.00	1.00	0.00	7.26	12.68	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)
7.28	13.76	2.00	0.00	1.00	0.00	7.30	12.41	2.00	0.00	1.00	0.00
7.32	10.46	2.00	0.00	1.00	0.00	7.34	8.64	2.00	0.00	1.00	0.00
7.36	8.63	2.00	0.00	1.00	0.00	7.38	8.74	2.00	0.00	1.00	0.00
7.40	8.74	2.00	0.00	1.00	0.00	7.42	8.73	2.00	0.00	1.00	0.00
7.44	8.72	2.00	0.00	1.00	0.00	7.46	8.95	2.00	0.00	1.00	0.00
7.48	8.70	2.00	0.00	1.00	0.00	7.50	8.93	2.00	0.00	1.00	0.00
7.52	8.68	2.00	0.00	1.00	0.00	7.54	8.89	2.00	0.00	1.00	0.00
7.56	8.88	2.00	0.00	1.00	0.00	7.58	8.87	2.00	0.00	1.00	0.00
7.60	8.63	2.00	0.00	1.00	0.00	7.62	8.38	2.00	0.00	1.00	0.00
7.64	8.37	2.00	0.00	1.00	0.00	7.66	8.24	2.00	0.00	1.00	0.00
7.68	8.23	2.00	0.00	1.00	0.00	7.70	8.34	2.00	0.00	1.00	0.00
7.72	7.98	2.00	0.00	1.00	0.00	7.74	7.73	2.00	0.00	1.00	0.00
7.76	7.73	2.00	0.00	1.00	0.00	7.78	7.24	2.00	0.00	1.00	0.00
7.80	7.00	2.00	0.00	1.00	0.00	7.82	6.87	2.00	0.00	1.00	0.00
7.84	6.63	2.00	0.00	1.00	0.00	7.86	6.62	2.00	0.00	1.00	0.00
7.88	6.62	2.00	0.00	1.00	0.00	7.90	6.97	2.00	0.00	1.00	0.00
7.92	7.43	2.00	0.00	1.00	0.00	7.94	8.48	2.00	0.00	1.00	0.00
7.96	9.65	2.00	0.00	1.00	0.00	7.98	10.69	2.00	0.00	1.00	0.00
8.00	11.27	2.00	0.00	1.00	0.00	8.02	11.72	2.00	0.00	1.00	0.00
8.04	12.29	2.00	0.00	1.00	0.00	8.06	12.63	2.00	0.00	1.00	0.00
8.08	13.82	2.00	0.00	1.00	0.00	8.10	14.73	2.00	0.00	1.00	0.00
8.12	15.29	2.00	0.00	1.00	0.00	8.14	15.27	2.00	0.00	1.00	0.00
8.16	15.13	2.00	0.00	1.00	0.00	8.18	15.00	2.00	0.00	1.00	0.00
8.20	15.32	2.00	0.00	1.00	0.00	8.22	15.31	2.00	0.00	1.00	0.00
8.24	15.86	2.00	0.00	1.00	0.00	8.26	15.38	2.00	0.00	1.00	0.00
8.28	15.59	2.00	0.00	1.00	0.00	8.30	15.55	2.00	0.00	1.00	0.00
8.32	15.76	2.00	0.00	1.00	0.00	8.34	15.73	2.00	0.00	1.00	0.00
8.36	15.83	2.00	0.00	1.00	0.00	8.38	16.71	2.00	0.00	1.00	0.00
8.40	16.81	2.00	0.00	1.00	0.00	8.42	15.87	2.00	0.00	1.00	0.00
8.44	15.17	2.00	0.00	1.00	0.00	8.46	14.46	2.00	0.00	1.00	0.00
8.48	14.20	2.00	0.00	1.00	0.00	8.50	13.84	2.00	0.00	1.00	0.00
8.52	13.14	2.00	0.00	1.00	0.00	8.54	12.89	2.00	0.00	1.00	0.00
8.56	12.30	2.00	0.00	1.00	0.00	8.58	11.84	2.00	0.00	1.00	0.00
8.60	11.59	2.00	0.00	1.00	0.00	8.62	11.44	2.00	0.00	1.00	0.00
8.64	11.20	2.00	0.00	1.00	0.00	8.66	11.41	2.00	0.00	1.00	0.00
8.68	12.07	2.00	0.00	1.00	0.00	8.70	13.17	2.00	0.00	1.00	0.00
8.72	14.06	2.00	0.00	1.00	0.00	8.74	15.16	2.00	0.00	1.00	0.00
8.76	15.47	2.00	0.00	1.00	0.00	8.78	15.68	2.00	0.00	1.00	0.00
8.80	15.44	2.00	0.00	1.00	0.00	8.82	15.08	2.00	0.00	1.00	0.00
8.84	14.95	2.00	0.00	1.00	0.00	8.86	15.27	2.00	0.00	1.00	0.00
8.88	15.81	2.00	0.00	1.00	0.00	8.90	16.35	2.00	0.00	1.00	0.00
8.92	16.44	2.00	0.00	1.00	0.00	8.94	16.32	2.00	0.00	1.00	0.00
8.96	16.19	2.00	0.00	1.00	0.00	8.98	16.06	2.00	0.00	1.00	0.00
9.00	16.04	2.00	0.00	1.00	0.00	9.02	16.03	2.00	0.00	1.00	0.00
9.04	16.01	2.00	0.00	1.00	0.00	9.06	15.59	2.00	0.00	1.00	0.00
9.08	15.14	2.00	0.00	1.00	0.00	9.10	15.25	2.00	0.00	1.00	0.00
9.12	15.56	2.00	0.00	1.00	0.00	9.14	15.66	2.00	0.00	1.00	0.00
9.16	15.64	2.00	0.00	1.00	0.00	9.18	15.50	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)
9.20	15.70	2.00	0.00	1.00	0.00	9.22	16.12	2.00	0.00	1.00	0.00
9.24	16.32	2.00	0.00	1.00	0.00	9.26	16.62	2.00	0.00	1.00	0.00
9.28	16.82	2.00	0.00	1.00	0.00	9.30	16.81	2.00	0.00	1.00	0.00
9.32	16.67	2.00	0.00	1.00	0.00	9.34	16.76	2.00	0.00	1.00	0.00
9.36	16.64	2.00	0.00	1.00	0.00	9.38	16.61	2.00	0.00	1.00	0.00
9.40	16.92	2.00	0.00	1.00	0.00	9.42	17.88	2.00	0.00	1.00	0.00
9.44	18.71	2.00	0.00	1.00	0.00	9.46	19.88	2.00	0.00	1.00	0.00
9.48	20.38	2.00	0.00	1.00	0.00	9.50	20.69	2.00	0.00	1.00	0.00
9.52	20.13	2.00	0.00	1.00	0.00	9.54	19.77	2.00	0.00	1.00	0.00
9.56	19.86	2.00	0.00	1.00	0.00	9.58	20.38	2.00	0.00	1.00	0.00
9.60	20.02	2.00	0.00	1.00	0.00	9.62	19.36	2.00	0.00	1.00	0.00
9.64	19.13	2.00	0.00	1.00	0.00	9.66	18.77	2.00	0.00	1.00	0.00
9.68	19.08	2.00	0.00	1.00	0.00	9.70	19.25	2.00	0.00	1.00	0.00
9.72	19.02	2.00	0.00	1.00	0.00	9.74	18.88	2.00	0.00	1.00	0.00
9.76	18.33	2.00	0.00	1.00	0.00	9.78	17.77	2.00	0.00	1.00	0.00
9.80	17.75	2.00	0.00	1.00	0.00	9.82	17.62	2.00	0.00	1.00	0.00
9.84	17.28	2.00	0.00	1.00	0.00	9.86	17.04	2.00	0.00	1.00	0.00
9.88	17.23	2.00	0.00	1.00	0.00	9.90	17.30	2.00	0.00	1.00	0.00
9.92	18.13	2.00	0.00	1.00	0.00	9.94	18.74	2.00	0.00	1.00	0.00
9.96	19.25	2.00	0.00	1.00	0.00	9.98	19.33	2.00	0.00	1.00	0.00
10.00	18.89	2.00	0.00	1.00	0.00	10.02	19.49	2.00	0.00	1.00	0.00
10.04	19.79	2.00	0.00	1.00	0.00	10.06	19.03	2.00	0.00	1.00	0.00
10.08	18.39	2.00	0.00	1.00	0.00	10.10	18.58	2.00	0.00	1.00	0.00
10.12	19.29	2.00	0.00	1.00	0.00	10.14	19.90	2.00	0.00	1.00	0.00
10.16	19.46	2.00	0.00	1.00	0.00	10.18	19.44	2.00	0.00	1.00	0.00
10.20	19.84	2.00	0.00	1.00	0.00	10.22	19.38	2.00	0.00	1.00	0.00
10.24	19.05	2.00	0.00	1.00	0.00	10.26	19.34	2.00	0.00	1.00	0.00
10.28	19.84	2.00	0.00	1.00	0.00	10.30	19.50	2.00	0.00	1.00	0.00
10.32	18.54	2.00	0.00	1.00	0.00	10.34	18.93	2.00	0.00	1.00	0.00
10.36	19.42	2.00	0.00	1.00	0.00	10.38	19.40	2.00	0.00	1.00	0.00
10.40	19.37	2.00	0.00	1.00	0.00	10.42	19.66	2.00	0.00	1.00	0.00
10.44	19.42	2.00	0.00	1.00	0.00	10.46	18.46	2.00	0.00	1.00	0.00
10.48	18.24	2.00	0.00	1.00	0.00	10.50	18.11	2.00	0.00	1.00	0.00
10.52	17.76	2.00	0.00	1.00	0.00	10.54	17.23	2.00	0.00	1.00	0.00
10.56	17.01	2.00	0.00	1.00	0.00	10.58	16.98	2.00	0.00	1.00	0.00
10.60	16.96	2.00	0.00	1.00	0.00	10.62	17.04	2.00	0.00	1.00	0.00
10.64	16.91	2.00	0.00	1.00	0.00	10.66	16.49	2.00	0.00	1.00	0.00
10.68	16.36	2.00	0.00	1.00	0.00	10.70	15.94	2.00	0.00	1.00	0.00
10.72	15.72	2.00	0.00	1.00	0.00	10.74	15.29	2.00	0.00	1.00	0.00
10.76	15.26	2.00	0.00	1.00	0.00	10.78	15.35	2.00	0.00	1.00	0.00
10.80	15.64	2.00	0.00	1.00	0.00	10.82	16.24	2.00	0.00	1.00	0.00
10.84	17.03	2.00	0.00	1.00	0.00	10.86	18.03	2.00	0.00	1.00	0.00
10.88	17.91	2.00	0.00	1.00	0.00	10.90	17.38	2.00	0.00	1.00	0.00
10.92	16.56	2.00	0.00	1.00	0.00	10.94	15.43	2.00	0.00	1.00	0.00
10.96	15.11	2.00	0.00	1.00	0.00	10.98	14.39	2.00	0.00	1.00	0.00
11.00	14.20	2.00	0.00	1.00	0.00	11.02	14.40	2.00	0.00	1.00	0.00
11.04	14.09	2.00	0.00	1.00	0.00	11.06	13.67	2.00	0.00	1.00	0.00
11.08	13.96	2.00	0.00	1.00	0.00	11.10	14.36	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.12	15.45	2.00	0.00	1.00	0.00	11.14	16.34	2.00	0.00	1.00	0.00
11.16	16.83	2.00	0.00	1.00	0.00	11.18	18.22	2.00	0.00	1.00	0.00
11.20	17.70	2.00	0.00	1.00	0.00	11.22	16.79	2.00	0.00	1.00	0.00
11.24	16.47	2.00	0.00	1.00	0.00	11.26	15.76	2.00	0.00	1.00	0.00
11.28	14.94	2.00	0.00	1.00	0.00	11.30	14.93	2.00	0.00	1.00	0.00
11.32	14.92	2.00	0.00	1.00	0.00	11.34	14.90	2.00	0.00	1.00	0.00
11.36	15.49	2.00	0.00	1.00	0.00	11.38	14.78	2.00	0.00	1.00	0.00
11.40	14.86	2.00	0.00	1.00	0.00	11.42	14.84	2.00	0.00	1.00	0.00
11.44	14.43	2.00	0.00	1.00	0.00	11.46	14.42	2.00	0.00	1.00	0.00
11.48	14.90	2.00	0.00	1.00	0.00	11.50	14.99	2.00	0.00	1.00	0.00
11.52	15.17	2.00	0.00	1.00	0.00	11.54	14.85	2.00	0.00	1.00	0.00
11.56	14.45	2.00	0.00	1.00	0.00	11.58	14.43	2.00	0.00	1.00	0.00
11.60	14.82	2.00	0.00	1.00	0.00	11.62	14.41	2.00	0.00	1.00	0.00
11.64	14.30	2.00	0.00	1.00	0.00	11.66	14.19	2.00	0.00	1.00	0.00
11.68	13.96	2.00	0.00	1.00	0.00	11.70	14.14	2.00	0.00	1.00	0.00
11.72	14.13	2.00	0.00	1.00	0.00	11.74	14.81	2.00	0.00	1.00	0.00
11.76	15.38	2.00	0.00	1.00	0.00	11.78	16.35	2.00	0.00	1.00	0.00
11.80	17.71	2.00	0.00	1.00	0.00	11.82	18.38	2.00	0.00	1.00	0.00
11.84	18.75	2.00	0.00	1.00	0.00	11.86	18.73	2.00	0.00	1.00	0.00
11.88	18.42	2.00	0.00	1.00	0.00	11.90	18.50	2.00	0.00	1.00	0.00
11.92	18.68	2.00	0.00	1.00	0.00	11.94	18.96	2.00	0.00	1.00	0.00
11.96	19.24	2.00	0.00	1.00	0.00	11.98	19.77	2.00	0.00	1.00	0.00
12.00	19.75	2.00	0.00	1.00	0.00	12.02	19.54	2.00	0.00	1.00	0.00
12.04	19.72	2.00	0.00	1.00	0.00	12.06	19.51	2.00	0.00	1.00	0.00
12.08	19.20	2.00	0.00	1.00	0.00	12.10	18.79	2.00	0.00	1.00	0.00
12.12	18.77	2.00	0.00	1.00	0.00	12.14	18.36	2.00	0.00	1.00	0.00
12.16	18.35	2.00	0.00	1.00	0.00	12.18	18.23	2.00	0.00	1.00	0.00
12.20	18.11	2.00	0.00	1.00	0.00	12.22	17.90	2.00	0.00	1.00	0.00
12.24	17.68	2.00	0.00	1.00	0.00	12.26	17.94	2.00	0.00	1.00	0.00
12.28	18.49	2.00	0.00	1.00	0.00	12.30	18.86	2.00	0.00	1.00	0.00
12.32	19.13	2.00	0.00	1.00	0.00	12.34	19.50	2.00	0.00	1.00	0.00
12.36	19.09	2.00	0.00	1.00	0.00	12.38	19.34	2.00	0.00	1.00	0.00
12.40	19.52	2.00	0.00	1.00	0.00	12.42	19.30	2.00	0.00	1.00	0.00
12.44	19.38	2.00	0.00	1.00	0.00	12.46	19.07	2.00	0.00	1.00	0.00
12.48	18.76	2.00	0.00	1.00	0.00	12.50	18.46	2.00	0.00	1.00	0.00
12.52	18.24	2.00	0.00	1.00	0.00	12.54	18.23	2.00	0.00	1.00	0.00
12.56	18.31	2.00	0.00	1.00	0.00	12.58	18.38	2.00	0.00	1.00	0.00
12.60	18.27	2.00	0.00	1.00	0.00	12.62	18.54	2.00	0.00	1.00	0.00
12.64	18.13	2.00	0.00	1.00	0.00	12.66	18.11	2.00	0.00	1.00	0.00
12.68	17.53	2.00	0.00	1.00	0.00	12.70	17.03	2.00	0.00	1.00	0.00
12.72	16.54	2.00	0.00	1.00	0.00	12.74	16.43	2.00	0.00	1.00	0.00
12.76	15.85	2.00	0.00	1.00	0.00	12.78	15.36	2.00	0.00	1.00	0.00
12.80	14.78	2.00	0.00	1.00	0.00	12.82	14.21	2.00	0.00	1.00	0.00
12.84	13.91	2.00	0.00	1.00	0.00	12.86	13.52	2.00	0.00	1.00	0.00
12.88	13.51	2.00	0.00	1.00	0.00	12.90	13.87	2.00	0.00	1.00	0.00
12.92	13.95	2.00	0.00	1.00	0.00	12.94	14.69	2.00	0.00	1.00	0.00
12.96	15.00	2.00	0.00	1.00	0.00	12.98	15.27	2.00	0.00	1.00	0.00
13.00	15.64	2.00	0.00	1.00	0.00	13.02	16.38	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)
13.04	16.93	2.00	0.00	1.00	0.00	13.06	16.93	2.00	0.00	1.00	0.00
13.08	16.91	2.00	0.00	1.00	0.00	13.10	16.81	2.00	0.00	1.00	0.00
13.12	16.23	2.00	0.00	1.00	0.00	13.14	15.75	2.00	0.00	1.00	0.00
13.16	15.29	2.00	0.00	1.00	0.00	13.18	15.45	2.00	0.00	1.00	0.00
13.20	15.90	2.00	0.00	1.00	0.00	13.22	16.17	2.00	0.00	1.00	0.00
13.24	16.44	2.00	0.00	1.00	0.00	13.26	16.79	2.00	0.00	1.00	0.00
13.28	16.97	2.00	0.00	1.00	0.00	13.30	17.23	2.00	0.00	1.00	0.00
13.32	17.31	2.00	0.00	1.00	0.00	13.34	17.38	2.00	0.00	1.00	0.00
13.36	17.74	2.00	0.00	1.00	0.00	13.38	17.26	2.00	0.00	1.00	0.00
13.40	17.16	2.00	0.00	1.00	0.00	13.42	17.61	2.00	0.00	1.00	0.00
13.44	17.59	2.00	0.00	1.00	0.00	13.46	17.39	2.00	0.00	1.00	0.00
13.48	16.82	2.00	0.00	1.00	0.00	13.50	16.81	2.00	0.00	1.00	0.00
13.52	16.24	2.00	0.00	1.00	0.00	13.54	15.75	2.00	0.00	1.00	0.00
13.56	16.29	2.00	0.00	1.00	0.00	13.58	16.64	2.00	0.00	1.00	0.00
13.60	16.90	2.00	0.00	1.00	0.00	13.62	16.61	2.00	0.00	1.00	0.00
13.64	16.68	2.00	0.00	1.00	0.00	13.66	16.21	2.00	0.00	1.00	0.00
13.68	15.82	2.00	0.00	1.00	0.00	13.70	15.17	2.00	0.00	1.00	0.00
13.72	15.16	2.00	0.00	1.00	0.00	13.74	14.95	2.00	0.00	1.00	0.00
13.76	14.48	2.00	0.00	1.00	0.00	13.78	14.47	2.00	0.00	1.00	0.00
13.80	14.54	2.00	0.00	1.00	0.00	13.82	14.26	2.00	0.00	1.00	0.00
13.84	14.07	2.00	0.00	1.00	0.00	13.86	14.32	2.00	0.00	1.00	0.00
13.88	14.40	2.00	0.00	1.00	0.00	13.90	14.48	2.00	0.00	1.00	0.00
13.92	14.47	2.00	0.00	1.00	0.00	13.94	13.92	2.00	0.00	1.00	0.00
13.96	14.90	2.00	0.00	1.00	0.00	13.98	14.71	2.00	0.00	1.00	0.00
14.00	14.35	2.00	0.00	1.00	0.00	14.02	14.25	2.00	0.00	1.00	0.00
14.04	14.32	2.00	0.00	1.00	0.00	14.06	14.49	2.00	0.00	1.00	0.00
14.08	14.93	2.00	0.00	1.00	0.00	14.10	14.83	2.00	0.00	1.00	0.00
14.12	14.73	2.00	0.00	1.00	0.00	14.14	14.81	2.00	0.00	1.00	0.00
14.16	14.89	2.00	0.00	1.00	0.00	14.18	14.88	2.00	0.00	1.00	0.00
14.20	14.59	2.00	0.00	1.00	0.00	14.22	14.13	2.00	0.00	1.00	0.00
14.24	13.85	2.00	0.00	1.00	0.00	14.26	13.40	2.00	0.00	1.00	0.00
14.28	13.30	2.00	0.00	1.00	0.00	14.30	12.66	2.00	0.00	1.00	0.00
14.32	12.29	2.00	0.00	1.00	0.00	14.34	11.57	2.00	0.00	1.00	0.00
14.36	10.85	2.00	0.00	1.00	0.00	14.38	10.05	2.00	0.00	1.00	0.00
14.40	9.42	2.00	0.00	1.00	0.00	14.42	8.80	2.00	0.00	1.00	0.00
14.44	8.44	2.00	0.00	1.00	0.00	14.46	8.33	2.00	0.00	1.00	0.00
14.48	8.24	2.00	0.00	1.00	0.00	14.50	8.23	2.00	0.00	1.00	0.00
14.52	8.40	2.00	0.00	1.00	0.00	14.54	9.01	2.00	0.00	1.00	0.00
14.56	9.62	2.00	0.00	1.00	0.00	14.58	9.61	2.00	0.00	1.00	0.00
14.60	9.36	2.00	0.00	1.00	0.00	14.62	9.00	2.00	0.00	1.00	0.00
14.64	8.65	2.00	0.00	1.00	0.00	14.66	8.30	2.00	0.00	1.00	0.00
14.68	7.86	2.00	0.00	1.00	0.00	14.70	7.78	2.00	0.00	1.00	0.00
14.72	7.77	2.00	0.00	1.00	0.00	14.74	7.86	2.00	0.00	1.00	0.00
14.76	8.03	2.00	0.00	1.00	0.00	14.78	8.12	2.00	0.00	1.00	0.00
14.80	8.29	2.00	0.00	1.00	0.00	14.82	8.39	2.00	0.00	1.00	0.00
14.84	8.81	2.00	0.00	1.00	0.00	14.86	9.34	2.00	0.00	1.00	0.00
14.88	10.03	2.00	0.00	1.00	0.00	14.90	10.20	2.00	0.00	1.00	0.00
14.92	10.55	2.00	0.00	1.00	0.00	14.94	11.13	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
14.96	11.65	2.00	0.00	1.00	0.00	14.98	11.82	2.00	0.00	1.00	0.00
15.00	11.90	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.52

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

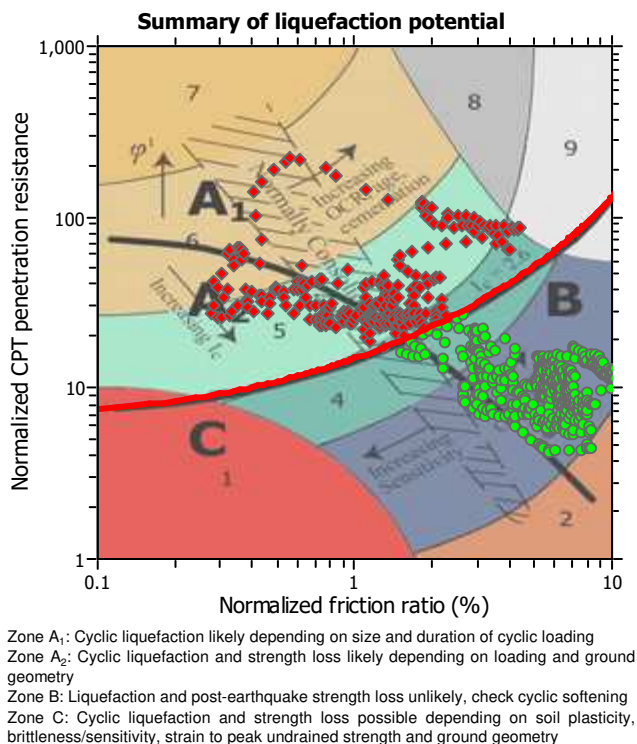
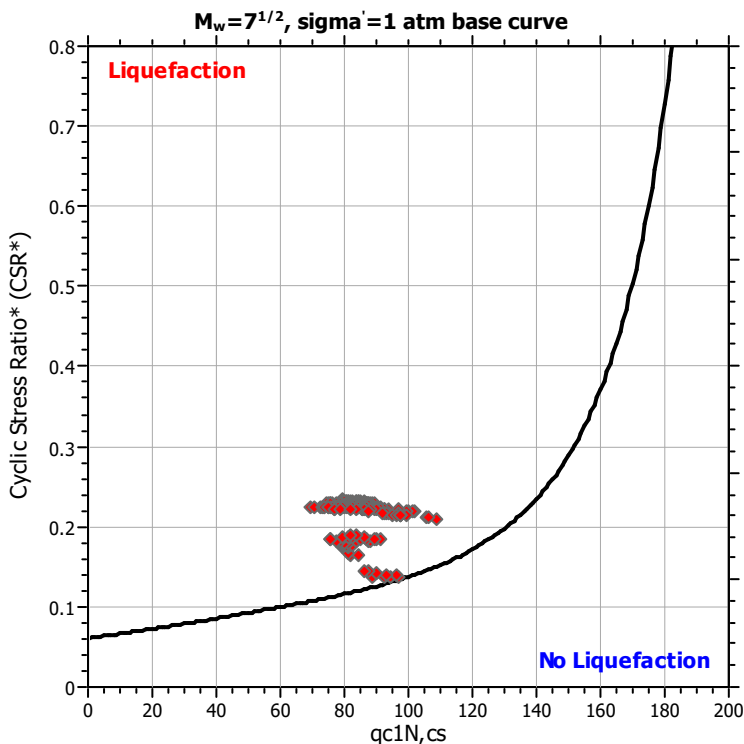
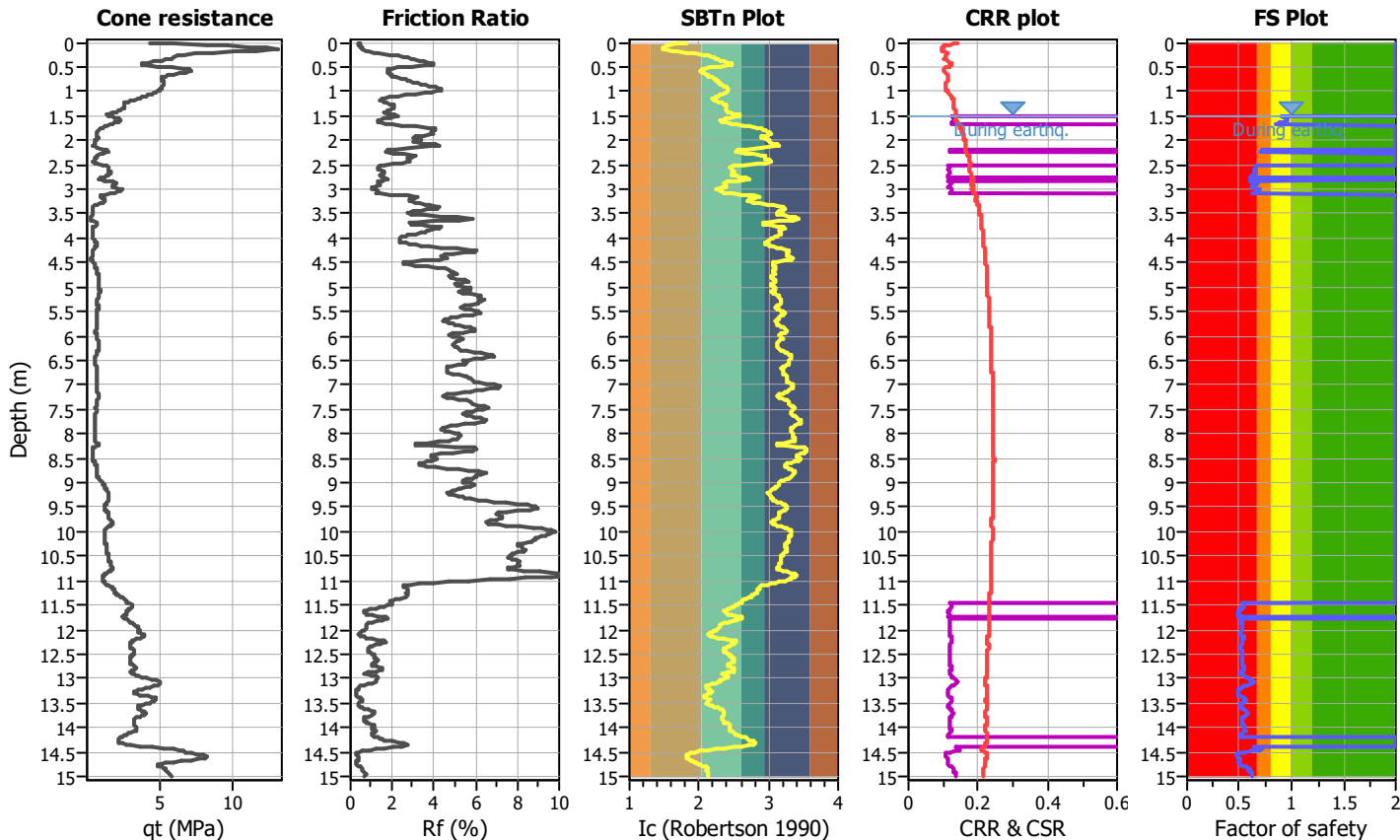
Project title :

Location :

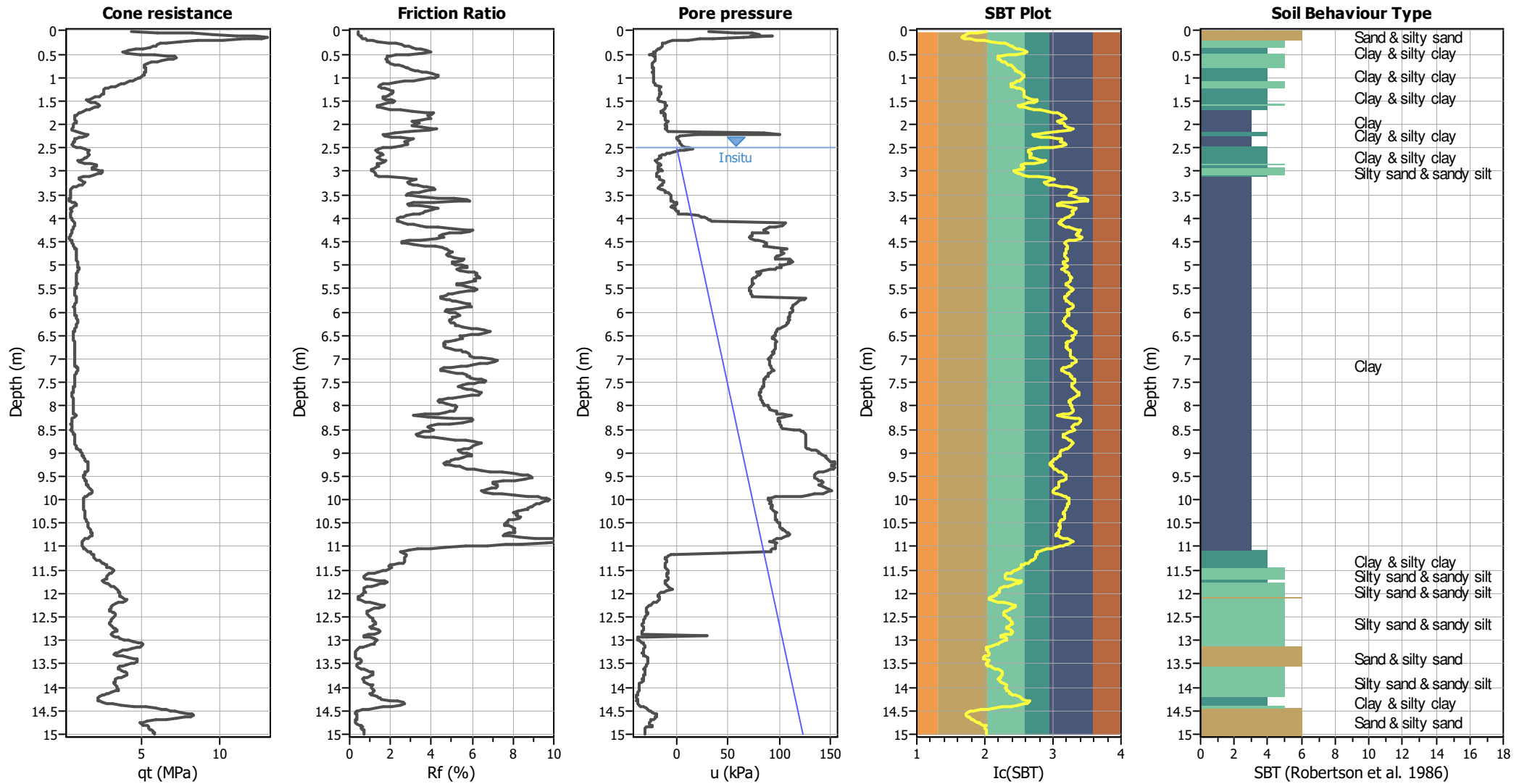
CPT file : cptu8

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



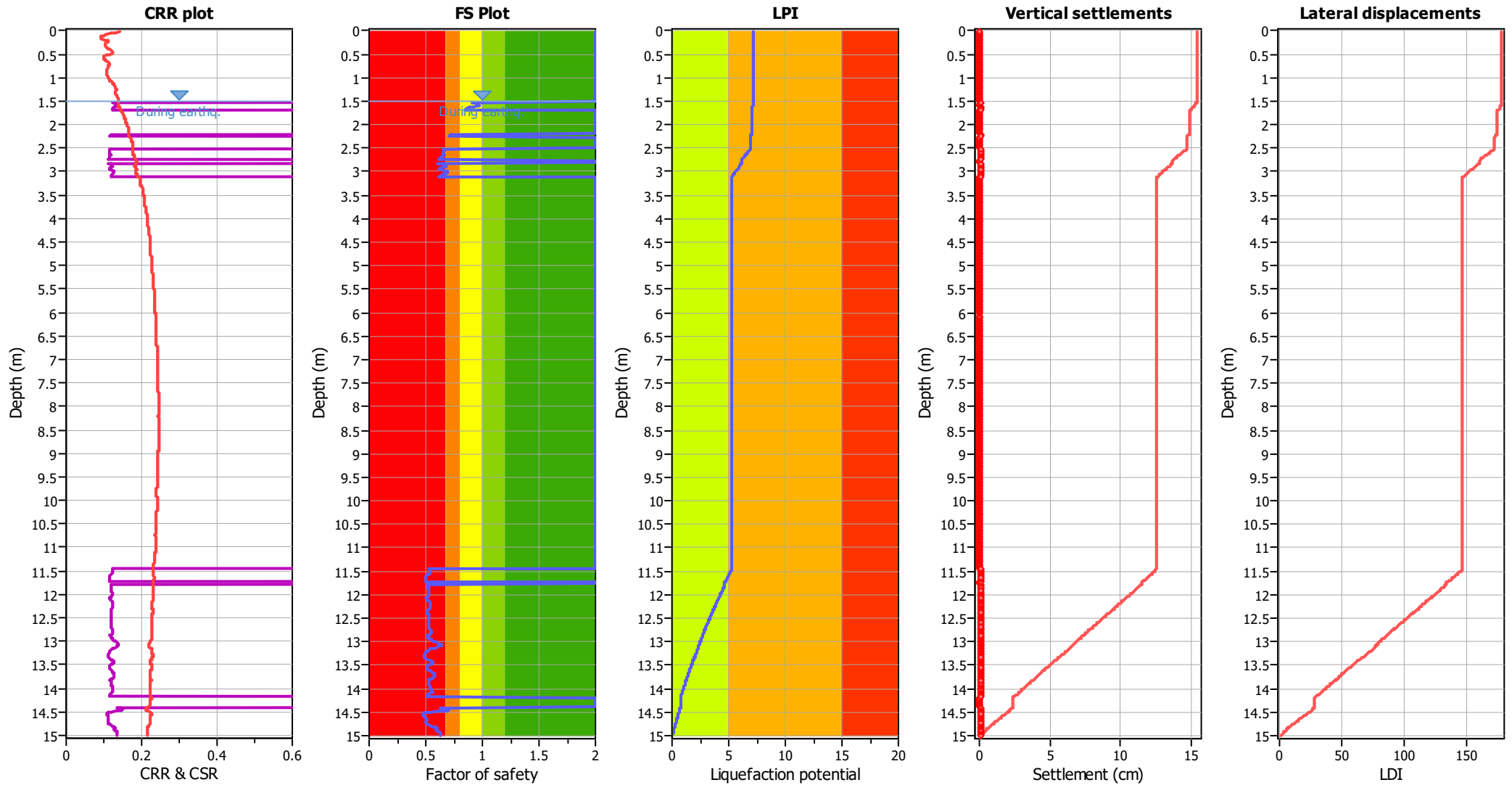
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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	0.91	0.09	9.24	0.02	0.02
1.54	0.94	0.06	9.23	0.02	0.01	1.56	0.95	0.05	9.22	0.02	0.01
1.58	0.97	0.03	9.21	0.02	0.01	1.60	0.96	0.04	9.20	0.02	0.01
1.62	0.92	0.08	9.19	0.02	0.01	1.64	0.88	0.12	9.18	0.02	0.02
1.66	0.86	0.14	9.17	0.02	0.03	1.68	0.84	0.16	9.16	0.02	0.03
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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.94	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	2.18	2.00	0.00	8.91	0.04	0.00
2.20	0.71	0.29	8.90	0.02	0.05	2.22	0.73	0.27	8.89	0.02	0.05
2.24	0.71	0.29	8.88	0.02	0.05	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	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	0.66	0.34	8.74	0.02	0.06	2.54	0.67	0.33	8.73	0.02	0.06
2.56	0.66	0.34	8.72	0.02	0.06	2.58	0.65	0.35	8.71	0.02	0.06
2.60	0.65	0.35	8.70	0.02	0.06	2.62	0.65	0.35	8.69	0.02	0.06
2.64	0.66	0.34	8.68	0.02	0.06	2.66	0.65	0.35	8.67	0.02	0.06
2.68	0.65	0.35	8.66	0.02	0.06	2.70	0.64	0.36	8.65	0.02	0.06
2.72	0.63	0.37	8.64	0.02	0.06	2.74	0.61	0.39	8.63	0.02	0.07
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	0.61	0.39	8.59	0.02	0.07
2.84	0.65	0.35	8.58	0.02	0.06	2.86	0.68	0.32	8.57	0.02	0.06
2.88	0.68	0.32	8.56	0.02	0.05	2.90	0.65	0.35	8.55	0.02	0.06
2.92	0.63	0.37	8.54	0.02	0.06	2.94	0.62	0.38	8.53	0.02	0.07
2.96	0.64	0.36	8.52	0.02	0.06	2.98	0.66	0.34	8.51	0.02	0.06
3.00	0.69	0.31	8.50	0.02	0.05	3.02	0.69	0.31	8.49	0.02	0.05
3.04	0.68	0.32	8.48	0.02	0.06	3.06	0.65	0.35	8.47	0.02	0.06
3.08	0.63	0.37	8.46	0.02	0.06	3.10	0.62	0.38	8.45	0.02	0.06
3.12	2.00	0.00	8.44	0.02	0.00	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	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	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

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

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.80	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
6.06	2.00	0.00	6.97	0.04	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	6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.74	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	8.12	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.66	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
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	0.53	0.47	4.27	0.02	0.04	11.48	0.54	0.46	4.26	0.02	0.04
11.50	0.54	0.46	4.25	0.02	0.04	11.52	0.54	0.46	4.24	0.02	0.04
11.54	0.53	0.47	4.23	0.02	0.04	11.56	0.52	0.48	4.22	0.02	0.04

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
11.58	0.51	0.49	4.21	0.02	0.04	11.60	0.50	0.50	4.20	0.02	0.04
11.62	0.50	0.50	4.19	0.02	0.04	11.64	0.49	0.51	4.18	0.02	0.04
11.66	0.50	0.50	4.17	0.02	0.04	11.68	0.50	0.50	4.16	0.02	0.04
11.70	0.50	0.50	4.15	0.02	0.04	11.72	0.50	0.50	4.14	0.02	0.04
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	0.52	0.48	4.11	0.02	0.04	11.80	0.52	0.48	4.10	0.02	0.04
11.82	0.52	0.48	4.09	0.02	0.04	11.84	0.52	0.48	4.08	0.02	0.04
11.86	0.52	0.48	4.07	0.02	0.04	11.88	0.52	0.48	4.06	0.02	0.04
11.92	0.52	0.48	4.04	0.04	0.08	11.94	0.53	0.47	4.03	0.02	0.04
11.96	0.53	0.47	4.02	0.02	0.04	11.98	0.53	0.47	4.01	0.02	0.04
12.00	0.53	0.47	4.00	0.02	0.04	12.02	0.53	0.47	3.99	0.02	0.04
12.04	0.52	0.48	3.98	0.02	0.04	12.06	0.51	0.49	3.97	0.02	0.04
12.08	0.51	0.49	3.96	0.02	0.04	12.10	0.51	0.49	3.95	0.02	0.04
12.12	0.52	0.48	3.94	0.02	0.04	12.14	0.53	0.47	3.93	0.02	0.04
12.16	0.54	0.46	3.92	0.02	0.04	12.18	0.54	0.46	3.91	0.02	0.04
12.20	0.54	0.46	3.90	0.02	0.04	12.22	0.53	0.47	3.89	0.02	0.04
12.24	0.54	0.46	3.88	0.02	0.04	12.26	0.54	0.46	3.87	0.02	0.04
12.28	0.53	0.47	3.86	0.02	0.04	12.30	0.53	0.47	3.85	0.02	0.04
12.32	0.52	0.48	3.84	0.02	0.04	12.34	0.52	0.48	3.83	0.02	0.04
12.36	0.51	0.49	3.82	0.02	0.04	12.38	0.51	0.49	3.81	0.02	0.04
12.40	0.52	0.48	3.80	0.02	0.04	12.42	0.52	0.48	3.79	0.02	0.04
12.44	0.53	0.47	3.78	0.02	0.04	12.46	0.53	0.47	3.77	0.02	0.04
12.48	0.53	0.47	3.76	0.02	0.04	12.50	0.53	0.47	3.75	0.02	0.04
12.52	0.53	0.47	3.74	0.02	0.04	12.54	0.53	0.47	3.73	0.02	0.04
12.56	0.53	0.47	3.72	0.02	0.04	12.58	0.52	0.48	3.71	0.02	0.04
12.60	0.52	0.48	3.70	0.02	0.04	12.62	0.52	0.48	3.69	0.02	0.04
12.64	0.52	0.48	3.68	0.02	0.03	12.66	0.52	0.48	3.67	0.02	0.03
12.68	0.52	0.48	3.66	0.02	0.03	12.70	0.53	0.47	3.65	0.02	0.03
12.72	0.53	0.47	3.64	0.02	0.03	12.74	0.53	0.47	3.63	0.02	0.03
12.76	0.54	0.46	3.62	0.02	0.03	12.78	0.55	0.45	3.61	0.02	0.03
12.80	0.55	0.45	3.60	0.02	0.03	12.82	0.54	0.46	3.59	0.02	0.03
12.84	0.53	0.47	3.58	0.02	0.03	12.86	0.52	0.48	3.57	0.02	0.03
12.88	0.51	0.49	3.56	0.02	0.03	12.90	0.52	0.48	3.55	0.02	0.03
12.92	0.53	0.47	3.54	0.02	0.03	12.94	0.54	0.46	3.53	0.02	0.03
12.96	0.55	0.45	3.52	0.02	0.03	12.98	0.57	0.43	3.51	0.02	0.03
13.00	0.58	0.42	3.50	0.02	0.03	13.02	0.60	0.40	3.49	0.02	0.03
13.04	0.62	0.38	3.48	0.02	0.03	13.06	0.64	0.36	3.47	0.02	0.02
13.08	0.64	0.36	3.46	0.02	0.03	13.10	0.62	0.38	3.45	0.02	0.03
13.12	0.60	0.40	3.44	0.02	0.03	13.14	0.58	0.42	3.43	0.02	0.03
13.16	0.54	0.46	3.42	0.02	0.03	13.18	0.52	0.48	3.41	0.02	0.03
13.20	0.51	0.49	3.40	0.02	0.03	13.22	0.50	0.50	3.39	0.02	0.03
13.24	0.50	0.50	3.38	0.02	0.03	13.26	0.49	0.51	3.37	0.02	0.03
13.28	0.49	0.51	3.36	0.02	0.03	13.30	0.49	0.51	3.35	0.02	0.03
13.32	0.49	0.51	3.34	0.02	0.03	13.34	0.49	0.51	3.33	0.02	0.03
13.36	0.50	0.50	3.32	0.02	0.03	13.38	0.53	0.47	3.31	0.02	0.03
13.40	0.54	0.46	3.30	0.02	0.03	13.42	0.56	0.44	3.29	0.02	0.03
13.44	0.56	0.44	3.28	0.02	0.03	13.46	0.56	0.44	3.27	0.02	0.03
13.48	0.55	0.45	3.26	0.02	0.03	13.50	0.53	0.47	3.25	0.02	0.03

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

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
13.52	0.51	0.49	3.24	0.02	0.03	13.54	0.51	0.49	3.23	0.02	0.03
13.56	0.51	0.49	3.22	0.02	0.03	13.58	0.51	0.49	3.21	0.02	0.03
13.60	0.52	0.48	3.20	0.02	0.03	13.62	0.53	0.47	3.19	0.02	0.03
13.64	0.55	0.45	3.18	0.02	0.03	13.66	0.56	0.44	3.17	0.02	0.03
13.68	0.57	0.43	3.16	0.02	0.03	13.70	0.58	0.42	3.15	0.02	0.03
13.72	0.58	0.42	3.14	0.02	0.03	13.74	0.57	0.43	3.13	0.02	0.03
13.76	0.57	0.43	3.12	0.02	0.03	13.78	0.55	0.45	3.11	0.02	0.03
13.80	0.53	0.47	3.10	0.02	0.03	13.82	0.52	0.48	3.09	0.02	0.03
13.84	0.52	0.48	3.08	0.02	0.03	13.86	0.53	0.47	3.07	0.02	0.03
13.88	0.53	0.47	3.06	0.02	0.03	13.90	0.53	0.47	3.05	0.02	0.03
13.92	0.53	0.47	3.04	0.02	0.03	13.94	0.54	0.46	3.03	0.02	0.03
13.96	0.54	0.46	3.02	0.02	0.03	13.98	0.54	0.46	3.01	0.02	0.03
14.00	0.54	0.46	3.00	0.02	0.03	14.02	0.54	0.46	2.99	0.02	0.03
14.04	0.55	0.45	2.98	0.02	0.03	14.06	0.56	0.44	2.97	0.02	0.03
14.08	0.55	0.45	2.96	0.02	0.03	14.10	0.53	0.47	2.95	0.02	0.03
14.12	0.52	0.48	2.94	0.02	0.03	14.14	0.52	0.48	2.93	0.02	0.03
14.16	0.51	0.49	2.92	0.02	0.03	14.18	0.51	0.49	2.91	0.02	0.03
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	0.63	0.37	2.80	0.02	0.02	14.42	0.68	0.32	2.79	0.02	0.02
14.44	0.71	0.29	2.78	0.02	0.02	14.46	0.69	0.31	2.77	0.02	0.02
14.48	0.62	0.38	2.76	0.02	0.02	14.50	0.54	0.46	2.75	0.02	0.03
14.52	0.49	0.51	2.74	0.02	0.03	14.54	0.47	0.53	2.73	0.02	0.03
14.56	0.48	0.52	2.72	0.02	0.03	14.58	0.49	0.51	2.71	0.02	0.03
14.60	0.49	0.51	2.70	0.02	0.03	14.62	0.49	0.51	2.69	0.02	0.03
14.64	0.50	0.50	2.68	0.02	0.03	14.66	0.51	0.49	2.67	0.02	0.03
14.68	0.51	0.49	2.66	0.02	0.03	14.70	0.50	0.50	2.65	0.02	0.03
14.72	0.50	0.50	2.64	0.02	0.03	14.74	0.51	0.49	2.63	0.02	0.03
14.76	0.52	0.48	2.62	0.02	0.03	14.78	0.53	0.47	2.61	0.02	0.02
14.80	0.56	0.44	2.60	0.02	0.02	14.82	0.59	0.41	2.59	0.02	0.02
14.84	0.60	0.40	2.58	0.02	0.02	14.86	0.59	0.41	2.57	0.02	0.02
14.88	0.59	0.41	2.56	0.02	0.02	14.90	0.61	0.39	2.55	0.02	0.02
14.92	0.62	0.38	2.54	0.02	0.02	14.94	0.63	0.37	2.53	0.02	0.02
14.96	0.63	0.37	2.52	0.02	0.02	14.98	0.63	0.37	2.51	0.02	0.02
15.00	0.63	0.37	2.50	0.02	0.02						

Overall liquefaction potential: 7.16

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

:: 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)
1.50	82.82	2.00	0.00	1.00	0.00	1.52	88.86	0.91	3.62	1.00	0.07
1.54	92.52	0.94	2.75	1.00	0.06	1.56	94.68	0.95	2.15	1.00	0.04
1.58	96.75	0.97	1.79	1.00	0.04	1.60	96.06	0.96	2.02	1.00	0.04
1.62	93.29	0.92	3.23	1.00	0.06	1.64	89.71	0.88	3.58	1.00	0.07
1.66	87.59	0.86	3.67	1.00	0.07	1.68	86.36	0.84	3.72	1.00	0.07
1.70	25.61	2.00	0.00	1.00	0.00	1.72	22.22	2.00	0.00	1.00	0.00
1.74	19.18	2.00	0.00	1.00	0.00	1.76	17.20	2.00	0.00	1.00	0.00
1.78	15.77	2.00	0.00	1.00	0.00	1.80	14.88	2.00	0.00	1.00	0.00
1.82	12.74	2.00	0.00	1.00	0.00	1.84	12.37	2.00	0.00	1.00	0.00
1.86	12.01	2.00	0.00	1.00	0.00	1.88	11.65	2.00	0.00	1.00	0.00
1.90	12.90	2.00	0.00	1.00	0.00	1.92	14.65	2.00	0.00	1.00	0.00
1.94	14.83	2.00	0.00	1.00	0.00	1.96	13.58	2.00	0.00	1.00	0.00
1.98	11.60	2.00	0.00	1.00	0.00	2.00	10.71	2.00	0.00	1.00	0.00
2.02	10.89	2.00	0.00	1.00	0.00	2.04	10.89	2.00	0.00	1.00	0.00
2.06	10.34	2.00	0.00	1.00	0.00	2.08	9.62	2.00	0.00	1.00	0.00
2.10	9.27	2.00	0.00	1.00	0.00	2.12	9.61	2.00	0.00	1.00	0.00
2.14	11.57	2.00	0.00	1.00	0.00	2.18	19.06	2.00	0.00	1.00	0.00
2.20	81.82	0.71	3.92	1.00	0.08	2.22	84.28	0.73	3.81	1.00	0.08
2.24	81.32	0.71	3.95	1.00	0.08	2.26	19.90	2.00	0.00	1.00	0.00
2.28	15.66	2.00	0.00	1.00	0.00	2.30	13.23	2.00	0.00	1.00	0.00
2.32	11.83	2.00	0.00	1.00	0.00	2.34	11.28	2.00	0.00	1.00	0.00
2.36	11.90	2.00	0.00	1.00	0.00	2.38	11.17	2.00	0.00	1.00	0.00
2.40	9.96	2.00	0.00	1.00	0.00	2.42	8.92	2.00	0.00	1.00	0.00
2.44	9.35	2.00	0.00	1.00	0.00	2.46	9.31	2.00	0.00	1.00	0.00
2.48	11.75	2.00	0.00	1.00	0.00	2.50	16.88	2.00	0.00	1.00	0.00
2.52	79.32	0.66	4.04	1.00	0.08	2.54	81.23	0.67	3.95	1.00	0.08
2.56	81.11	0.66	3.96	1.00	0.08	2.58	79.63	0.65	4.03	1.00	0.08
2.60	79.77	0.65	4.02	1.00	0.08	2.62	80.52	0.65	3.98	1.00	0.08
2.64	82.26	0.66	3.90	1.00	0.08	2.66	81.24	0.65	3.95	1.00	0.08
2.68	80.15	0.65	4.00	1.00	0.08	2.70	78.96	0.64	4.06	1.00	0.08
2.72	77.76	0.63	4.12	1.00	0.08	2.74	75.41	0.61	4.24	1.00	0.08
2.76	16.43	2.00	0.00	1.00	0.00	2.78	13.88	2.00	0.00	1.00	0.00
2.80	13.70	2.00	0.00	1.00	0.00	2.82	75.91	0.61	4.22	1.00	0.08
2.84	83.66	0.65	3.84	1.00	0.08	2.86	87.46	0.68	3.68	1.00	0.07
2.88	88.29	0.68	3.64	1.00	0.07	2.90	84.73	0.65	3.79	1.00	0.08
2.92	80.99	0.63	3.96	1.00	0.08	2.94	79.36	0.62	4.04	1.00	0.08
2.96	82.63	0.64	3.89	1.00	0.08	2.98	86.85	0.66	3.70	1.00	0.07
3.00	90.29	0.69	3.56	1.00	0.07	3.02	90.95	0.69	3.54	1.00	0.07
3.04	89.32	0.68	3.60	1.00	0.07	3.06	86.19	0.65	3.73	1.00	0.07
3.08	84.03	0.63	3.82	1.00	0.08	3.10	81.57	0.62	3.93	1.00	0.08
3.12	18.30	2.00	0.00	1.00	0.00	3.14	14.74	2.00	0.00	1.00	0.00
3.16	14.24	2.00	0.00	1.00	0.00	3.18	15.43	2.00	0.00	1.00	0.00
3.20	17.36	2.00	0.00	1.00	0.00	3.22	19.73	2.00	0.00	1.00	0.00
3.24	20.29	2.00	0.00	1.00	0.00	3.26	19.67	2.00	0.00	1.00	0.00
3.28	18.14	2.00	0.00	1.00	0.00	3.30	14.97	2.00	0.00	1.00	0.00
3.32	11.58	2.00	0.00	1.00	0.00	3.34	9.28	2.00	0.00	1.00	0.00
3.36	8.04	2.00	0.00	1.00	0.00	3.38	7.24	2.00	0.00	1.00	0.00
3.40	7.08	2.00	0.00	1.00	0.00	3.42	6.76	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)
3.44	6.74	2.00	0.00	1.00	0.00	3.46	7.03	2.00	0.00	1.00	0.00
3.48	7.18	2.00	0.00	1.00	0.00	3.50	7.48	2.00	0.00	1.00	0.00
3.52	7.45	2.00	0.00	1.00	0.00	3.54	6.98	2.00	0.00	1.00	0.00
3.56	6.21	2.00	0.00	1.00	0.00	3.58	5.89	2.00	0.00	1.00	0.00
3.60	5.42	2.00	0.00	1.00	0.00	3.62	5.26	2.00	0.00	1.00	0.00
3.64	5.99	2.00	0.00	1.00	0.00	3.66	7.96	2.00	0.00	1.00	0.00
3.68	10.64	2.00	0.00	1.00	0.00	3.70	12.56	2.00	0.00	1.00	0.00
3.72	11.80	2.00	0.00	1.00	0.00	3.74	10.60	2.00	0.00	1.00	0.00
3.76	8.33	2.00	0.00	1.00	0.00	3.78	7.42	2.00	0.00	1.00	0.00
3.80	6.96	2.00	0.00	1.00	0.00	3.82	7.40	2.00	0.00	1.00	0.00
3.84	7.69	2.00	0.00	1.00	0.00	3.86	7.83	2.00	0.00	1.00	0.00
3.88	7.37	2.00	0.00	1.00	0.00	3.90	6.62	2.00	0.00	1.00	0.00
3.92	6.61	2.00	0.00	1.00	0.00	3.94	6.45	2.00	0.00	1.00	0.00
3.96	6.59	2.00	0.00	1.00	0.00	3.98	7.33	2.00	0.00	1.00	0.00
4.00	7.45	2.00	0.00	1.00	0.00	4.02	8.05	2.00	0.00	1.00	0.00
4.04	8.18	2.00	0.00	1.00	0.00	4.06	8.32	2.00	0.00	1.00	0.00
4.08	8.90	2.00	0.00	1.00	0.00	4.10	10.38	2.00	0.00	1.00	0.00
4.12	9.93	2.00	0.00	1.00	0.00	4.14	9.92	2.00	0.00	1.00	0.00
4.16	9.76	2.00	0.00	1.00	0.00	4.18	9.60	2.00	0.00	1.00	0.00
4.20	9.01	2.00	0.00	1.00	0.00	4.22	8.27	2.00	0.00	1.00	0.00
4.24	7.68	2.00	0.00	1.00	0.00	4.26	7.23	2.00	0.00	1.00	0.00
4.28	7.07	2.00	0.00	1.00	0.00	4.30	7.35	2.00	0.00	1.00	0.00
4.32	7.05	2.00	0.00	1.00	0.00	4.34	6.75	2.00	0.00	1.00	0.00
4.36	6.45	2.00	0.00	1.00	0.00	4.38	5.87	2.00	0.00	1.00	0.00
4.40	5.69	2.00	0.00	1.00	0.00	4.42	5.10	2.00	0.00	1.00	0.00
4.44	5.53	2.00	0.00	1.00	0.00	4.46	6.24	2.00	0.00	1.00	0.00
4.48	6.96	2.00	0.00	1.00	0.00	4.50	7.38	2.00	0.00	1.00	0.00
4.52	7.51	2.00	0.00	1.00	0.00	4.54	8.07	2.00	0.00	1.00	0.00
4.56	8.19	2.00	0.00	1.00	0.00	4.58	8.47	2.00	0.00	1.00	0.00
4.60	8.89	2.00	0.00	1.00	0.00	4.62	9.59	2.00	0.00	1.00	0.00
4.64	10.14	2.00	0.00	1.00	0.00	4.66	10.54	2.00	0.00	1.00	0.00
4.68	10.52	2.00	0.00	1.00	0.00	4.70	10.78	2.00	0.00	1.00	0.00
4.72	10.91	2.00	0.00	1.00	0.00	4.74	10.89	2.00	0.00	1.00	0.00
4.76	11.43	2.00	0.00	1.00	0.00	4.78	11.42	2.00	0.00	1.00	0.00
4.80	11.40	2.00	0.00	1.00	0.00	4.82	11.52	2.00	0.00	1.00	0.00
4.84	11.37	2.00	0.00	1.00	0.00	4.86	11.35	2.00	0.00	1.00	0.00
4.88	10.78	2.00	0.00	1.00	0.00	4.90	11.04	2.00	0.00	1.00	0.00
4.92	11.72	2.00	0.00	1.00	0.00	4.94	12.24	2.00	0.00	1.00	0.00
4.96	12.35	2.00	0.00	1.00	0.00	4.98	11.79	2.00	0.00	1.00	0.00
5.00	11.50	2.00	0.00	1.00	0.00	5.02	11.21	2.00	0.00	1.00	0.00
5.04	11.47	2.00	0.00	1.00	0.00	5.06	12.82	2.00	0.00	1.00	0.00
5.08	13.21	2.00	0.00	1.00	0.00	5.10	13.06	2.00	0.00	1.00	0.00
5.12	12.23	2.00	0.00	1.00	0.00	5.14	11.94	2.00	0.00	1.00	0.00
5.16	11.39	2.00	0.00	1.00	0.00	5.18	11.10	2.00	0.00	1.00	0.00
5.20	11.22	2.00	0.00	1.00	0.00	5.22	11.07	2.00	0.00	1.00	0.00
5.24	10.65	2.00	0.00	1.00	0.00	5.26	10.10	2.00	0.00	1.00	0.00
5.28	10.35	2.00	0.00	1.00	0.00	5.30	10.34	2.00	0.00	1.00	0.00
5.32	10.04	2.00	0.00	1.00	0.00	5.34	9.90	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)
5.36	10.42	2.00	0.00	1.00	0.00	5.38	11.21	2.00	0.00	1.00	0.00
5.40	11.19	2.00	0.00	1.00	0.00	5.42	11.18	2.00	0.00	1.00	0.00
5.44	10.90	2.00	0.00	1.00	0.00	5.46	10.34	2.00	0.00	1.00	0.00
5.48	9.79	2.00	0.00	1.00	0.00	5.50	9.65	2.00	0.00	1.00	0.00
5.52	9.50	2.00	0.00	1.00	0.00	5.54	9.09	2.00	0.00	1.00	0.00
5.56	9.48	2.00	0.00	1.00	0.00	5.58	9.46	2.00	0.00	1.00	0.00
5.60	9.58	2.00	0.00	1.00	0.00	5.62	9.44	2.00	0.00	1.00	0.00
5.64	9.69	2.00	0.00	1.00	0.00	5.66	9.81	2.00	0.00	1.00	0.00
5.68	10.19	2.00	0.00	1.00	0.00	5.70	9.79	2.00	0.00	1.00	0.00
5.72	10.30	2.00	0.00	1.00	0.00	5.74	10.16	2.00	0.00	1.00	0.00
5.76	10.14	2.00	0.00	1.00	0.00	5.78	10.00	2.00	0.00	1.00	0.00
5.80	9.73	2.00	0.00	1.00	0.00	5.82	9.19	2.00	0.00	1.00	0.00
5.84	8.92	2.00	0.00	1.00	0.00	5.86	8.78	2.00	0.00	1.00	0.00
5.88	8.24	2.00	0.00	1.00	0.00	5.90	8.10	2.00	0.00	1.00	0.00
5.92	8.48	2.00	0.00	1.00	0.00	5.94	8.88	2.00	0.00	1.00	0.00
5.96	9.25	2.00	0.00	1.00	0.00	5.98	9.24	2.00	0.00	1.00	0.00
6.00	9.23	2.00	0.00	1.00	0.00	6.02	9.09	2.00	0.00	1.00	0.00
6.06	9.32	2.00	0.00	1.00	0.00	6.08	9.69	2.00	0.00	1.00	0.00
6.10	10.19	2.00	0.00	1.00	0.00	6.12	10.31	2.00	0.00	1.00	0.00
6.14	10.30	2.00	0.00	1.00	0.00	6.16	10.67	2.00	0.00	1.00	0.00
6.18	10.78	2.00	0.00	1.00	0.00	6.20	10.64	2.00	0.00	1.00	0.00
6.22	10.88	2.00	0.00	1.00	0.00	6.24	10.61	2.00	0.00	1.00	0.00
6.26	10.47	2.00	0.00	1.00	0.00	6.28	10.21	2.00	0.00	1.00	0.00
6.30	10.07	2.00	0.00	1.00	0.00	6.32	9.54	2.00	0.00	1.00	0.00
6.34	9.27	2.00	0.00	1.00	0.00	6.36	9.01	2.00	0.00	1.00	0.00
6.38	8.75	2.00	0.00	1.00	0.00	6.40	8.35	2.00	0.00	1.00	0.00
6.42	8.09	2.00	0.00	1.00	0.00	6.44	8.08	2.00	0.00	1.00	0.00
6.46	7.95	2.00	0.00	1.00	0.00	6.48	7.81	2.00	0.00	1.00	0.00
6.50	7.93	2.00	0.00	1.00	0.00	6.52	8.04	2.00	0.00	1.00	0.00
6.54	8.04	2.00	0.00	1.00	0.00	6.56	7.65	2.00	0.00	1.00	0.00
6.58	7.64	2.00	0.00	1.00	0.00	6.60	8.01	2.00	0.00	1.00	0.00
6.62	8.37	2.00	0.00	1.00	0.00	6.64	8.99	2.00	0.00	1.00	0.00
6.66	8.85	2.00	0.00	1.00	0.00	6.68	8.84	2.00	0.00	1.00	0.00
6.70	8.83	2.00	0.00	1.00	0.00	6.72	8.82	2.00	0.00	1.00	0.00
6.74	9.06	2.00	0.00	1.00	0.00	6.76	8.80	2.00	0.00	1.00	0.00
6.78	9.04	2.00	0.00	1.00	0.00	6.80	8.54	2.00	0.00	1.00	0.00
6.82	8.53	2.00	0.00	1.00	0.00	6.84	8.77	2.00	0.00	1.00	0.00
6.86	8.76	2.00	0.00	1.00	0.00	6.88	8.76	2.00	0.00	1.00	0.00
6.90	8.87	2.00	0.00	1.00	0.00	6.92	8.86	2.00	0.00	1.00	0.00
6.94	8.85	2.00	0.00	1.00	0.00	6.96	8.72	2.00	0.00	1.00	0.00
6.98	8.34	2.00	0.00	1.00	0.00	7.00	8.08	2.00	0.00	1.00	0.00
7.02	8.32	2.00	0.00	1.00	0.00	7.04	8.18	2.00	0.00	1.00	0.00
7.06	8.30	2.00	0.00	1.00	0.00	7.08	8.41	2.00	0.00	1.00	0.00
7.10	8.89	2.00	0.00	1.00	0.00	7.12	8.88	2.00	0.00	1.00	0.00
7.14	8.74	2.00	0.00	1.00	0.00	7.16	8.98	2.00	0.00	1.00	0.00
7.18	9.45	2.00	0.00	1.00	0.00	7.20	10.04	2.00	0.00	1.00	0.00
7.22	10.39	2.00	0.00	1.00	0.00	7.24	10.26	2.00	0.00	1.00	0.00
7.26	10.01	2.00	0.00	1.00	0.00	7.28	9.64	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)
7.30	9.02	2.00	0.00	1.00	0.00	7.32	8.87	2.00	0.00	1.00	0.00
7.34	8.74	2.00	0.00	1.00	0.00	7.36	8.37	2.00	0.00	1.00	0.00
7.38	8.60	2.00	0.00	1.00	0.00	7.40	8.35	2.00	0.00	1.00	0.00
7.42	8.34	2.00	0.00	1.00	0.00	7.44	8.10	2.00	0.00	1.00	0.00
7.46	7.73	2.00	0.00	1.00	0.00	7.48	7.72	2.00	0.00	1.00	0.00
7.50	7.95	2.00	0.00	1.00	0.00	7.52	7.94	2.00	0.00	1.00	0.00
7.54	8.05	2.00	0.00	1.00	0.00	7.56	7.92	2.00	0.00	1.00	0.00
7.58	7.68	2.00	0.00	1.00	0.00	7.60	7.66	2.00	0.00	1.00	0.00
7.62	7.29	2.00	0.00	1.00	0.00	7.64	7.17	2.00	0.00	1.00	0.00
7.66	7.16	2.00	0.00	1.00	0.00	7.68	6.92	2.00	0.00	1.00	0.00
7.70	6.67	2.00	0.00	1.00	0.00	7.72	6.55	2.00	0.00	1.00	0.00
7.74	6.30	2.00	0.00	1.00	0.00	7.76	6.30	2.00	0.00	1.00	0.00
7.78	6.29	2.00	0.00	1.00	0.00	7.80	6.52	2.00	0.00	1.00	0.00
7.82	6.63	2.00	0.00	1.00	0.00	7.84	6.74	2.00	0.00	1.00	0.00
7.86	6.74	2.00	0.00	1.00	0.00	7.88	7.08	2.00	0.00	1.00	0.00
7.90	7.09	2.00	0.00	1.00	0.00	7.92	7.20	2.00	0.00	1.00	0.00
7.94	7.31	2.00	0.00	1.00	0.00	7.96	7.42	2.00	0.00	1.00	0.00
7.98	7.41	2.00	0.00	1.00	0.00	8.00	7.23	2.00	0.00	1.00	0.00
8.02	7.34	2.00	0.00	1.00	0.00	8.04	7.36	2.00	0.00	1.00	0.00
8.06	7.23	2.00	0.00	1.00	0.00	8.08	6.88	2.00	0.00	1.00	0.00
8.10	6.64	2.00	0.00	1.00	0.00	8.12	6.63	2.00	0.00	1.00	0.00
8.14	6.86	2.00	0.00	1.00	0.00	8.16	6.62	2.00	0.00	1.00	0.00
8.18	7.88	2.00	0.00	1.00	0.00	8.20	9.84	2.00	0.00	1.00	0.00
8.22	9.60	2.00	0.00	1.00	0.00	8.24	7.75	2.00	0.00	1.00	0.00
8.26	5.89	2.00	0.00	1.00	0.00	8.28	5.54	2.00	0.00	1.00	0.00
8.30	5.54	2.00	0.00	1.00	0.00	8.32	5.41	2.00	0.00	1.00	0.00
8.34	5.52	2.00	0.00	1.00	0.00	8.36	5.40	2.00	0.00	1.00	0.00
8.38	5.28	2.00	0.00	1.00	0.00	8.40	5.41	2.00	0.00	1.00	0.00
8.42	5.50	2.00	0.00	1.00	0.00	8.44	5.73	2.00	0.00	1.00	0.00
8.46	5.84	2.00	0.00	1.00	0.00	8.48	5.50	2.00	0.00	1.00	0.00
8.50	5.15	2.00	0.00	1.00	0.00	8.52	5.26	2.00	0.00	1.00	0.00
8.54	5.49	2.00	0.00	1.00	0.00	8.56	5.94	2.00	0.00	1.00	0.00
8.58	6.50	2.00	0.00	1.00	0.00	8.60	6.95	2.00	0.00	1.00	0.00
8.62	7.40	2.00	0.00	1.00	0.00	8.64	7.62	2.00	0.00	1.00	0.00
8.66	7.84	2.00	0.00	1.00	0.00	8.68	7.94	2.00	0.00	1.00	0.00
8.70	7.83	2.00	0.00	1.00	0.00	8.72	7.83	2.00	0.00	1.00	0.00
8.74	7.82	2.00	0.00	1.00	0.00	8.76	7.92	2.00	0.00	1.00	0.00
8.78	7.69	2.00	0.00	1.00	0.00	8.80	7.91	2.00	0.00	1.00	0.00
8.82	8.12	2.00	0.00	1.00	0.00	8.84	8.34	2.00	0.00	1.00	0.00
8.86	8.45	2.00	0.00	1.00	0.00	8.88	8.55	2.00	0.00	1.00	0.00
8.90	8.99	2.00	0.00	1.00	0.00	8.92	9.65	2.00	0.00	1.00	0.00
8.94	10.31	2.00	0.00	1.00	0.00	8.96	11.56	2.00	0.00	1.00	0.00
8.98	11.99	2.00	0.00	1.00	0.00	9.00	12.09	2.00	0.00	1.00	0.00
9.02	12.41	2.00	0.00	1.00	0.00	9.04	12.40	2.00	0.00	1.00	0.00
9.06	12.60	2.00	0.00	1.00	0.00	9.08	13.15	2.00	0.00	1.00	0.00
9.10	13.79	2.00	0.00	1.00	0.00	9.12	13.78	2.00	0.00	1.00	0.00
9.14	14.43	2.00	0.00	1.00	0.00	9.16	14.52	2.00	0.00	1.00	0.00
9.18	15.04	2.00	0.00	1.00	0.00	9.20	15.90	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
9.22	15.89	2.00	0.00	1.00	0.00	9.24	16.08	2.00	0.00	1.00	0.00
9.26	16.17	2.00	0.00	1.00	0.00	9.28	15.94	2.00	0.00	1.00	0.00
9.30	15.92	2.00	0.00	1.00	0.00	9.32	16.44	2.00	0.00	1.00	0.00
9.34	16.10	2.00	0.00	1.00	0.00	9.36	15.86	2.00	0.00	1.00	0.00
9.38	15.74	2.00	0.00	1.00	0.00	9.40	15.17	2.00	0.00	1.00	0.00
9.42	14.50	2.00	0.00	1.00	0.00	9.44	13.83	2.00	0.00	1.00	0.00
9.46	13.47	2.00	0.00	1.00	0.00	9.48	13.46	2.00	0.00	1.00	0.00
9.50	13.54	2.00	0.00	1.00	0.00	9.52	13.31	2.00	0.00	1.00	0.00
9.54	13.40	2.00	0.00	1.00	0.00	9.56	13.27	2.00	0.00	1.00	0.00
9.58	13.79	2.00	0.00	1.00	0.00	9.60	14.64	2.00	0.00	1.00	0.00
9.62	15.15	2.00	0.00	1.00	0.00	9.64	15.44	2.00	0.00	1.00	0.00
9.66	14.89	2.00	0.00	1.00	0.00	9.68	15.19	2.00	0.00	1.00	0.00
9.70	15.17	2.00	0.00	1.00	0.00	9.72	15.47	2.00	0.00	1.00	0.00
9.74	16.20	2.00	0.00	1.00	0.00	9.76	16.71	2.00	0.00	1.00	0.00
9.78	17.44	2.00	0.00	1.00	0.00	9.80	18.04	2.00	0.00	1.00	0.00
9.82	18.88	2.00	0.00	1.00	0.00	9.84	18.00	2.00	0.00	1.00	0.00
9.86	17.55	2.00	0.00	1.00	0.00	9.88	16.46	2.00	0.00	1.00	0.00
9.90	15.49	2.00	0.00	1.00	0.00	9.92	14.08	2.00	0.00	1.00	0.00
9.94	13.56	2.00	0.00	1.00	0.00	9.96	13.33	2.00	0.00	1.00	0.00
9.98	12.80	2.00	0.00	1.00	0.00	10.00	12.36	2.00	0.00	1.00	0.00
10.02	12.35	2.00	0.00	1.00	0.00	10.04	12.43	2.00	0.00	1.00	0.00
10.06	12.31	2.00	0.00	1.00	0.00	10.08	12.41	2.00	0.00	1.00	0.00
10.10	12.71	2.00	0.00	1.00	0.00	10.12	12.70	2.00	0.00	1.00	0.00
10.14	12.46	2.00	0.00	1.00	0.00	10.16	12.77	2.00	0.00	1.00	0.00
10.18	12.76	2.00	0.00	1.00	0.00	10.20	12.74	2.00	0.00	1.00	0.00
10.22	12.83	2.00	0.00	1.00	0.00	10.24	13.23	2.00	0.00	1.00	0.00
10.26	14.06	2.00	0.00	1.00	0.00	10.28	13.73	2.00	0.00	1.00	0.00
10.30	13.29	2.00	0.00	1.00	0.00	10.32	13.48	2.00	0.00	1.00	0.00
10.34	13.47	2.00	0.00	1.00	0.00	10.36	13.35	2.00	0.00	1.00	0.00
10.38	13.32	2.00	0.00	1.00	0.00	10.40	13.41	2.00	0.00	1.00	0.00
10.42	13.81	2.00	0.00	1.00	0.00	10.44	14.52	2.00	0.00	1.00	0.00
10.46	14.50	2.00	0.00	1.00	0.00	10.48	14.80	2.00	0.00	1.00	0.00
10.50	14.99	2.00	0.00	1.00	0.00	10.52	15.38	2.00	0.00	1.00	0.00
10.54	15.37	2.00	0.00	1.00	0.00	10.56	15.25	2.00	0.00	1.00	0.00
10.58	15.34	2.00	0.00	1.00	0.00	10.60	15.53	2.00	0.00	1.00	0.00
10.62	16.02	2.00	0.00	1.00	0.00	10.64	16.42	2.00	0.00	1.00	0.00
10.66	16.92	2.00	0.00	1.00	0.00	10.68	16.80	2.00	0.00	1.00	0.00
10.70	16.78	2.00	0.00	1.00	0.00	10.72	17.16	2.00	0.00	1.00	0.00
10.74	17.86	2.00	0.00	1.00	0.00	10.76	17.33	2.00	0.00	1.00	0.00
10.78	16.69	2.00	0.00	1.00	0.00	10.80	15.75	2.00	0.00	1.00	0.00
10.82	14.72	2.00	0.00	1.00	0.00	10.84	13.38	2.00	0.00	1.00	0.00
10.86	12.34	2.00	0.00	1.00	0.00	10.88	11.61	2.00	0.00	1.00	0.00
10.90	11.19	2.00	0.00	1.00	0.00	10.92	11.96	2.00	0.00	1.00	0.00
10.94	11.56	2.00	0.00	1.00	0.00	10.96	11.35	2.00	0.00	1.00	0.00
10.98	11.14	2.00	0.00	1.00	0.00	11.00	11.33	2.00	0.00	1.00	0.00
11.02	11.72	2.00	0.00	1.00	0.00	11.04	12.32	2.00	0.00	1.00	0.00
11.06	12.72	2.00	0.00	1.00	0.00	11.08	13.42	2.00	0.00	1.00	0.00
11.10	14.92	2.00	0.00	1.00	0.00	11.12	16.63	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.14	16.82	2.00	0.00	1.00	0.00	11.16	17.11	2.00	0.00	1.00	0.00
11.18	18.41	2.00	0.00	1.00	0.00	11.20	18.91	2.00	0.00	1.00	0.00
11.22	18.49	2.00	0.00	1.00	0.00	11.24	18.48	2.00	0.00	1.00	0.00
11.26	19.07	2.00	0.00	1.00	0.00	11.28	20.47	2.00	0.00	1.00	0.00
11.30	21.77	2.00	0.00	1.00	0.00	11.32	22.87	2.00	0.00	1.00	0.00
11.34	23.96	2.00	0.00	1.00	0.00	11.36	24.74	2.00	0.00	1.00	0.00
11.38	25.43	2.00	0.00	1.00	0.00	11.40	26.11	2.00	0.00	1.00	0.00
11.42	25.99	2.00	0.00	1.00	0.00	11.44	25.48	2.00	0.00	1.00	0.00
11.46	85.95	0.53	3.74	1.00	0.07	11.48	88.59	0.54	3.63	1.00	0.07
11.50	89.24	0.54	3.60	1.00	0.07	11.52	88.21	0.54	3.64	1.00	0.07
11.54	86.94	0.53	3.70	1.00	0.07	11.56	84.86	0.52	3.79	1.00	0.08
11.58	82.53	0.51	3.89	1.00	0.08	11.60	80.55	0.50	3.98	1.00	0.08
11.62	79.45	0.50	4.04	1.00	0.08	11.64	79.12	0.49	4.05	1.00	0.08
11.66	79.65	0.50	4.03	1.00	0.08	11.68	80.25	0.50	4.00	1.00	0.08
11.70	80.69	0.50	3.98	1.00	0.08	11.72	79.92	0.50	4.01	1.00	0.08
11.74	22.54	2.00	0.00	1.00	0.00	11.76	24.22	2.00	0.00	1.00	0.00
11.78	83.99	0.52	3.82	1.00	0.08	11.80	84.62	0.52	3.80	1.00	0.08
11.82	84.26	0.52	3.81	1.00	0.08	11.84	83.79	0.52	3.83	1.00	0.08
11.86	84.40	0.52	3.81	1.00	0.08	11.88	84.36	0.52	3.81	1.00	0.08
11.92	85.00	0.52	3.78	1.00	0.15	11.94	85.44	0.53	3.76	1.00	0.08
11.96	85.56	0.53	3.76	1.00	0.08	11.98	85.76	0.53	3.75	1.00	0.07
12.00	85.70	0.53	3.75	1.00	0.07	12.02	85.03	0.53	3.78	1.00	0.08
12.04	83.84	0.52	3.83	1.00	0.08	12.06	82.19	0.51	3.91	1.00	0.08
12.08	81.13	0.51	3.95	1.00	0.08	12.10	81.31	0.51	3.95	1.00	0.08
12.12	82.97	0.52	3.87	1.00	0.08	12.14	85.04	0.53	3.78	1.00	0.08
12.16	87.48	0.54	3.67	1.00	0.07	12.18	87.66	0.54	3.67	1.00	0.07
12.20	86.84	0.54	3.70	1.00	0.07	12.22	86.63	0.53	3.71	1.00	0.07
12.24	86.93	0.54	3.70	1.00	0.07	12.26	86.72	0.54	3.71	1.00	0.07
12.28	86.12	0.53	3.73	1.00	0.07	12.30	85.31	0.53	3.77	1.00	0.08
12.32	84.01	0.52	3.82	1.00	0.08	12.34	82.92	0.52	3.87	1.00	0.08
12.36	82.00	0.51	3.91	1.00	0.08	12.38	82.53	0.51	3.89	1.00	0.08
12.40	83.03	0.52	3.87	1.00	0.08	12.42	84.48	0.52	3.80	1.00	0.08
12.44	84.94	0.53	3.78	1.00	0.08	12.46	85.19	0.53	3.77	1.00	0.08
12.48	85.33	0.53	3.77	1.00	0.08	12.50	85.09	0.53	3.78	1.00	0.08
12.52	85.02	0.53	3.78	1.00	0.08	12.54	84.91	0.53	3.78	1.00	0.08
12.56	84.32	0.53	3.81	1.00	0.08	12.58	83.89	0.52	3.83	1.00	0.08
12.60	83.77	0.52	3.83	1.00	0.08	12.62	84.07	0.52	3.82	1.00	0.08
12.64	84.08	0.52	3.82	1.00	0.08	12.66	83.88	0.52	3.83	1.00	0.08
12.68	83.63	0.52	3.84	1.00	0.08	12.70	84.17	0.53	3.82	1.00	0.08
12.72	84.46	0.53	3.80	1.00	0.08	12.74	85.63	0.53	3.75	1.00	0.08
12.76	86.84	0.54	3.70	1.00	0.07	12.78	88.43	0.55	3.64	1.00	0.07
12.80	88.55	0.55	3.63	1.00	0.07	12.82	87.54	0.54	3.67	1.00	0.07
12.84	85.64	0.53	3.75	1.00	0.08	12.86	83.52	0.52	3.85	1.00	0.08
12.88	81.21	0.51	3.95	1.00	0.08	12.90	82.07	0.52	3.91	1.00	0.08
12.92	84.01	0.53	3.82	1.00	0.08	12.94	86.17	0.54	3.73	1.00	0.07
12.96	88.90	0.55	3.62	1.00	0.07	12.98	91.18	0.57	3.53	1.00	0.07
13.00	93.74	0.58	3.43	1.00	0.07	13.02	96.66	0.60	3.33	1.00	0.07
13.04	99.77	0.62	3.22	1.00	0.06	13.06	102.05	0.64	3.15	1.00	0.06

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
13.08	101.54	0.64	3.16	1.00	0.06	13.10	99.17	0.62	3.24	1.00	0.06
13.12	96.89	0.60	3.32	1.00	0.07	13.14	92.54	0.58	3.48	1.00	0.07
13.16	86.62	0.54	3.71	1.00	0.07	13.18	82.51	0.52	3.89	1.00	0.08
13.20	80.24	0.51	4.00	1.00	0.08	13.22	78.63	0.50	4.08	1.00	0.08
13.24	77.60	0.50	4.13	1.00	0.08	13.26	76.47	0.49	4.19	1.00	0.08
13.28	75.52	0.49	4.24	1.00	0.08	13.30	74.88	0.49	4.27	1.00	0.09
13.32	74.67	0.49	4.28	1.00	0.09	13.34	75.69	0.49	4.23	1.00	0.08
13.36	78.19	0.50	4.10	1.00	0.08	13.38	83.36	0.53	3.85	1.00	0.08
13.40	86.56	0.54	3.71	1.00	0.07	13.42	88.60	0.56	3.63	1.00	0.07
13.44	90.11	0.56	3.57	1.00	0.07	13.46	89.48	0.56	3.59	1.00	0.07
13.48	86.81	0.55	3.70	1.00	0.07	13.50	83.32	0.53	3.85	1.00	0.08
13.52	80.17	0.51	4.00	1.00	0.08	13.54	79.46	0.51	4.04	1.00	0.08
13.56	79.20	0.51	4.05	1.00	0.08	13.58	80.01	0.51	4.01	1.00	0.08
13.60	81.72	0.52	3.93	1.00	0.08	13.62	84.42	0.53	3.81	1.00	0.08
13.64	87.10	0.55	3.69	1.00	0.07	13.66	89.18	0.56	3.61	1.00	0.07
13.68	91.28	0.57	3.52	1.00	0.07	13.70	92.27	0.58	3.49	1.00	0.07
13.72	92.41	0.58	3.48	1.00	0.07	13.74	91.44	0.57	3.52	1.00	0.07
13.76	89.81	0.57	3.58	1.00	0.07	13.78	86.84	0.55	3.70	1.00	0.07
13.80	83.49	0.53	3.85	1.00	0.08	13.82	81.36	0.52	3.94	1.00	0.08
13.84	82.06	0.52	3.91	1.00	0.08	13.86	82.70	0.53	3.88	1.00	0.08
13.88	82.67	0.53	3.88	1.00	0.08	13.90	82.38	0.53	3.90	1.00	0.08
13.92	83.44	0.53	3.85	1.00	0.08	13.94	84.23	0.54	3.81	1.00	0.08
13.96	85.59	0.54	3.75	1.00	0.08	13.98	85.82	0.54	3.74	1.00	0.07
14.00	85.81	0.54	3.74	1.00	0.07	14.02	85.57	0.54	3.76	1.00	0.08
14.04	86.52	0.55	3.71	1.00	0.07	14.06	88.20	0.56	3.64	1.00	0.07
14.08	86.40	0.55	3.72	1.00	0.07	14.10	82.44	0.53	3.89	1.00	0.08
14.12	80.86	0.52	3.97	1.00	0.08	14.14	79.95	0.52	4.01	1.00	0.08
14.16	79.22	0.51	4.05	1.00	0.08	14.18	78.24	0.51	4.10	1.00	0.08
14.20	19.59	2.00	0.00	1.00	0.00	14.22	18.66	2.00	0.00	1.00	0.00
14.24	19.48	2.00	0.00	1.00	0.00	14.26	19.20	2.00	0.00	1.00	0.00
14.28	18.46	2.00	0.00	1.00	0.00	14.30	18.63	2.00	0.00	1.00	0.00
14.32	21.10	2.00	0.00	1.00	0.00	14.34	23.27	2.00	0.00	1.00	0.00
14.36	25.56	2.00	0.00	1.00	0.00	14.38	30.81	2.00	0.00	1.00	0.00
14.40	99.09	0.63	3.24	1.00	0.06	14.42	105.63	0.68	3.04	1.00	0.06
14.44	108.54	0.71	2.95	1.00	0.06	14.46	106.04	0.69	3.02	1.00	0.06
14.48	97.00	0.62	3.31	1.00	0.07	14.50	83.87	0.54	3.83	1.00	0.08
14.52	72.80	0.49	4.39	1.00	0.09	14.54	69.65	0.47	4.57	1.00	0.09
14.56	70.66	0.48	4.51	1.00	0.09	14.58	73.11	0.49	4.37	1.00	0.09
14.60	73.48	0.49	4.35	1.00	0.09	14.62	73.93	0.49	4.32	1.00	0.09
14.64	75.52	0.50	4.24	1.00	0.08	14.66	76.96	0.51	4.16	1.00	0.08
14.68	76.34	0.51	4.19	1.00	0.08	14.70	75.01	0.50	4.26	1.00	0.09
14.72	74.96	0.50	4.27	1.00	0.09	14.74	76.78	0.51	4.17	1.00	0.08
14.76	78.56	0.52	4.08	1.00	0.08	14.78	81.90	0.53	3.92	1.00	0.08
14.80	87.41	0.56	3.68	1.00	0.07	14.82	92.46	0.59	3.48	1.00	0.07
14.84	93.99	0.60	3.42	1.00	0.07	14.86	92.85	0.59	3.46	1.00	0.07
14.88	92.15	0.59	3.49	1.00	0.07	14.90	94.87	0.61	3.39	1.00	0.07
14.92	96.53	0.62	3.33	1.00	0.07	14.94	97.24	0.63	3.31	1.00	0.07
14.96	97.43	0.63	3.30	1.00	0.07	14.98	97.45	0.63	3.30	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)
15.00	97.23	0.63	3.31	1.00	0.07						

Total estimated settlement: 15.44**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

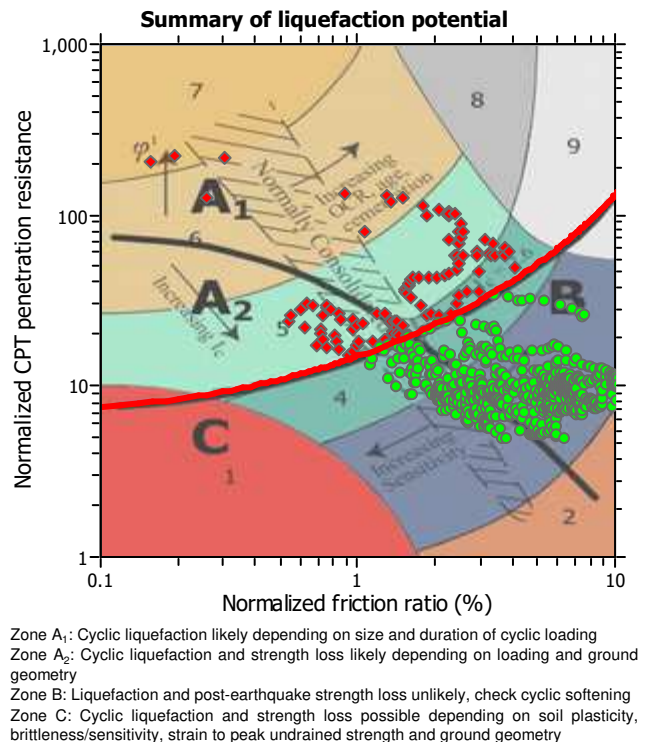
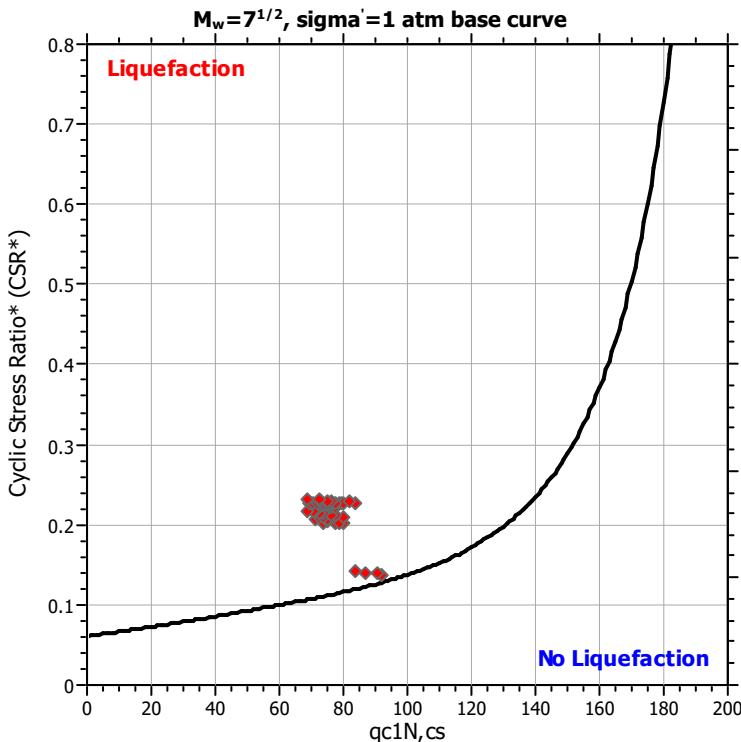
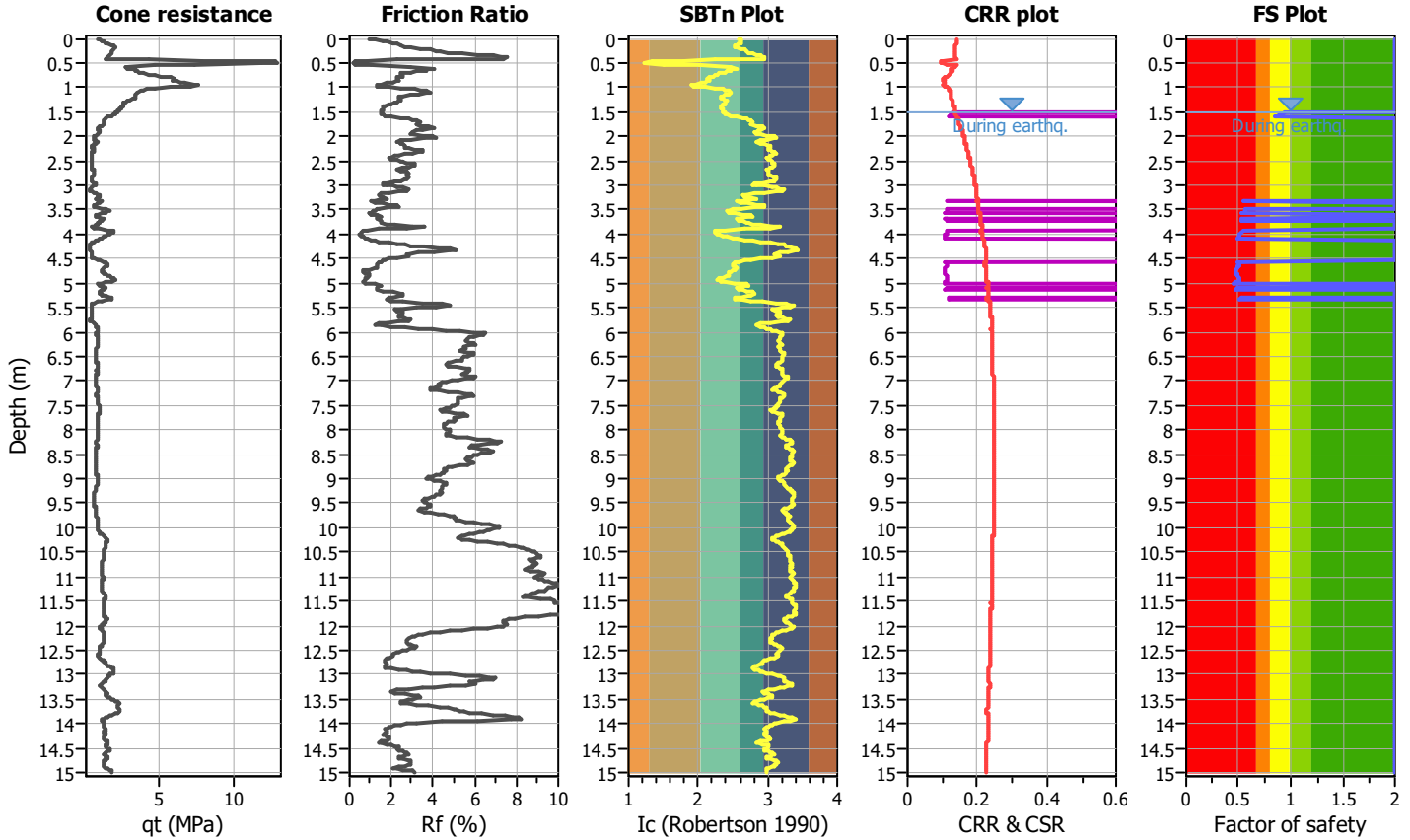
Project title :

Location :

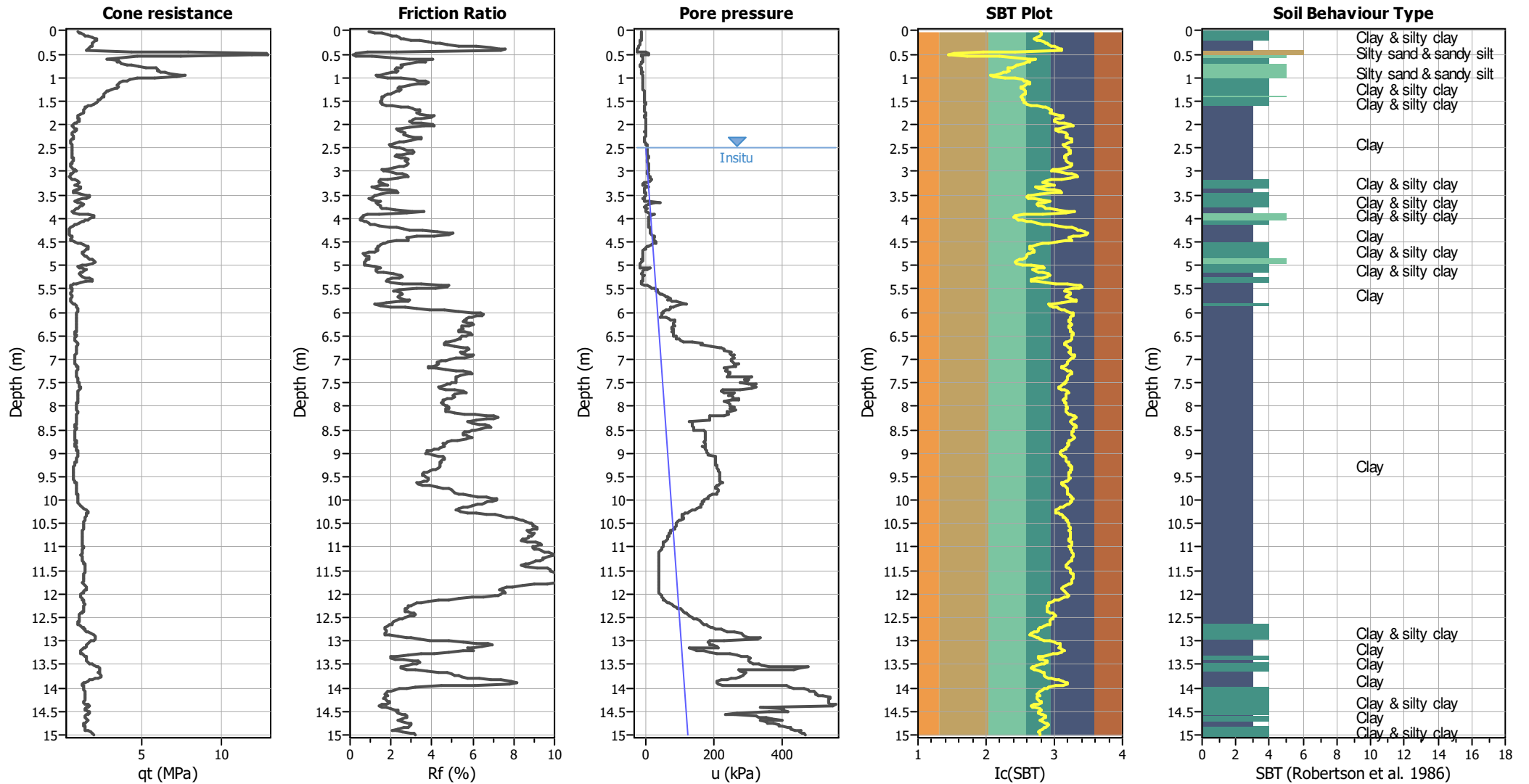
CPT file : cptu9

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	15.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



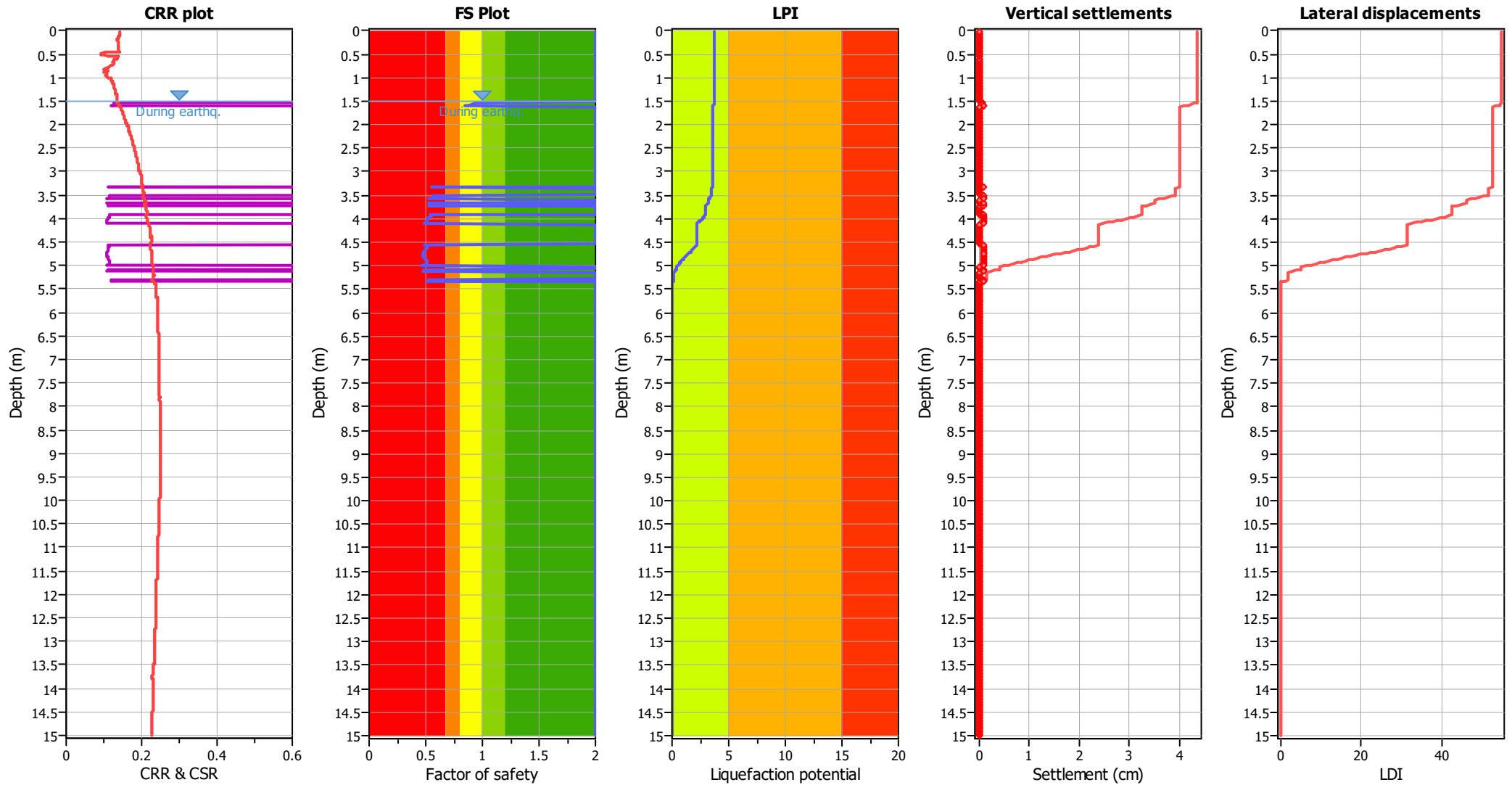
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	15.00 m

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
0.02	2.00	0.00	9.99	0.02	0.00	0.04	2.00	0.00	9.98	0.02	0.00
0.06	2.00	0.00	9.97	0.02	0.00	0.08	2.00	0.00	9.96	0.02	0.00
0.10	2.00	0.00	9.95	0.02	0.00	0.12	2.00	0.00	9.94	0.02	0.00
0.14	2.00	0.00	9.93	0.02	0.00	0.16	2.00	0.00	9.92	0.02	0.00
0.18	2.00	0.00	9.91	0.02	0.00	0.20	2.00	0.00	9.90	0.02	0.00
0.22	2.00	0.00	9.89	0.02	0.00	0.24	2.00	0.00	9.88	0.02	0.00
0.26	2.00	0.00	9.87	0.02	0.00	0.28	2.00	0.00	9.86	0.02	0.00
0.30	2.00	0.00	9.85	0.02	0.00	0.32	2.00	0.00	9.84	0.02	0.00
0.34	2.00	0.00	9.83	0.02	0.00	0.36	2.00	0.00	9.82	0.02	0.00
0.38	2.00	0.00	9.81	0.02	0.00	0.40	2.00	0.00	9.80	0.02	0.00
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
0.60	2.00	0.00	9.70	0.04	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	0.94	0.06	9.24	0.02	0.01	1.54	0.93	0.07	9.23	0.02	0.01
1.56	0.91	0.09	9.22	0.02	0.02	1.58	0.87	0.13	9.21	0.02	0.02
1.60	0.84	0.16	9.20	0.02	0.03	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
1.96	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	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	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	2.00	0.00	8.47	0.02	0.00
3.08	2.00	0.00	8.46	0.02	0.00	3.10	2.00	0.00	8.45	0.02	0.00
3.12	2.00	0.00	8.44	0.02	0.00	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	0.55	0.45	8.33	0.02	0.07
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	0.56	0.44	8.25	0.02	0.07
3.52	0.57	0.43	8.24	0.02	0.07	3.54	0.57	0.43	8.23	0.02	0.07
3.56	0.55	0.45	8.22	0.02	0.07	3.58	0.52	0.48	8.21	0.02	0.08
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	0.52	0.48	8.16	0.02	0.08	3.70	0.54	0.46	8.15	0.02	0.08
3.72	0.53	0.47	8.14	0.02	0.08	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
3.88	2.00	0.00	8.06	0.02	0.00	3.90	2.00	0.00	8.05	0.02	0.00
3.92	0.54	0.46	8.04	0.02	0.07	3.94	0.55	0.45	8.03	0.02	0.07
3.96	0.54	0.46	8.02	0.02	0.07	3.98	0.53	0.47	8.01	0.02	0.08
4.00	0.52	0.48	8.00	0.02	0.08	4.02	0.51	0.49	7.99	0.02	0.08
4.04	0.51	0.49	7.98	0.02	0.08	4.06	0.50	0.50	7.97	0.02	0.08
4.08	0.50	0.50	7.96	0.02	0.08	4.10	0.49	0.51	7.95	0.02	0.08
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	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	0.49	0.51	7.72	0.02	0.08	4.58	0.51	0.49	7.71	0.02	0.08
4.60	0.51	0.49	7.70	0.02	0.08	4.62	0.51	0.49	7.69	0.02	0.08
4.64	0.50	0.50	7.68	0.02	0.08	4.66	0.50	0.50	7.67	0.02	0.08
4.68	0.49	0.51	7.66	0.02	0.08	4.70	0.48	0.52	7.65	0.02	0.08
4.72	0.47	0.53	7.64	0.02	0.08	4.74	0.47	0.53	7.63	0.02	0.08
4.76	0.47	0.53	7.62	0.02	0.08	4.78	0.47	0.53	7.61	0.02	0.08
4.80	0.48	0.52	7.60	0.02	0.08	4.82	0.49	0.51	7.59	0.02	0.08
4.84	0.49	0.51	7.58	0.02	0.08	4.86	0.50	0.50	7.57	0.02	0.08
4.88	0.50	0.50	7.56	0.02	0.08	4.90	0.51	0.49	7.55	0.02	0.07
4.92	0.51	0.49	7.54	0.02	0.07	4.94	0.51	0.49	7.53	0.02	0.07
4.96	0.50	0.50	7.52	0.02	0.08	4.98	0.48	0.52	7.51	0.02	0.08
5.00	0.46	0.54	7.50	0.02	0.08	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	0.49	0.51	7.46	0.02	0.08	5.10	0.48	0.52	7.45	0.02	0.08
5.12	0.47	0.53	7.44	0.02	0.08	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	0.52	0.48	7.35	0.02	0.07
5.32	0.52	0.48	7.34	0.02	0.07	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

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

Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
5.80	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
6.20	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
7.72	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
8.12	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	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

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.64	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	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

:: 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
11.56	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	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

:: 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
13.48	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	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	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: 3.69

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

:: 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)
1.50	93.02	2.00	0.00	1.00	0.00	1.52	92.07	0.94	2.76	1.00	0.06
1.54	91.98	0.93	3.04	1.00	0.06	1.56	90.71	0.91	3.55	1.00	0.07
1.58	87.13	0.87	3.69	1.00	0.07	1.60	84.03	0.84	3.82	1.00	0.08
1.62	23.13	2.00	0.00	1.00	0.00	1.64	22.05	2.00	0.00	1.00	0.00
1.66	23.12	2.00	0.00	1.00	0.00	1.68	21.67	2.00	0.00	1.00	0.00
1.70	20.07	2.00	0.00	1.00	0.00	1.72	20.75	2.00	0.00	1.00	0.00
1.74	23.23	2.00	0.00	1.00	0.00	1.76	22.52	2.00	0.00	1.00	0.00
1.78	18.22	2.00	0.00	1.00	0.00	1.80	15.54	2.00	0.00	1.00	0.00
1.82	14.27	2.00	0.00	1.00	0.00	1.84	14.08	2.00	0.00	1.00	0.00
1.86	15.15	2.00	0.00	1.00	0.00	1.88	16.37	2.00	0.00	1.00	0.00
1.90	17.42	2.00	0.00	1.00	0.00	1.92	17.60	2.00	0.00	1.00	0.00
1.94	16.16	2.00	0.00	1.00	0.00	1.96	14.18	2.00	0.00	1.00	0.00
1.98	12.03	2.00	0.00	1.00	0.00	2.00	10.39	2.00	0.00	1.00	0.00
2.02	9.32	2.00	0.00	1.00	0.00	2.04	9.49	2.00	0.00	1.00	0.00
2.06	10.74	2.00	0.00	1.00	0.00	2.08	12.33	2.00	0.00	1.00	0.00
2.10	14.09	2.00	0.00	1.00	0.00	2.12	14.27	2.00	0.00	1.00	0.00
2.14	13.01	2.00	0.00	1.00	0.00	2.16	10.69	2.00	0.00	1.00	0.00
2.18	9.58	2.00	0.00	1.00	0.00	2.20	8.49	2.00	0.00	1.00	0.00
2.22	9.21	2.00	0.00	1.00	0.00	2.24	9.39	2.00	0.00	1.00	0.00
2.26	11.33	2.00	0.00	1.00	0.00	2.28	10.96	2.00	0.00	1.00	0.00
2.30	9.87	2.00	0.00	1.00	0.00	2.32	8.98	2.00	0.00	1.00	0.00
2.34	7.89	2.00	0.00	1.00	0.00	2.36	7.69	2.00	0.00	1.00	0.00
2.38	7.83	2.00	0.00	1.00	0.00	2.40	8.14	2.00	0.00	1.00	0.00
2.42	8.27	2.00	0.00	1.00	0.00	2.44	8.73	2.00	0.00	1.00	0.00
2.46	8.69	2.00	0.00	1.00	0.00	2.48	7.99	2.00	0.00	1.00	0.00
2.50	7.79	2.00	0.00	1.00	0.00	2.52	8.58	2.00	0.00	1.00	0.00
2.54	8.73	2.00	0.00	1.00	0.00	2.56	8.88	2.00	0.00	1.00	0.00
2.58	8.36	2.00	0.00	1.00	0.00	2.60	8.51	2.00	0.00	1.00	0.00
2.62	8.66	2.00	0.00	1.00	0.00	2.64	7.97	2.00	0.00	1.00	0.00
2.66	8.62	2.00	0.00	1.00	0.00	2.68	8.76	2.00	0.00	1.00	0.00
2.70	9.40	2.00	0.00	1.00	0.00	2.72	9.55	2.00	0.00	1.00	0.00
2.74	9.67	2.00	0.00	1.00	0.00	2.76	9.49	2.00	0.00	1.00	0.00
2.78	9.62	2.00	0.00	1.00	0.00	2.80	8.96	2.00	0.00	1.00	0.00
2.82	7.64	2.00	0.00	1.00	0.00	2.84	7.45	2.00	0.00	1.00	0.00
2.86	7.44	2.00	0.00	1.00	0.00	2.88	7.58	2.00	0.00	1.00	0.00
2.90	7.57	2.00	0.00	1.00	0.00	2.92	7.07	2.00	0.00	1.00	0.00
2.94	9.15	2.00	0.00	1.00	0.00	2.96	11.55	2.00	0.00	1.00	0.00
2.98	13.25	2.00	0.00	1.00	0.00	3.00	11.64	2.00	0.00	1.00	0.00
3.02	9.05	2.00	0.00	1.00	0.00	3.04	7.43	2.00	0.00	1.00	0.00
3.06	7.10	2.00	0.00	1.00	0.00	3.08	6.43	2.00	0.00	1.00	0.00
3.10	5.61	2.00	0.00	1.00	0.00	3.12	5.76	2.00	0.00	1.00	0.00
3.14	6.55	2.00	0.00	1.00	0.00	3.16	8.30	2.00	0.00	1.00	0.00
3.18	11.28	2.00	0.00	1.00	0.00	3.20	13.94	2.00	0.00	1.00	0.00
3.22	15.79	2.00	0.00	1.00	0.00	3.24	16.42	2.00	0.00	1.00	0.00
3.26	13.31	2.00	0.00	1.00	0.00	3.28	10.16	2.00	0.00	1.00	0.00
3.30	10.16	2.00	0.00	1.00	0.00	3.32	15.74	2.00	0.00	1.00	0.00
3.34	73.77	0.55	4.33	1.00	0.09	3.36	16.32	2.00	0.00	1.00	0.00
3.38	13.51	2.00	0.00	1.00	0.00	3.40	11.16	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)
3.42	10.20	2.00	0.00	1.00	0.00	3.44	8.61	2.00	0.00	1.00	0.00
3.46	10.33	2.00	0.00	1.00	0.00	3.48	16.76	2.00	0.00	1.00	0.00
3.50	77.68	0.56	4.12	1.00	0.08	3.52	79.70	0.57	4.02	1.00	0.08
3.54	79.01	0.57	4.06	1.00	0.08	3.56	75.30	0.55	4.25	1.00	0.08
3.58	71.11	0.52	4.48	1.00	0.09	3.60	12.66	2.00	0.00	1.00	0.00
3.62	10.79	2.00	0.00	1.00	0.00	3.64	10.16	2.00	0.00	1.00	0.00
3.66	12.59	2.00	0.00	1.00	0.00	3.68	72.44	0.52	4.41	1.00	0.09
3.70	75.08	0.54	4.26	1.00	0.09	3.72	73.73	0.53	4.33	1.00	0.09
3.74	15.67	2.00	0.00	1.00	0.00	3.76	13.68	2.00	0.00	1.00	0.00
3.78	13.06	2.00	0.00	1.00	0.00	3.80	13.18	2.00	0.00	1.00	0.00
3.82	11.03	2.00	0.00	1.00	0.00	3.84	8.44	2.00	0.00	1.00	0.00
3.86	6.60	2.00	0.00	1.00	0.00	3.88	6.73	2.00	0.00	1.00	0.00
3.90	12.65	2.00	0.00	1.00	0.00	3.92	77.76	0.54	4.12	1.00	0.08
3.94	79.75	0.55	4.02	1.00	0.08	3.96	77.61	0.54	4.13	1.00	0.08
3.98	76.03	0.53	4.21	1.00	0.08	4.00	73.94	0.52	4.32	1.00	0.09
4.02	72.24	0.51	4.42	1.00	0.09	4.04	72.24	0.51	4.42	1.00	0.09
4.06	71.18	0.50	4.48	1.00	0.09	4.08	70.46	0.50	4.52	1.00	0.09
4.10	68.86	0.49	4.62	1.00	0.09	4.12	11.97	2.00	0.00	1.00	0.00
4.14	9.87	2.00	0.00	1.00	0.00	4.16	8.35	2.00	0.00	1.00	0.00
4.18	7.00	2.00	0.00	1.00	0.00	4.20	5.60	2.00	0.00	1.00	0.00
4.22	5.59	2.00	0.00	1.00	0.00	4.24	5.73	2.00	0.00	1.00	0.00
4.26	5.57	2.00	0.00	1.00	0.00	4.28	5.57	2.00	0.00	1.00	0.00
4.30	4.96	2.00	0.00	1.00	0.00	4.32	4.95	2.00	0.00	1.00	0.00
4.34	5.25	2.00	0.00	1.00	0.00	4.36	5.69	2.00	0.00	1.00	0.00
4.38	7.16	2.00	0.00	1.00	0.00	4.40	8.04	2.00	0.00	1.00	0.00
4.42	7.73	2.00	0.00	1.00	0.00	4.44	6.55	2.00	0.00	1.00	0.00
4.46	6.39	2.00	0.00	1.00	0.00	4.48	6.53	2.00	0.00	1.00	0.00
4.50	9.45	2.00	0.00	1.00	0.00	4.52	12.49	2.00	0.00	1.00	0.00
4.54	14.50	2.00	0.00	1.00	0.00	4.56	73.15	0.49	4.37	1.00	0.09
4.58	76.52	0.51	4.18	1.00	0.08	4.60	77.50	0.51	4.13	1.00	0.08
4.62	77.20	0.51	4.15	1.00	0.08	4.64	76.22	0.50	4.20	1.00	0.08
4.66	74.94	0.50	4.27	1.00	0.09	4.68	73.56	0.49	4.34	1.00	0.09
4.70	72.14	0.48	4.42	1.00	0.09	4.72	70.22	0.47	4.54	1.00	0.09
4.74	69.14	0.47	4.60	1.00	0.09	4.76	69.56	0.47	4.58	1.00	0.09
4.78	70.49	0.47	4.52	1.00	0.09	4.80	72.03	0.48	4.43	1.00	0.09
4.82	73.53	0.49	4.34	1.00	0.09	4.84	74.88	0.49	4.27	1.00	0.09
4.86	76.32	0.50	4.19	1.00	0.08	4.88	76.99	0.50	4.16	1.00	0.08
4.90	78.50	0.51	4.08	1.00	0.08	4.92	79.29	0.51	4.04	1.00	0.08
4.94	79.73	0.51	4.02	1.00	0.08	4.96	77.50	0.50	4.13	1.00	0.08
4.98	72.71	0.48	4.39	1.00	0.09	5.00	68.52	0.46	4.64	1.00	0.09
5.02	11.68	2.00	0.00	1.00	0.00	5.04	11.38	2.00	0.00	1.00	0.00
5.06	15.55	2.00	0.00	1.00	0.00	5.08	76.09	0.49	4.21	1.00	0.08
5.10	74.83	0.48	4.27	1.00	0.09	5.12	72.58	0.47	4.40	1.00	0.09
5.14	15.20	2.00	0.00	1.00	0.00	5.16	14.19	2.00	0.00	1.00	0.00
5.18	13.76	2.00	0.00	1.00	0.00	5.20	13.05	2.00	0.00	1.00	0.00
5.22	14.95	2.00	0.00	1.00	0.00	5.24	16.03	2.00	0.00	1.00	0.00
5.26	16.83	2.00	0.00	1.00	0.00	5.28	20.88	2.00	0.00	1.00	0.00
5.30	83.52	0.52	3.85	1.00	0.08	5.32	82.09	0.52	3.91	1.00	0.08

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
5.34	19.46	2.00	0.00	1.00	0.00	5.36	14.15	2.00	0.00	1.00	0.00
5.38	10.28	2.00	0.00	1.00	0.00	5.40	8.34	2.00	0.00	1.00	0.00
5.42	7.09	2.00	0.00	1.00	0.00	5.44	6.10	2.00	0.00	1.00	0.00
5.46	5.95	2.00	0.00	1.00	0.00	5.48	5.66	2.00	0.00	1.00	0.00
5.50	6.35	2.00	0.00	1.00	0.00	5.52	7.58	2.00	0.00	1.00	0.00
5.54	7.16	2.00	0.00	1.00	0.00	5.56	6.60	2.00	0.00	1.00	0.00
5.58	6.31	2.00	0.00	1.00	0.00	5.60	5.90	2.00	0.00	1.00	0.00
5.62	6.31	2.00	0.00	1.00	0.00	5.64	6.71	2.00	0.00	1.00	0.00
5.66	6.97	2.00	0.00	1.00	0.00	5.68	6.56	2.00	0.00	1.00	0.00
5.70	6.00	2.00	0.00	1.00	0.00	5.72	5.44	2.00	0.00	1.00	0.00
5.74	5.02	2.00	0.00	1.00	0.00	5.76	4.88	2.00	0.00	1.00	0.00
5.78	5.44	2.00	0.00	1.00	0.00	5.80	6.93	2.00	0.00	1.00	0.00
5.82	8.55	2.00	0.00	1.00	0.00	5.84	9.36	2.00	0.00	1.00	0.00
5.86	9.88	2.00	0.00	1.00	0.00	5.88	10.27	2.00	0.00	1.00	0.00
5.90	10.65	2.00	0.00	1.00	0.00	5.92	10.91	2.00	0.00	1.00	0.00
5.94	11.42	2.00	0.00	1.00	0.00	5.96	11.42	2.00	0.00	1.00	0.00
5.98	11.01	2.00	0.00	1.00	0.00	6.00	10.73	2.00	0.00	1.00	0.00
6.02	10.18	2.00	0.00	1.00	0.00	6.04	9.91	2.00	0.00	1.00	0.00
6.06	10.16	2.00	0.00	1.00	0.00	6.08	10.14	2.00	0.00	1.00	0.00
6.10	10.53	2.00	0.00	1.00	0.00	6.12	10.64	2.00	0.00	1.00	0.00
6.14	10.12	2.00	0.00	1.00	0.00	6.16	10.23	2.00	0.00	1.00	0.00
6.18	10.48	2.00	0.00	1.00	0.00	6.20	10.47	2.00	0.00	1.00	0.00
6.22	10.59	2.00	0.00	1.00	0.00	6.24	10.18	2.00	0.00	1.00	0.00
6.26	10.04	2.00	0.00	1.00	0.00	6.28	10.16	2.00	0.00	1.00	0.00
6.30	10.53	2.00	0.00	1.00	0.00	6.32	10.52	2.00	0.00	1.00	0.00
6.34	9.86	2.00	0.00	1.00	0.00	6.36	9.31	2.00	0.00	1.00	0.00
6.38	9.82	2.00	0.00	1.00	0.00	6.40	9.55	2.00	0.00	1.00	0.00
6.42	9.28	2.00	0.00	1.00	0.00	6.44	9.14	2.00	0.00	1.00	0.00
6.46	9.25	2.00	0.00	1.00	0.00	6.48	9.24	2.00	0.00	1.00	0.00
6.50	9.49	2.00	0.00	1.00	0.00	6.52	9.21	2.00	0.00	1.00	0.00
6.54	9.20	2.00	0.00	1.00	0.00	6.56	8.93	2.00	0.00	1.00	0.00
6.58	8.92	2.00	0.00	1.00	0.00	6.60	9.03	2.00	0.00	1.00	0.00
6.62	9.54	2.00	0.00	1.00	0.00	6.64	9.90	2.00	0.00	1.00	0.00
6.66	10.27	2.00	0.00	1.00	0.00	6.68	10.39	2.00	0.00	1.00	0.00
6.70	10.12	2.00	0.00	1.00	0.00	6.72	9.85	2.00	0.00	1.00	0.00
6.74	9.58	2.00	0.00	1.00	0.00	6.76	9.32	2.00	0.00	1.00	0.00
6.78	9.43	2.00	0.00	1.00	0.00	6.80	9.30	2.00	0.00	1.00	0.00
6.82	9.41	2.00	0.00	1.00	0.00	6.84	9.40	2.00	0.00	1.00	0.00
6.86	9.26	2.00	0.00	1.00	0.00	6.88	9.25	2.00	0.00	1.00	0.00
6.90	8.35	2.00	0.00	1.00	0.00	6.92	7.97	2.00	0.00	1.00	0.00
6.94	7.58	2.00	0.00	1.00	0.00	6.96	7.95	2.00	0.00	1.00	0.00
6.98	8.06	2.00	0.00	1.00	0.00	7.00	8.31	2.00	0.00	1.00	0.00
7.02	8.17	2.00	0.00	1.00	0.00	7.04	8.29	2.00	0.00	1.00	0.00
7.06	8.28	2.00	0.00	1.00	0.00	7.08	8.27	2.00	0.00	1.00	0.00
7.10	8.13	2.00	0.00	1.00	0.00	7.12	8.97	2.00	0.00	1.00	0.00
7.14	9.58	2.00	0.00	1.00	0.00	7.16	10.07	2.00	0.00	1.00	0.00
7.18	10.06	2.00	0.00	1.00	0.00	7.20	10.17	2.00	0.00	1.00	0.00
7.22	9.66	2.00	0.00	1.00	0.00	7.24	9.40	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)
7.26	9.14	2.00	0.00	1.00	0.00	7.28	8.76	2.00	0.00	1.00	0.00
7.30	8.75	2.00	0.00	1.00	0.00	7.32	9.36	2.00	0.00	1.00	0.00
7.34	9.35	2.00	0.00	1.00	0.00	7.36	9.58	2.00	0.00	1.00	0.00
7.38	9.33	2.00	0.00	1.00	0.00	7.40	9.32	2.00	0.00	1.00	0.00
7.42	9.55	2.00	0.00	1.00	0.00	7.44	9.79	2.00	0.00	1.00	0.00
7.46	9.89	2.00	0.00	1.00	0.00	7.48	10.36	2.00	0.00	1.00	0.00
7.50	10.47	2.00	0.00	1.00	0.00	7.52	10.58	2.00	0.00	1.00	0.00
7.54	10.57	2.00	0.00	1.00	0.00	7.56	10.68	2.00	0.00	1.00	0.00
7.58	11.27	2.00	0.00	1.00	0.00	7.60	11.99	2.00	0.00	1.00	0.00
7.62	11.96	2.00	0.00	1.00	0.00	7.64	11.35	2.00	0.00	1.00	0.00
7.66	10.61	2.00	0.00	1.00	0.00	7.68	9.63	2.00	0.00	1.00	0.00
7.70	9.38	2.00	0.00	1.00	0.00	7.72	9.73	2.00	0.00	1.00	0.00
7.74	9.94	2.00	0.00	1.00	0.00	7.76	9.93	2.00	0.00	1.00	0.00
7.78	9.67	2.00	0.00	1.00	0.00	7.80	9.54	2.00	0.00	1.00	0.00
7.82	9.77	2.00	0.00	1.00	0.00	7.84	10.12	2.00	0.00	1.00	0.00
7.86	10.23	2.00	0.00	1.00	0.00	7.88	9.85	2.00	0.00	1.00	0.00
7.90	9.48	2.00	0.00	1.00	0.00	7.92	9.11	2.00	0.00	1.00	0.00
7.94	9.22	2.00	0.00	1.00	0.00	7.96	8.97	2.00	0.00	1.00	0.00
7.98	8.84	2.00	0.00	1.00	0.00	8.00	8.95	2.00	0.00	1.00	0.00
8.02	9.06	2.00	0.00	1.00	0.00	8.04	8.94	2.00	0.00	1.00	0.00
8.06	8.80	2.00	0.00	1.00	0.00	8.08	8.92	2.00	0.00	1.00	0.00
8.10	9.45	2.00	0.00	1.00	0.00	8.12	9.44	2.00	0.00	1.00	0.00
8.14	9.19	2.00	0.00	1.00	0.00	8.16	9.18	2.00	0.00	1.00	0.00
8.18	8.82	2.00	0.00	1.00	0.00	8.20	8.92	2.00	0.00	1.00	0.00
8.22	8.44	2.00	0.00	1.00	0.00	8.24	8.43	2.00	0.00	1.00	0.00
8.26	8.42	2.00	0.00	1.00	0.00	8.28	8.65	2.00	0.00	1.00	0.00
8.30	8.98	2.00	0.00	1.00	0.00	8.32	9.32	2.00	0.00	1.00	0.00
8.34	8.96	2.00	0.00	1.00	0.00	8.36	8.72	2.00	0.00	1.00	0.00
8.38	8.24	2.00	0.00	1.00	0.00	8.40	8.12	2.00	0.00	1.00	0.00
8.42	7.98	2.00	0.00	1.00	0.00	8.44	8.21	2.00	0.00	1.00	0.00
8.46	8.08	2.00	0.00	1.00	0.00	8.48	8.30	2.00	0.00	1.00	0.00
8.50	8.18	2.00	0.00	1.00	0.00	8.52	7.71	2.00	0.00	1.00	0.00
8.54	7.93	2.00	0.00	1.00	0.00	8.56	8.03	2.00	0.00	1.00	0.00
8.58	8.02	2.00	0.00	1.00	0.00	8.60	8.01	2.00	0.00	1.00	0.00
8.62	8.12	2.00	0.00	1.00	0.00	8.64	7.65	2.00	0.00	1.00	0.00
8.66	7.64	2.00	0.00	1.00	0.00	8.68	7.29	2.00	0.00	1.00	0.00
8.70	7.49	2.00	0.00	1.00	0.00	8.72	7.94	2.00	0.00	1.00	0.00
8.74	8.05	2.00	0.00	1.00	0.00	8.76	8.04	2.00	0.00	1.00	0.00
8.78	8.03	2.00	0.00	1.00	0.00	8.80	7.91	2.00	0.00	1.00	0.00
8.82	7.90	2.00	0.00	1.00	0.00	8.84	7.78	2.00	0.00	1.00	0.00
8.86	8.12	2.00	0.00	1.00	0.00	8.88	8.11	2.00	0.00	1.00	0.00
8.90	8.44	2.00	0.00	1.00	0.00	8.92	8.66	2.00	0.00	1.00	0.00
8.94	8.77	2.00	0.00	1.00	0.00	8.96	9.21	2.00	0.00	1.00	0.00
8.98	9.55	2.00	0.00	1.00	0.00	9.00	9.54	2.00	0.00	1.00	0.00
9.02	9.53	2.00	0.00	1.00	0.00	9.04	9.29	2.00	0.00	1.00	0.00
9.06	9.13	2.00	0.00	1.00	0.00	9.08	9.01	2.00	0.00	1.00	0.00
9.10	8.66	2.00	0.00	1.00	0.00	9.12	8.65	2.00	0.00	1.00	0.00
9.14	8.42	2.00	0.00	1.00	0.00	9.16	8.30	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
9.18	7.84	2.00	0.00	1.00	0.00	9.20	7.49	2.00	0.00	1.00	0.00
9.22	7.16	2.00	0.00	1.00	0.00	9.24	7.04	2.00	0.00	1.00	0.00
9.26	7.03	2.00	0.00	1.00	0.00	9.28	6.68	2.00	0.00	1.00	0.00
9.30	6.45	2.00	0.00	1.00	0.00	9.32	6.22	2.00	0.00	1.00	0.00
9.34	6.44	2.00	0.00	1.00	0.00	9.36	6.21	2.00	0.00	1.00	0.00
9.38	6.20	2.00	0.00	1.00	0.00	9.40	6.20	2.00	0.00	1.00	0.00
9.42	6.08	2.00	0.00	1.00	0.00	9.44	6.19	2.00	0.00	1.00	0.00
9.46	6.18	2.00	0.00	1.00	0.00	9.48	6.19	2.00	0.00	1.00	0.00
9.50	6.17	2.00	0.00	1.00	0.00	9.52	6.06	2.00	0.00	1.00	0.00
9.54	6.17	2.00	0.00	1.00	0.00	9.56	6.50	2.00	0.00	1.00	0.00
9.58	6.71	2.00	0.00	1.00	0.00	9.60	7.04	2.00	0.00	1.00	0.00
9.62	7.37	2.00	0.00	1.00	0.00	9.64	7.80	2.00	0.00	1.00	0.00
9.66	7.91	2.00	0.00	1.00	0.00	9.68	7.79	2.00	0.00	1.00	0.00
9.70	8.11	2.00	0.00	1.00	0.00	9.72	7.89	2.00	0.00	1.00	0.00
9.74	7.88	2.00	0.00	1.00	0.00	9.76	7.87	2.00	0.00	1.00	0.00
9.78	8.08	2.00	0.00	1.00	0.00	9.80	8.19	2.00	0.00	1.00	0.00
9.82	8.41	2.00	0.00	1.00	0.00	9.84	8.39	2.00	0.00	1.00	0.00
9.86	8.39	2.00	0.00	1.00	0.00	9.88	8.48	2.00	0.00	1.00	0.00
9.90	8.69	2.00	0.00	1.00	0.00	9.92	8.47	2.00	0.00	1.00	0.00
9.94	8.79	2.00	0.00	1.00	0.00	9.96	8.78	2.00	0.00	1.00	0.00
9.98	8.66	2.00	0.00	1.00	0.00	10.00	8.76	2.00	0.00	1.00	0.00
10.02	9.19	2.00	0.00	1.00	0.00	10.04	9.30	2.00	0.00	1.00	0.00
10.06	9.29	2.00	0.00	1.00	0.00	10.08	9.49	2.00	0.00	1.00	0.00
10.10	9.81	2.00	0.00	1.00	0.00	10.12	10.77	2.00	0.00	1.00	0.00
10.14	11.30	2.00	0.00	1.00	0.00	10.16	11.94	2.00	0.00	1.00	0.00
10.18	13.32	2.00	0.00	1.00	0.00	10.20	14.06	2.00	0.00	1.00	0.00
10.22	14.80	2.00	0.00	1.00	0.00	10.24	15.21	2.00	0.00	1.00	0.00
10.26	15.19	2.00	0.00	1.00	0.00	10.28	14.85	2.00	0.00	1.00	0.00
10.30	14.62	2.00	0.00	1.00	0.00	10.32	14.16	2.00	0.00	1.00	0.00
10.34	13.82	2.00	0.00	1.00	0.00	10.36	14.13	2.00	0.00	1.00	0.00
10.38	14.00	2.00	0.00	1.00	0.00	10.40	13.77	2.00	0.00	1.00	0.00
10.42	13.43	2.00	0.00	1.00	0.00	10.44	13.10	2.00	0.00	1.00	0.00
10.46	12.86	2.00	0.00	1.00	0.00	10.48	12.64	2.00	0.00	1.00	0.00
10.50	12.50	2.00	0.00	1.00	0.00	10.52	12.59	2.00	0.00	1.00	0.00
10.54	12.57	2.00	0.00	1.00	0.00	10.56	12.55	2.00	0.00	1.00	0.00
10.58	12.43	2.00	0.00	1.00	0.00	10.60	12.09	2.00	0.00	1.00	0.00
10.62	11.96	2.00	0.00	1.00	0.00	10.64	12.25	2.00	0.00	1.00	0.00
10.66	11.92	2.00	0.00	1.00	0.00	10.68	11.90	2.00	0.00	1.00	0.00
10.70	11.67	2.00	0.00	1.00	0.00	10.72	11.44	2.00	0.00	1.00	0.00
10.74	11.42	2.00	0.00	1.00	0.00	10.76	11.62	2.00	0.00	1.00	0.00
10.78	11.59	2.00	0.00	1.00	0.00	10.80	11.58	2.00	0.00	1.00	0.00
10.82	11.35	2.00	0.00	1.00	0.00	10.84	11.86	2.00	0.00	1.00	0.00
10.86	12.05	2.00	0.00	1.00	0.00	10.88	11.62	2.00	0.00	1.00	0.00
10.90	11.29	2.00	0.00	1.00	0.00	10.92	11.17	2.00	0.00	1.00	0.00
10.94	11.26	2.00	0.00	1.00	0.00	10.96	11.45	2.00	0.00	1.00	0.00
10.98	11.75	2.00	0.00	1.00	0.00	11.00	12.05	2.00	0.00	1.00	0.00
11.02	12.10	2.00	0.00	1.00	0.00	11.04	11.68	2.00	0.00	1.00	0.00
11.06	11.67	2.00	0.00	1.00	0.00	11.08	11.45	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)	Depth (m)	q _{c1N,cs}	FS	e _v (%)	DF	Settlement (cm)
11.10	11.23	2.00	0.00	1.00	0.00	11.12	11.43	2.00	0.00	1.00	0.00
11.14	11.11	2.00	0.00	1.00	0.00	11.16	10.79	2.00	0.00	1.00	0.00
11.18	10.78	2.00	0.00	1.00	0.00	11.20	10.98	2.00	0.00	1.00	0.00
11.22	11.17	2.00	0.00	1.00	0.00	11.24	11.06	2.00	0.00	1.00	0.00
11.26	11.05	2.00	0.00	1.00	0.00	11.28	11.13	2.00	0.00	1.00	0.00
11.30	11.53	2.00	0.00	1.00	0.00	11.32	12.13	2.00	0.00	1.00	0.00
11.34	12.53	2.00	0.00	1.00	0.00	11.36	13.01	2.00	0.00	1.00	0.00
11.38	13.10	2.00	0.00	1.00	0.00	11.40	13.50	2.00	0.00	1.00	0.00
11.42	13.28	2.00	0.00	1.00	0.00	11.44	12.86	2.00	0.00	1.00	0.00
11.46	12.53	2.00	0.00	1.00	0.00	11.48	12.62	2.00	0.00	1.00	0.00
11.50	12.61	2.00	0.00	1.00	0.00	11.52	12.79	2.00	0.00	1.00	0.00
11.54	12.78	2.00	0.00	1.00	0.00	11.56	12.36	2.00	0.00	1.00	0.00
11.58	12.04	2.00	0.00	1.00	0.00	11.60	11.82	2.00	0.00	1.00	0.00
11.62	11.60	2.00	0.00	1.00	0.00	11.64	11.59	2.00	0.00	1.00	0.00
11.66	11.78	2.00	0.00	1.00	0.00	11.68	11.95	2.00	0.00	1.00	0.00
11.70	12.14	2.00	0.00	1.00	0.00	11.72	11.72	2.00	0.00	1.00	0.00
11.74	11.61	2.00	0.00	1.00	0.00	11.76	11.30	2.00	0.00	1.00	0.00
11.78	11.58	2.00	0.00	1.00	0.00	11.80	12.37	2.00	0.00	1.00	0.00
11.82	12.96	2.00	0.00	1.00	0.00	11.84	13.74	2.00	0.00	1.00	0.00
11.86	14.03	2.00	0.00	1.00	0.00	11.88	13.72	2.00	0.00	1.00	0.00
11.90	13.50	2.00	0.00	1.00	0.00	11.92	12.87	2.00	0.00	1.00	0.00
11.94	12.17	2.00	0.00	1.00	0.00	11.96	11.56	2.00	0.00	1.00	0.00
11.98	11.15	2.00	0.00	1.00	0.00	12.00	10.56	2.00	0.00	1.00	0.00
12.02	9.66	2.00	0.00	1.00	0.00	12.04	9.65	2.00	0.00	1.00	0.00
12.06	9.64	2.00	0.00	1.00	0.00	12.08	9.93	2.00	0.00	1.00	0.00
12.10	10.53	2.00	0.00	1.00	0.00	12.12	11.11	2.00	0.00	1.00	0.00
12.14	11.80	2.00	0.00	1.00	0.00	12.16	12.08	2.00	0.00	1.00	0.00
12.18	12.07	2.00	0.00	1.00	0.00	12.20	12.06	2.00	0.00	1.00	0.00
12.22	12.05	2.00	0.00	1.00	0.00	12.24	12.05	2.00	0.00	1.00	0.00
12.26	11.55	2.00	0.00	1.00	0.00	12.28	11.64	2.00	0.00	1.00	0.00
12.30	11.35	2.00	0.00	1.00	0.00	12.32	11.34	2.00	0.00	1.00	0.00
12.34	11.53	2.00	0.00	1.00	0.00	12.36	11.15	2.00	0.00	1.00	0.00
12.38	10.94	2.00	0.00	1.00	0.00	12.40	10.35	2.00	0.00	1.00	0.00
12.42	9.76	2.00	0.00	1.00	0.00	12.44	9.17	2.00	0.00	1.00	0.00
12.46	8.78	2.00	0.00	1.00	0.00	12.48	8.68	2.00	0.00	1.00	0.00
12.50	8.68	2.00	0.00	1.00	0.00	12.52	8.67	2.00	0.00	1.00	0.00
12.54	8.38	2.00	0.00	1.00	0.00	12.56	8.48	2.00	0.00	1.00	0.00
12.58	8.66	2.00	0.00	1.00	0.00	12.60	8.17	2.00	0.00	1.00	0.00
12.62	7.89	2.00	0.00	1.00	0.00	12.64	8.28	2.00	0.00	1.00	0.00
12.66	8.66	2.00	0.00	1.00	0.00	12.68	9.34	2.00	0.00	1.00	0.00
12.70	10.21	2.00	0.00	1.00	0.00	12.72	11.07	2.00	0.00	1.00	0.00
12.74	11.85	2.00	0.00	1.00	0.00	12.76	11.84	2.00	0.00	1.00	0.00
12.78	12.13	2.00	0.00	1.00	0.00	12.80	12.51	2.00	0.00	1.00	0.00
12.82	13.46	2.00	0.00	1.00	0.00	12.84	15.58	2.00	0.00	1.00	0.00
12.86	16.75	2.00	0.00	1.00	0.00	12.88	17.13	2.00	0.00	1.00	0.00
12.90	17.51	2.00	0.00	1.00	0.00	12.92	17.41	2.00	0.00	1.00	0.00
12.94	17.30	2.00	0.00	1.00	0.00	12.96	17.97	2.00	0.00	1.00	0.00
12.98	16.42	2.00	0.00	1.00	0.00	13.00	15.26	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
13.02	14.29	2.00	0.00	1.00	0.00	13.04	13.60	2.00	0.00	1.00	0.00
13.06	13.20	2.00	0.00	1.00	0.00	13.08	12.90	2.00	0.00	1.00	0.00
13.10	12.98	2.00	0.00	1.00	0.00	13.12	12.58	2.00	0.00	1.00	0.00
13.14	12.00	2.00	0.00	1.00	0.00	13.16	11.40	2.00	0.00	1.00	0.00
13.18	10.16	2.00	0.00	1.00	0.00	13.20	9.28	2.00	0.00	1.00	0.00
13.22	9.09	2.00	0.00	1.00	0.00	13.24	9.25	2.00	0.00	1.00	0.00
13.26	9.25	2.00	0.00	1.00	0.00	13.28	9.80	2.00	0.00	1.00	0.00
13.30	10.36	2.00	0.00	1.00	0.00	13.32	11.40	2.00	0.00	1.00	0.00
13.34	12.05	2.00	0.00	1.00	0.00	13.36	12.70	2.00	0.00	1.00	0.00
13.38	12.69	2.00	0.00	1.00	0.00	13.40	12.59	2.00	0.00	1.00	0.00
13.42	12.30	2.00	0.00	1.00	0.00	13.44	12.30	2.00	0.00	1.00	0.00
13.46	12.67	2.00	0.00	1.00	0.00	13.48	13.41	2.00	0.00	1.00	0.00
13.50	15.49	2.00	0.00	1.00	0.00	13.52	16.71	2.00	0.00	1.00	0.00
13.54	17.93	2.00	0.00	1.00	0.00	13.56	19.05	2.00	0.00	1.00	0.00
13.58	19.51	2.00	0.00	1.00	0.00	13.60	19.60	2.00	0.00	1.00	0.00
13.62	19.39	2.00	0.00	1.00	0.00	13.64	19.48	2.00	0.00	1.00	0.00
13.66	18.90	2.00	0.00	1.00	0.00	13.68	18.88	2.00	0.00	1.00	0.00
13.70	20.01	2.00	0.00	1.00	0.00	13.72	20.37	2.00	0.00	1.00	0.00
13.74	20.54	2.00	0.00	1.00	0.00	13.76	20.23	2.00	0.00	1.00	0.00
13.78	19.37	2.00	0.00	1.00	0.00	13.80	17.36	2.00	0.00	1.00	0.00
13.82	15.56	2.00	0.00	1.00	0.00	13.84	14.12	2.00	0.00	1.00	0.00
13.86	12.61	2.00	0.00	1.00	0.00	13.88	11.47	2.00	0.00	1.00	0.00
13.90	10.53	2.00	0.00	1.00	0.00	13.92	9.78	2.00	0.00	1.00	0.00
13.94	9.39	2.00	0.00	1.00	0.00	13.96	10.79	2.00	0.00	1.00	0.00
13.98	10.69	2.00	0.00	1.00	0.00	14.00	10.50	2.00	0.00	1.00	0.00
14.02	10.40	2.00	0.00	1.00	0.00	14.04	10.48	2.00	0.00	1.00	0.00
14.06	10.48	2.00	0.00	1.00	0.00	14.08	10.75	2.00	0.00	1.00	0.00
14.10	11.02	2.00	0.00	1.00	0.00	14.12	11.02	2.00	0.00	1.00	0.00
14.14	10.83	2.00	0.00	1.00	0.00	14.16	10.46	2.00	0.00	1.00	0.00
14.18	10.45	2.00	0.00	1.00	0.00	14.20	11.02	2.00	0.00	1.00	0.00
14.22	11.01	2.00	0.00	1.00	0.00	14.24	10.73	2.00	0.00	1.00	0.00
14.26	10.36	2.00	0.00	1.00	0.00	14.28	10.17	2.00	0.00	1.00	0.00
14.30	9.89	2.00	0.00	1.00	0.00	14.32	9.71	2.00	0.00	1.00	0.00
14.34	10.34	2.00	0.00	1.00	0.00	14.36	12.17	2.00	0.00	1.00	0.00
14.38	13.45	2.00	0.00	1.00	0.00	14.40	13.17	2.00	0.00	1.00	0.00
14.42	11.60	2.00	0.00	1.00	0.00	14.44	11.32	2.00	0.00	1.00	0.00
14.46	10.88	2.00	0.00	1.00	0.00	14.48	11.14	2.00	0.00	1.00	0.00
14.50	12.33	2.00	0.00	1.00	0.00	14.52	13.79	2.00	0.00	1.00	0.00
14.54	13.51	2.00	0.00	1.00	0.00	14.56	12.95	2.00	0.00	1.00	0.00
14.58	12.12	2.00	0.00	1.00	0.00	14.60	10.93	2.00	0.00	1.00	0.00
14.62	10.65	2.00	0.00	1.00	0.00	14.64	10.92	2.00	0.00	1.00	0.00
14.66	11.73	2.00	0.00	1.00	0.00	14.68	12.82	2.00	0.00	1.00	0.00
14.70	12.90	2.00	0.00	1.00	0.00	14.72	11.89	2.00	0.00	1.00	0.00
14.74	10.70	2.00	0.00	1.00	0.00	14.76	10.24	2.00	0.00	1.00	0.00
14.78	10.14	2.00	0.00	1.00	0.00	14.80	10.14	2.00	0.00	1.00	0.00
14.82	10.76	2.00	0.00	1.00	0.00	14.84	10.76	2.00	0.00	1.00	0.00
14.86	10.30	2.00	0.00	1.00	0.00	14.88	10.56	2.00	0.00	1.00	0.00
14.90	10.83	2.00	0.00	1.00	0.00	14.92	11.72	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)
14.94	14.20	2.00	0.00	1.00	0.00	14.96	14.64	2.00	0.00	1.00	0.00
14.98	14.81	2.00	0.00	1.00	0.00	15.00	15.08	2.00	0.00	1.00	0.00
Total estimated settlement: 4.36											

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

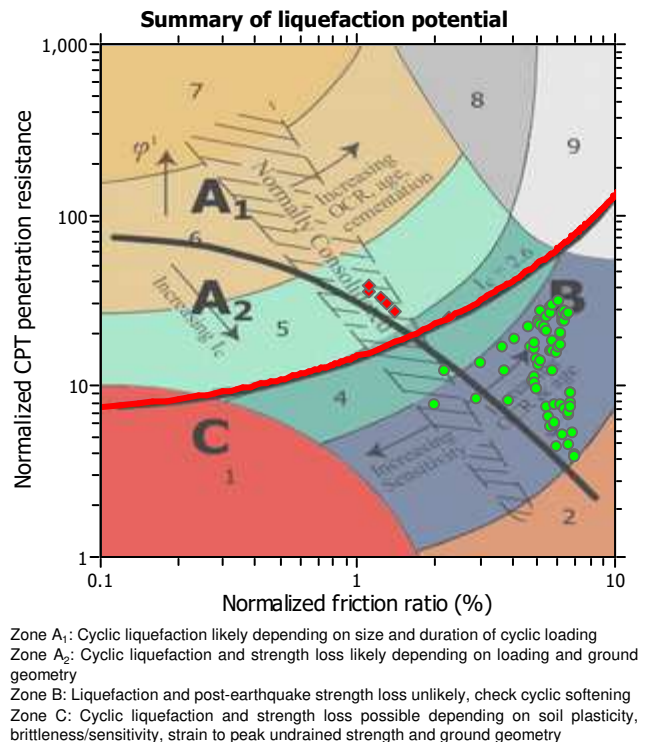
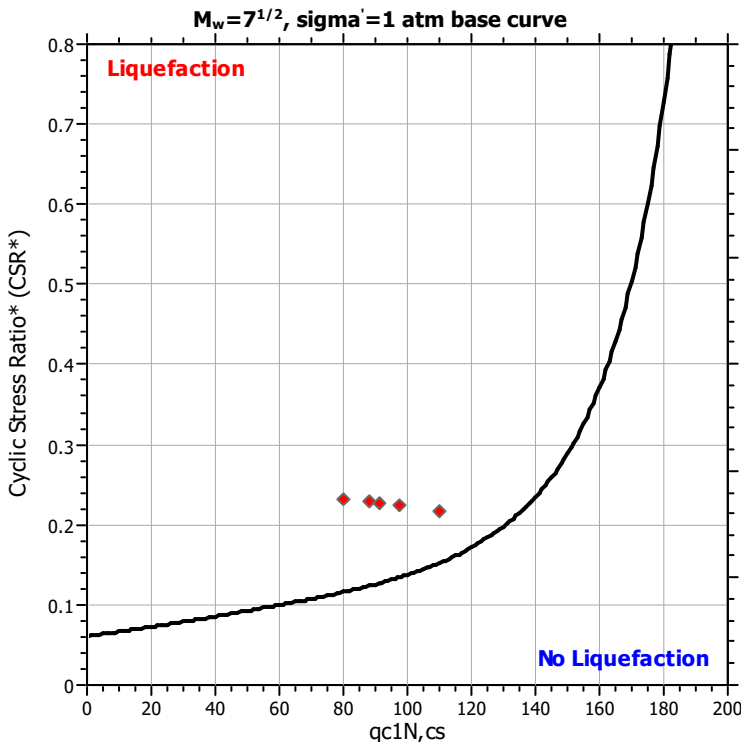
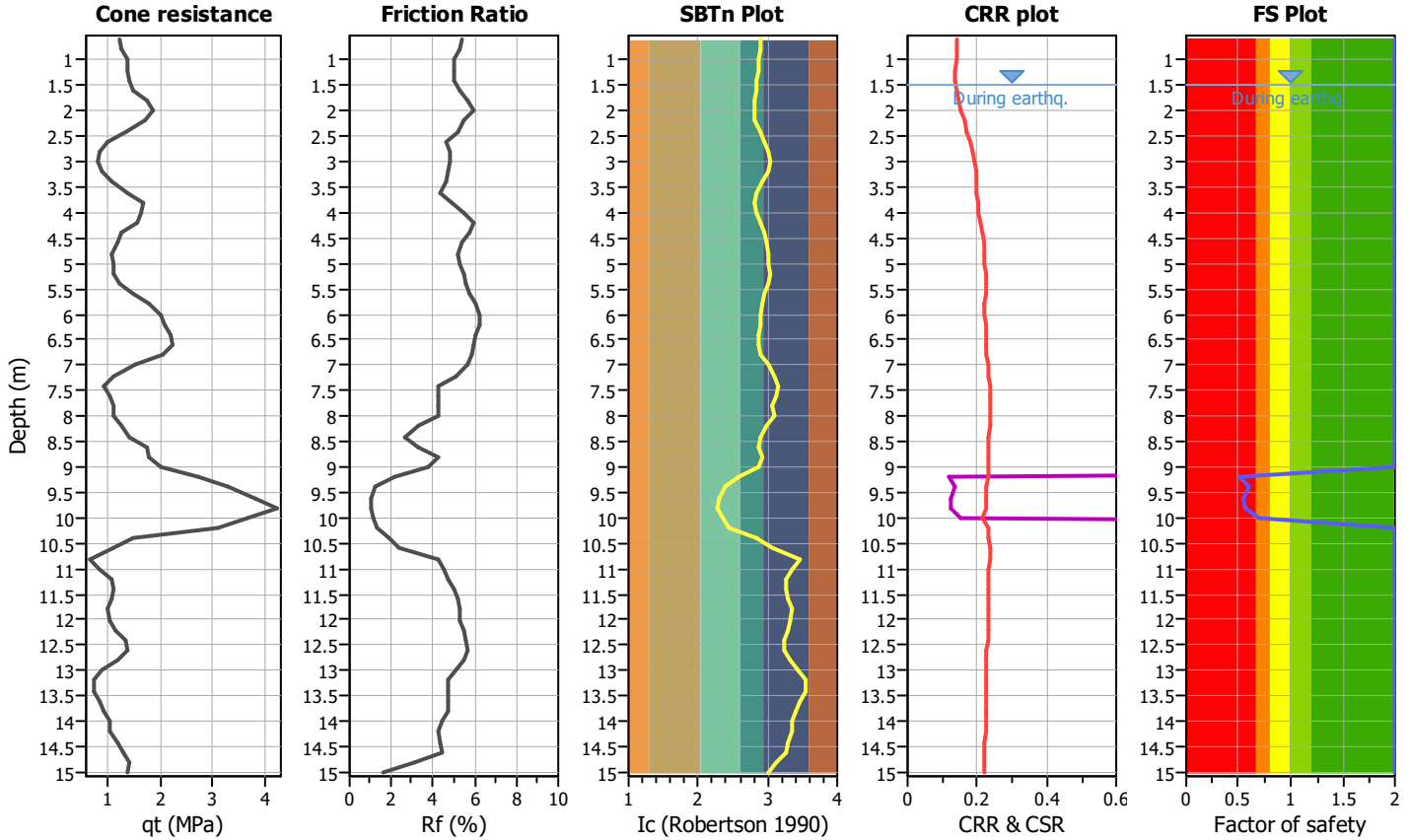
Project title :

Location :

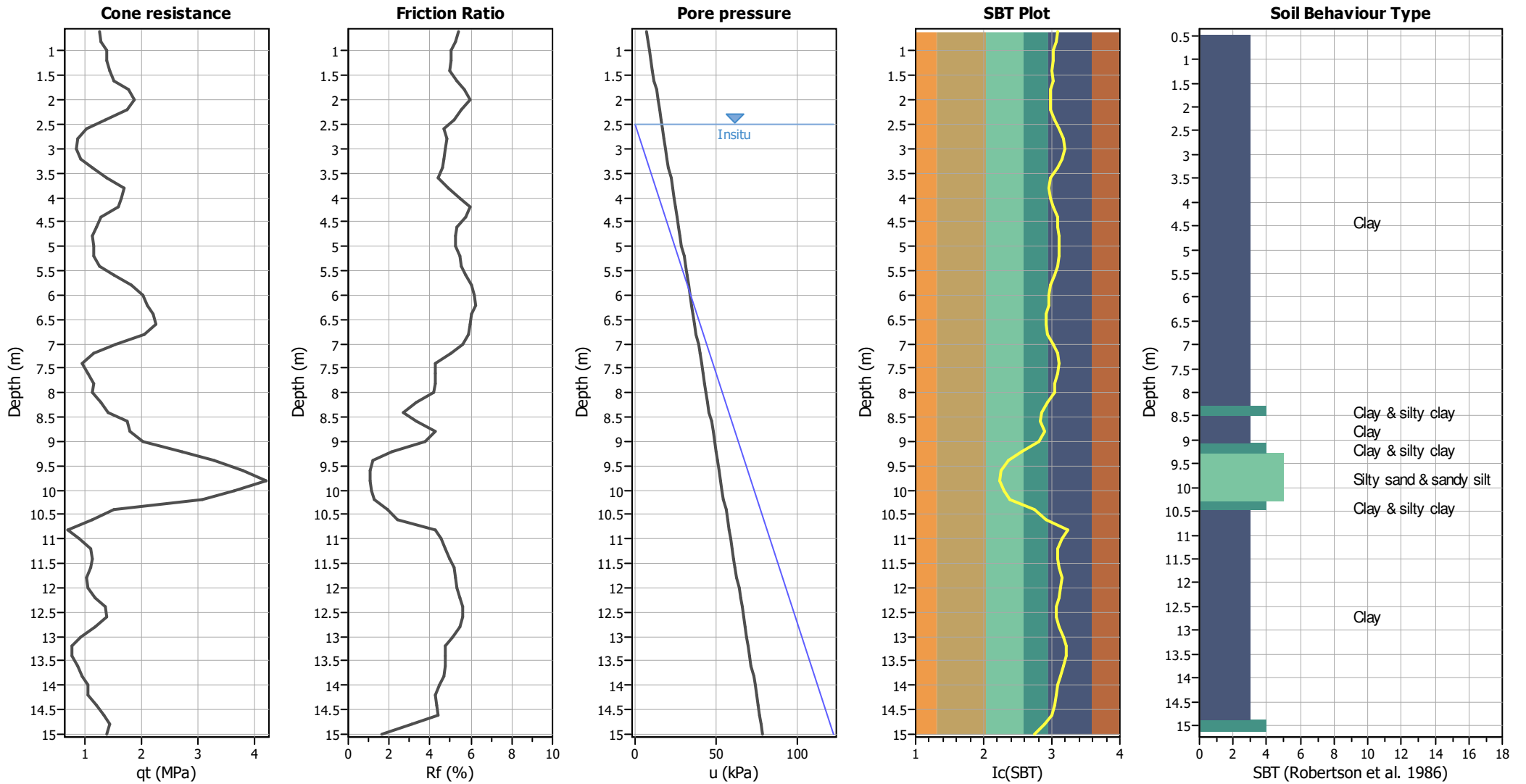
CPT file : P109_CPT100

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



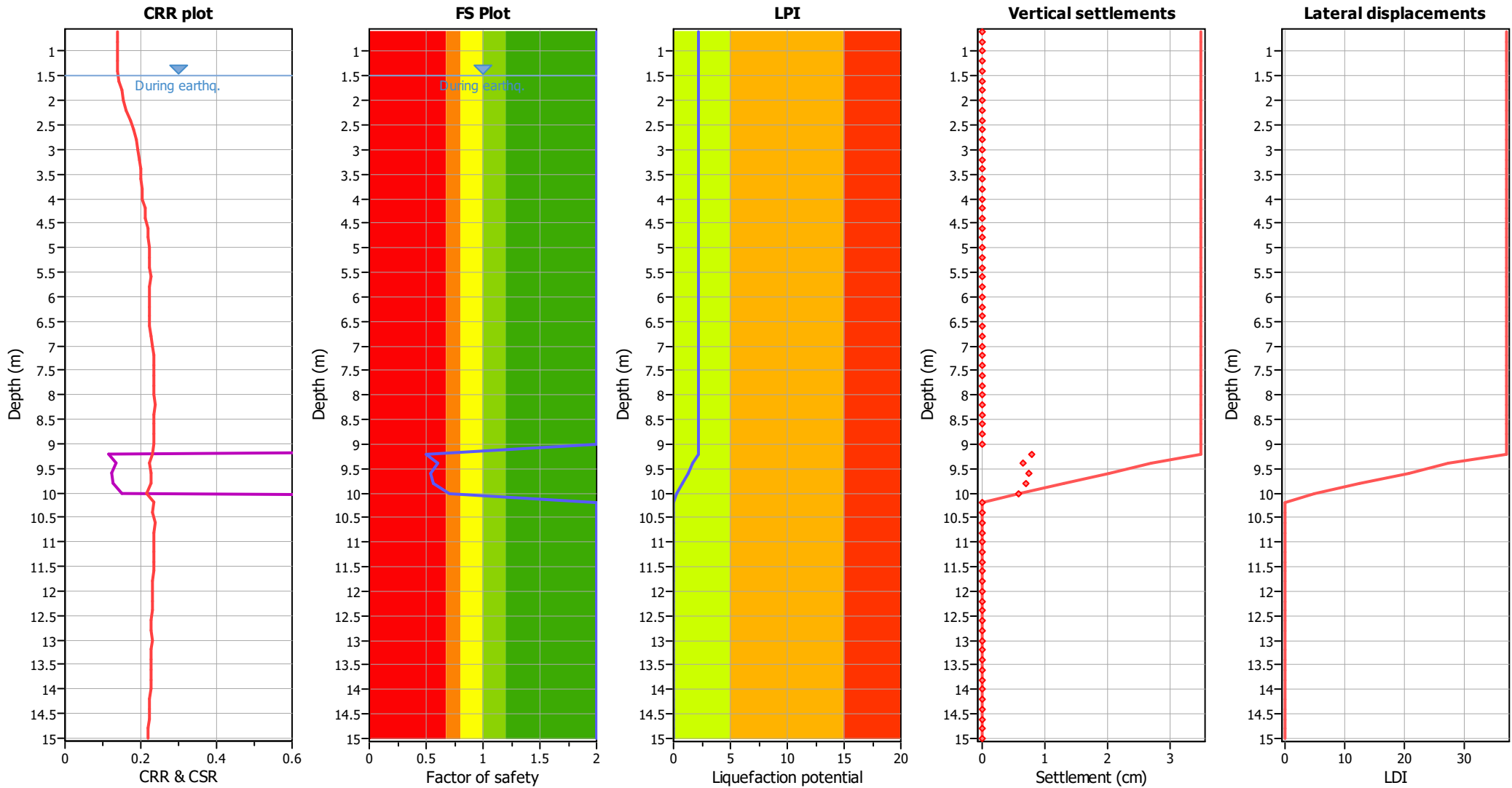
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I _c value	I _c cut-off value:	2.60	K _σ applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	0.50	0.50	5.40	0.20	0.54
9.40	0.60	0.40	5.30	0.20	0.43	9.60	0.54	0.46	5.20	0.20	0.48
9.80	0.56	0.44	5.10	0.20	0.45	10.00	0.70	0.30	5.00	0.20	0.30
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 2.19

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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	28.52	2.00	0.00	1.00	0.00
2.00	34.76	2.00	0.00	1.00	0.00	2.20	28.84	2.00	0.00	1.00	0.00
2.40	20.36	2.00	0.00	1.00	0.00	2.60	13.91	2.00	0.00	1.00	0.00
2.80	12.20	2.00	0.00	1.00	0.00	3.00	13.44	2.00	0.00	1.00	0.00
3.20	11.80	2.00	0.00	1.00	0.00	3.40	14.40	2.00	0.00	1.00	0.00
3.60	20.95	2.00	0.00	1.00	0.00	3.80	21.94	2.00	0.00	1.00	0.00
4.00	25.45	2.00	0.00	1.00	0.00	4.20	18.68	2.00	0.00	1.00	0.00
4.40	18.39	2.00	0.00	1.00	0.00	4.60	13.07	2.00	0.00	1.00	0.00
4.80	15.40	2.00	0.00	1.00	0.00	5.00	13.95	2.00	0.00	1.00	0.00
5.20	13.77	2.00	0.00	1.00	0.00	5.40	14.79	2.00	0.00	1.00	0.00
5.60	16.97	2.00	0.00	1.00	0.00	5.80	22.58	2.00	0.00	1.00	0.00
6.00	24.57	2.00	0.00	1.00	0.00	6.20	23.13	2.00	0.00	1.00	0.00
6.40	25.08	2.00	0.00	1.00	0.00	6.60	26.99	2.00	0.00	1.00	0.00
6.80	23.39	2.00	0.00	1.00	0.00	7.00	17.69	2.00	0.00	1.00	0.00
7.20	9.90	2.00	0.00	1.00	0.00	7.40	9.80	2.00	0.00	1.00	0.00
7.60	10.77	2.00	0.00	1.00	0.00	7.80	12.79	2.00	0.00	1.00	0.00
8.00	12.66	2.00	0.00	1.00	0.00	8.20	9.42	2.00	0.00	1.00	0.00
8.40	17.58	2.00	0.00	1.00	0.00	8.60	16.39	2.00	0.00	1.00	0.00
8.80	19.27	2.00	0.00	1.00	0.00	9.00	18.08	2.00	0.00	1.00	0.00
9.20	80.31	0.50	3.99	1.00	0.80	9.40	97.40	0.60	3.30	1.00	0.66
9.60	87.96	0.54	3.65	1.00	0.73	9.80	91.23	0.56	3.52	1.00	0.70
10.00	109.83	0.70	2.92	1.00	0.58	10.20	70.39	2.00	0.00	1.00	0.00
10.40	20.85	2.00	0.00	1.00	0.00	10.60	4.68	2.00	0.00	1.00	0.00
10.80	5.58	2.00	0.00	1.00	0.00	11.00	8.31	2.00	0.00	1.00	0.00
11.20	10.09	2.00	0.00	1.00	0.00	11.40	10.92	2.00	0.00	1.00	0.00
11.60	9.02	2.00	0.00	1.00	0.00	11.80	8.95	2.00	0.00	1.00	0.00
12.00	8.88	2.00	0.00	1.00	0.00	12.20	9.70	2.00	0.00	1.00	0.00
12.40	12.28	2.00	0.00	1.00	0.00	12.60	13.06	2.00	0.00	1.00	0.00
12.80	10.35	2.00	0.00	1.00	0.00	13.00	6.83	2.00	0.00	1.00	0.00
13.20	5.93	2.00	0.00	1.00	0.00	13.40	5.89	2.00	0.00	1.00	0.00
13.60	6.70	2.00	0.00	1.00	0.00	13.80	8.33	2.00	0.00	1.00	0.00
14.00	8.28	2.00	0.00	1.00	0.00	14.20	9.05	2.00	0.00	1.00	0.00
14.40	8.17	2.00	0.00	1.00	0.00	14.60	11.41	2.00	0.00	1.00	0.00
14.80	12.16	2.00	0.00	1.00	0.00	15.00	10.45	2.00	0.00	1.00	0.00

Total estimated settlement: 3.48

Abbreviations

$Q_{m,cs}$:	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

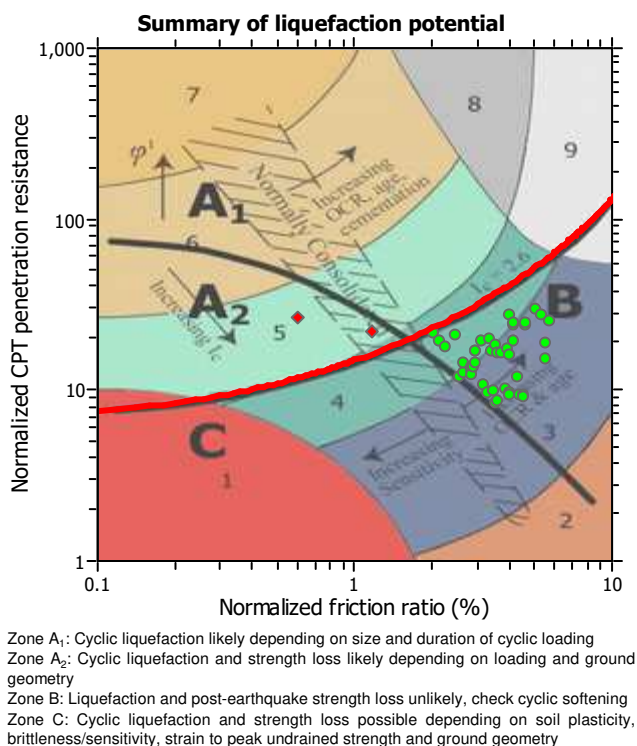
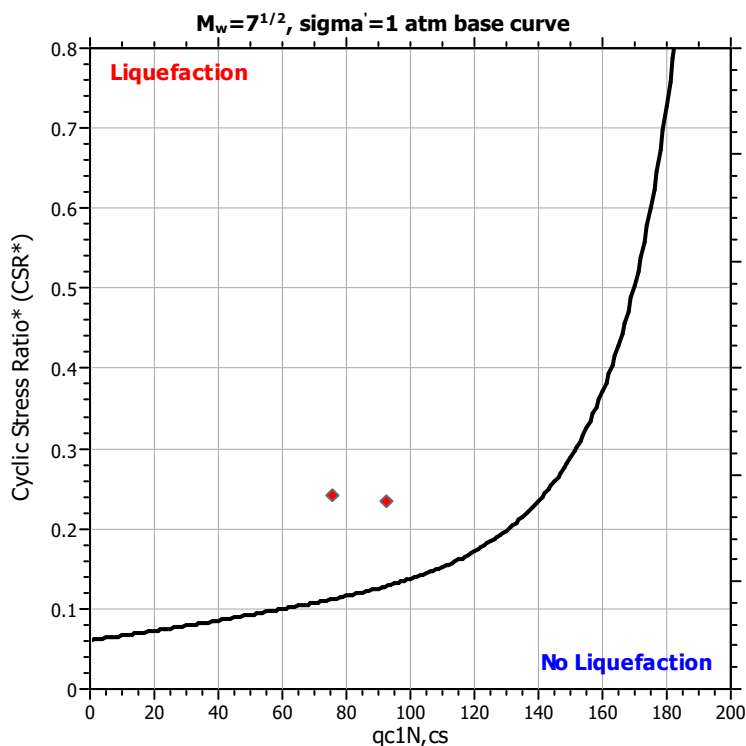
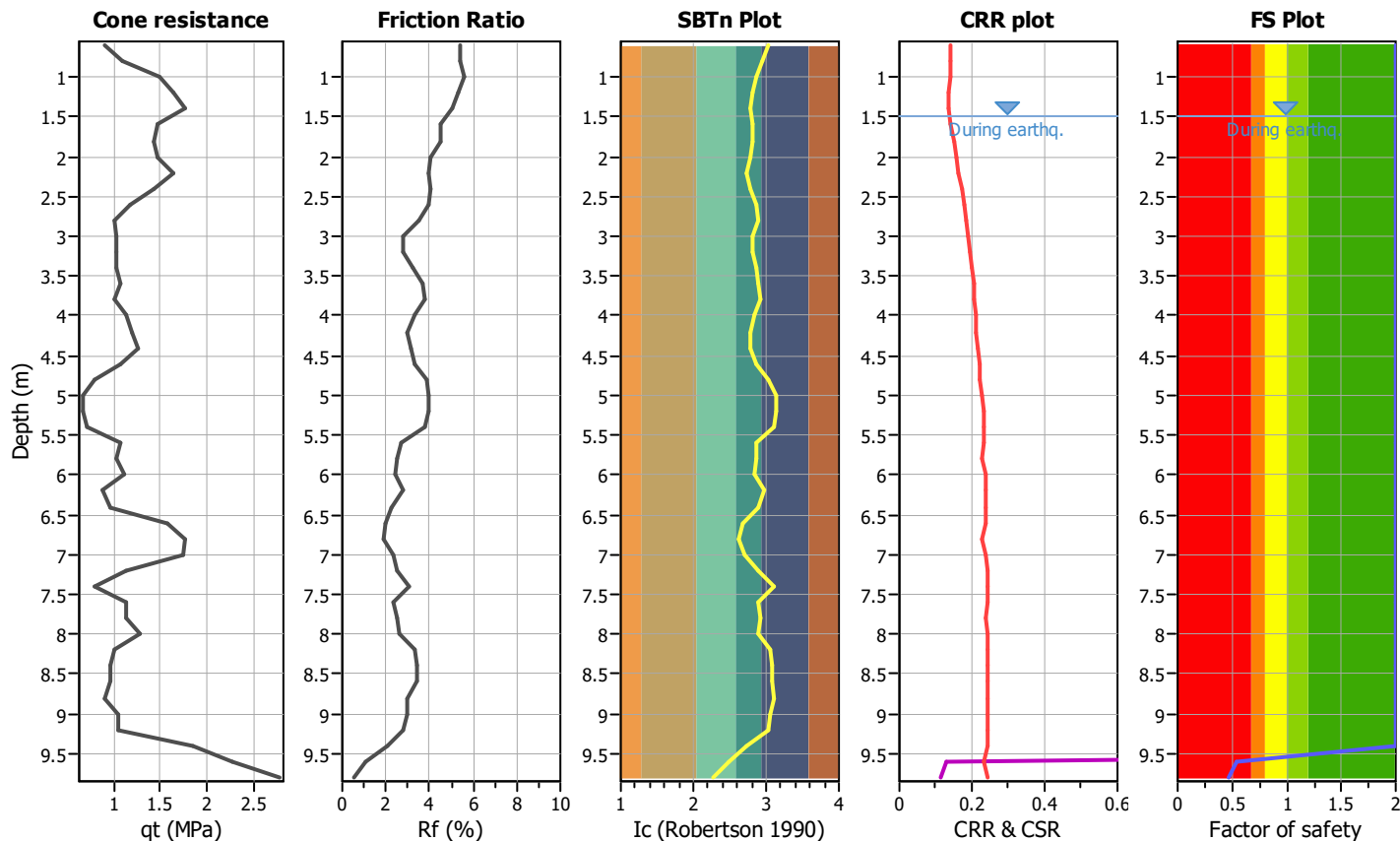
Project title :

Location :

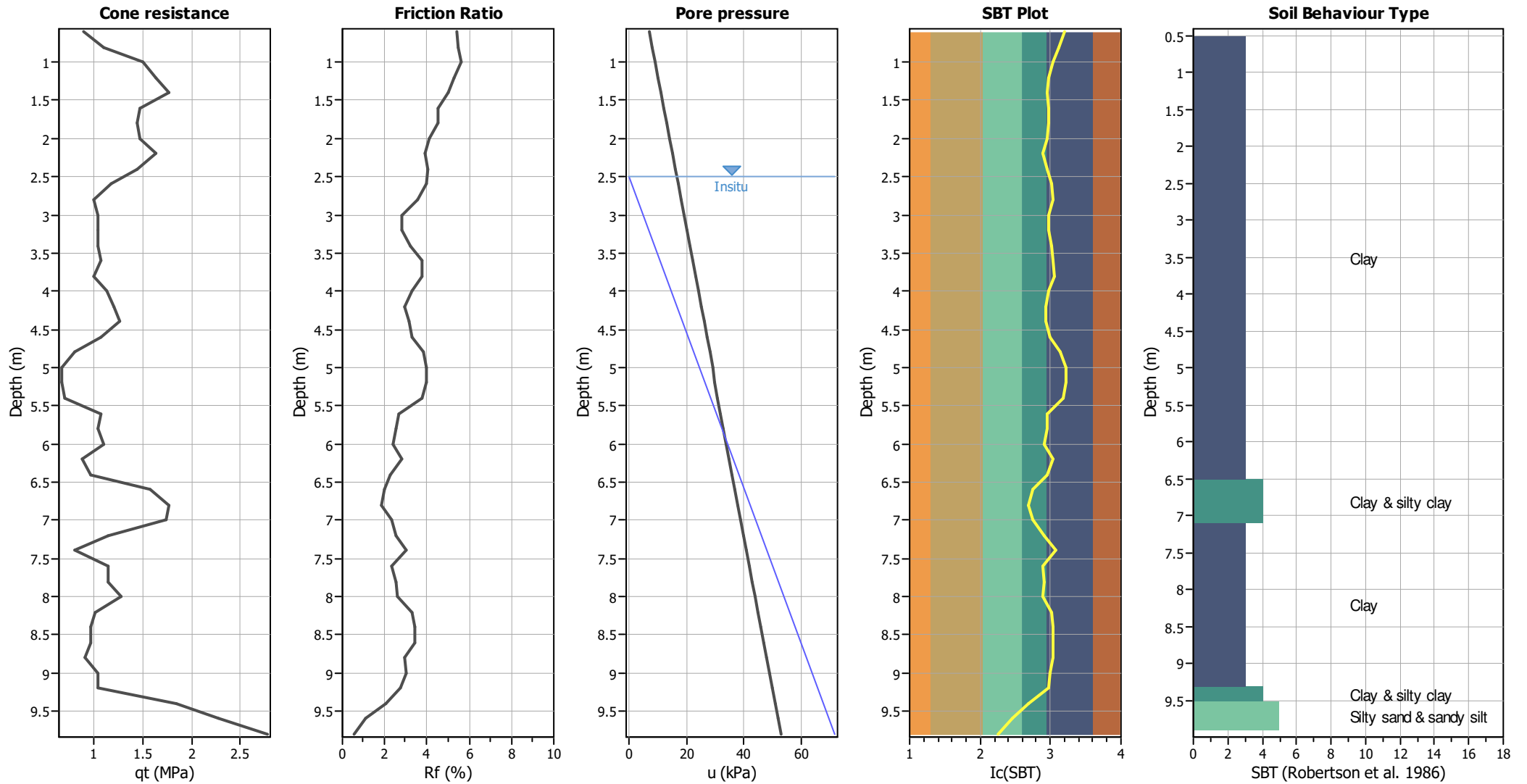
CPT file : P120_CPT111

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



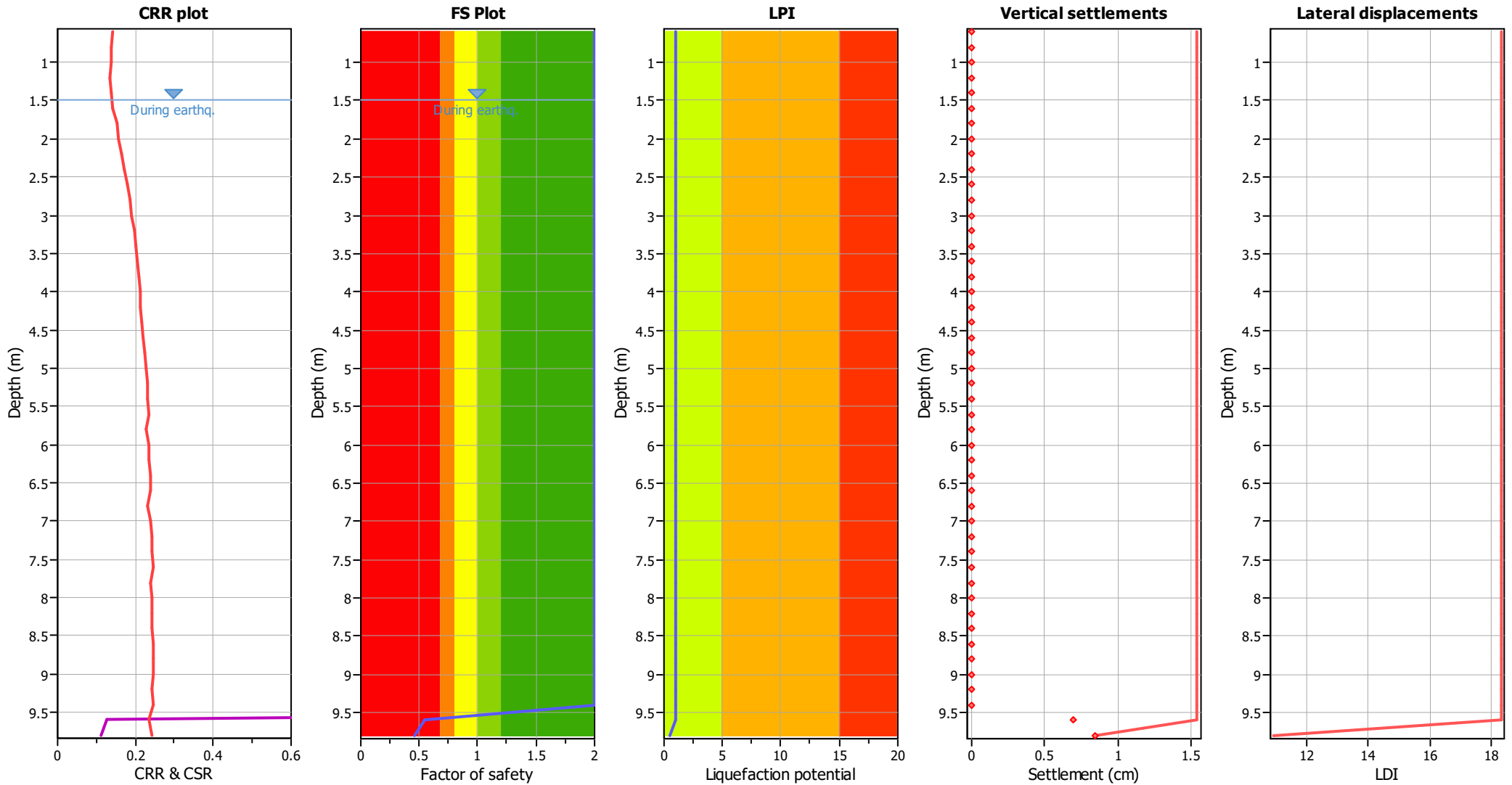
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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_D applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	0.55	0.45	5.20	0.20	0.47
9.80	0.47	0.53	5.10	0.20	0.55						

Overall liquefaction potential: 1.02

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

:: 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)
1.60	28.52	2.00	0.00	1.00	0.00	1.80	16.78	2.00	0.00	1.00	0.00
2.00	26.84	2.00	0.00	1.00	0.00	2.20	29.08	2.00	0.00	1.00	0.00
2.40	23.50	2.00	0.00	1.00	0.00	2.60	15.52	2.00	0.00	1.00	0.00
2.80	15.25	2.00	0.00	1.00	0.00	3.00	15.02	2.00	0.00	1.00	0.00
3.20	16.21	2.00	0.00	1.00	0.00	3.40	14.55	2.00	0.00	1.00	0.00
3.60	14.32	2.00	0.00	1.00	0.00	3.80	16.81	2.00	0.00	1.00	0.00
4.00	11.19	2.00	0.00	1.00	0.00	4.20	18.99	2.00	0.00	1.00	0.00
4.40	18.72	2.00	0.00	1.00	0.00	4.60	13.31	2.00	0.00	1.00	0.00
4.80	10.56	2.00	0.00	1.00	0.00	5.00	7.86	2.00	0.00	1.00	0.00
5.20	7.76	2.00	0.00	1.00	0.00	5.40	10.18	2.00	0.00	1.00	0.00
5.60	8.82	2.00	0.00	1.00	0.00	5.80	20.80	2.00	0.00	1.00	0.00
6.00	8.62	2.00	0.00	1.00	0.00	6.20	10.91	2.00	0.00	1.00	0.00
6.40	11.98	2.00	0.00	1.00	0.00	6.60	11.86	2.00	0.00	1.00	0.00
6.80	31.06	2.00	0.00	1.00	0.00	7.00	18.42	2.00	0.00	1.00	0.00
7.20	10.32	2.00	0.00	1.00	0.00	7.40	10.22	2.00	0.00	1.00	0.00
7.60	6.76	2.00	0.00	1.00	0.00	7.80	20.97	2.00	0.00	1.00	0.00
8.00	9.91	2.00	0.00	1.00	0.00	8.20	10.90	2.00	0.00	1.00	0.00
8.40	11.86	2.00	0.00	1.00	0.00	8.60	8.56	2.00	0.00	1.00	0.00
8.80	10.60	2.00	0.00	1.00	0.00	9.00	9.45	2.00	0.00	1.00	0.00
9.20	12.48	2.00	0.00	1.00	0.00	9.40	10.31	2.00	0.00	1.00	0.00
9.60	92.19	0.55	3.49	1.00	0.70	9.80	75.84	0.47	4.22	1.00	0.84

Total estimated settlement: 1.54

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

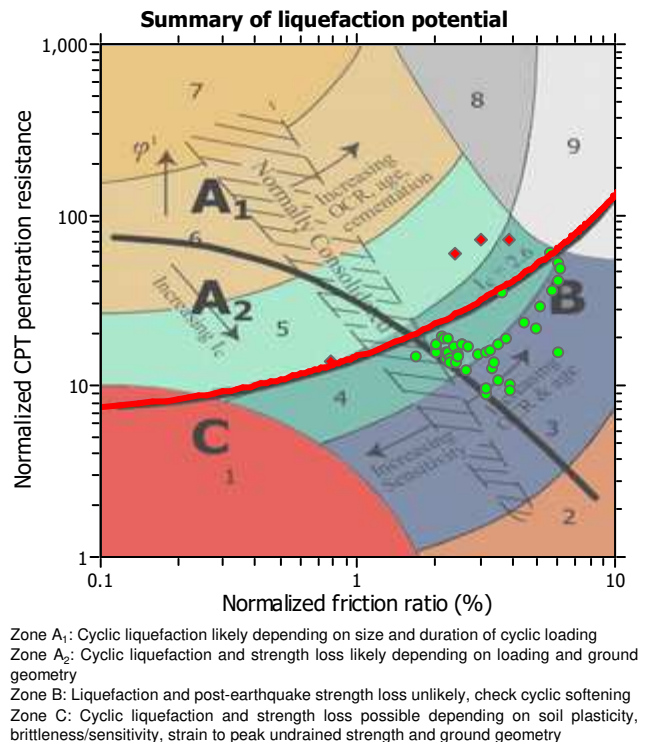
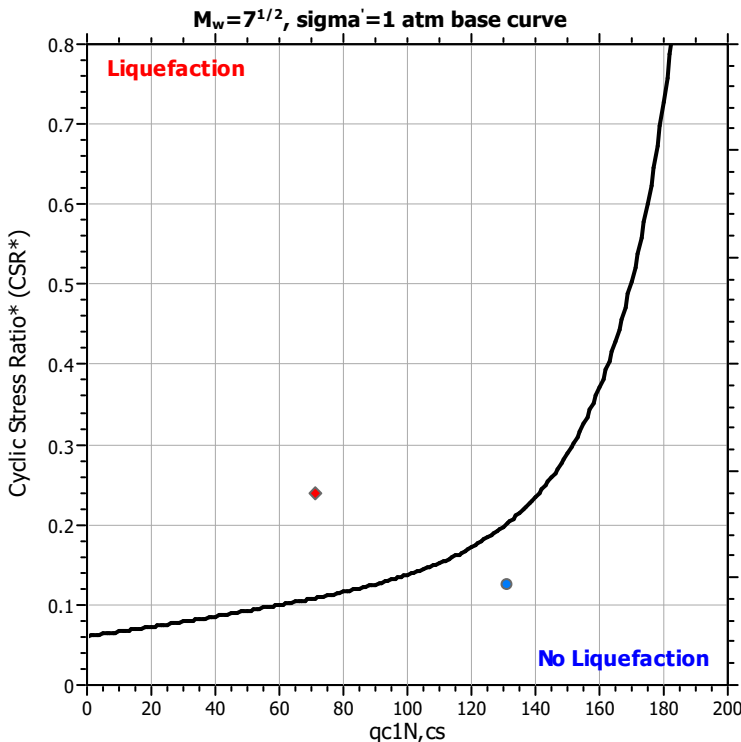
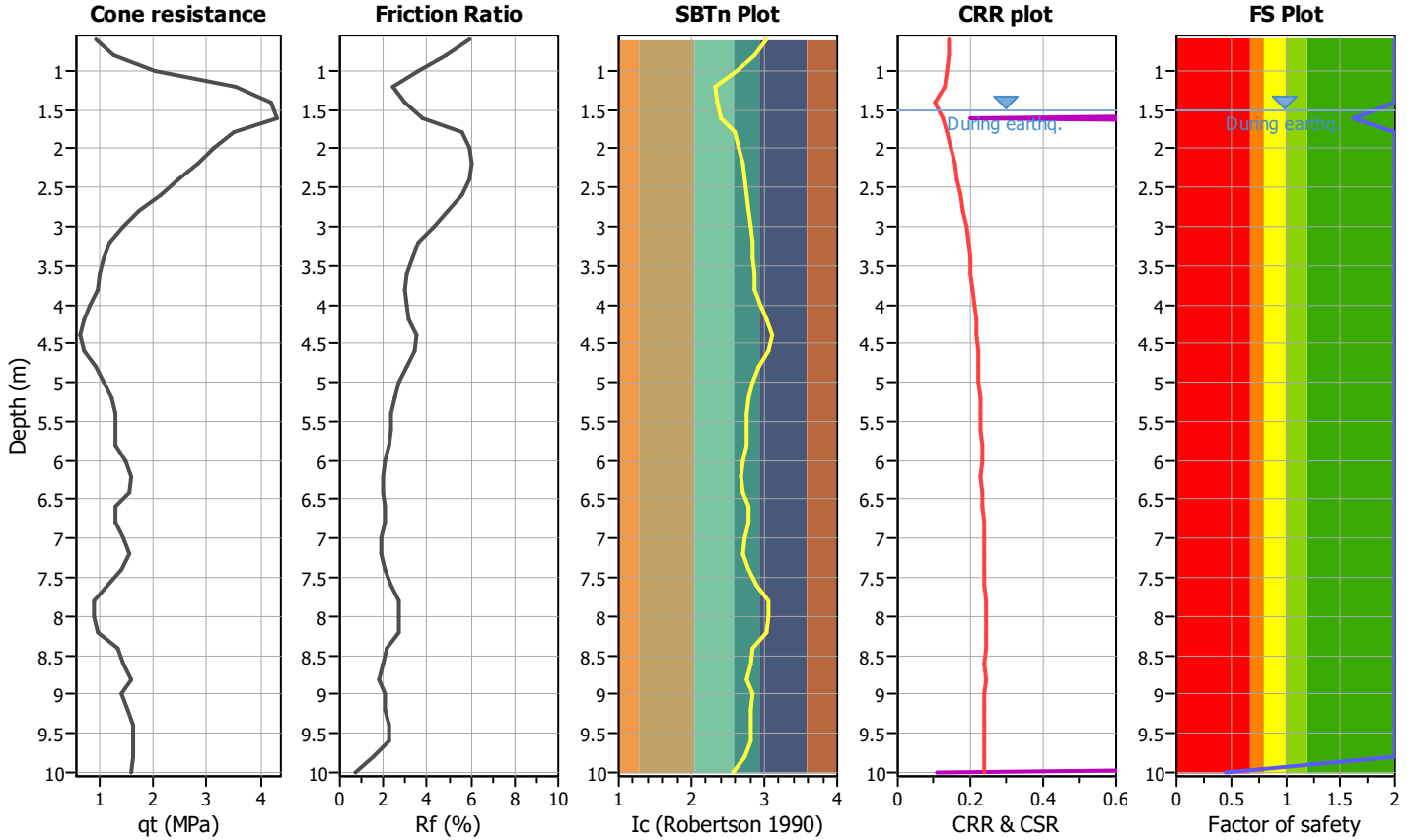
Project title :

Location :

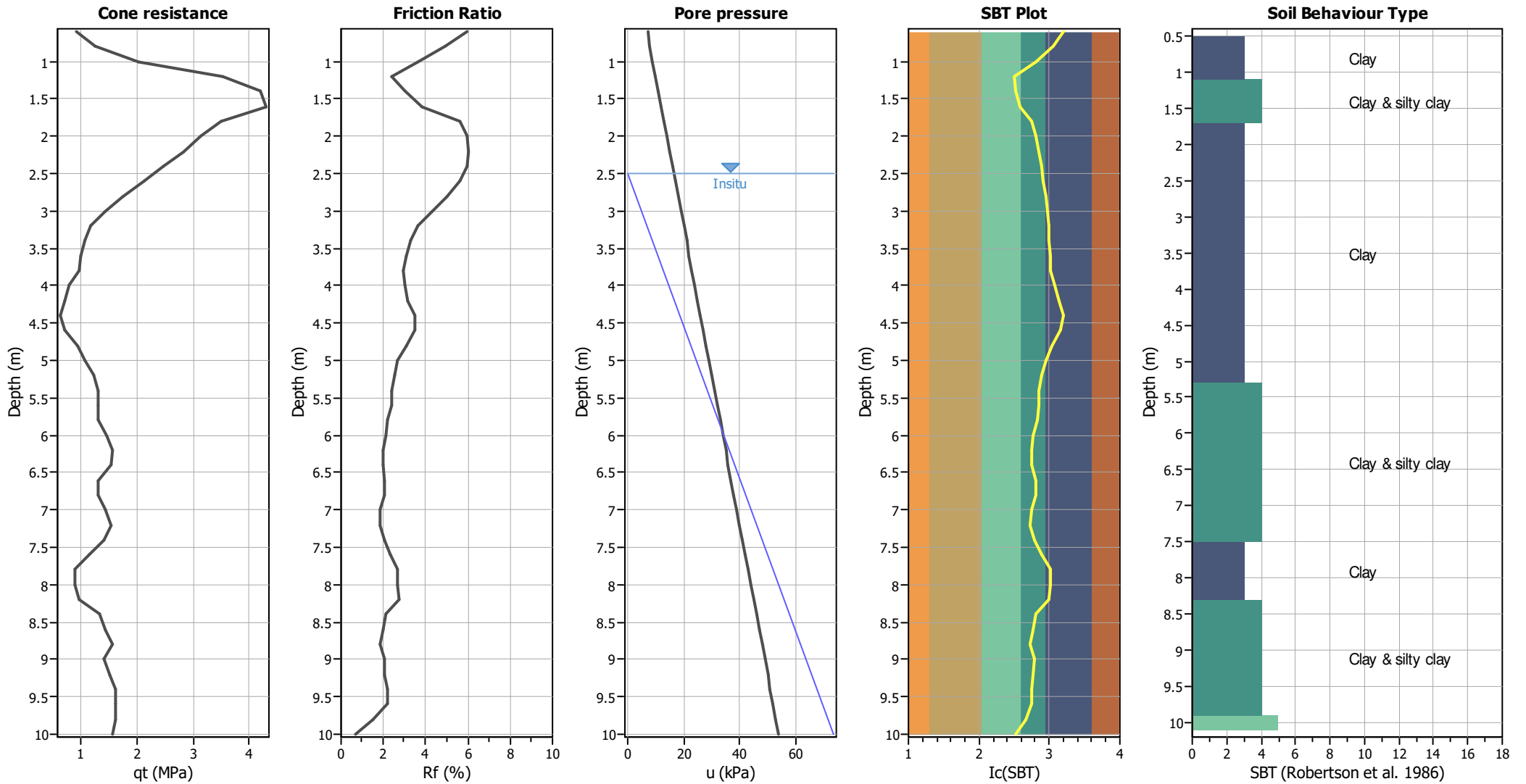
CPT file : P121_CPT112

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



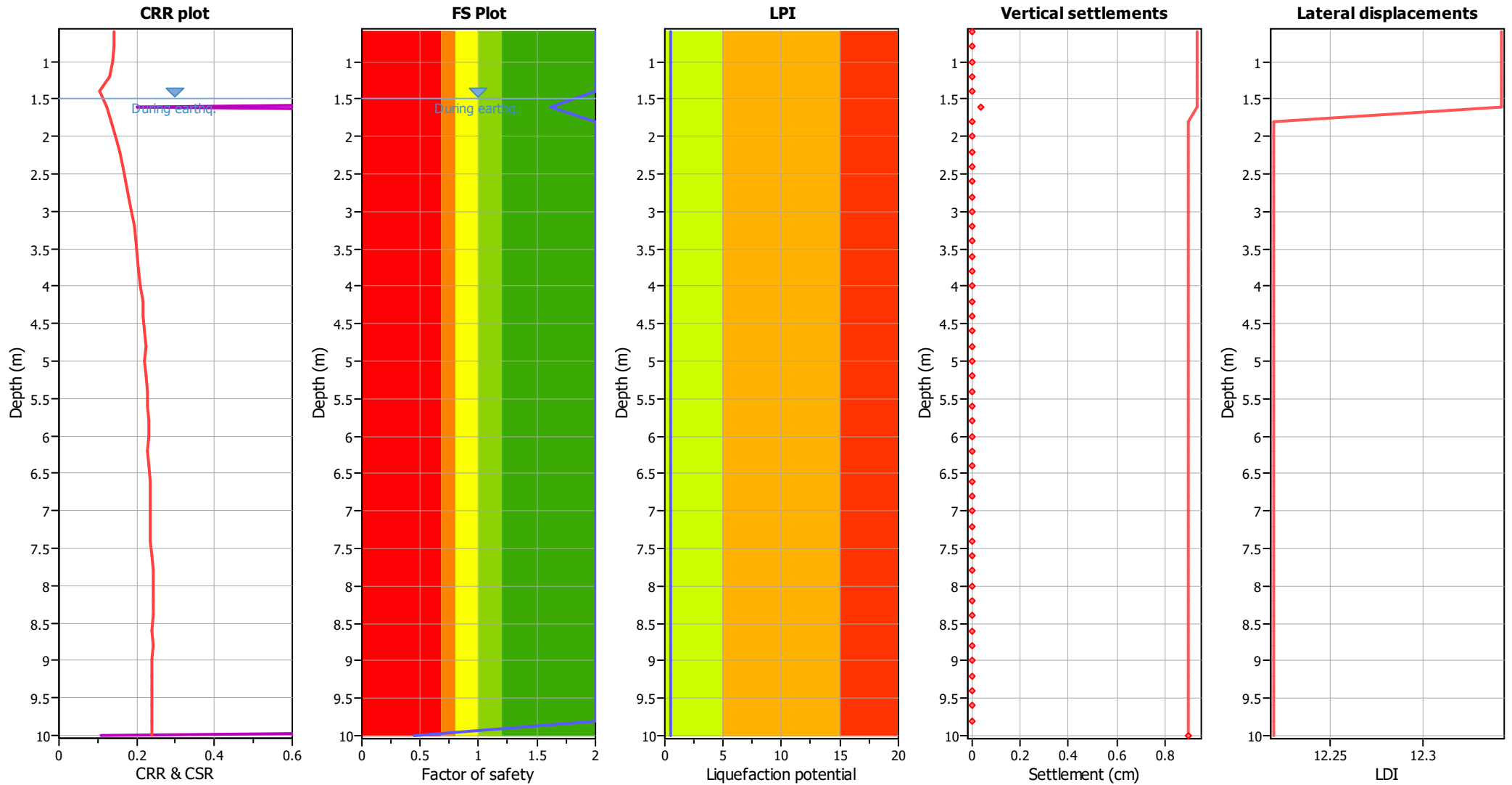
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	1.62	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.45	0.55	5.00	0.20	0.55

Overall liquefaction potential: 0.55

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

:: 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)
1.60	131.33	1.62	0.18	1.00	0.04	1.80	57.08	2.00	0.00	1.00	0.00
2.00	49.01	2.00	0.00	1.00	0.00	2.20	42.84	2.00	0.00	1.00	0.00
2.40	38.43	2.00	0.00	1.00	0.00	2.60	29.29	2.00	0.00	1.00	0.00
2.80	26.06	2.00	0.00	1.00	0.00	3.00	20.19	2.00	0.00	1.00	0.00
3.20	15.76	2.00	0.00	1.00	0.00	3.40	14.16	2.00	0.00	1.00	0.00
3.60	15.30	2.00	0.00	1.00	0.00	3.80	12.42	2.00	0.00	1.00	0.00
4.00	12.25	2.00	0.00	1.00	0.00	4.20	8.13	2.00	0.00	1.00	0.00
4.40	8.02	2.00	0.00	1.00	0.00	4.60	9.22	2.00	0.00	1.00	0.00
4.80	10.38	2.00	0.00	1.00	0.00	5.00	16.50	2.00	0.00	1.00	0.00
5.20	13.85	2.00	0.00	1.00	0.00	5.40	16.12	2.00	0.00	1.00	0.00
5.60	18.32	2.00	0.00	1.00	0.00	5.80	13.37	2.00	0.00	1.00	0.00
6.00	15.58	2.00	0.00	1.00	0.00	6.20	23.50	2.00	0.00	1.00	0.00
6.40	16.39	2.00	0.00	1.00	0.00	6.60	13.93	2.00	0.00	1.00	0.00
6.80	14.92	2.00	0.00	1.00	0.00	7.00	15.90	2.00	0.00	1.00	0.00
7.20	17.95	2.00	0.00	1.00	0.00	7.40	17.77	2.00	0.00	1.00	0.00
7.60	11.05	2.00	0.00	1.00	0.00	7.80	8.77	2.00	0.00	1.00	0.00
8.00	9.77	2.00	0.00	1.00	0.00	8.20	10.75	2.00	0.00	1.00	0.00
8.40	10.65	2.00	0.00	1.00	0.00	8.60	21.01	2.00	0.00	1.00	0.00
8.80	13.58	2.00	0.00	1.00	0.00	9.00	14.49	2.00	0.00	1.00	0.00
9.20	15.38	2.00	0.00	1.00	0.00	9.40	16.26	2.00	0.00	1.00	0.00
9.60	17.13	2.00	0.00	1.00	0.00	9.80	14.99	2.00	0.00	1.00	0.00
10.00	71.01	0.45	4.49	1.00	0.90						

Total estimated settlement: 0.93

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

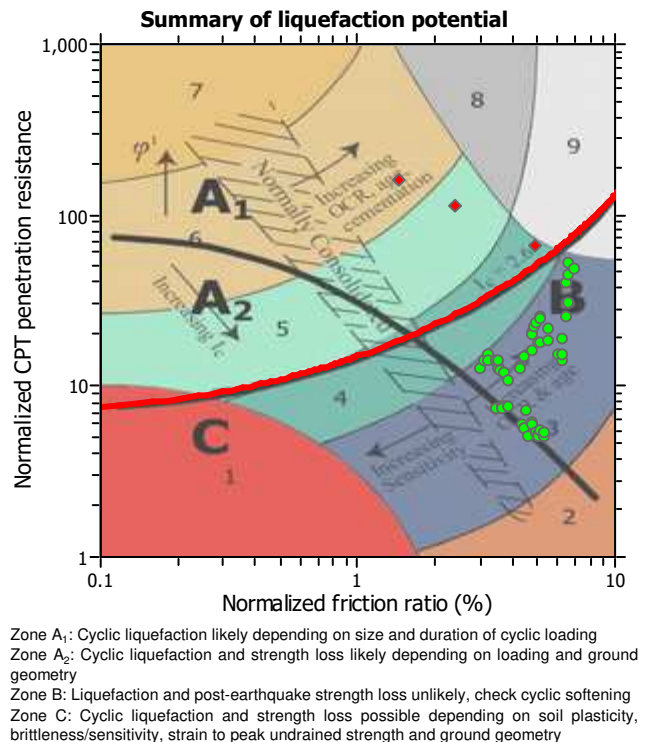
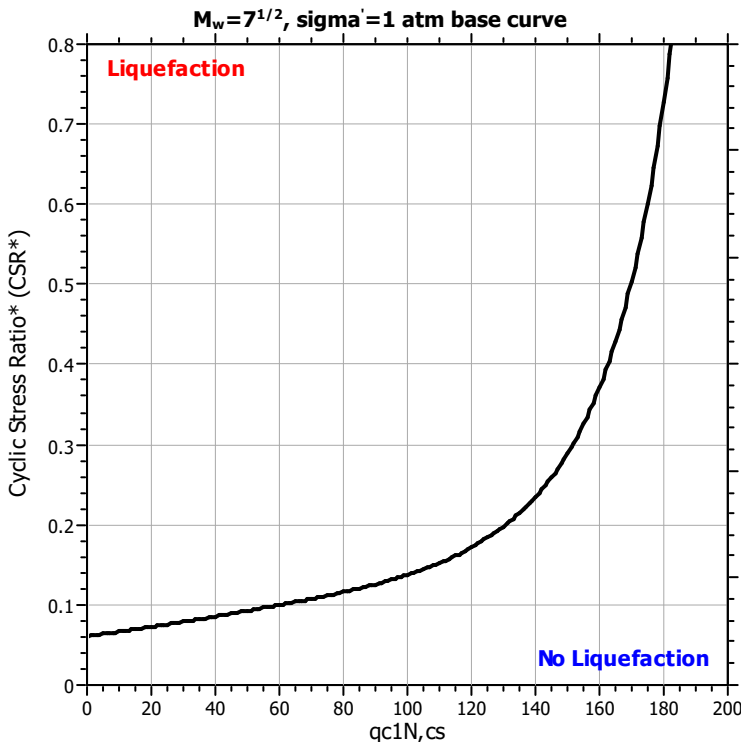
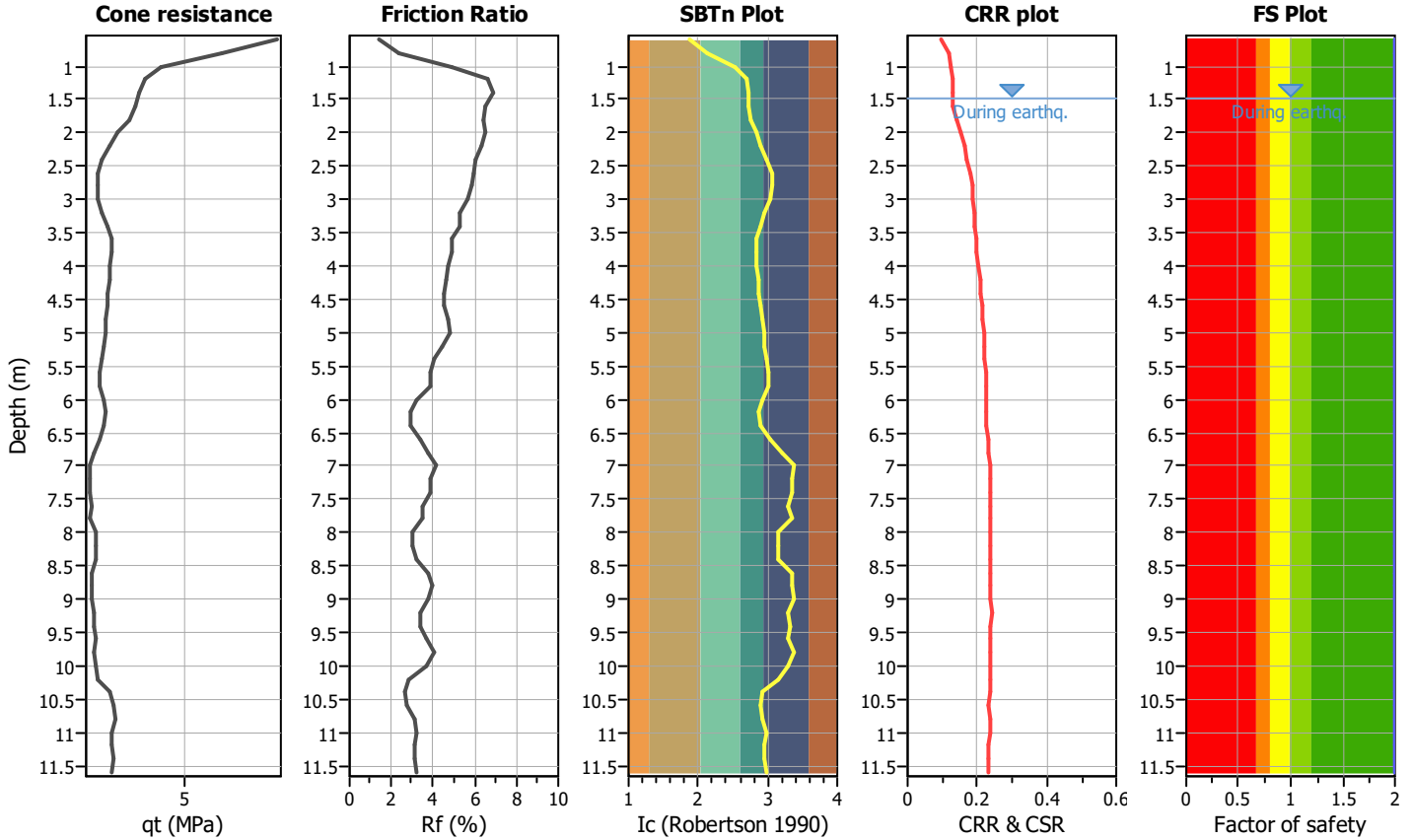
Project title :

Location :

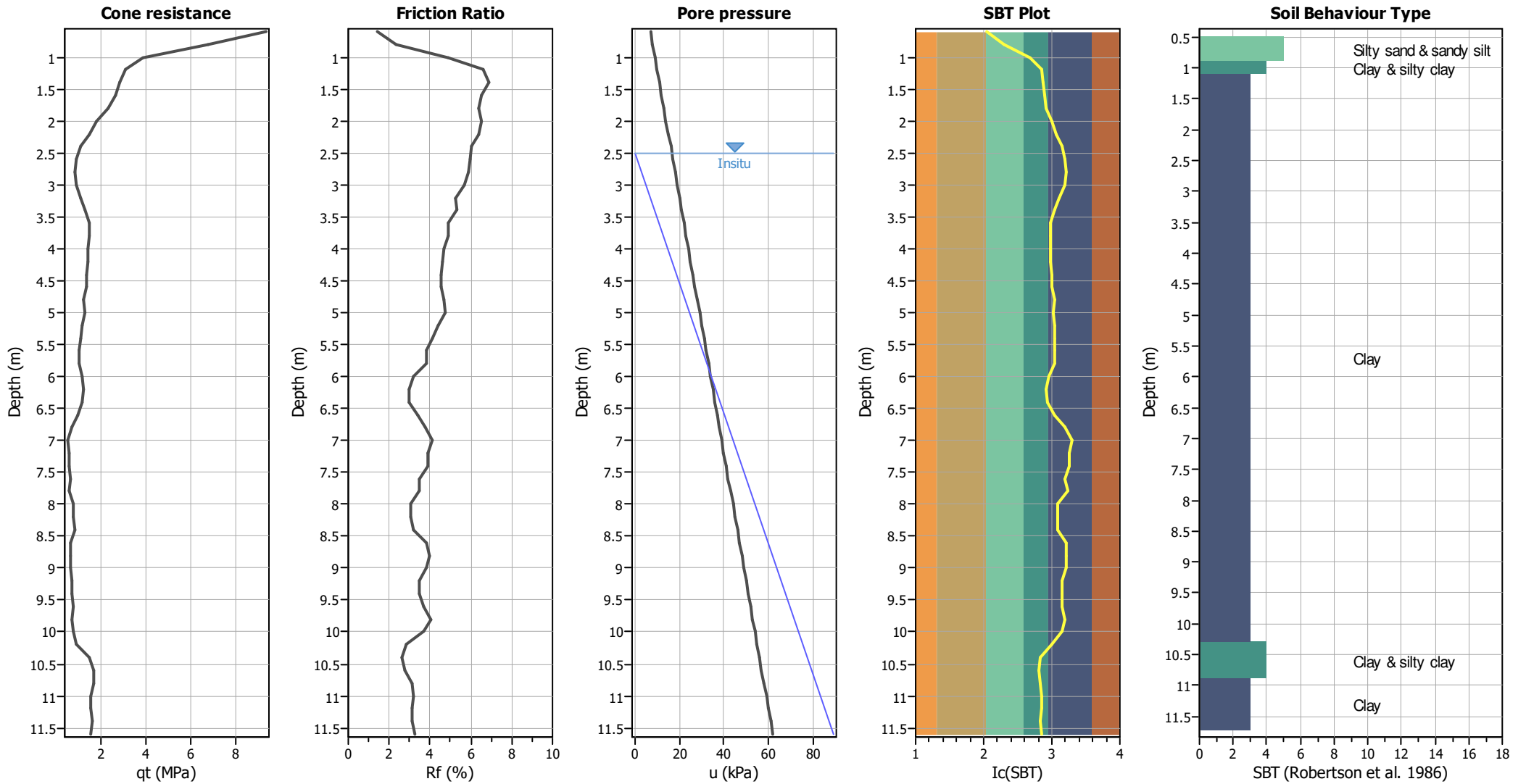
CPT file : P124_CPT115

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



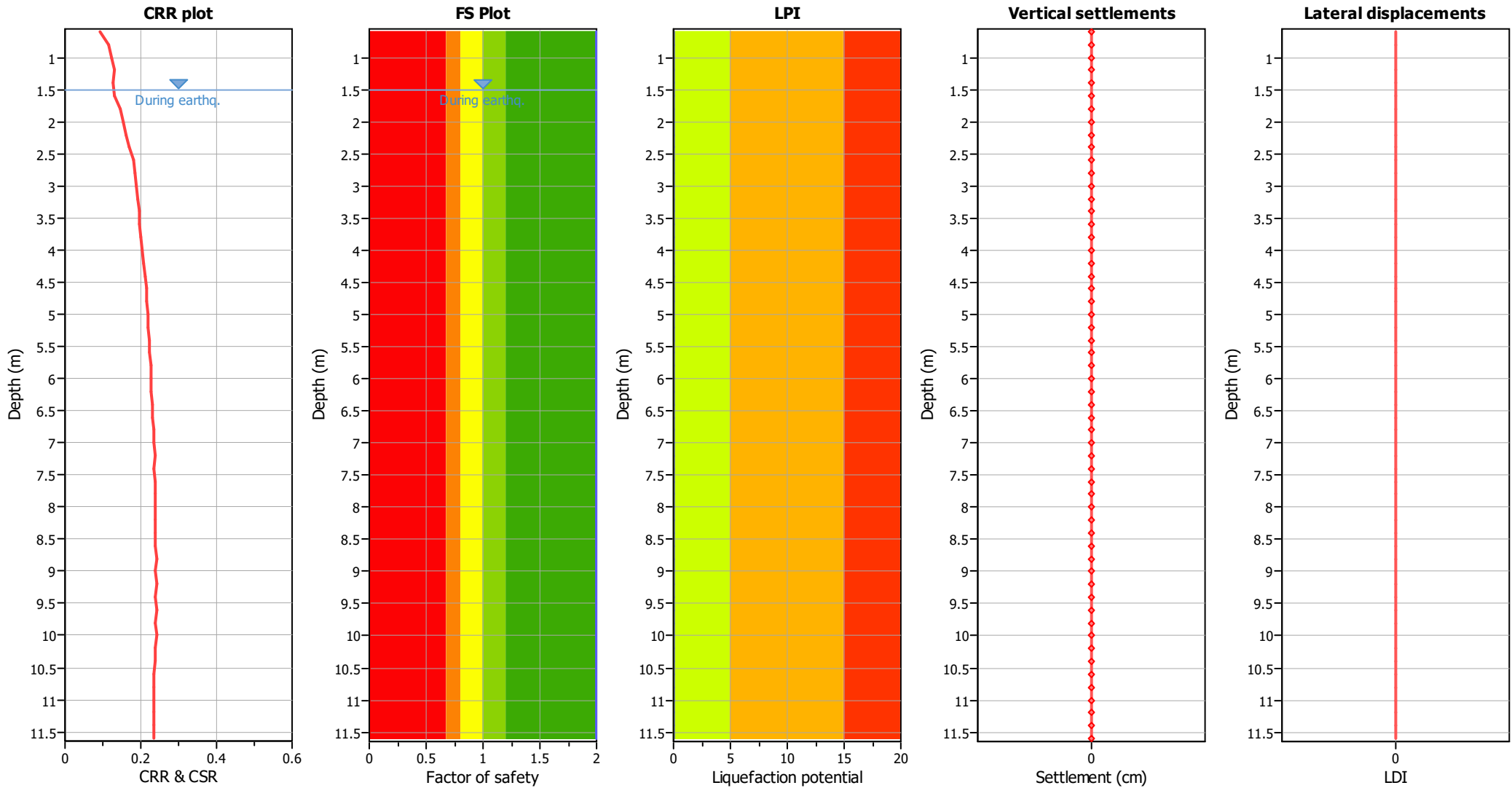
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	50.33	2.00	0.00	1.00	0.00	1.80	36.83	2.00	0.00	1.00	0.00
2.00	30.72	2.00	0.00	1.00	0.00	2.20	22.10	2.00	0.00	1.00	0.00
2.40	18.31	2.00	0.00	1.00	0.00	2.60	12.05	2.00	0.00	1.00	0.00
2.80	11.84	2.00	0.00	1.00	0.00	3.00	14.45	2.00	0.00	1.00	0.00
3.20	14.22	2.00	0.00	1.00	0.00	3.40	19.36	2.00	0.00	1.00	0.00
3.60	21.68	2.00	0.00	1.00	0.00	3.80	21.35	2.00	0.00	1.00	0.00
4.00	18.50	2.00	0.00	1.00	0.00	4.20	18.23	2.00	0.00	1.00	0.00
4.40	19.22	2.00	0.00	1.00	0.00	4.60	15.26	2.00	0.00	1.00	0.00
4.80	17.49	2.00	0.00	1.00	0.00	5.00	14.85	2.00	0.00	1.00	0.00
5.20	15.86	2.00	0.00	1.00	0.00	5.40	13.30	2.00	0.00	1.00	0.00
5.60	11.97	2.00	0.00	1.00	0.00	5.80	11.83	2.00	0.00	1.00	0.00
6.00	12.86	2.00	0.00	1.00	0.00	6.20	16.13	2.00	0.00	1.00	0.00
6.40	14.84	2.00	0.00	1.00	0.00	6.60	10.20	2.00	0.00	1.00	0.00
6.80	7.88	2.00	0.00	1.00	0.00	7.00	5.58	2.00	0.00	1.00	0.00
7.20	4.43	2.00	0.00	1.00	0.00	7.40	8.75	2.00	0.00	1.00	0.00
7.60	5.43	2.00	0.00	1.00	0.00	7.80	6.45	2.00	0.00	1.00	0.00
8.00	6.40	2.00	0.00	1.00	0.00	8.20	12.64	2.00	0.00	1.00	0.00
8.40	6.28	2.00	0.00	1.00	0.00	8.60	7.26	2.00	0.00	1.00	0.00
8.80	6.17	2.00	0.00	1.00	0.00	9.00	7.14	2.00	0.00	1.00	0.00
9.20	6.07	2.00	0.00	1.00	0.00	9.40	8.03	2.00	0.00	1.00	0.00
9.60	6.97	2.00	0.00	1.00	0.00	9.80	7.90	2.00	0.00	1.00	0.00
10.00	5.88	2.00	0.00	1.00	0.00	10.20	8.75	2.00	0.00	1.00	0.00
10.40	12.53	2.00	0.00	1.00	0.00	10.60	22.03	2.00	0.00	1.00	0.00
10.80	13.27	2.00	0.00	1.00	0.00	11.00	13.17	2.00	0.00	1.00	0.00
11.20	16.81	2.00	0.00	1.00	0.00	11.40	13.89	2.00	0.00	1.00	0.00
11.60	14.70	2.00	0.00	1.00	0.00						
Total estimated settlement: 0.00											

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

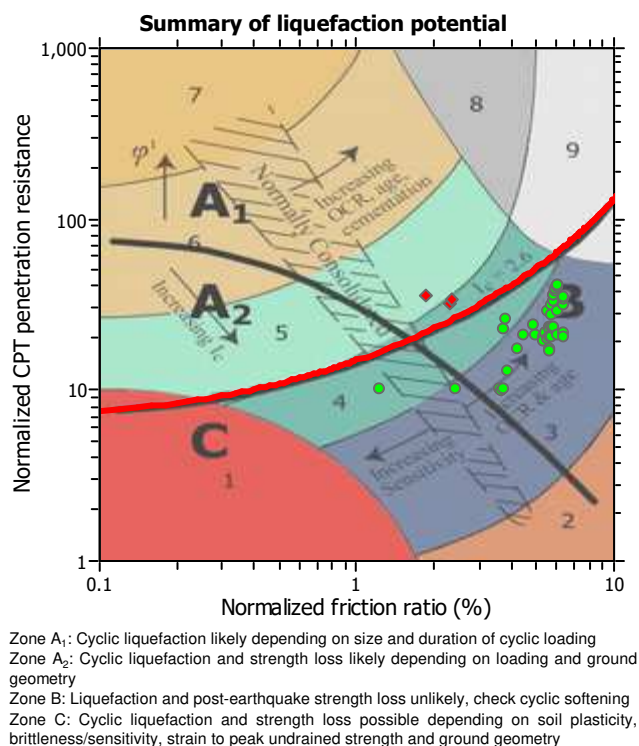
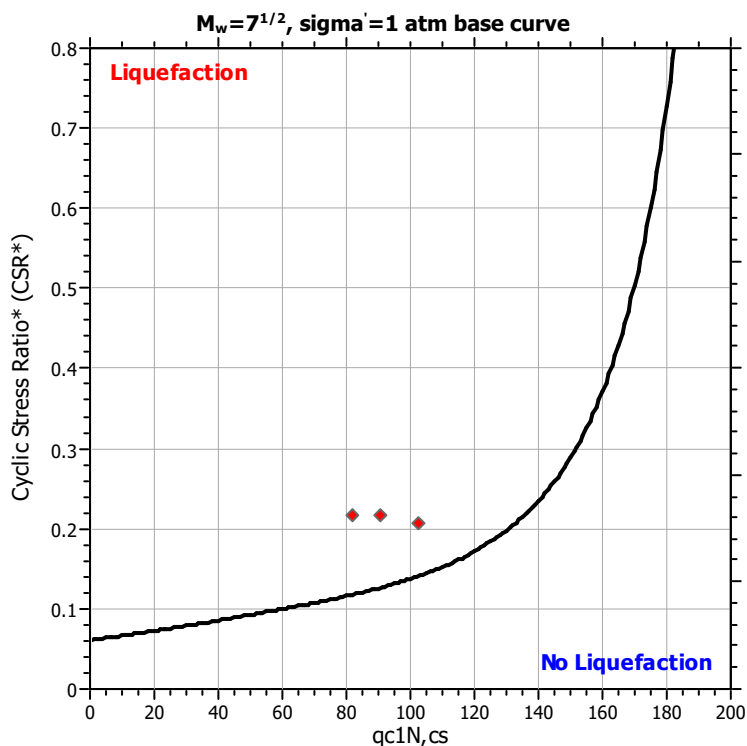
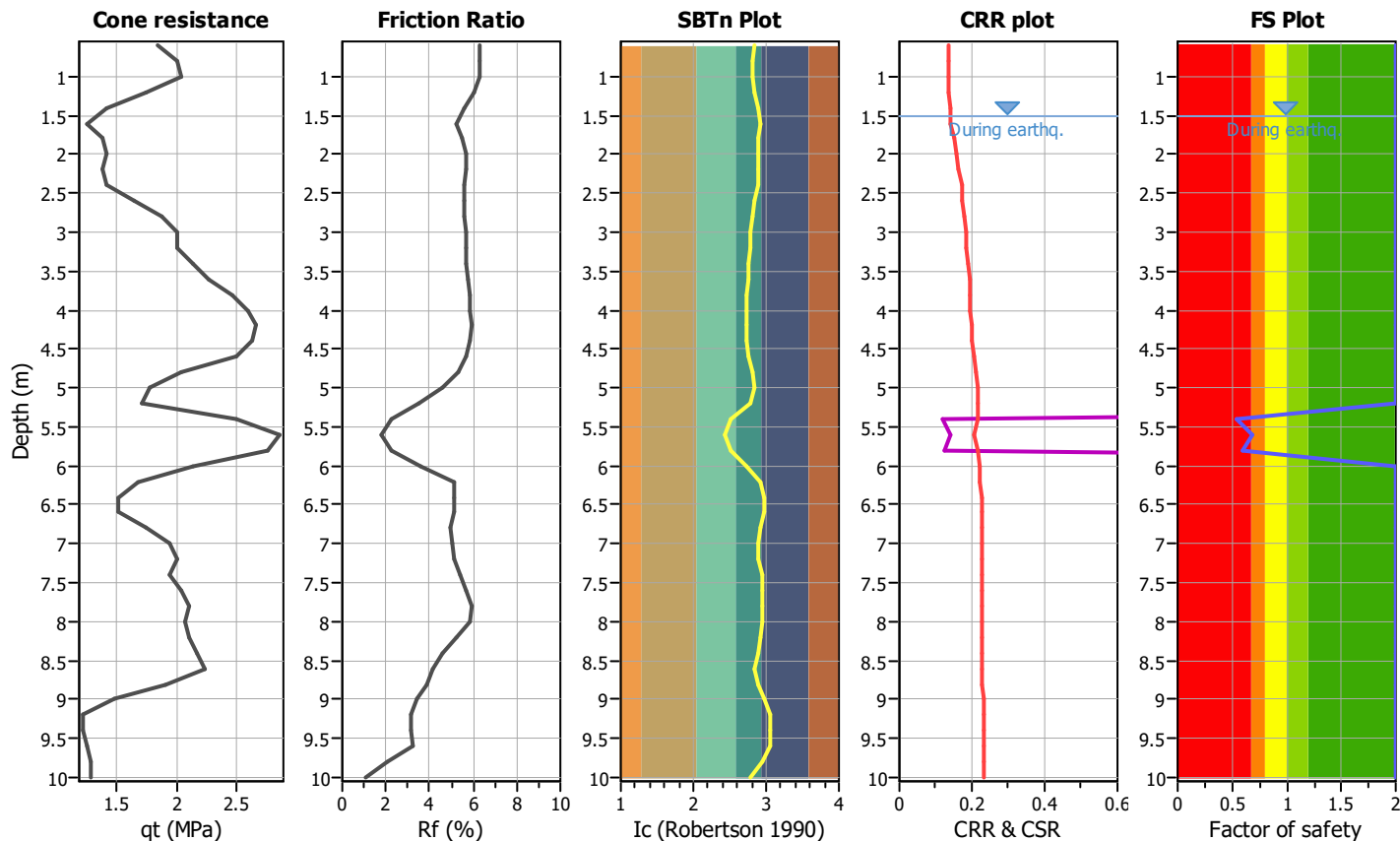
Project title :

Location :

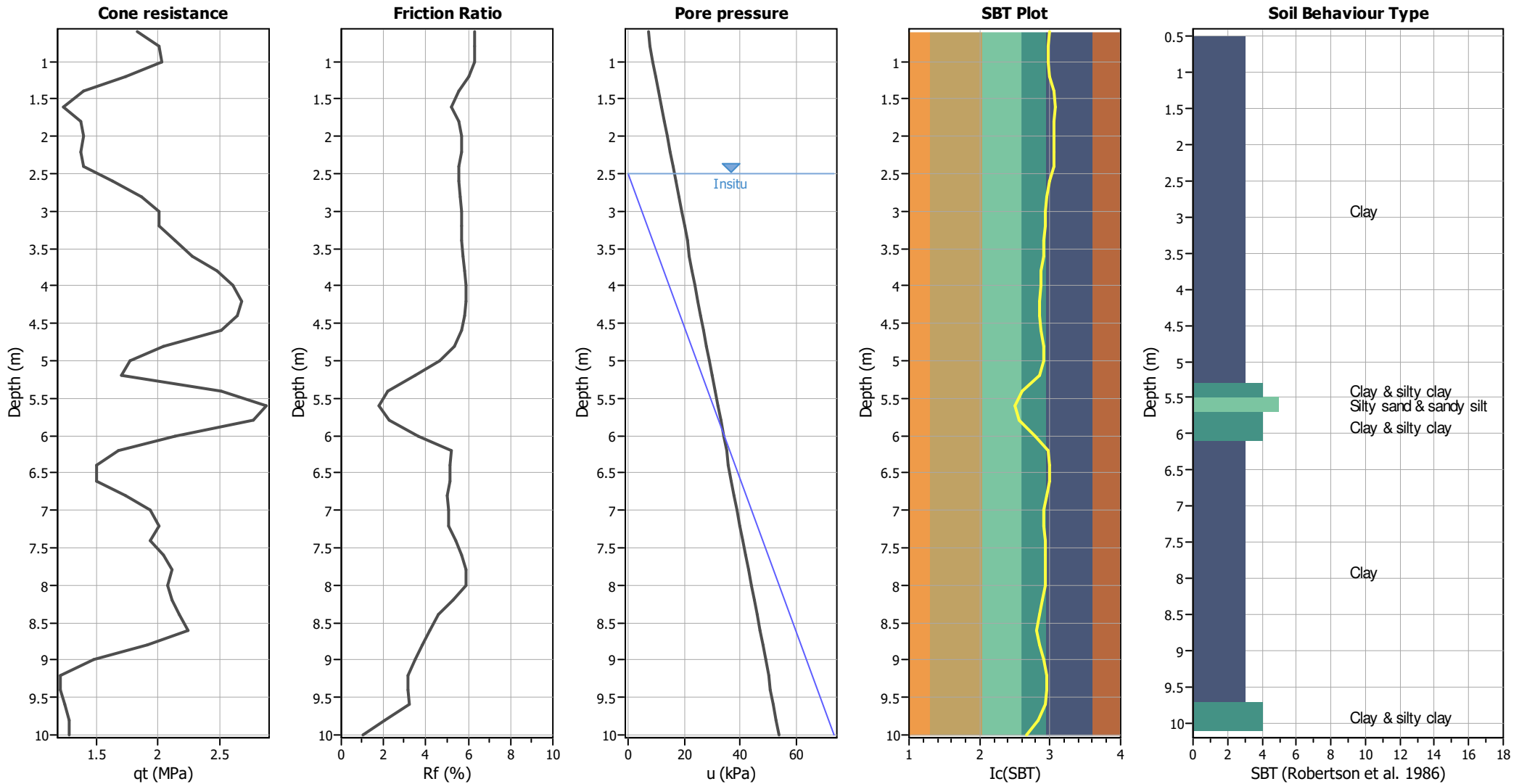
CPT file : P125_CPT116

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



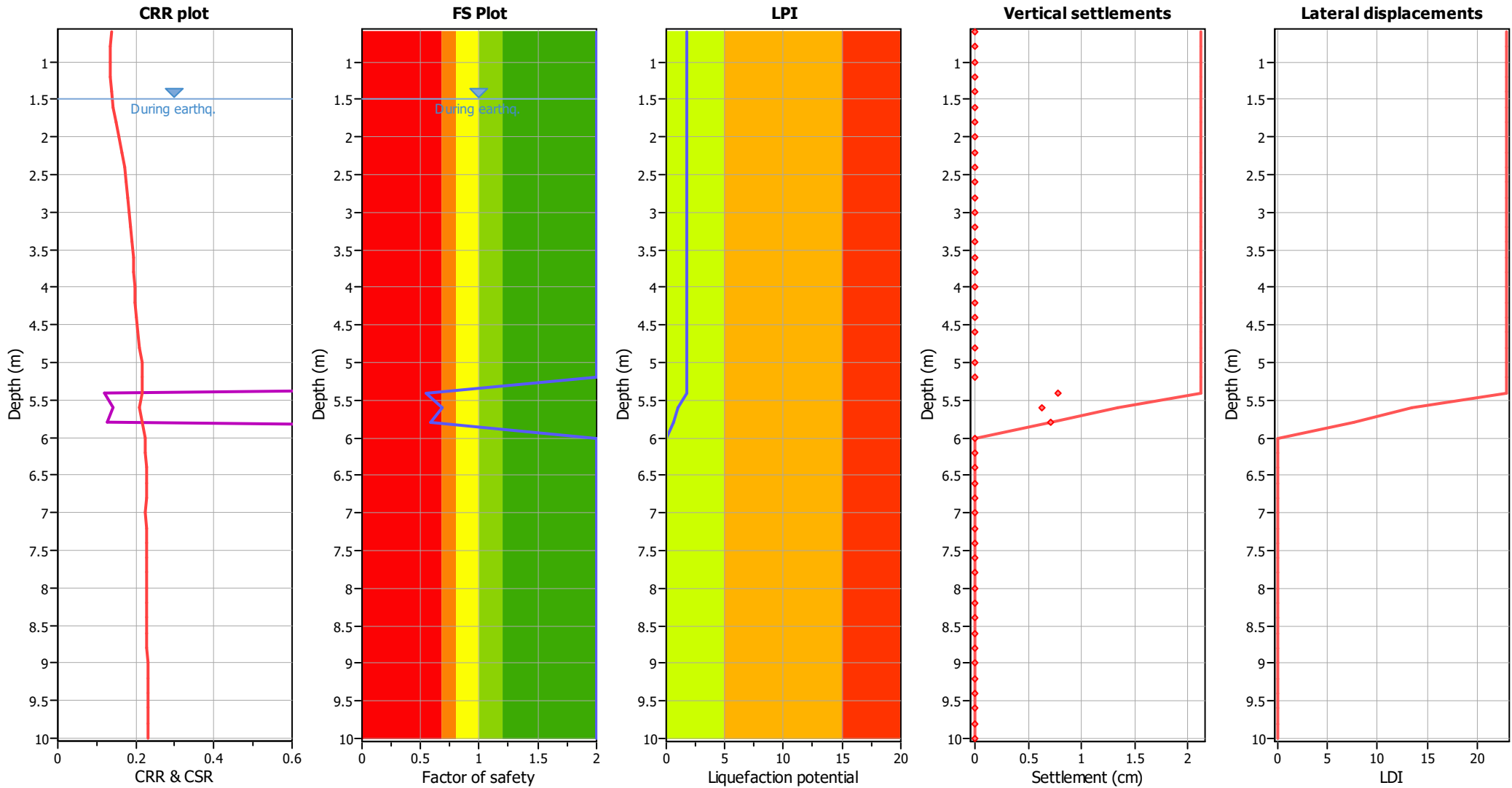
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlikely 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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	0.54	0.46	7.30	0.20	0.67	5.60	0.68	0.32	7.20	0.20	0.46
5.80	0.59	0.41	7.10	0.20	0.59	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 1.72

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

:: 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)
1.60	20.13	2.00	0.00	1.00	0.00	1.80	21.81	2.00	0.00	1.00	0.00
2.00	26.82	2.00	0.00	1.00	0.00	2.20	21.10	2.00	0.00	1.00	0.00
2.40	18.73	2.00	0.00	1.00	0.00	2.60	25.26	2.00	0.00	1.00	0.00
2.80	28.92	2.00	0.00	1.00	0.00	3.00	27.08	2.00	0.00	1.00	0.00
3.20	29.26	2.00	0.00	1.00	0.00	3.40	27.48	2.00	0.00	1.00	0.00
3.60	30.87	2.00	0.00	1.00	0.00	3.80	32.90	2.00	0.00	1.00	0.00
4.00	33.63	2.00	0.00	1.00	0.00	4.20	34.34	2.00	0.00	1.00	0.00
4.40	33.84	2.00	0.00	1.00	0.00	4.60	30.99	2.00	0.00	1.00	0.00
4.80	28.20	2.00	0.00	1.00	0.00	5.00	15.99	2.00	0.00	1.00	0.00
5.20	20.52	2.00	0.00	1.00	0.00	5.40	81.87	0.54	3.92	1.00	0.78
5.60	102.67	0.68	3.13	1.00	0.63	5.80	90.93	0.59	3.54	1.00	0.71
6.00	20.69	2.00	0.00	1.00	0.00	6.20	20.42	2.00	0.00	1.00	0.00
6.40	15.76	2.00	0.00	1.00	0.00	6.60	14.48	2.00	0.00	1.00	0.00
6.80	19.75	2.00	0.00	1.00	0.00	7.00	22.74	2.00	0.00	1.00	0.00
7.20	20.38	2.00	0.00	1.00	0.00	7.40	21.21	2.00	0.00	1.00	0.00
7.60	19.94	2.00	0.00	1.00	0.00	7.80	22.82	2.00	0.00	1.00	0.00
8.00	22.59	2.00	0.00	1.00	0.00	8.20	18.31	2.00	0.00	1.00	0.00
8.40	23.15	2.00	0.00	1.00	0.00	8.60	23.93	2.00	0.00	1.00	0.00
8.80	19.76	2.00	0.00	1.00	0.00	9.00	12.73	2.00	0.00	1.00	0.00
9.20	10.68	2.00	0.00	1.00	0.00	9.40	11.56	2.00	0.00	1.00	0.00
9.60	12.43	2.00	0.00	1.00	0.00	9.80	11.38	2.00	0.00	1.00	0.00
10.00	12.25	2.00	0.00	1.00	0.00						

Total estimated settlement: 2.12

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

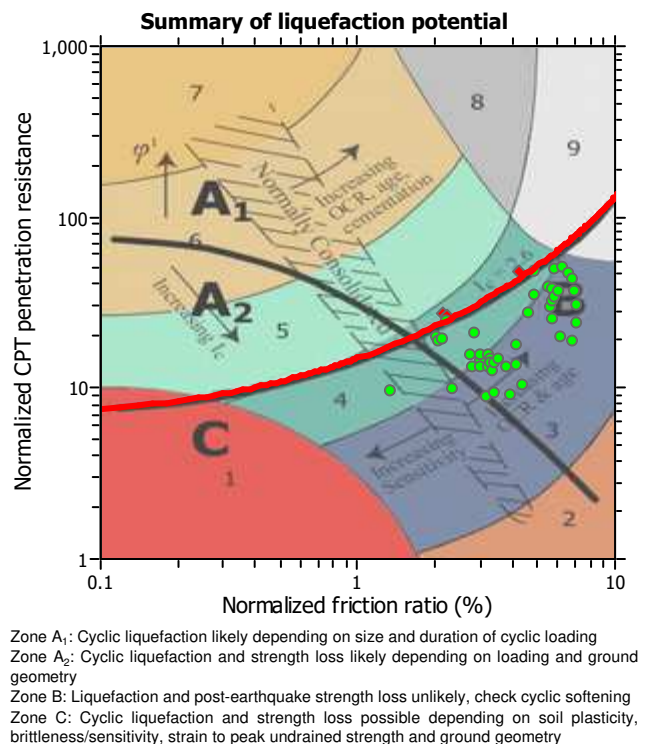
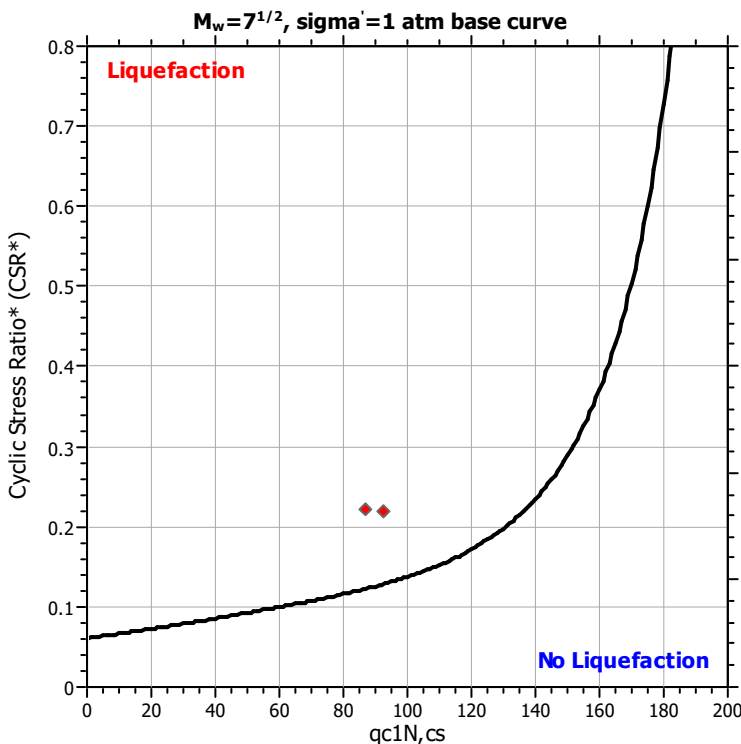
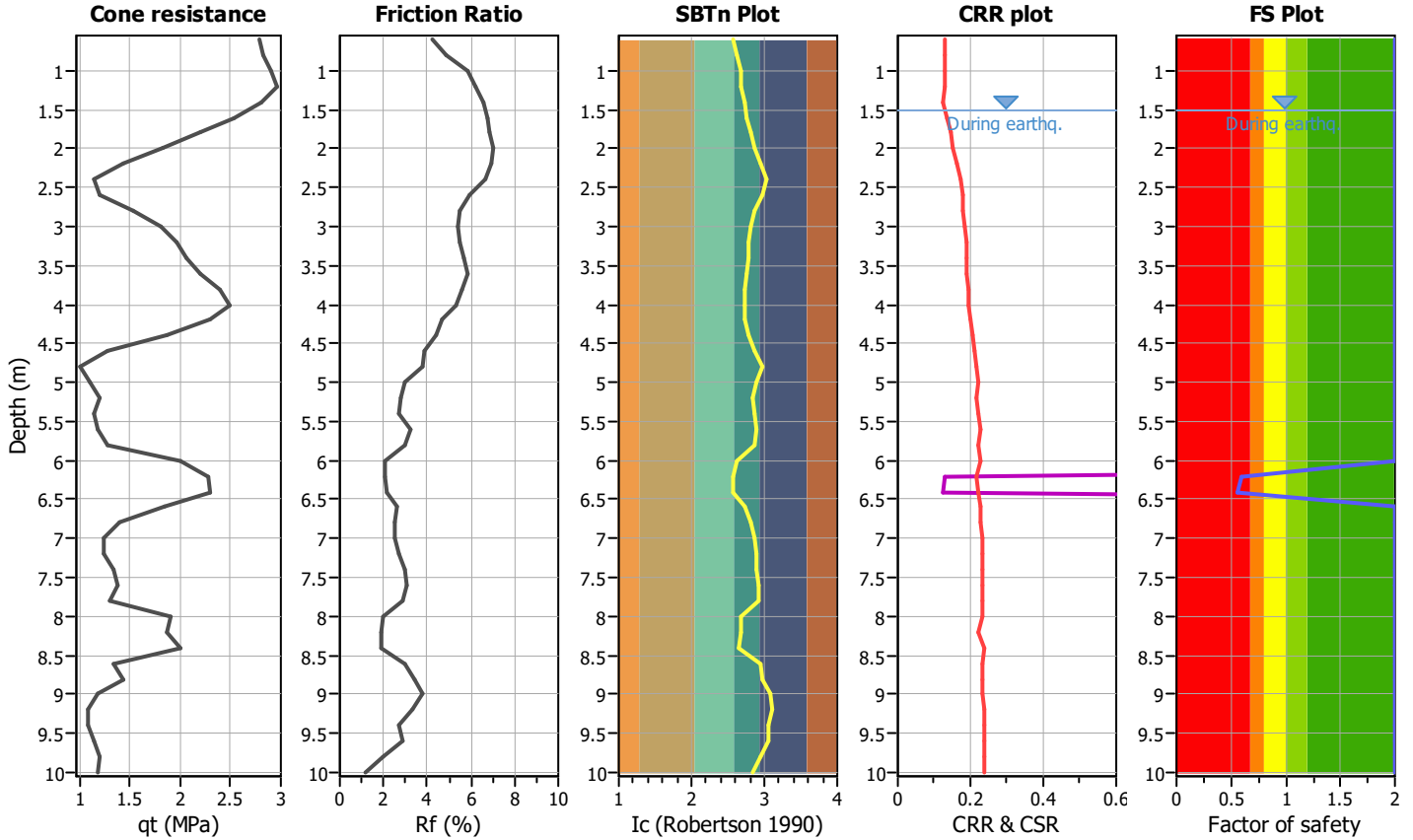
Project title :

Location :

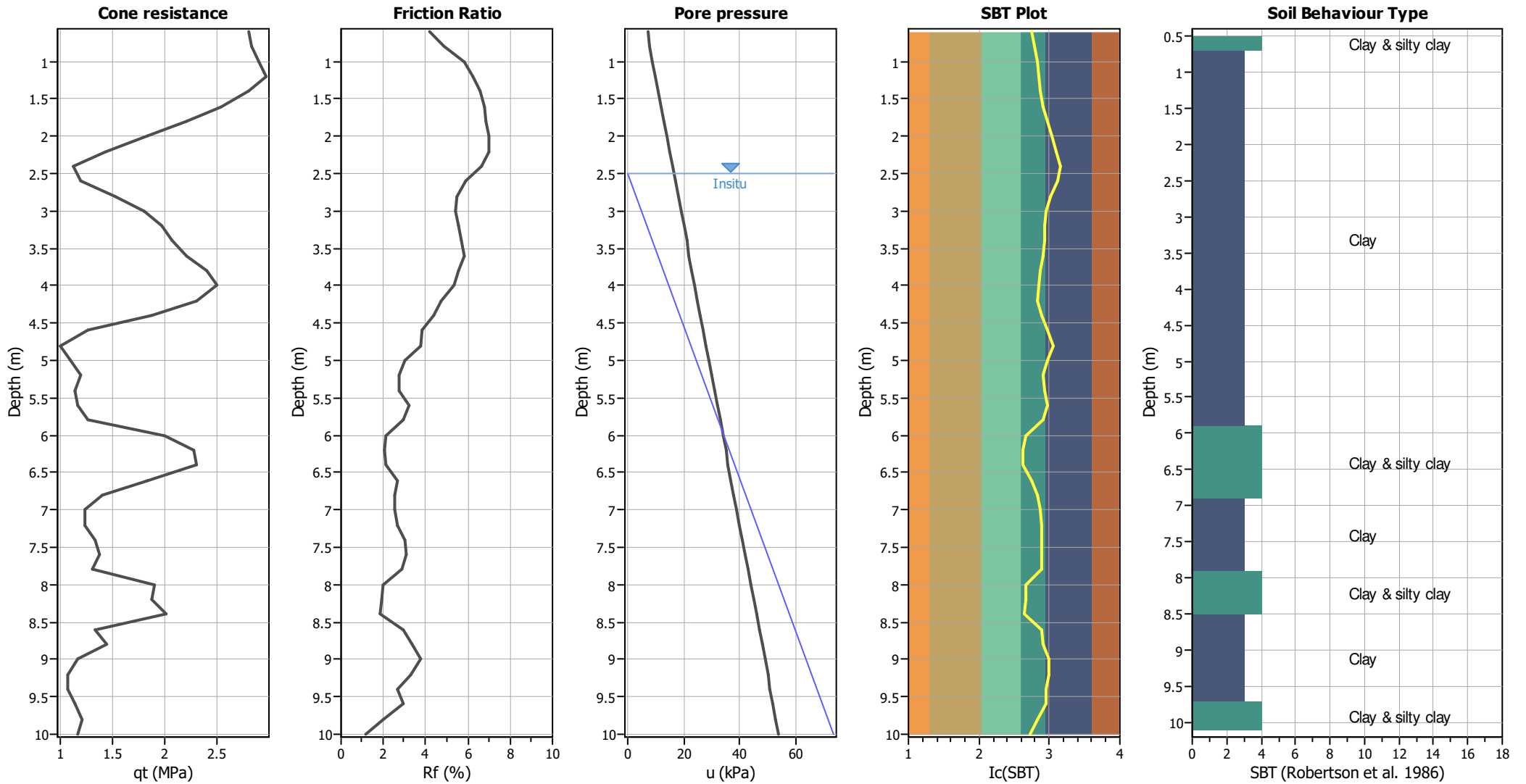
CPT file : P126_CPT117

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



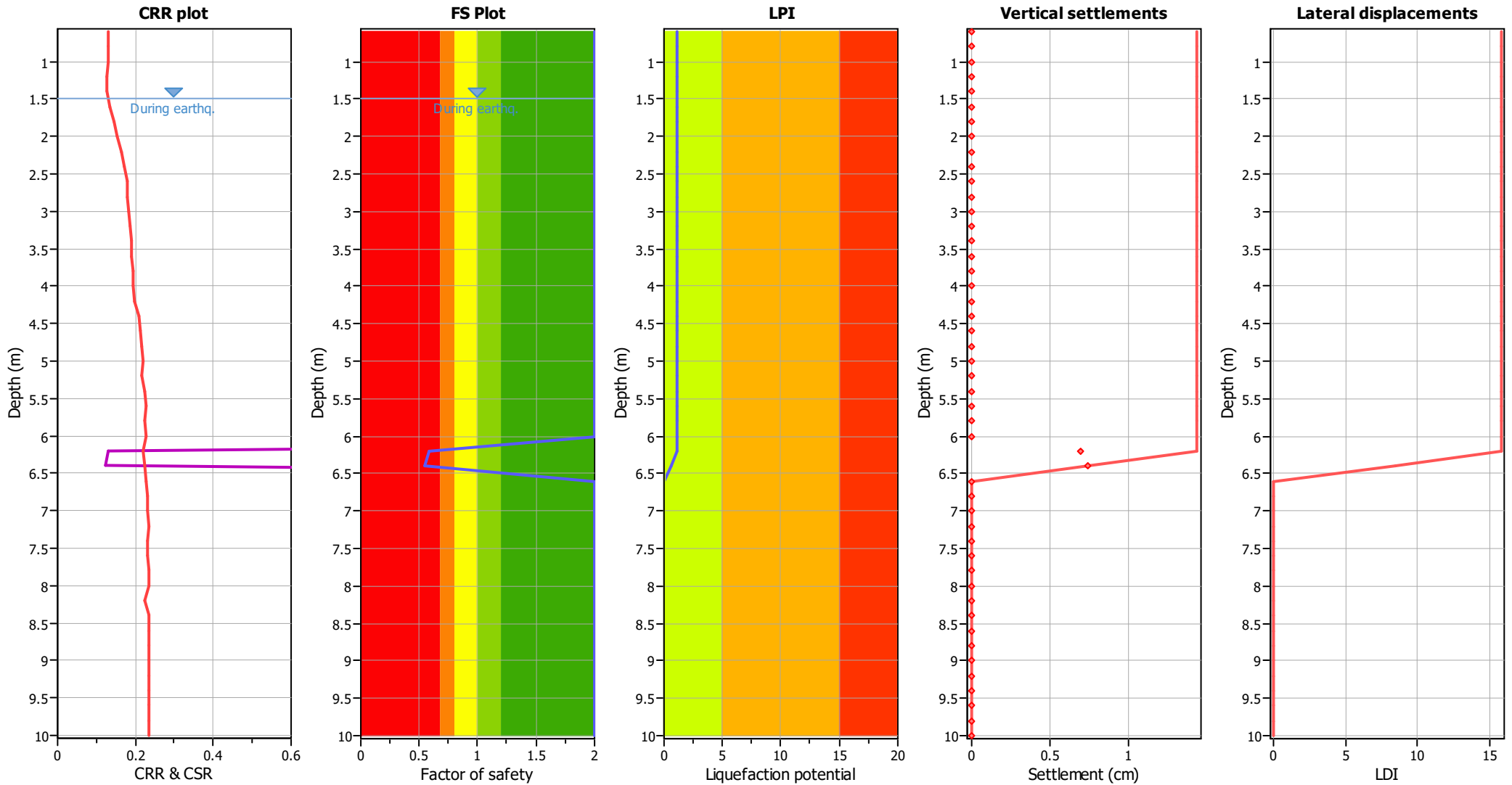
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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_D applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	0.59	0.41	6.90	0.20	0.57	6.40	0.55	0.45	6.80	0.20	0.61
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 1.18

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

:: 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)
1.60	40.27	2.00	0.00	1.00	0.00	1.80	36.91	2.00	0.00	1.00	0.00
2.00	32.43	2.00	0.00	1.00	0.00	2.20	20.74	2.00	0.00	1.00	0.00
2.40	15.48	2.00	0.00	1.00	0.00	2.60	16.46	2.00	0.00	1.00	0.00
2.80	21.76	2.00	0.00	1.00	0.00	3.00	28.11	2.00	0.00	1.00	0.00
3.20	26.34	2.00	0.00	1.00	0.00	3.40	27.20	2.00	0.00	1.00	0.00
3.60	30.57	2.00	0.00	1.00	0.00	3.80	30.12	2.00	0.00	1.00	0.00
4.00	33.35	2.00	0.00	1.00	0.00	4.20	32.88	2.00	0.00	1.00	0.00
4.40	21.55	2.00	0.00	1.00	0.00	4.60	16.37	2.00	0.00	1.00	0.00
4.80	10.04	2.00	0.00	1.00	0.00	5.00	11.15	2.00	0.00	1.00	0.00
5.20	19.37	2.00	0.00	1.00	0.00	5.40	13.26	2.00	0.00	1.00	0.00
5.60	8.39	2.00	0.00	1.00	0.00	5.80	19.88	2.00	0.00	1.00	0.00
6.00	16.28	2.00	0.00	1.00	0.00	6.20	92.69	0.59	3.47	1.00	0.69
6.40	86.74	0.55	3.71	1.00	0.74	6.60	16.83	2.00	0.00	1.00	0.00
6.80	16.65	2.00	0.00	1.00	0.00	7.00	13.22	2.00	0.00	1.00	0.00
7.20	10.93	2.00	0.00	1.00	0.00	7.40	16.17	2.00	0.00	1.00	0.00
7.60	16.02	2.00	0.00	1.00	0.00	7.80	11.66	2.00	0.00	1.00	0.00
8.00	13.64	2.00	0.00	1.00	0.00	8.20	34.09	2.00	0.00	1.00	0.00
8.40	10.31	2.00	0.00	1.00	0.00	8.60	17.33	2.00	0.00	1.00	0.00
8.80	13.14	2.00	0.00	1.00	0.00	9.00	13.02	2.00	0.00	1.00	0.00
9.20	8.94	2.00	0.00	1.00	0.00	9.40	9.86	2.00	0.00	1.00	0.00
9.60	12.71	2.00	0.00	1.00	0.00	9.80	10.67	2.00	0.00	1.00	0.00
10.00	11.56	2.00	0.00	1.00	0.00						

Total estimated settlement: 1.43

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

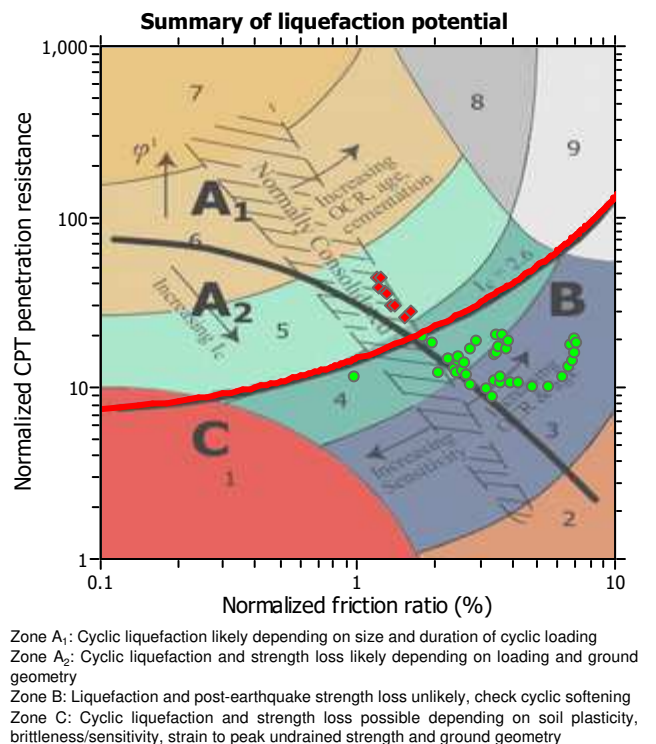
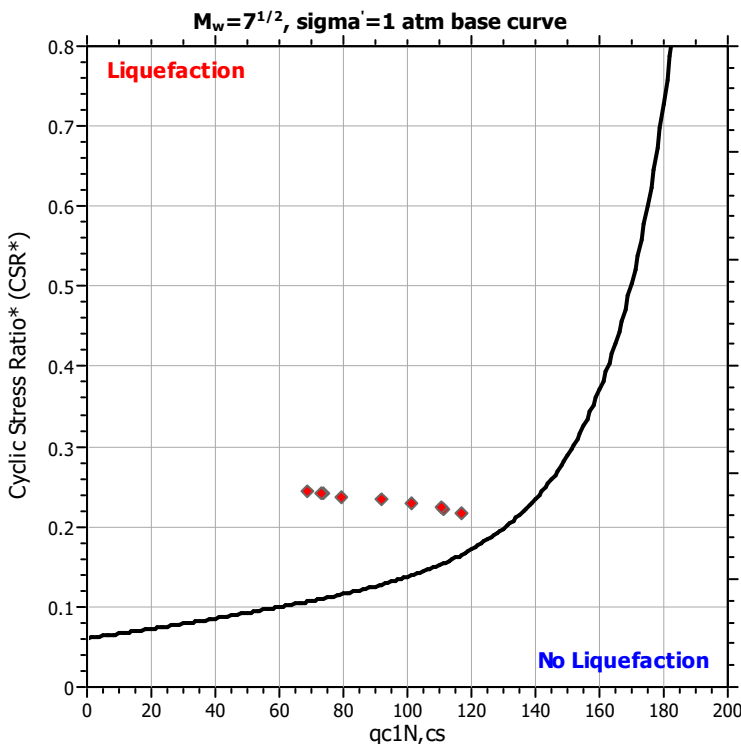
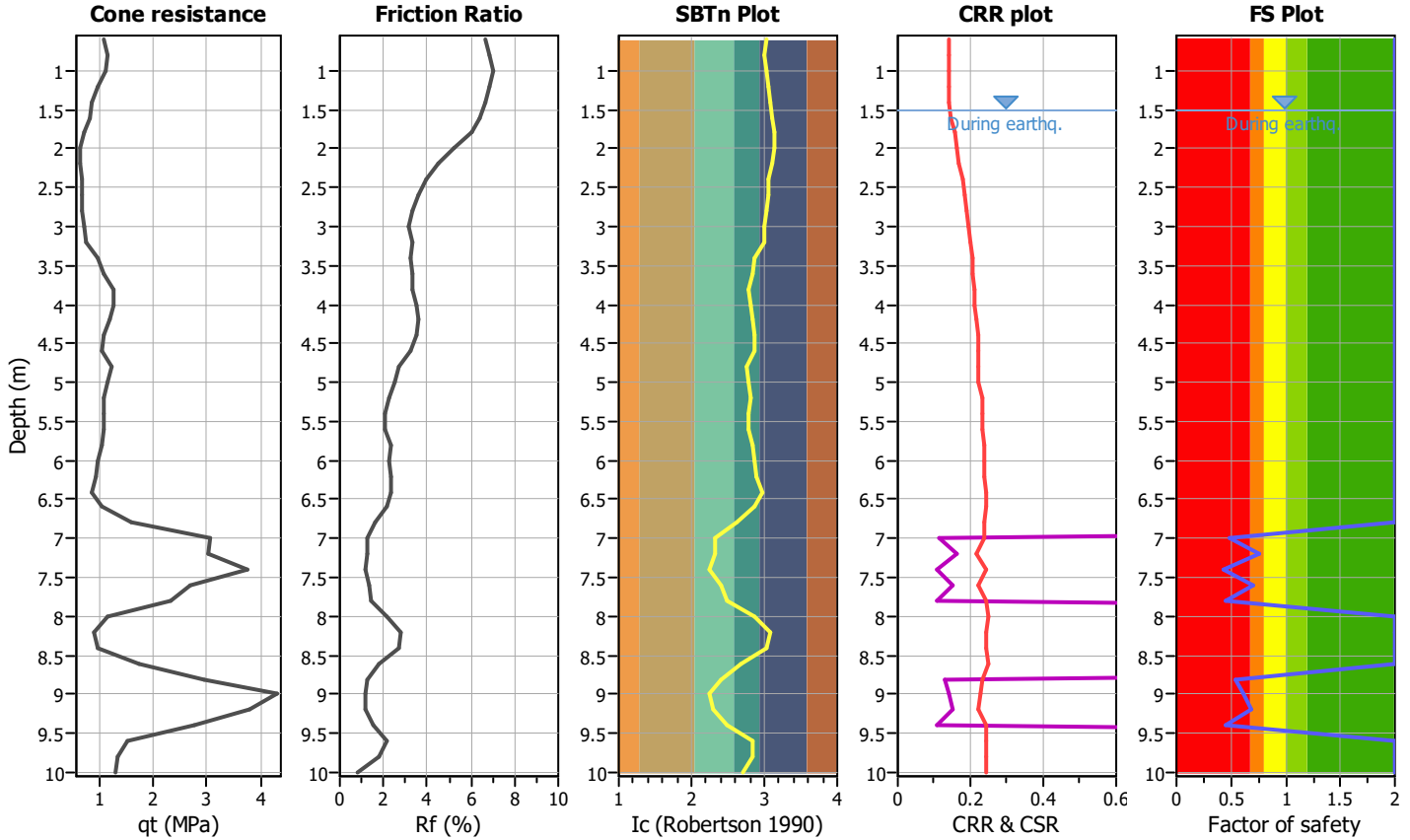
Project title :

Location :

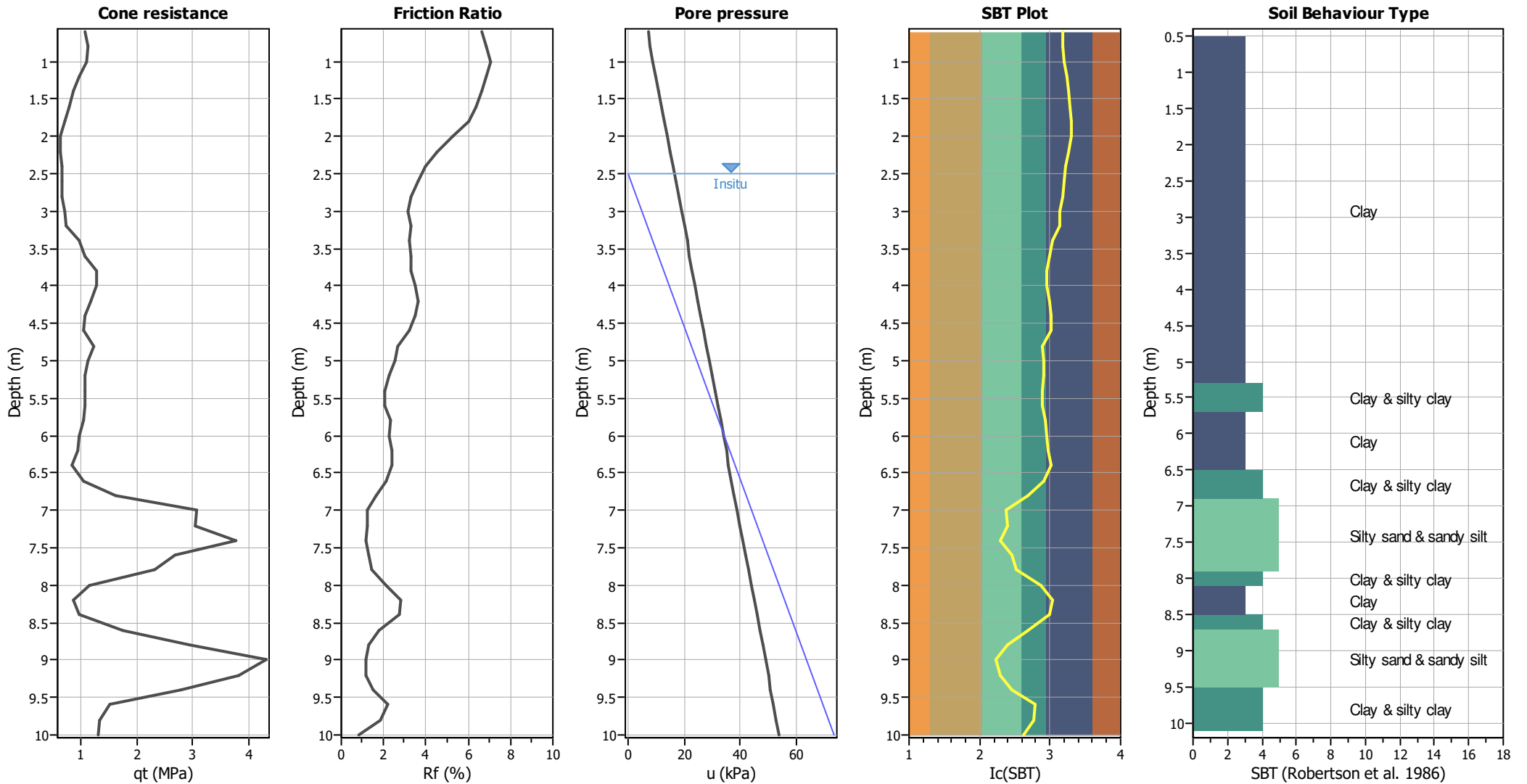
CPT file : P128_CPT119

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



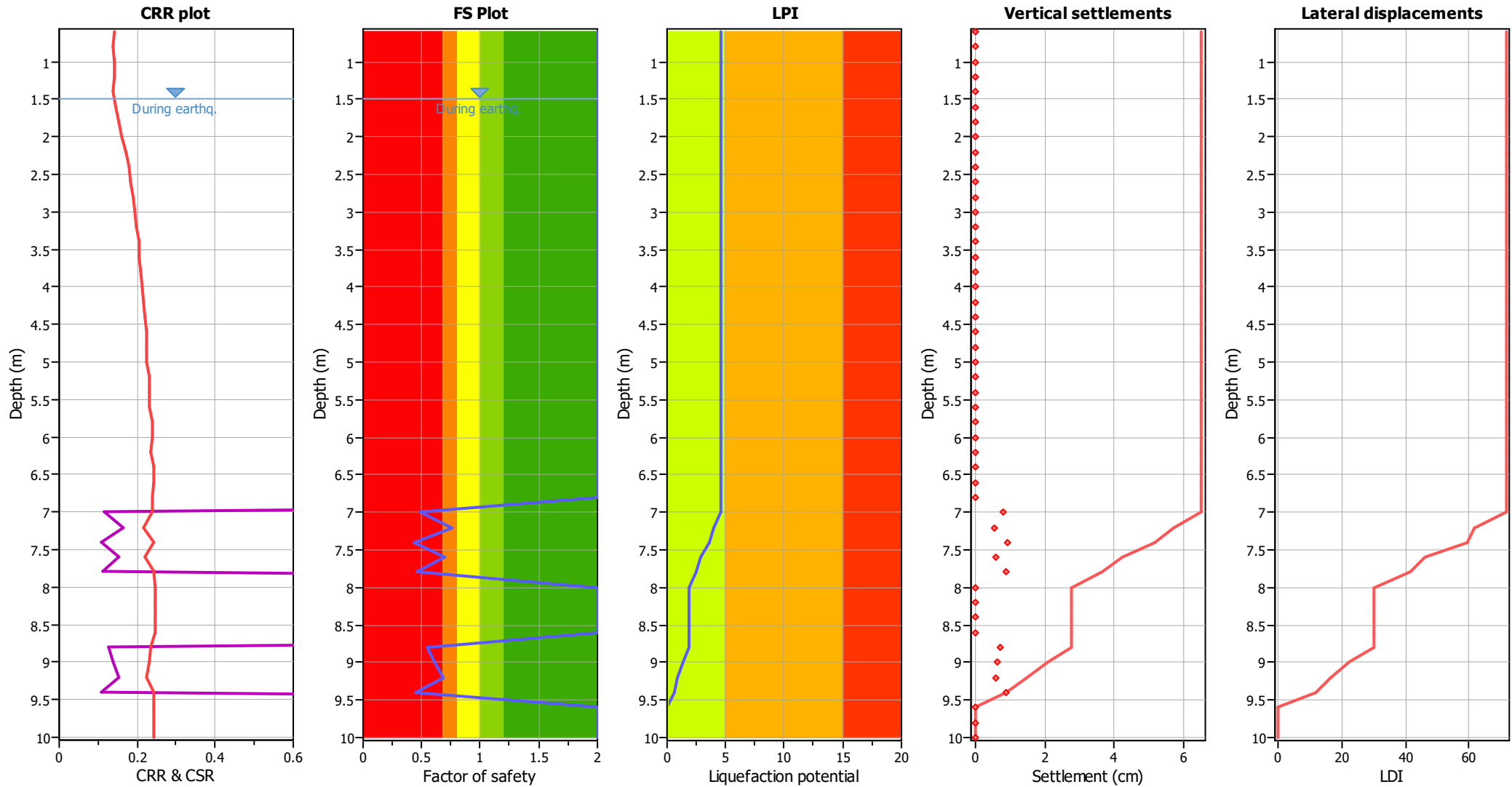
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	0.48	0.52	6.50	0.20	0.67	7.20	0.76	0.24	6.40	0.20	0.30
7.40	0.44	0.56	6.30	0.20	0.71	7.60	0.70	0.30	6.20	0.20	0.38
7.80	0.46	0.54	6.10	0.20	0.66	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	0.54	0.46	5.60	0.20	0.51
9.00	0.61	0.39	5.50	0.20	0.43	9.20	0.69	0.31	5.40	0.20	0.34
9.40	0.45	0.55	5.30	0.20	0.58	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 4.59

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

Abbreviations

FS: Calculated factor of safety for test point
 F_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

:: 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)
1.60	13.42	2.00	0.00	1.00	0.00	1.80	10.07	2.00	0.00	1.00	0.00
2.00	11.74	2.00	0.00	1.00	0.00	2.20	10.07	2.00	0.00	1.00	0.00
2.40	9.89	2.00	0.00	1.00	0.00	2.60	12.67	2.00	0.00	1.00	0.00
2.80	9.44	2.00	0.00	1.00	0.00	3.00	9.29	2.00	0.00	1.00	0.00
3.20	13.54	2.00	0.00	1.00	0.00	3.40	10.46	2.00	0.00	1.00	0.00
3.60	18.71	2.00	0.00	1.00	0.00	3.80	17.07	2.00	0.00	1.00	0.00
4.00	18.16	2.00	0.00	1.00	0.00	4.20	17.88	2.00	0.00	1.00	0.00
4.40	12.34	2.00	0.00	1.00	0.00	4.60	13.48	2.00	0.00	1.00	0.00
4.80	15.90	2.00	0.00	1.00	0.00	5.00	19.49	2.00	0.00	1.00	0.00
5.20	9.15	2.00	0.00	1.00	0.00	5.40	12.82	2.00	0.00	1.00	0.00
5.60	18.83	2.00	0.00	1.00	0.00	5.80	8.82	2.00	0.00	1.00	0.00
6.00	11.16	2.00	0.00	1.00	0.00	6.20	15.83	2.00	0.00	1.00	0.00
6.40	7.31	2.00	0.00	1.00	0.00	6.60	7.24	2.00	0.00	1.00	0.00
6.80	22.30	2.00	0.00	1.00	0.00	7.00	79.27	0.48	4.04	1.00	0.81
7.20	116.80	0.76	2.73	1.00	0.55	7.40	68.97	0.44	4.61	1.00	0.92
7.60	111.01	0.70	2.88	1.00	0.58	7.80	73.56	0.46	4.34	1.00	0.87
8.00	7.78	2.00	0.00	1.00	0.00	8.20	10.98	2.00	0.00	1.00	0.00
8.40	9.80	2.00	0.00	1.00	0.00	8.60	10.78	2.00	0.00	1.00	0.00
8.80	91.88	0.54	3.50	1.00	0.70	9.00	101.15	0.61	3.18	1.00	0.64
9.20	110.85	0.69	2.89	1.00	0.58	9.40	72.86	0.45	4.38	1.00	0.88
9.60	14.33	2.00	0.00	1.00	0.00	9.80	13.20	2.00	0.00	1.00	0.00
10.00	13.11	2.00	0.00	1.00	0.00						

Total estimated settlement: 6.51

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

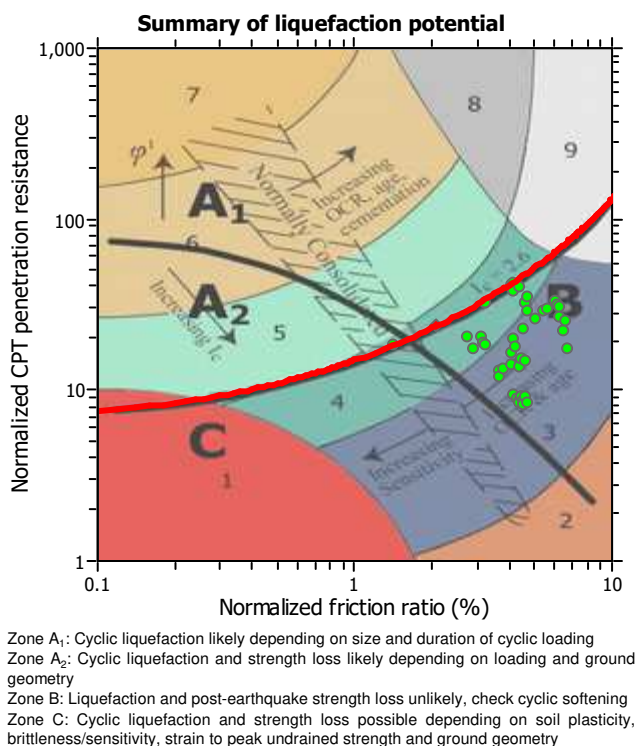
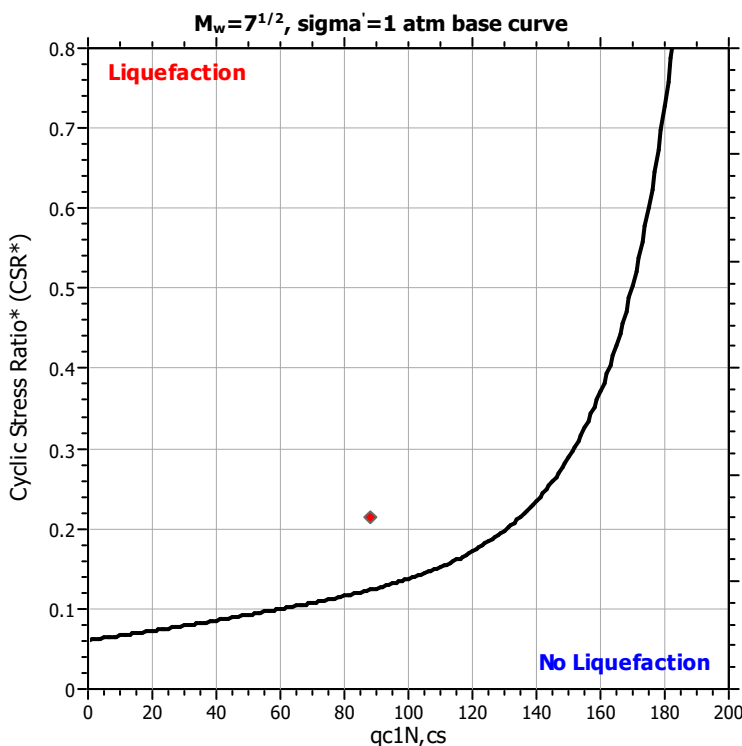
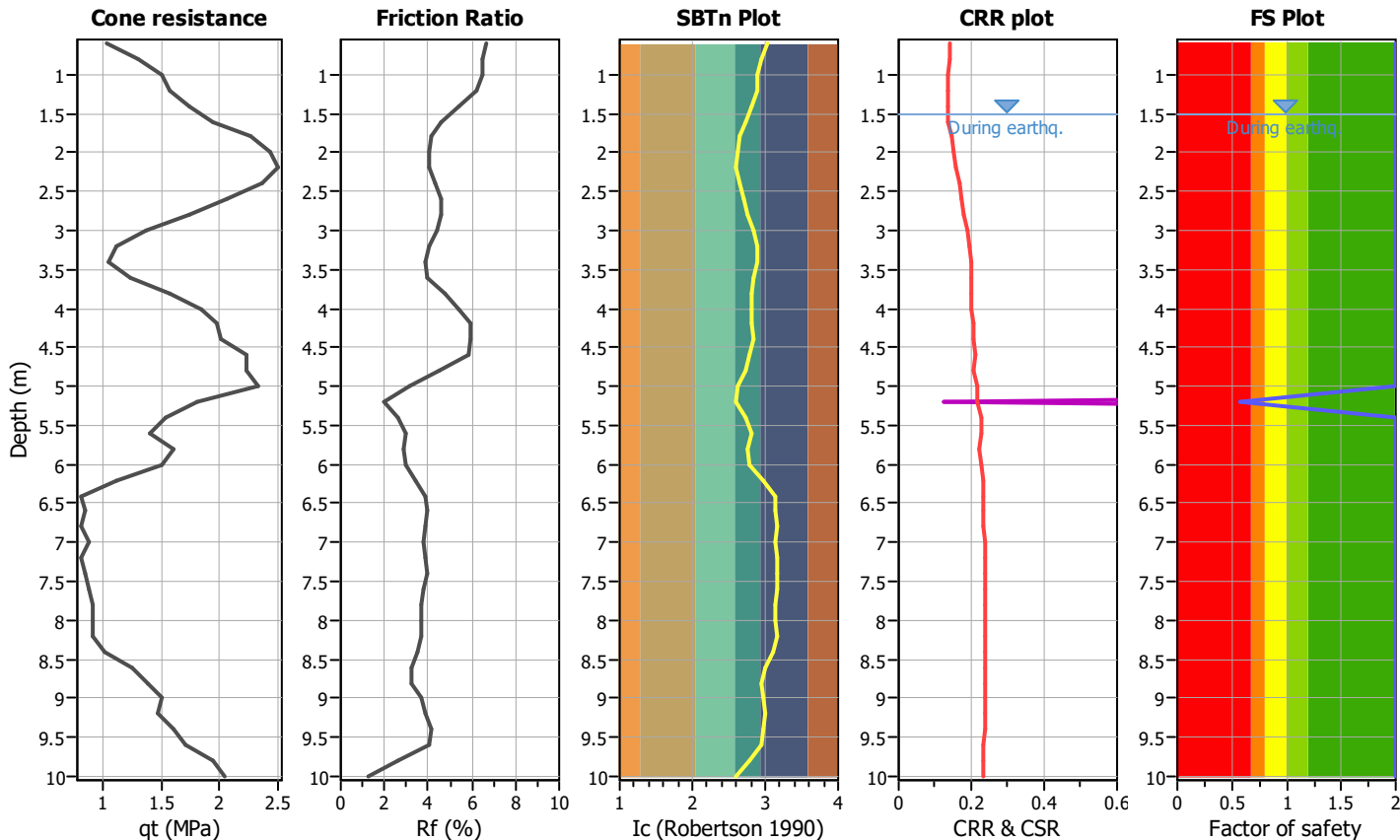
Project title :

Location :

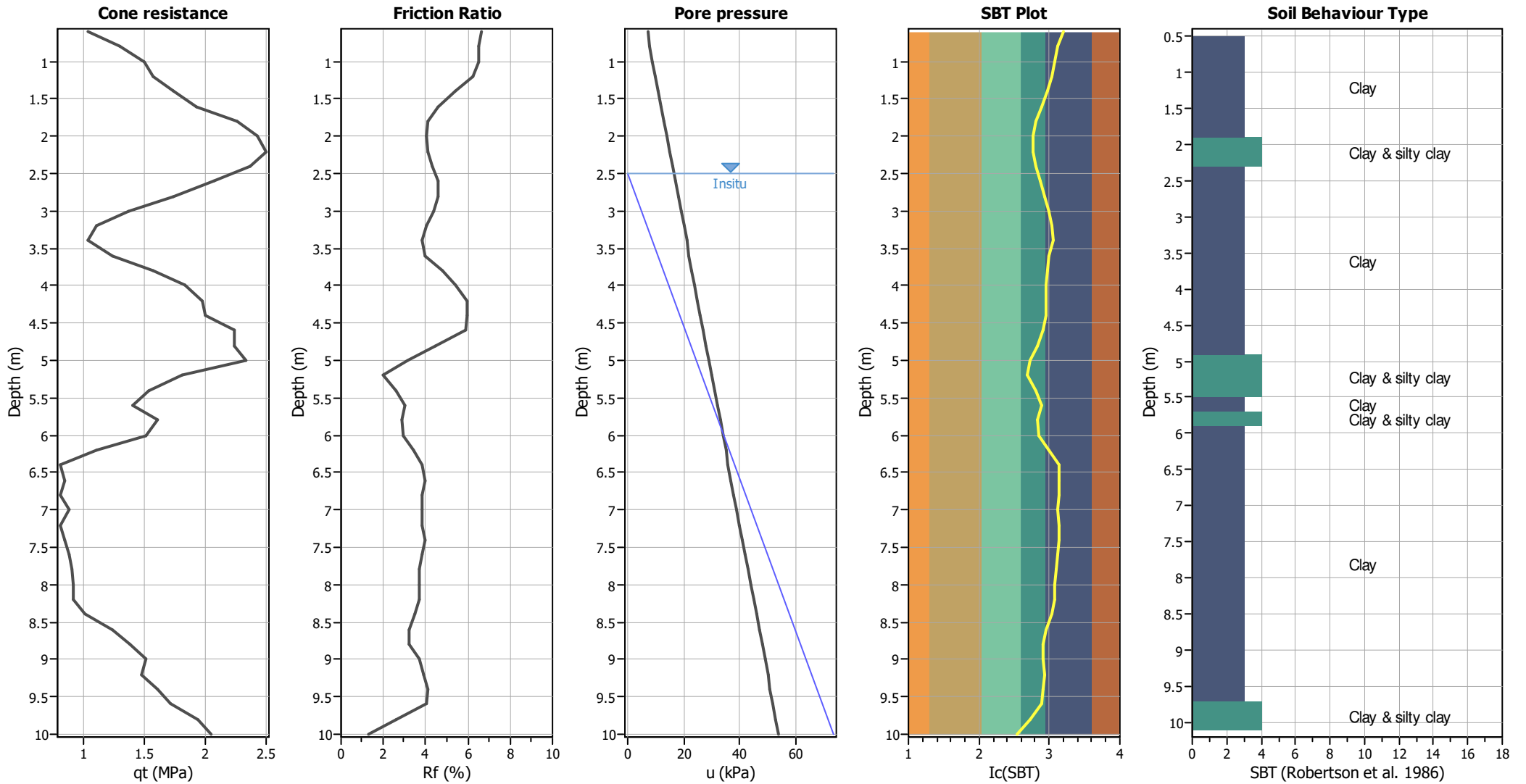
CPT file : P129_CPT120

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



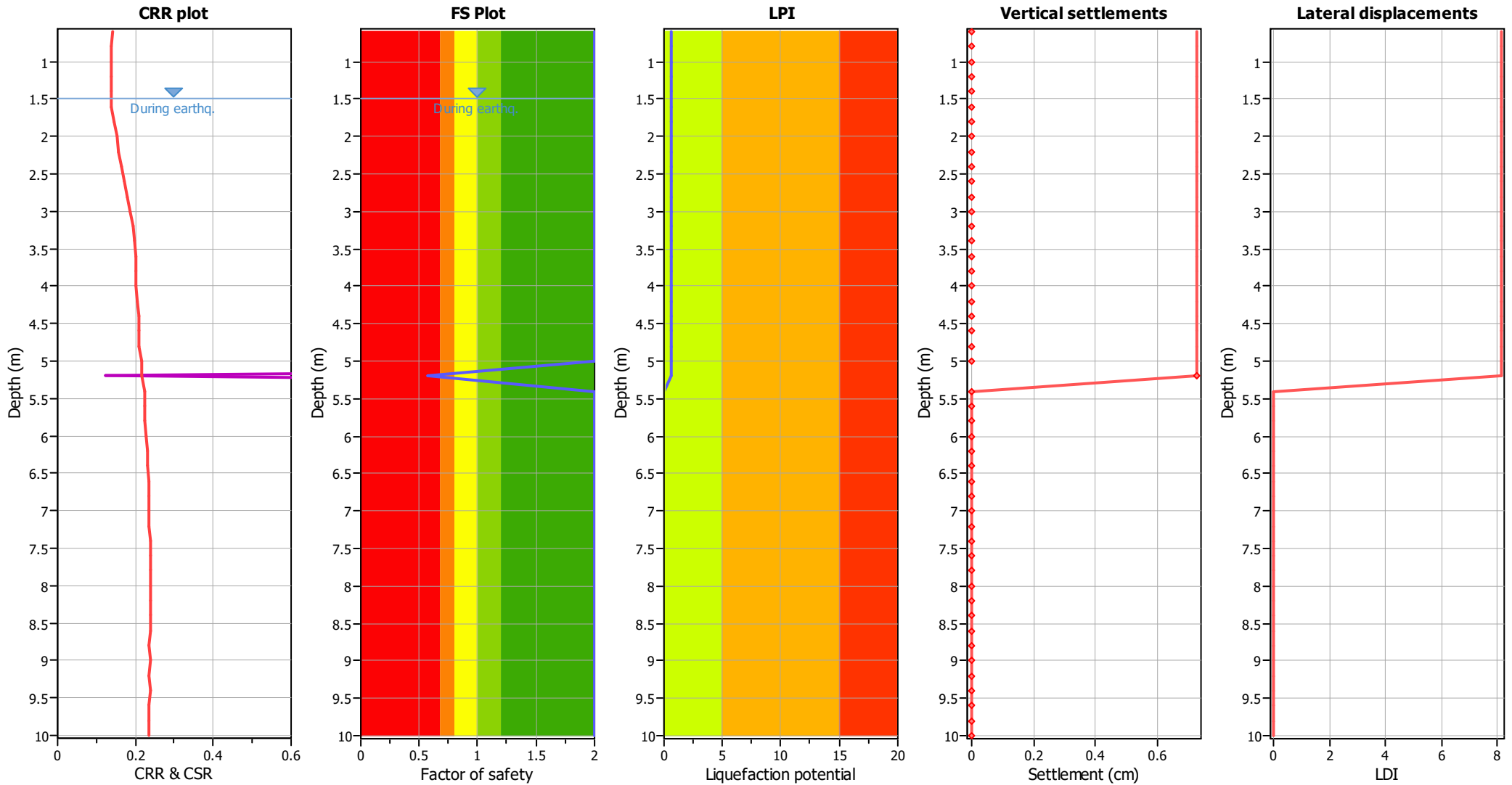
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	0.58	0.42	7.40	0.20	0.63
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.63

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

:: 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)
1.60	36.91	2.00	0.00	1.00	0.00	1.80	35.23	2.00	0.00	1.00	0.00
2.00	40.71	2.00	0.00	1.00	0.00	2.20	41.80	2.00	0.00	1.00	0.00
2.40	34.67	2.00	0.00	1.00	0.00	2.60	30.91	2.00	0.00	1.00	0.00
2.80	26.27	2.00	0.00	1.00	0.00	3.00	18.95	2.00	0.00	1.00	0.00
3.20	14.48	2.00	0.00	1.00	0.00	3.40	14.26	2.00	0.00	1.00	0.00
3.60	15.40	2.00	0.00	1.00	0.00	3.80	21.74	2.00	0.00	1.00	0.00
4.00	26.50	2.00	0.00	1.00	0.00	4.20	24.84	2.00	0.00	1.00	0.00
4.40	25.71	2.00	0.00	1.00	0.00	4.60	26.55	2.00	0.00	1.00	0.00
4.80	32.18	2.00	0.00	1.00	0.00	5.00	24.71	2.00	0.00	1.00	0.00
5.20	88.38	0.58	3.64	1.00	0.73	5.40	12.25	2.00	0.00	1.00	0.00
5.60	14.46	2.00	0.00	1.00	0.00	5.80	23.57	2.00	0.00	1.00	0.00
6.00	18.73	2.00	0.00	1.00	0.00	6.20	10.50	2.00	0.00	1.00	0.00
6.40	9.25	2.00	0.00	1.00	0.00	6.60	8.02	2.00	0.00	1.00	0.00
6.80	11.30	2.00	0.00	1.00	0.00	7.00	7.85	2.00	0.00	1.00	0.00
7.20	9.98	2.00	0.00	1.00	0.00	7.40	8.79	2.00	0.00	1.00	0.00
7.60	8.70	2.00	0.00	1.00	0.00	7.80	10.76	2.00	0.00	1.00	0.00
8.00	9.60	2.00	0.00	1.00	0.00	8.20	8.46	2.00	0.00	1.00	0.00
8.40	10.46	2.00	0.00	1.00	0.00	8.60	12.43	2.00	0.00	1.00	0.00
8.80	15.38	2.00	0.00	1.00	0.00	9.00	14.23	2.00	0.00	1.00	0.00
9.20	16.10	2.00	0.00	1.00	0.00	9.40	13.96	2.00	0.00	1.00	0.00
9.60	17.78	2.00	0.00	1.00	0.00	9.80	18.61	2.00	0.00	1.00	0.00
10.00	20.41	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.73

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

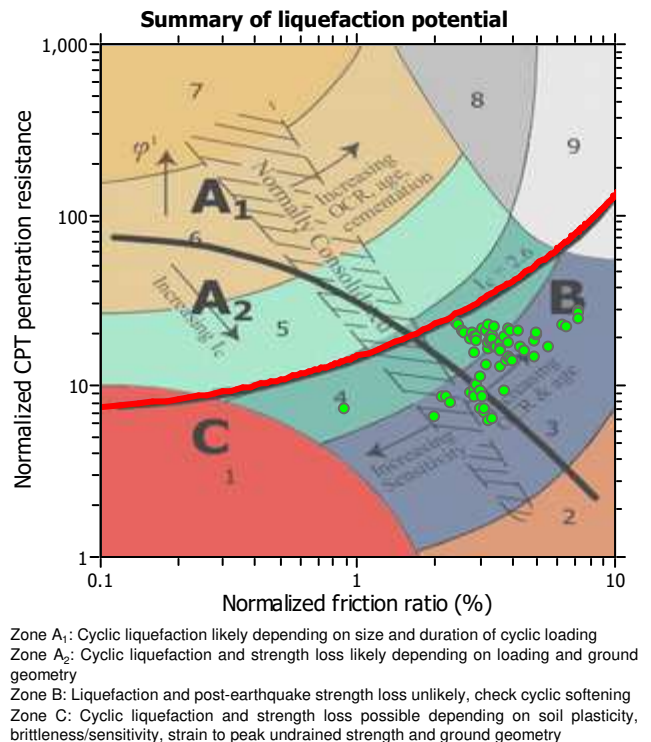
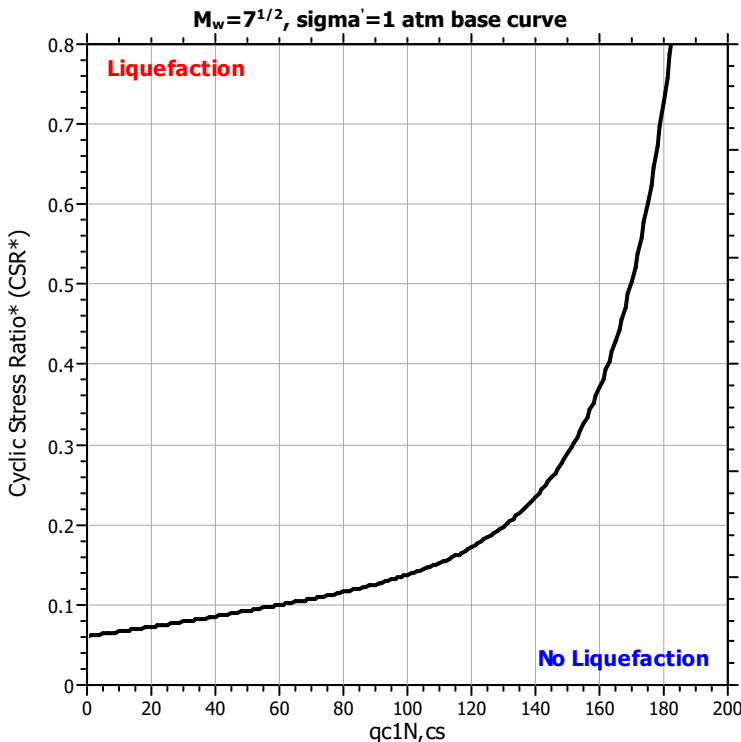
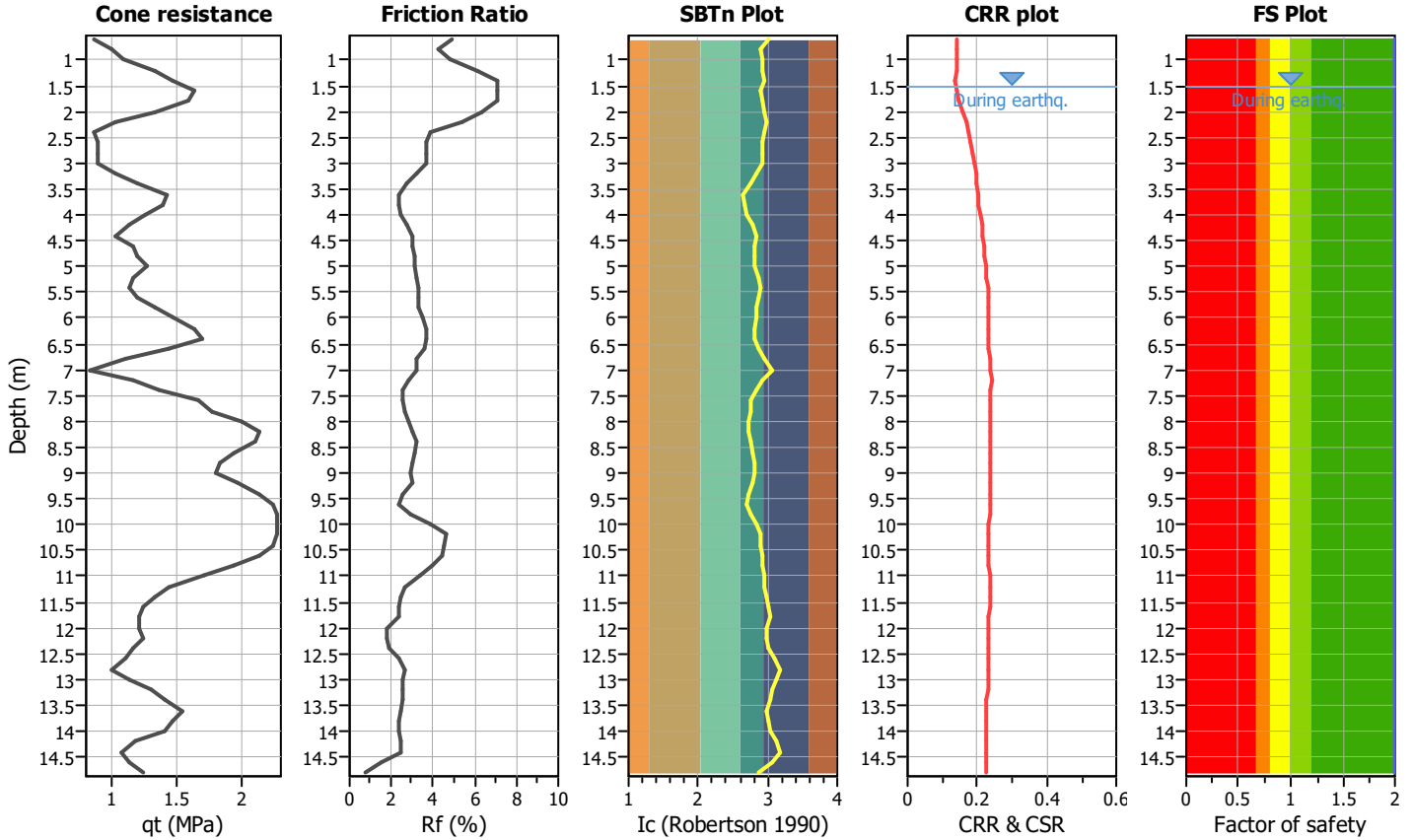
Project title :

Location :

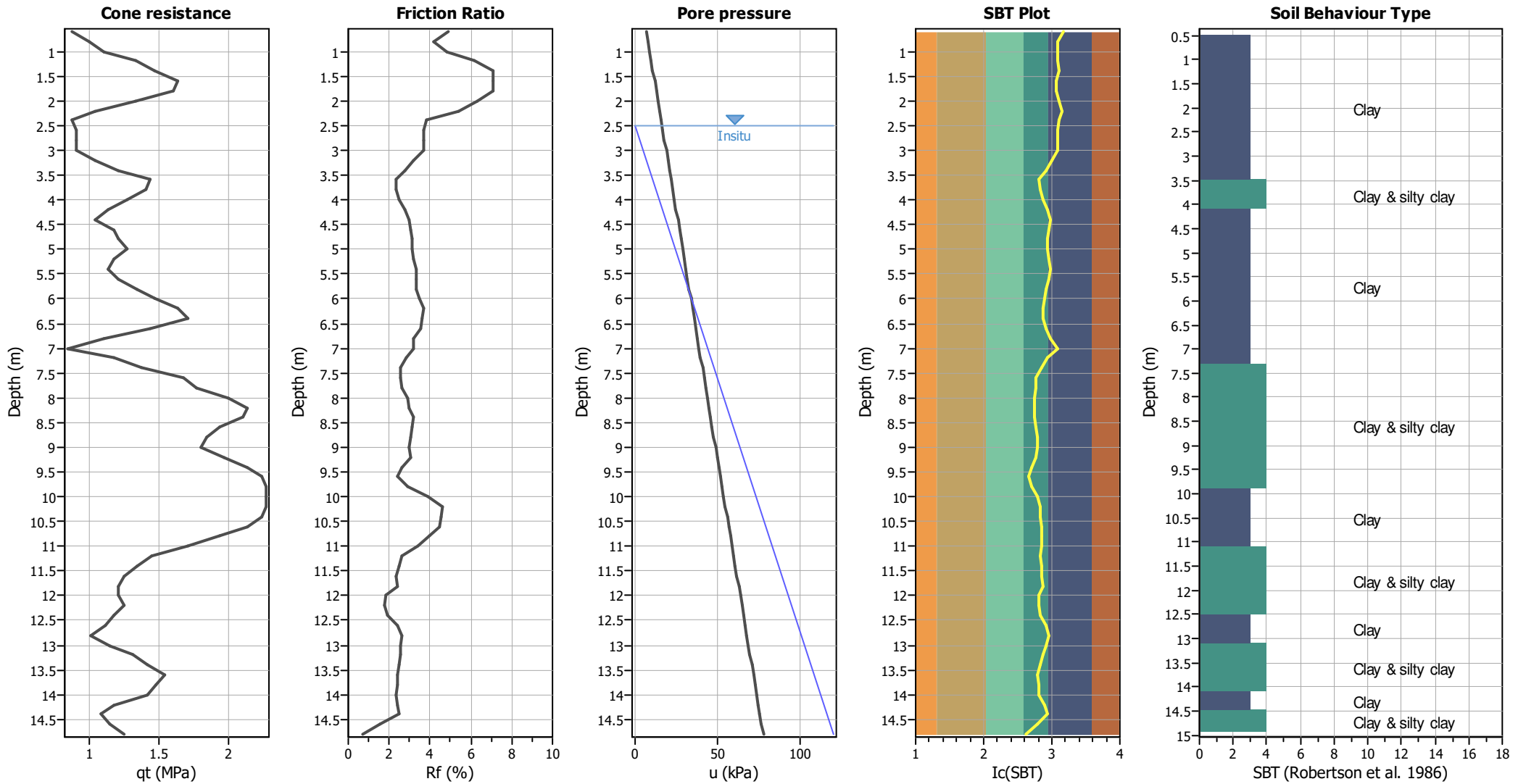
CPT file : P131_CPT122

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



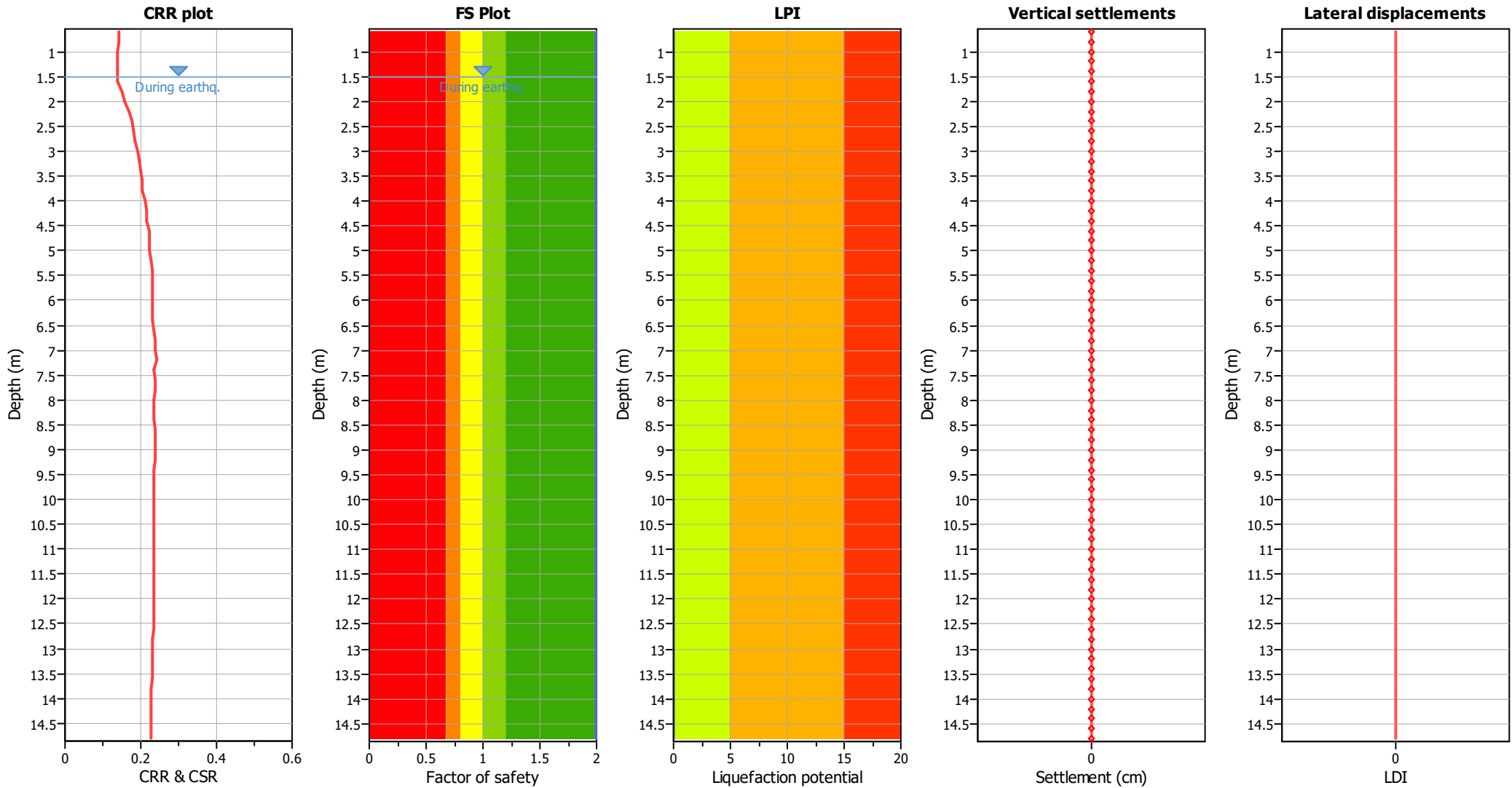
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on I _c value	I _c cut-off value:	2.60	K _σ applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	28.52	2.00	0.00	1.00	0.00	1.80	28.52	2.00	0.00	1.00	0.00
2.00	23.49	2.00	0.00	1.00	0.00	2.20	15.10	2.00	0.00	1.00	0.00
2.40	12.94	2.00	0.00	1.00	0.00	2.60	14.06	2.00	0.00	1.00	0.00
2.80	15.30	2.00	0.00	1.00	0.00	3.00	12.14	2.00	0.00	1.00	0.00
3.20	13.39	2.00	0.00	1.00	0.00	3.40	20.18	2.00	0.00	1.00	0.00
3.60	18.56	2.00	0.00	1.00	0.00	3.80	22.30	2.00	0.00	1.00	0.00
4.00	18.01	2.00	0.00	1.00	0.00	4.20	12.42	2.00	0.00	1.00	0.00
4.40	16.18	2.00	0.00	1.00	0.00	4.60	13.38	2.00	0.00	1.00	0.00
4.80	17.03	2.00	0.00	1.00	0.00	5.00	16.81	2.00	0.00	1.00	0.00
5.20	15.34	2.00	0.00	1.00	0.00	5.40	12.67	2.00	0.00	1.00	0.00
5.60	14.96	2.00	0.00	1.00	0.00	5.80	17.18	2.00	0.00	1.00	0.00
6.00	16.97	2.00	0.00	1.00	0.00	6.20	19.11	2.00	0.00	1.00	0.00
6.40	22.33	2.00	0.00	1.00	0.00	6.60	18.65	2.00	0.00	1.00	0.00
6.80	9.31	2.00	0.00	1.00	0.00	7.00	10.36	2.00	0.00	1.00	0.00
7.20	9.12	2.00	0.00	1.00	0.00	7.40	20.12	2.00	0.00	1.00	0.00
7.60	16.65	2.00	0.00	1.00	0.00	7.80	18.64	2.00	0.00	1.00	0.00
8.00	22.73	2.00	0.00	1.00	0.00	8.20	23.56	2.00	0.00	1.00	0.00
8.40	22.27	2.00	0.00	1.00	0.00	8.60	21.01	2.00	0.00	1.00	0.00
8.80	17.71	2.00	0.00	1.00	0.00	9.00	18.57	2.00	0.00	1.00	0.00
9.20	19.41	2.00	0.00	1.00	0.00	9.40	22.26	2.00	0.00	1.00	0.00
9.60	23.06	2.00	0.00	1.00	0.00	9.80	21.86	2.00	0.00	1.00	0.00
10.00	22.64	2.00	0.00	1.00	0.00	10.20	22.43	2.00	0.00	1.00	0.00
10.40	21.26	2.00	0.00	1.00	0.00	10.60	21.07	2.00	0.00	1.00	0.00
10.80	18.98	2.00	0.00	1.00	0.00	11.00	15.05	2.00	0.00	1.00	0.00
11.20	13.99	2.00	0.00	1.00	0.00	11.40	11.10	2.00	0.00	1.00	0.00
11.60	11.94	2.00	0.00	1.00	0.00	11.80	10.94	2.00	0.00	1.00	0.00
12.00	9.95	2.00	0.00	1.00	0.00	12.20	11.70	2.00	0.00	1.00	0.00
12.40	11.62	2.00	0.00	1.00	0.00	12.60	7.97	2.00	0.00	1.00	0.00
12.80	9.69	2.00	0.00	1.00	0.00	13.00	8.74	2.00	0.00	1.00	0.00
13.20	11.31	2.00	0.00	1.00	0.00	13.40	13.86	2.00	0.00	1.00	0.00
13.60	11.16	2.00	0.00	1.00	0.00	13.80	14.54	2.00	0.00	1.00	0.00
14.00	11.87	2.00	0.00	1.00	0.00	14.20	9.24	2.00	0.00	1.00	0.00
14.40	8.34	2.00	0.00	1.00	0.00	14.60	9.14	2.00	0.00	1.00	0.00
14.80	10.76	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

Abbreviations

$Q_{m,cs}$: 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

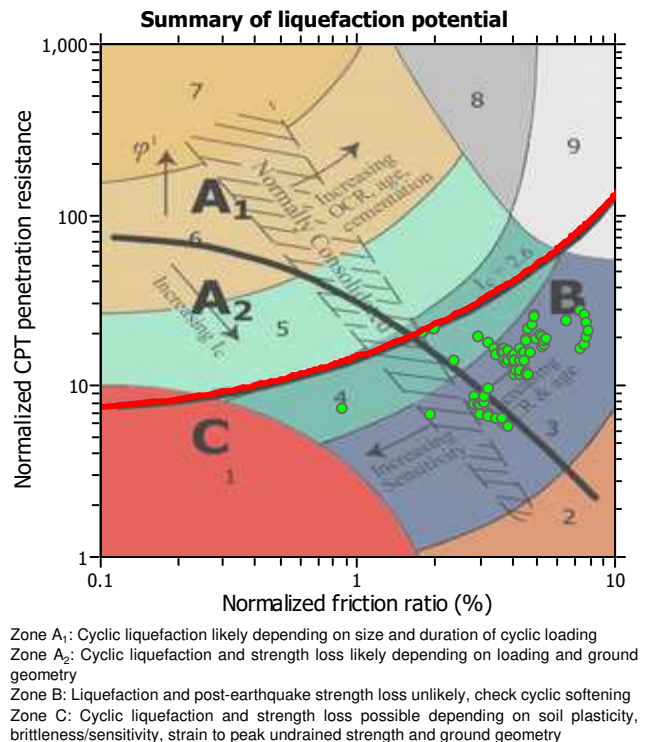
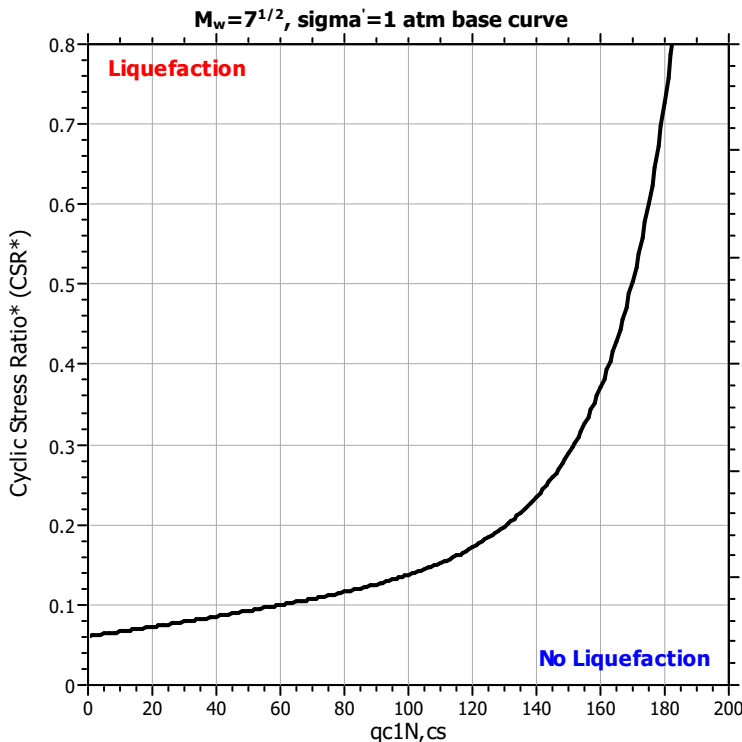
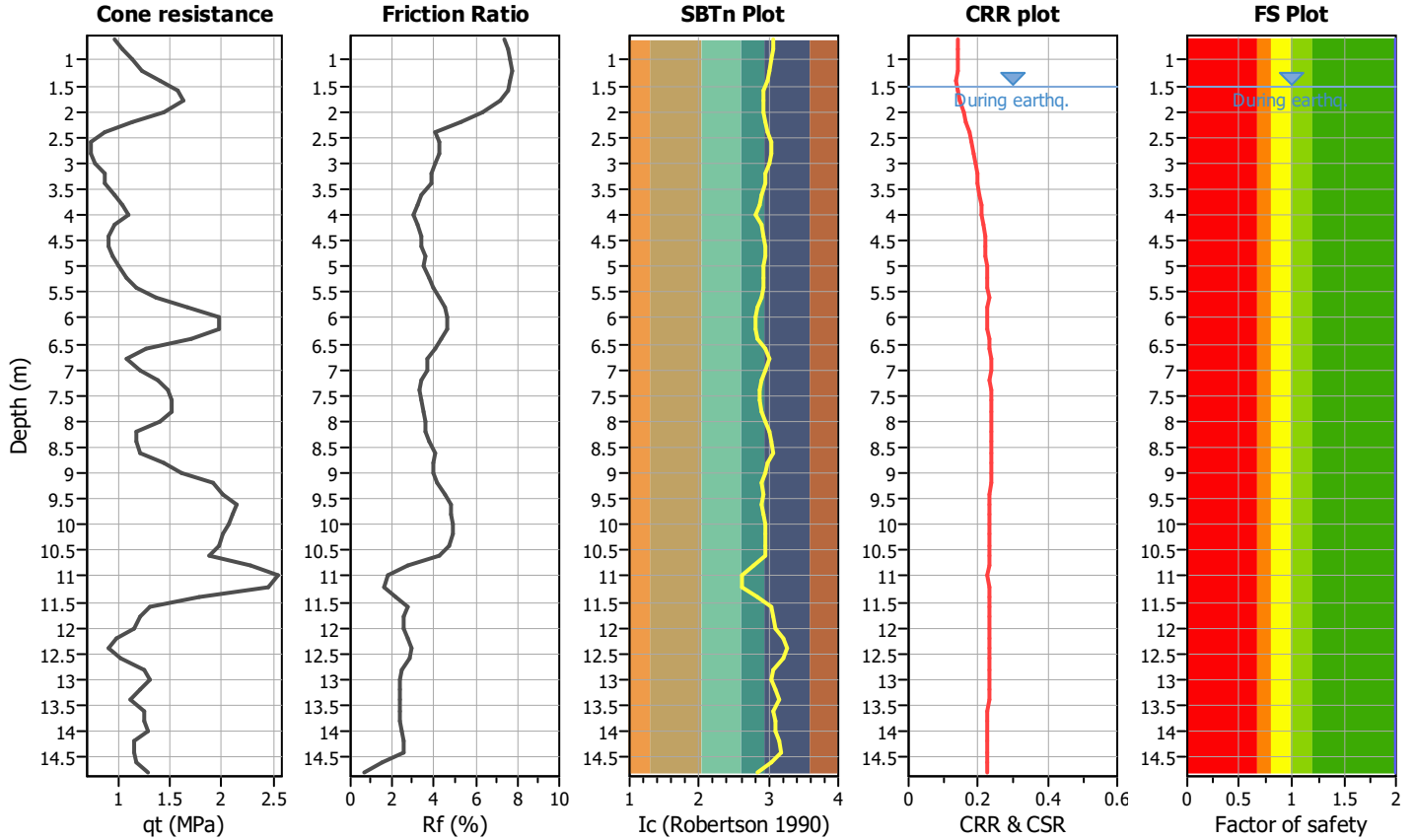
Project title :

Location :

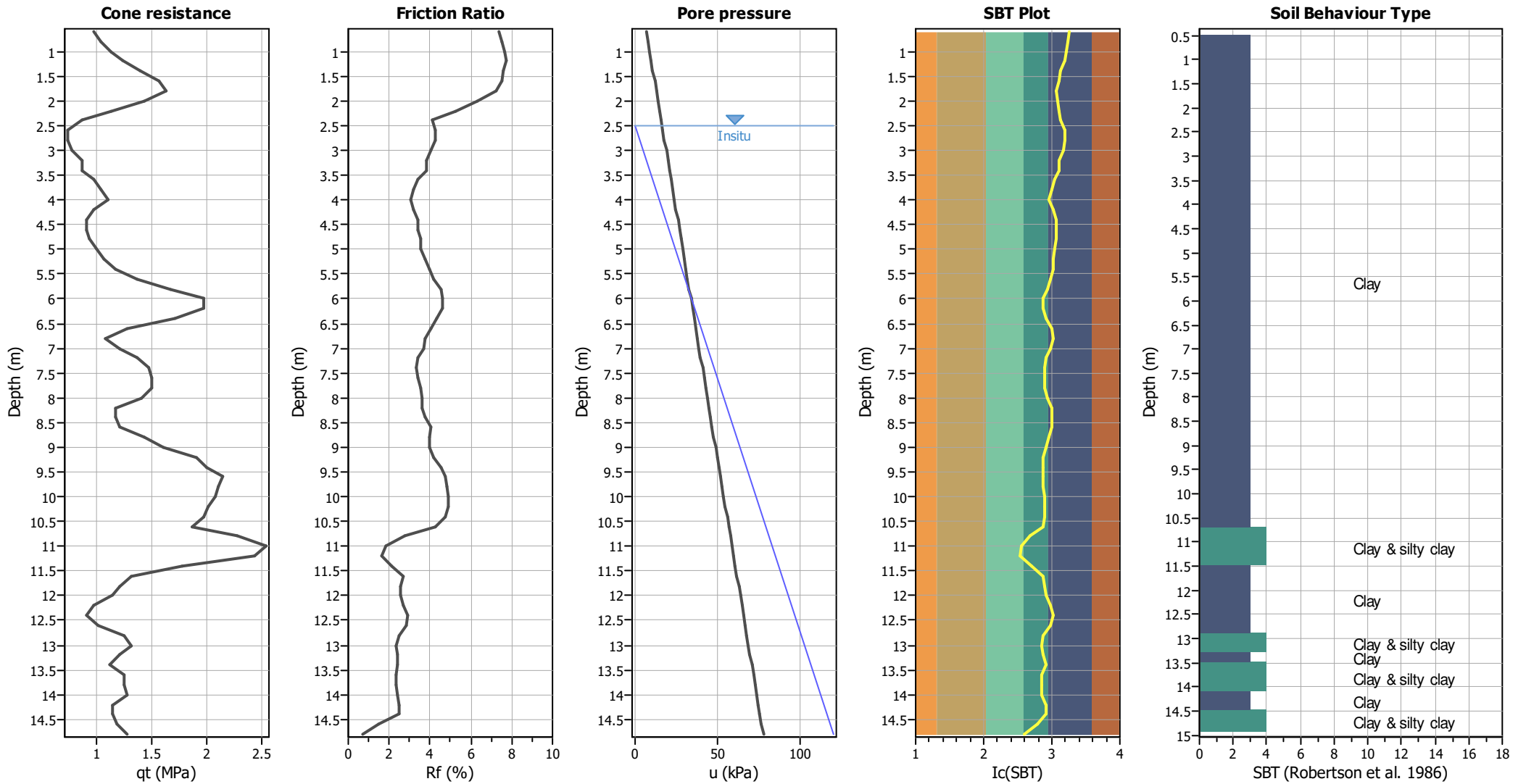
CPT file : P132_CPT123

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



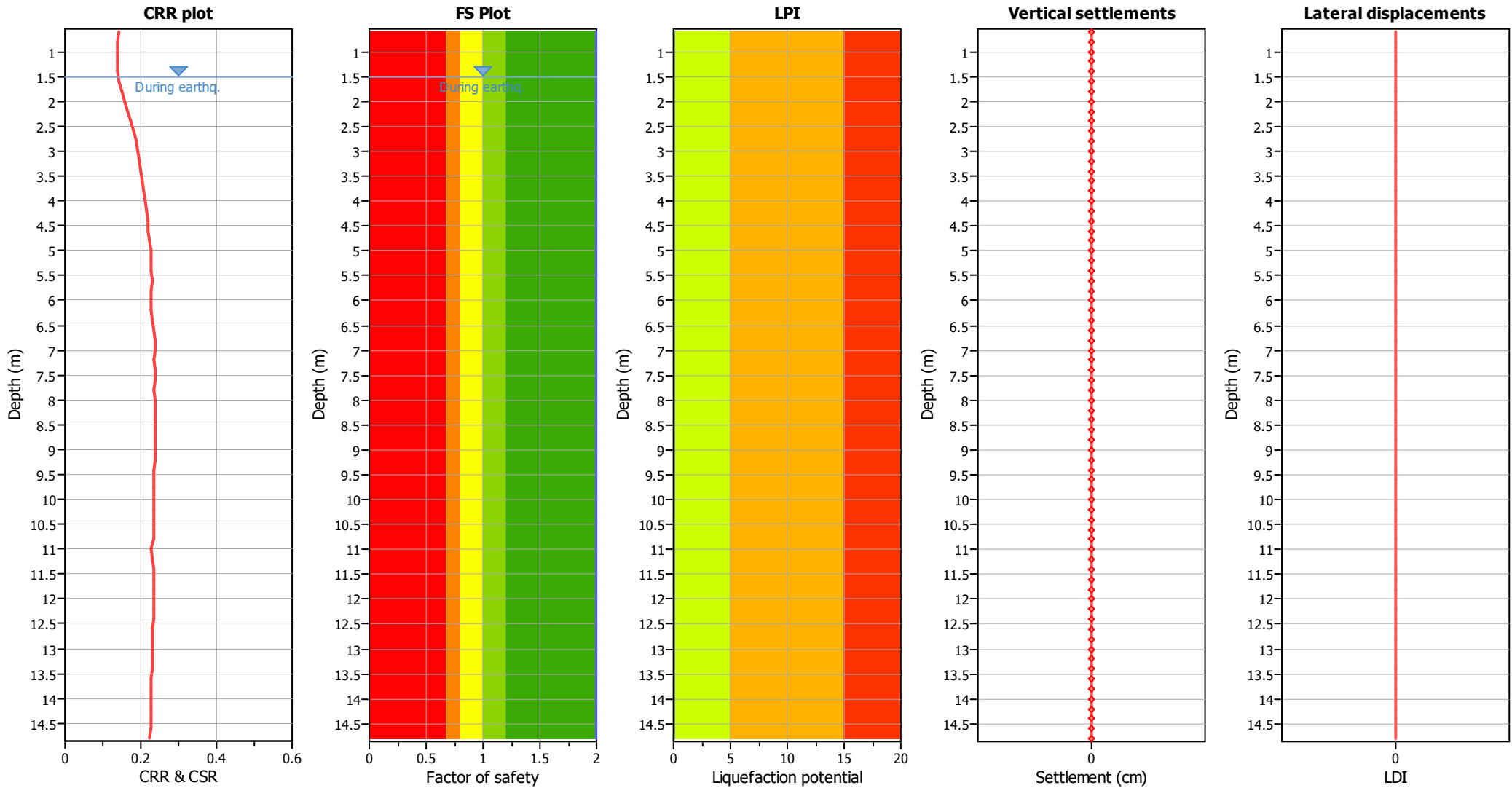
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	26.84	2.00	0.00	1.00	0.00	1.80	28.52	2.00	0.00	1.00	0.00
2.00	26.84	2.00	0.00	1.00	0.00	2.20	16.58	2.00	0.00	1.00	0.00
2.40	12.82	2.00	0.00	1.00	0.00	2.60	12.44	2.00	0.00	1.00	0.00
2.80	9.26	2.00	0.00	1.00	0.00	3.00	12.04	2.00	0.00	1.00	0.00
3.20	13.28	2.00	0.00	1.00	0.00	3.40	13.07	2.00	0.00	1.00	0.00
3.60	11.49	2.00	0.00	1.00	0.00	3.80	16.78	2.00	0.00	1.00	0.00
4.00	15.21	2.00	0.00	1.00	0.00	4.20	13.67	2.00	0.00	1.00	0.00
4.40	10.84	2.00	0.00	1.00	0.00	4.60	12.00	2.00	0.00	1.00	0.00
4.80	13.12	2.00	0.00	1.00	0.00	5.00	11.69	2.00	0.00	1.00	0.00
5.20	14.04	2.00	0.00	1.00	0.00	5.40	15.08	2.00	0.00	1.00	0.00
5.60	14.89	2.00	0.00	1.00	0.00	5.80	20.65	2.00	0.00	1.00	0.00
6.00	25.05	2.00	0.00	1.00	0.00	6.20	24.74	2.00	0.00	1.00	0.00
6.40	19.88	2.00	0.00	1.00	0.00	6.60	15.10	2.00	0.00	1.00	0.00
6.80	9.24	2.00	0.00	1.00	0.00	7.00	12.53	2.00	0.00	1.00	0.00
7.20	19.05	2.00	0.00	1.00	0.00	7.40	14.46	2.00	0.00	1.00	0.00
7.60	15.40	2.00	0.00	1.00	0.00	7.80	19.54	2.00	0.00	1.00	0.00
8.00	14.01	2.00	0.00	1.00	0.00	8.20	11.75	2.00	0.00	1.00	0.00
8.40	11.64	2.00	0.00	1.00	0.00	8.60	13.61	2.00	0.00	1.00	0.00
8.80	12.44	2.00	0.00	1.00	0.00	9.00	18.45	2.00	0.00	1.00	0.00
9.20	18.28	2.00	0.00	1.00	0.00	9.40	21.11	2.00	0.00	1.00	0.00
9.60	20.90	2.00	0.00	1.00	0.00	9.80	21.69	2.00	0.00	1.00	0.00
10.00	19.54	2.00	0.00	1.00	0.00	10.20	19.36	2.00	0.00	1.00	0.00
10.40	19.18	2.00	0.00	1.00	0.00	10.60	18.06	2.00	0.00	1.00	0.00
10.80	16.01	2.00	0.00	1.00	0.00	11.00	30.02	2.00	0.00	1.00	0.00
11.20	25.11	2.00	0.00	1.00	0.00	11.40	12.87	2.00	0.00	1.00	0.00
11.60	10.94	2.00	0.00	1.00	0.00	11.80	11.77	2.00	0.00	1.00	0.00
12.00	9.88	2.00	0.00	1.00	0.00	12.20	8.92	2.00	0.00	1.00	0.00
12.40	7.08	2.00	0.00	1.00	0.00	12.60	7.91	2.00	0.00	1.00	0.00
12.80	11.38	2.00	0.00	1.00	0.00	13.00	13.06	2.00	0.00	1.00	0.00
13.20	9.49	2.00	0.00	1.00	0.00	13.40	8.56	2.00	0.00	1.00	0.00
13.60	10.23	2.00	0.00	1.00	0.00	13.80	12.74	2.00	0.00	1.00	0.00
14.00	8.40	2.00	0.00	1.00	0.00	14.20	10.88	2.00	0.00	1.00	0.00
14.40	9.13	2.00	0.00	1.00	0.00	14.60	8.25	2.00	0.00	1.00	0.00
14.80	11.53	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

Abbreviations

$Q_{m,cs}$: 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

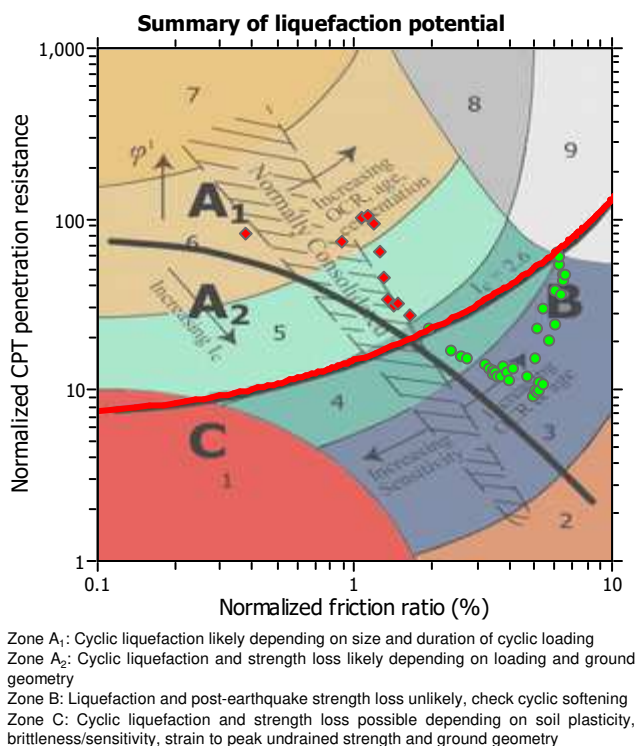
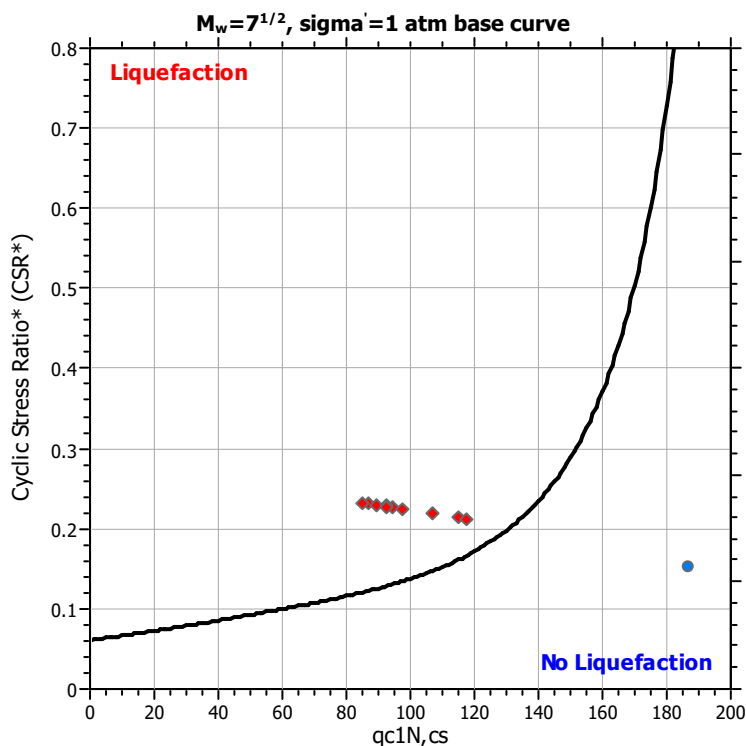
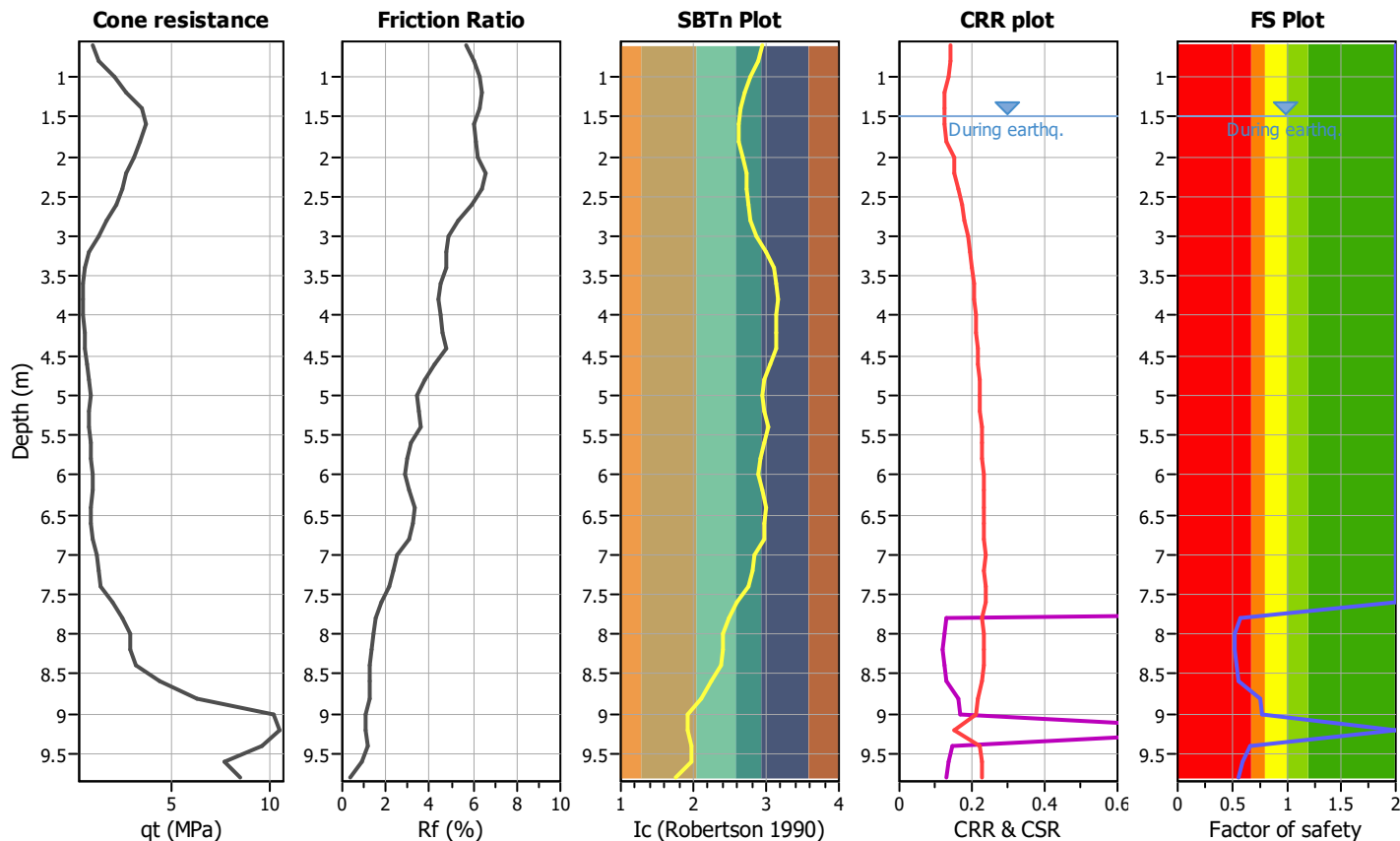
Project title :

Location :

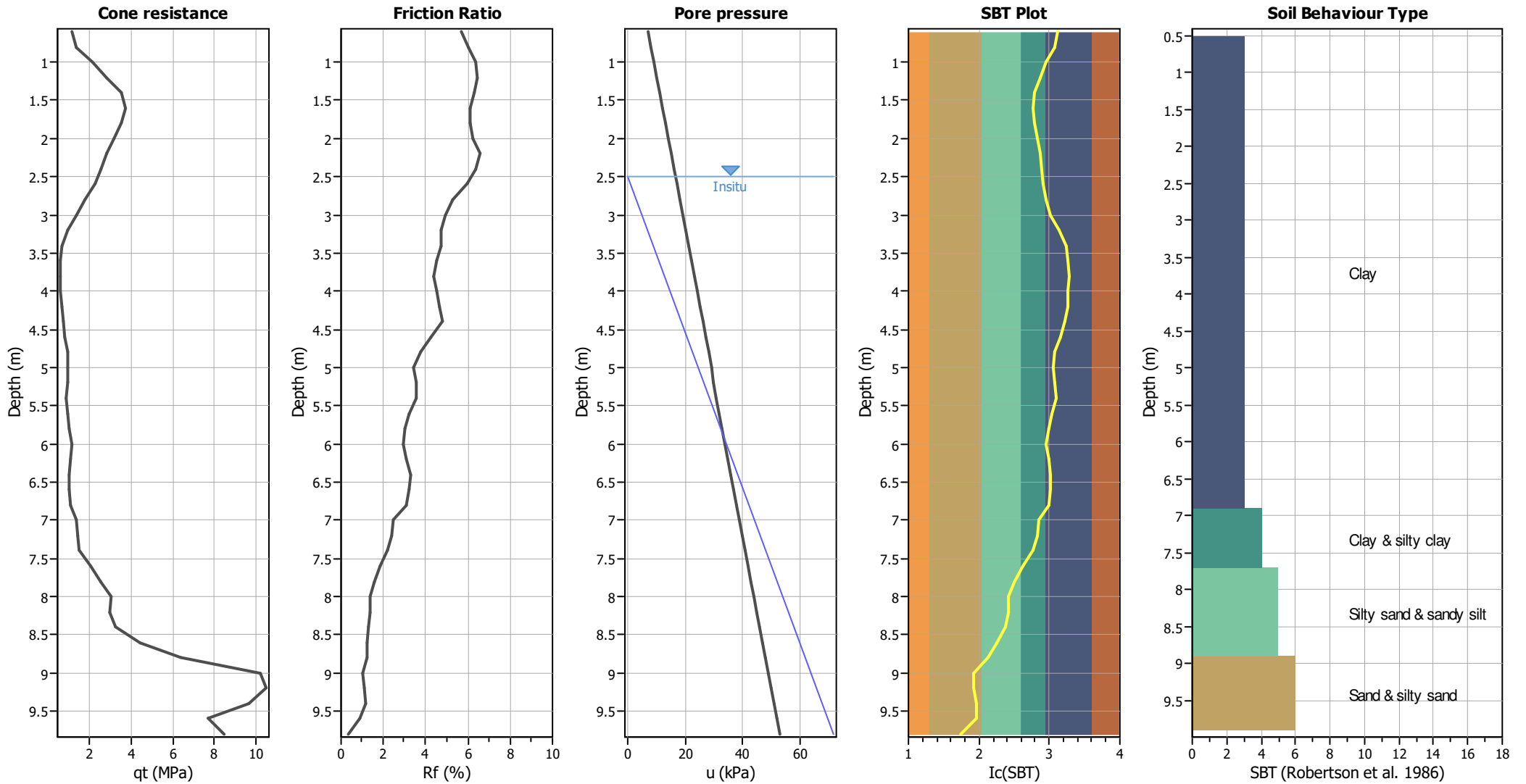
CPT file : P134_CPT125

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



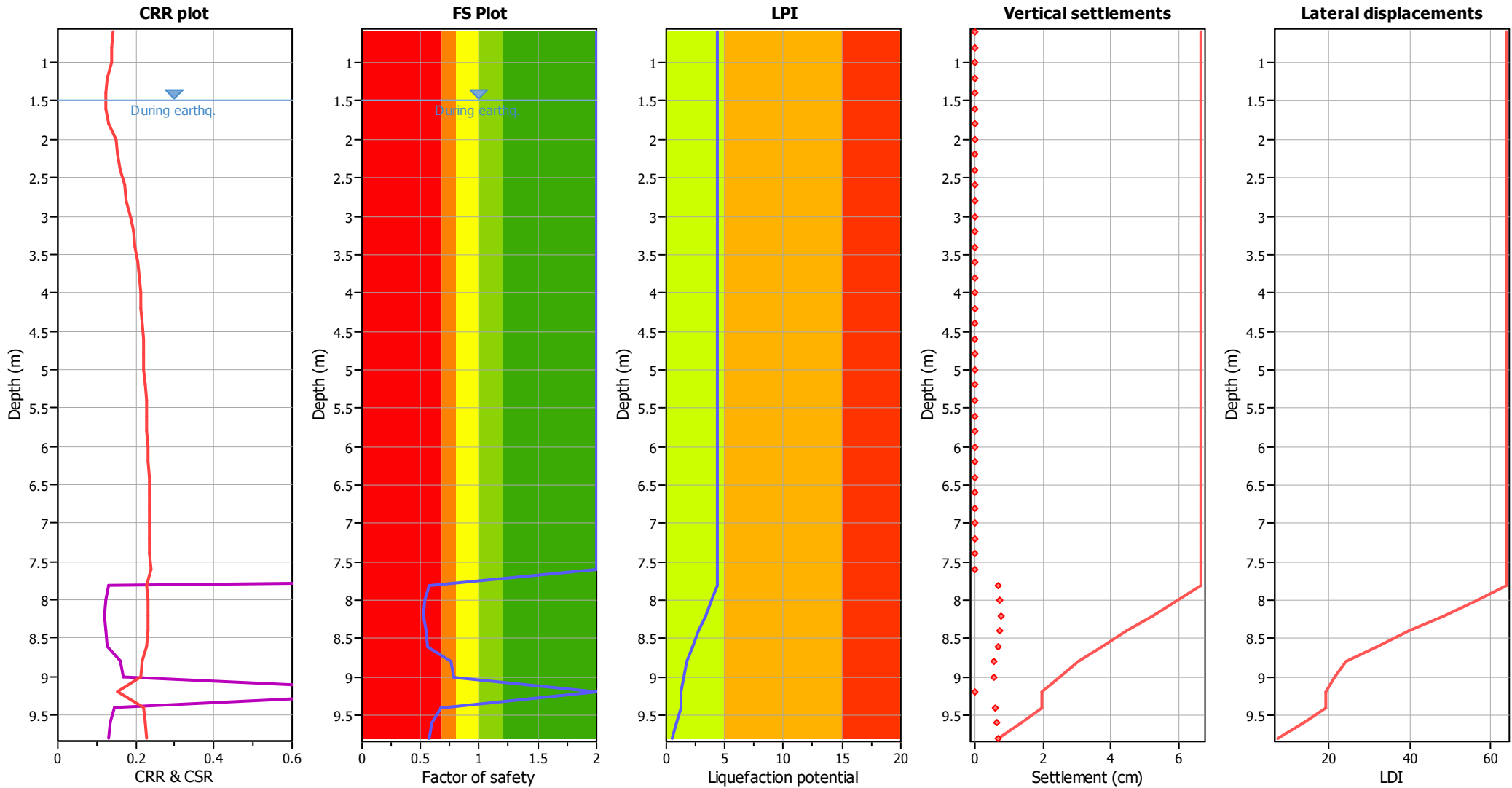
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_f applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	0.58	0.42	6.10	0.20	0.52	8.00	0.53	0.47	6.00	0.20	0.56
8.20	0.52	0.48	5.90	0.20	0.57	8.40	0.54	0.46	5.80	0.20	0.53
8.60	0.56	0.44	5.70	0.20	0.50	8.80	0.75	0.25	5.60	0.20	0.28
9.00	0.78	0.22	5.50	0.20	0.24	9.20	2.00	0.00	5.40	0.20	0.00
9.40	0.67	0.33	5.30	0.20	0.35	9.60	0.60	0.40	5.20	0.20	0.42
9.80	0.57	0.43	5.10	0.20	0.44						

Overall liquefaction potential: 4.41

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

:: 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)
1.60	66.42	2.00	0.00	1.00	0.00	1.80	60.76	2.00	0.00	1.00	0.00
2.00	42.94	2.00	0.00	1.00	0.00	2.20	45.21	2.00	0.00	1.00	0.00
2.40	39.48	2.00	0.00	1.00	0.00	2.60	29.04	2.00	0.00	1.00	0.00
2.80	29.87	2.00	0.00	1.00	0.00	3.00	18.63	2.00	0.00	1.00	0.00
3.20	11.46	2.00	0.00	1.00	0.00	3.40	9.91	2.00	0.00	1.00	0.00
3.60	8.40	2.00	0.00	1.00	0.00	3.80	8.29	2.00	0.00	1.00	0.00
4.00	8.18	2.00	0.00	1.00	0.00	4.20	9.38	2.00	0.00	1.00	0.00
4.40	9.26	2.00	0.00	1.00	0.00	4.60	10.41	2.00	0.00	1.00	0.00
4.80	12.79	2.00	0.00	1.00	0.00	5.00	12.64	2.00	0.00	1.00	0.00
5.20	11.26	2.00	0.00	1.00	0.00	5.40	11.12	2.00	0.00	1.00	0.00
5.60	9.79	2.00	0.00	1.00	0.00	5.80	14.43	2.00	0.00	1.00	0.00
6.00	13.10	2.00	0.00	1.00	0.00	6.20	12.95	2.00	0.00	1.00	0.00
6.40	11.66	2.00	0.00	1.00	0.00	6.60	10.39	2.00	0.00	1.00	0.00
6.80	13.67	2.00	0.00	1.00	0.00	7.00	12.42	2.00	0.00	1.00	0.00
7.20	18.90	2.00	0.00	1.00	0.00	7.40	15.45	2.00	0.00	1.00	0.00
7.60	16.39	2.00	0.00	1.00	0.00	7.80	94.47	0.58	3.40	1.00	0.68
8.00	86.98	0.53	3.70	1.00	0.74	8.20	85.27	0.52	3.77	1.00	0.75
8.40	89.11	0.54	3.61	1.00	0.72	8.60	92.40	0.56	3.48	1.00	0.70
8.80	115.25	0.75	2.77	1.00	0.55	9.00	117.75	0.78	2.71	1.00	0.54
9.20	187.06	2.00	0.00	1.00	0.00	9.40	106.80	0.67	3.00	1.00	0.60
9.60	97.61	0.60	3.29	1.00	0.66	9.80	92.76	0.57	3.47	1.00	0.69

Total estimated settlement: 6.64

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

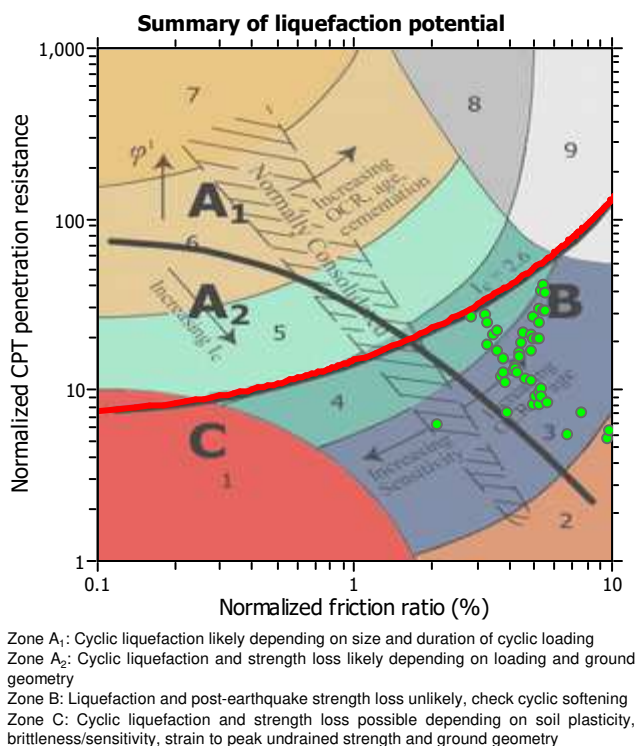
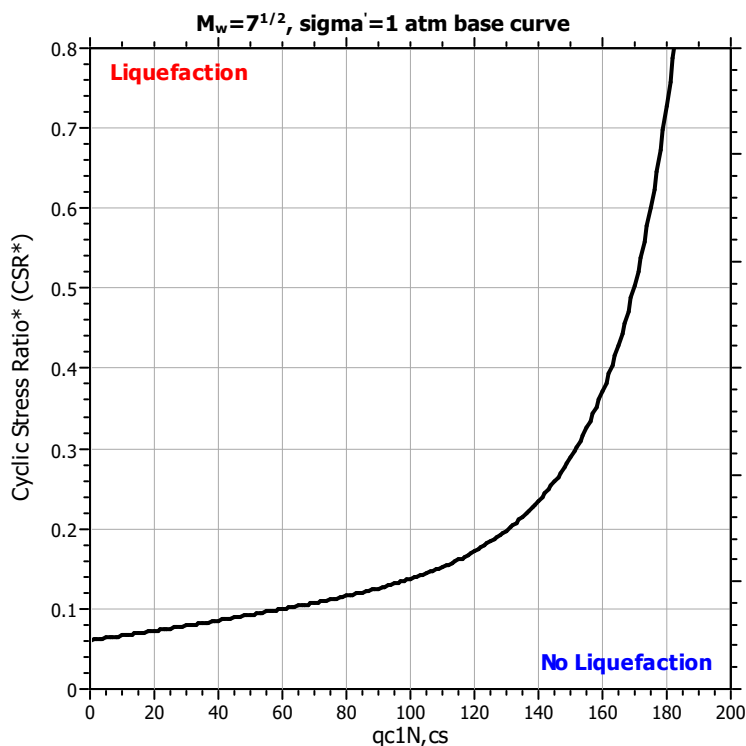
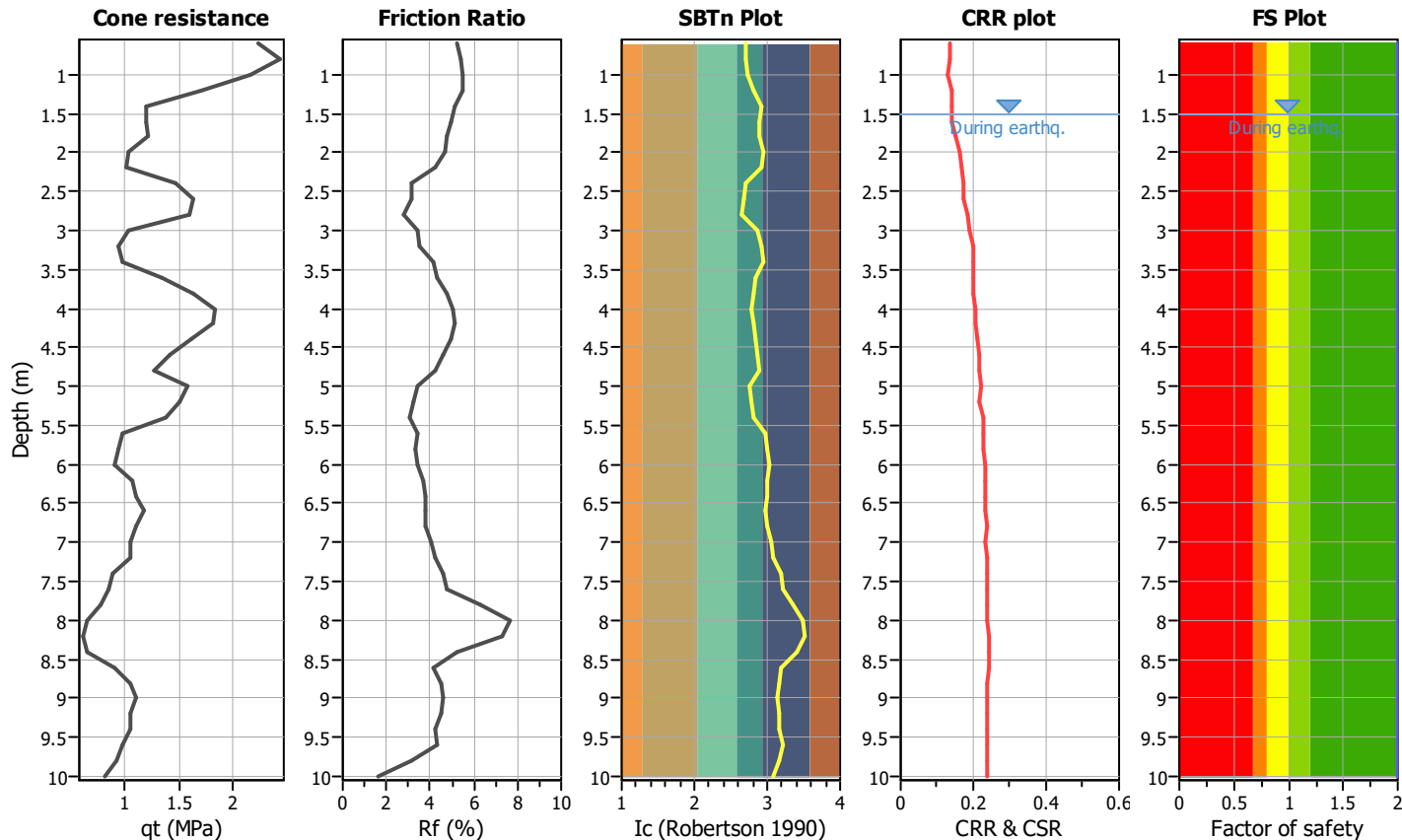
Project title :

Location :

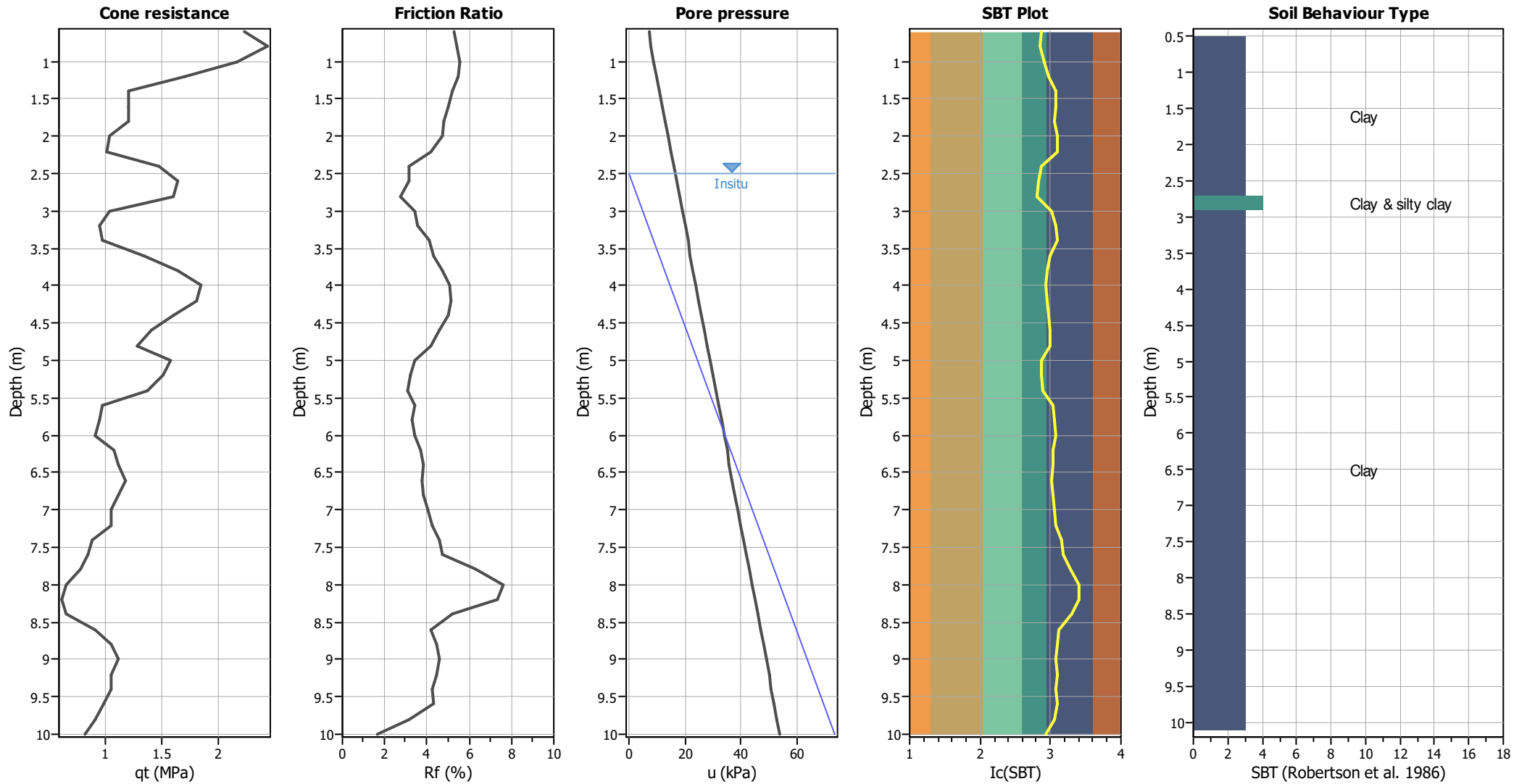
CPT file : P110_CPT101

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



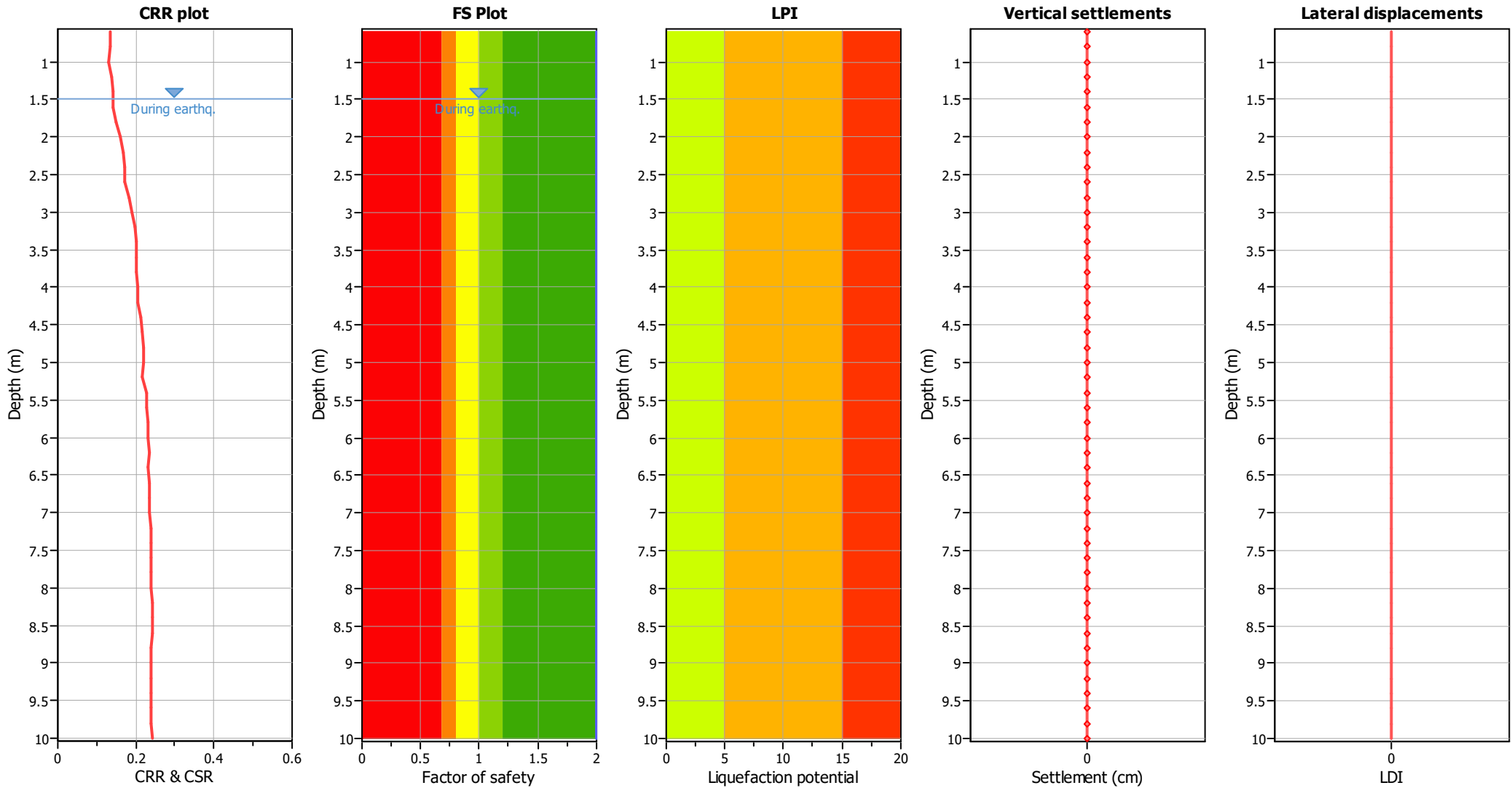
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	21.81	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	15.10	2.00	0.00	1.00	0.00	2.20	13.39	2.00	0.00	1.00	0.00
2.40	20.39	2.00	0.00	1.00	0.00	2.60	33.86	2.00	0.00	1.00	0.00
2.80	19.49	2.00	0.00	1.00	0.00	3.00	17.69	2.00	0.00	1.00	0.00
3.20	8.90	2.00	0.00	1.00	0.00	3.40	14.38	2.00	0.00	1.00	0.00
3.60	18.24	2.00	0.00	1.00	0.00	3.80	23.23	2.00	0.00	1.00	0.00
4.00	25.43	2.00	0.00	1.00	0.00	4.20	25.04	2.00	0.00	1.00	0.00
4.40	20.91	2.00	0.00	1.00	0.00	4.60	16.86	2.00	0.00	1.00	0.00
4.80	16.63	2.00	0.00	1.00	0.00	5.00	15.20	2.00	0.00	1.00	0.00
5.20	27.03	2.00	0.00	1.00	0.00	5.40	13.60	2.00	0.00	1.00	0.00
5.60	9.81	2.00	0.00	1.00	0.00	5.80	12.08	2.00	0.00	1.00	0.00
6.00	11.95	2.00	0.00	1.00	0.00	6.20	8.30	2.00	0.00	1.00	0.00
6.40	17.41	2.00	0.00	1.00	0.00	6.60	12.69	2.00	0.00	1.00	0.00
6.80	10.29	2.00	0.00	1.00	0.00	7.00	14.65	2.00	0.00	1.00	0.00
7.20	10.07	2.00	0.00	1.00	0.00	7.40	9.97	2.00	0.00	1.00	0.00
7.60	8.78	2.00	0.00	1.00	0.00	7.80	8.69	2.00	0.00	1.00	0.00
8.00	7.53	2.00	0.00	1.00	0.00	8.20	4.27	2.00	0.00	1.00	0.00
8.40	7.39	2.00	0.00	1.00	0.00	8.60	8.36	2.00	0.00	1.00	0.00
8.80	12.40	2.00	0.00	1.00	0.00	9.00	11.27	2.00	0.00	1.00	0.00
9.20	10.15	2.00	0.00	1.00	0.00	9.40	10.06	2.00	0.00	1.00	0.00
9.60	10.97	2.00	0.00	1.00	0.00	9.80	7.91	2.00	0.00	1.00	0.00
10.00	7.86	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

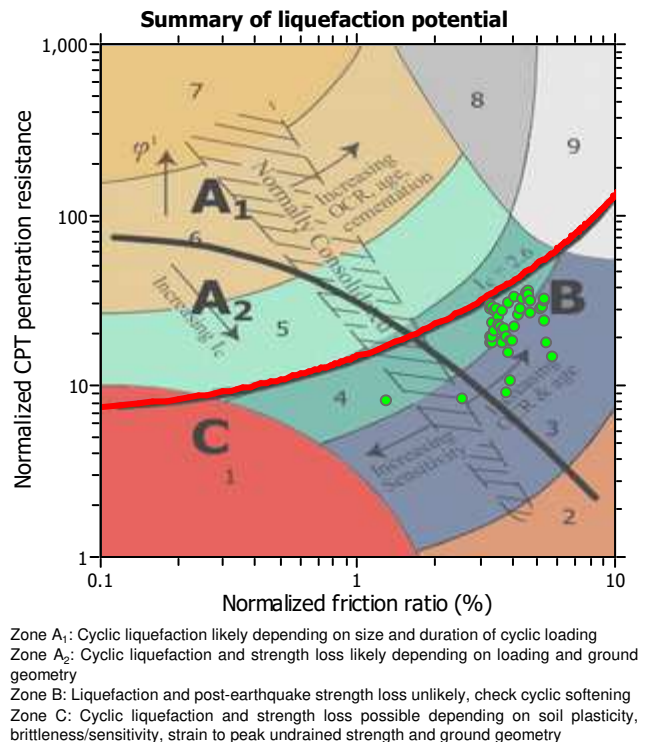
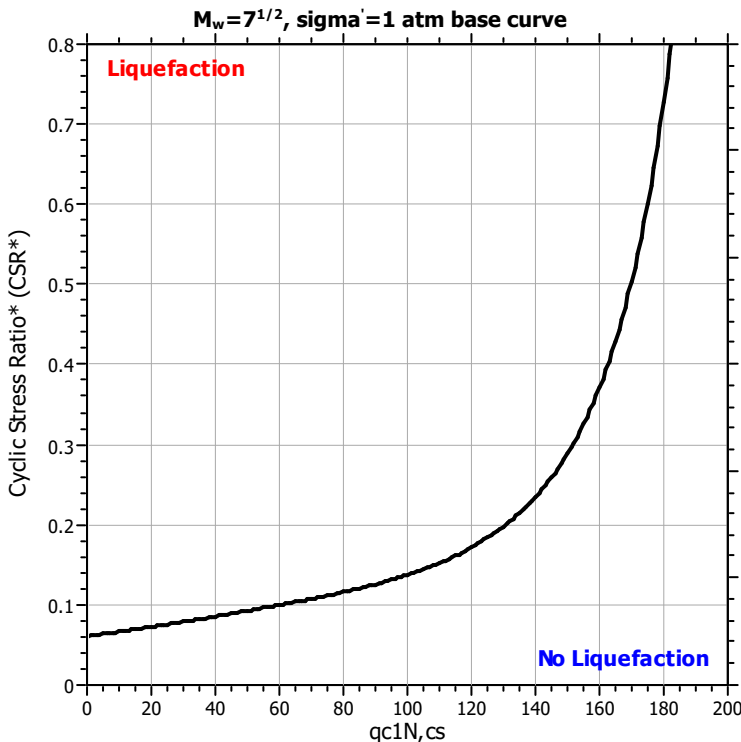
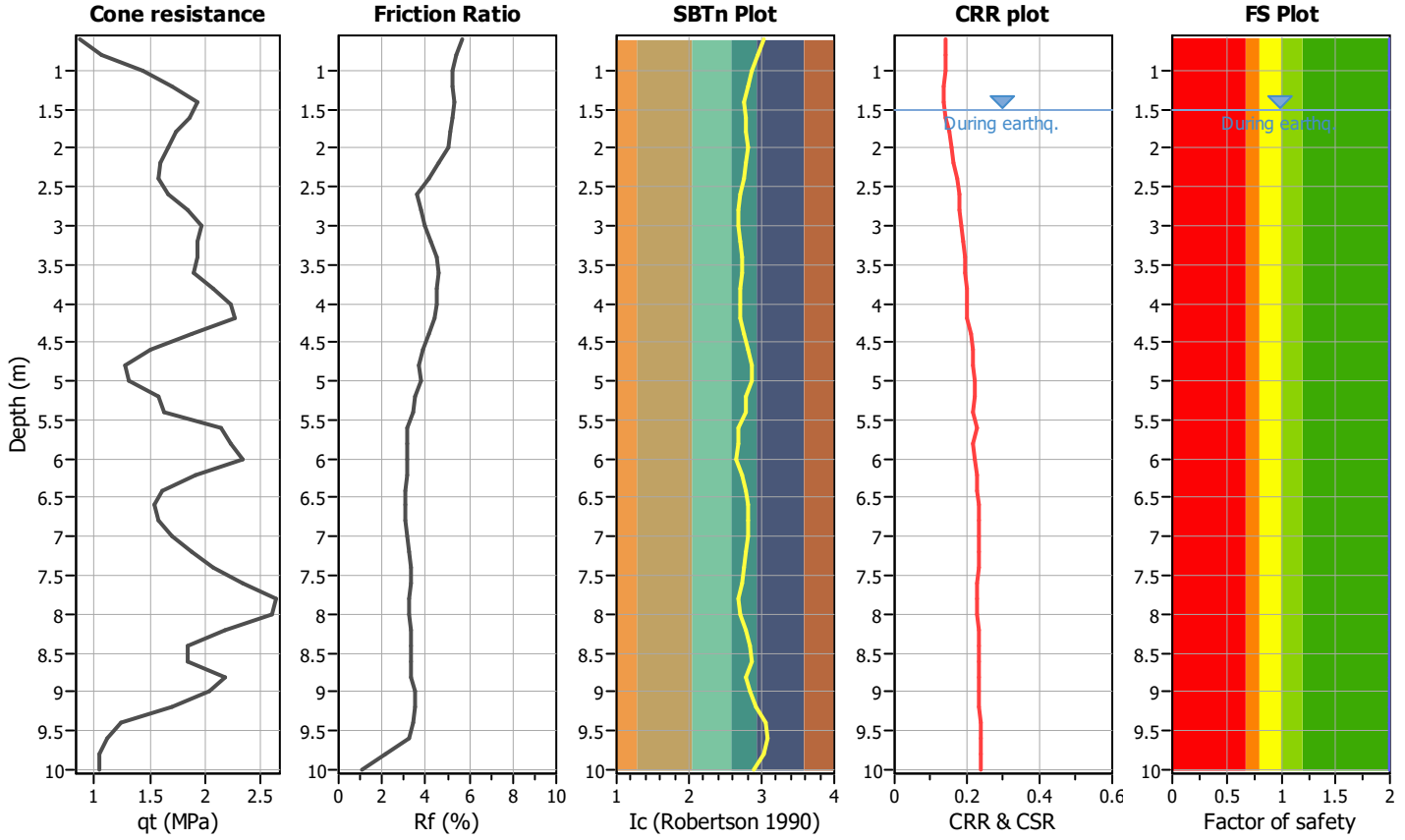
Project title :

Location :

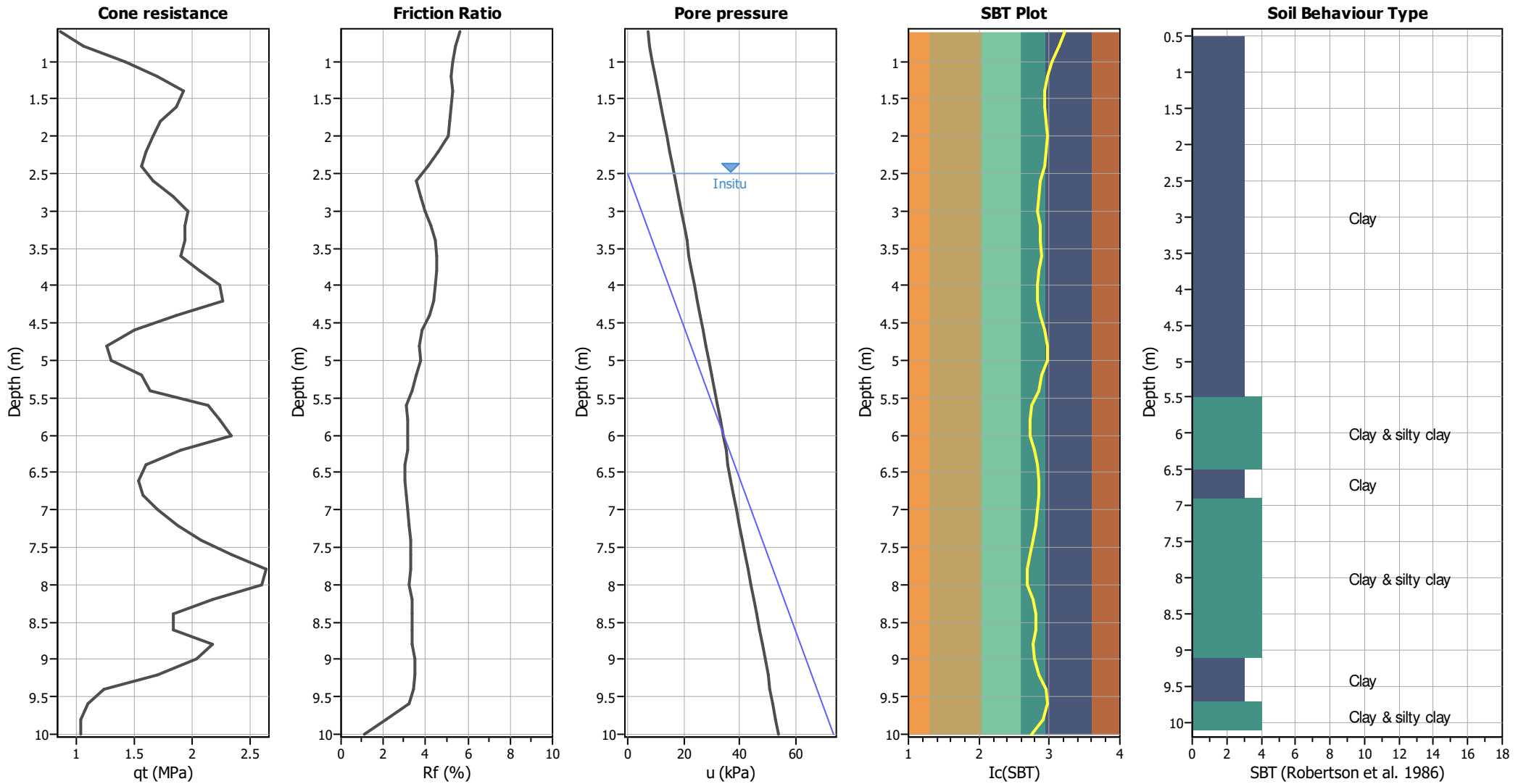
CPT file : P136_CPT127

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



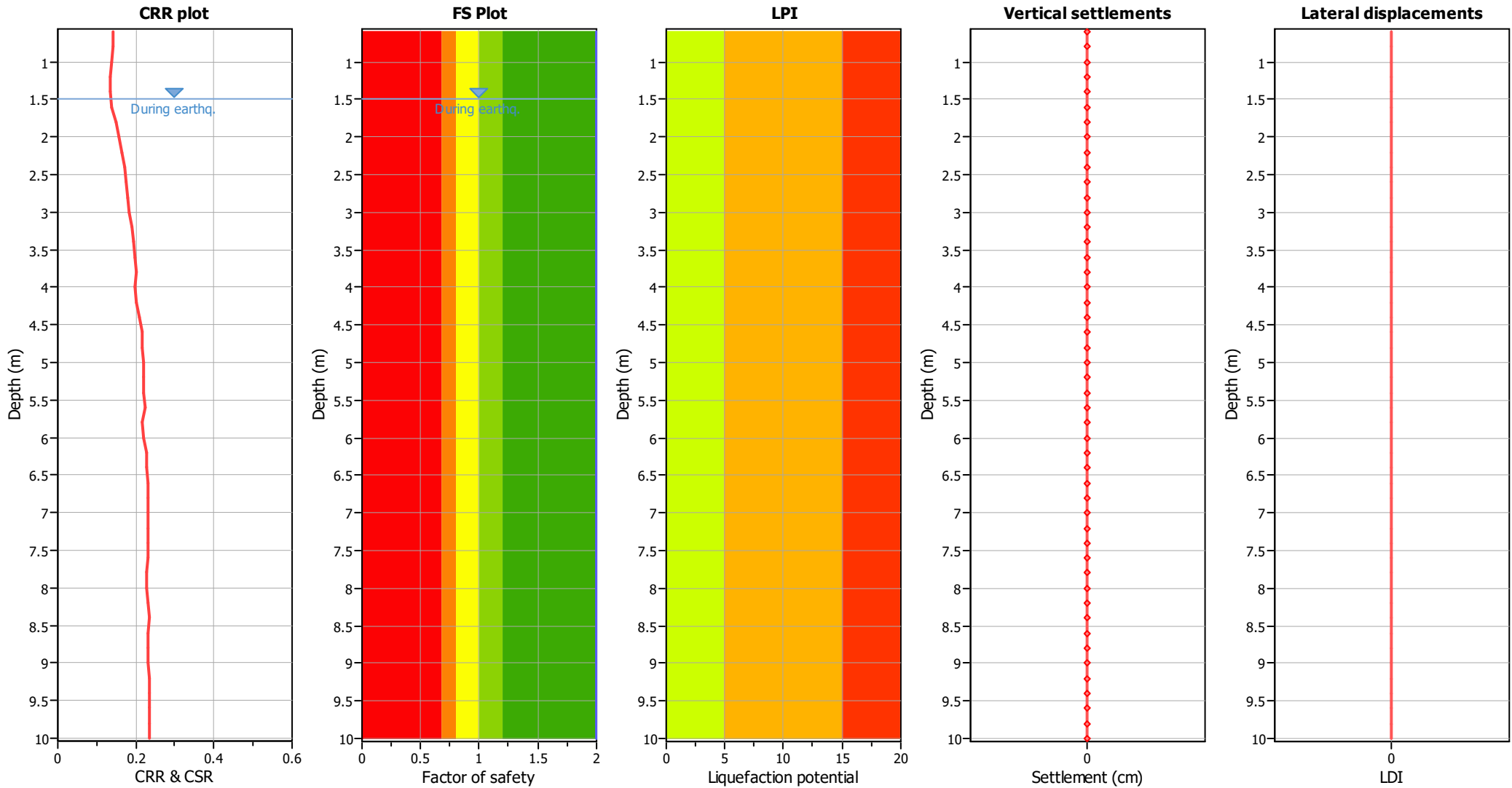
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	33.56	2.00	0.00	1.00	0.00	1.80	26.84	2.00	0.00	1.00	0.00
2.00	26.84	2.00	0.00	1.00	0.00	2.20	28.94	2.00	0.00	1.00	0.00
2.40	21.95	2.00	0.00	1.00	0.00	2.60	22.76	2.00	0.00	1.00	0.00
2.80	30.68	2.00	0.00	1.00	0.00	3.00	27.46	2.00	0.00	1.00	0.00
3.20	26.99	2.00	0.00	1.00	0.00	3.40	27.86	2.00	0.00	1.00	0.00
3.60	26.11	2.00	0.00	1.00	0.00	3.80	24.41	2.00	0.00	1.00	0.00
4.00	32.87	2.00	0.00	1.00	0.00	4.20	31.16	2.00	0.00	1.00	0.00
4.40	24.55	2.00	0.00	1.00	0.00	4.60	16.77	2.00	0.00	1.00	0.00
4.80	16.54	2.00	0.00	1.00	0.00	5.00	15.10	2.00	0.00	1.00	0.00
5.20	17.33	2.00	0.00	1.00	0.00	5.40	25.40	2.00	0.00	1.00	0.00
5.60	16.92	2.00	0.00	1.00	0.00	5.80	33.94	2.00	0.00	1.00	0.00
6.00	27.93	2.00	0.00	1.00	0.00	6.20	19.70	2.00	0.00	1.00	0.00
6.40	18.35	2.00	0.00	1.00	0.00	6.60	17.03	2.00	0.00	1.00	0.00
6.80	16.84	2.00	0.00	1.00	0.00	7.00	18.86	2.00	0.00	1.00	0.00
7.20	20.82	2.00	0.00	1.00	0.00	7.40	21.67	2.00	0.00	1.00	0.00
7.60	24.62	2.00	0.00	1.00	0.00	7.80	28.56	2.00	0.00	1.00	0.00
8.00	30.35	2.00	0.00	1.00	0.00	8.20	22.85	2.00	0.00	1.00	0.00
8.40	14.43	2.00	0.00	1.00	0.00	8.60	19.38	2.00	0.00	1.00	0.00
8.80	22.21	2.00	0.00	1.00	0.00	9.00	24.01	2.00	0.00	1.00	0.00
9.20	14.88	2.00	0.00	1.00	0.00	9.40	11.80	2.00	0.00	1.00	0.00
9.60	9.75	2.00	0.00	1.00	0.00	9.80	10.65	2.00	0.00	1.00	0.00
10.00	9.61	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

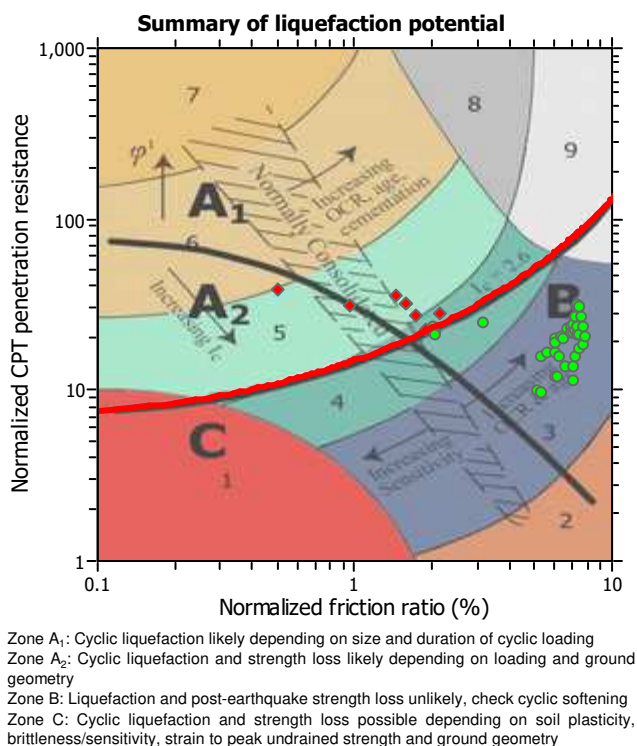
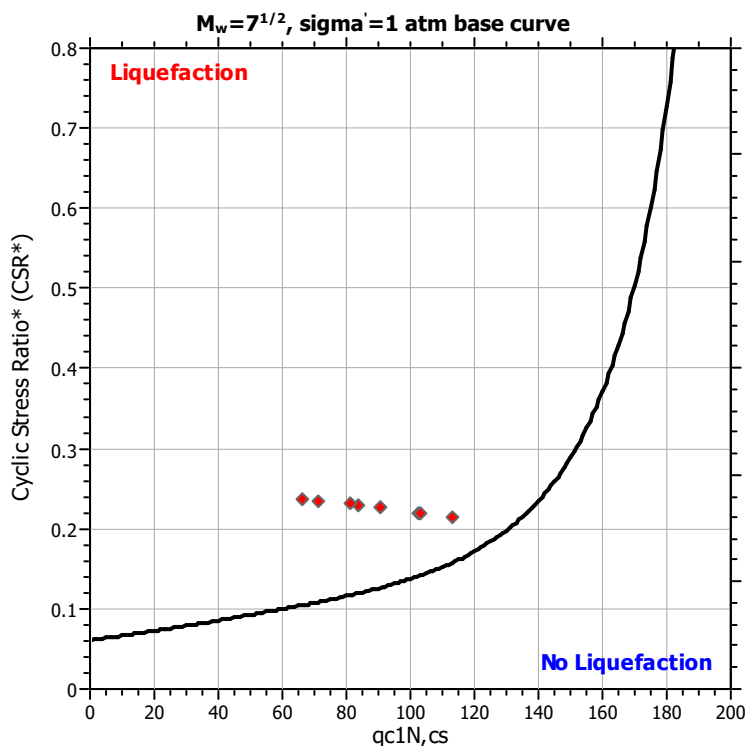
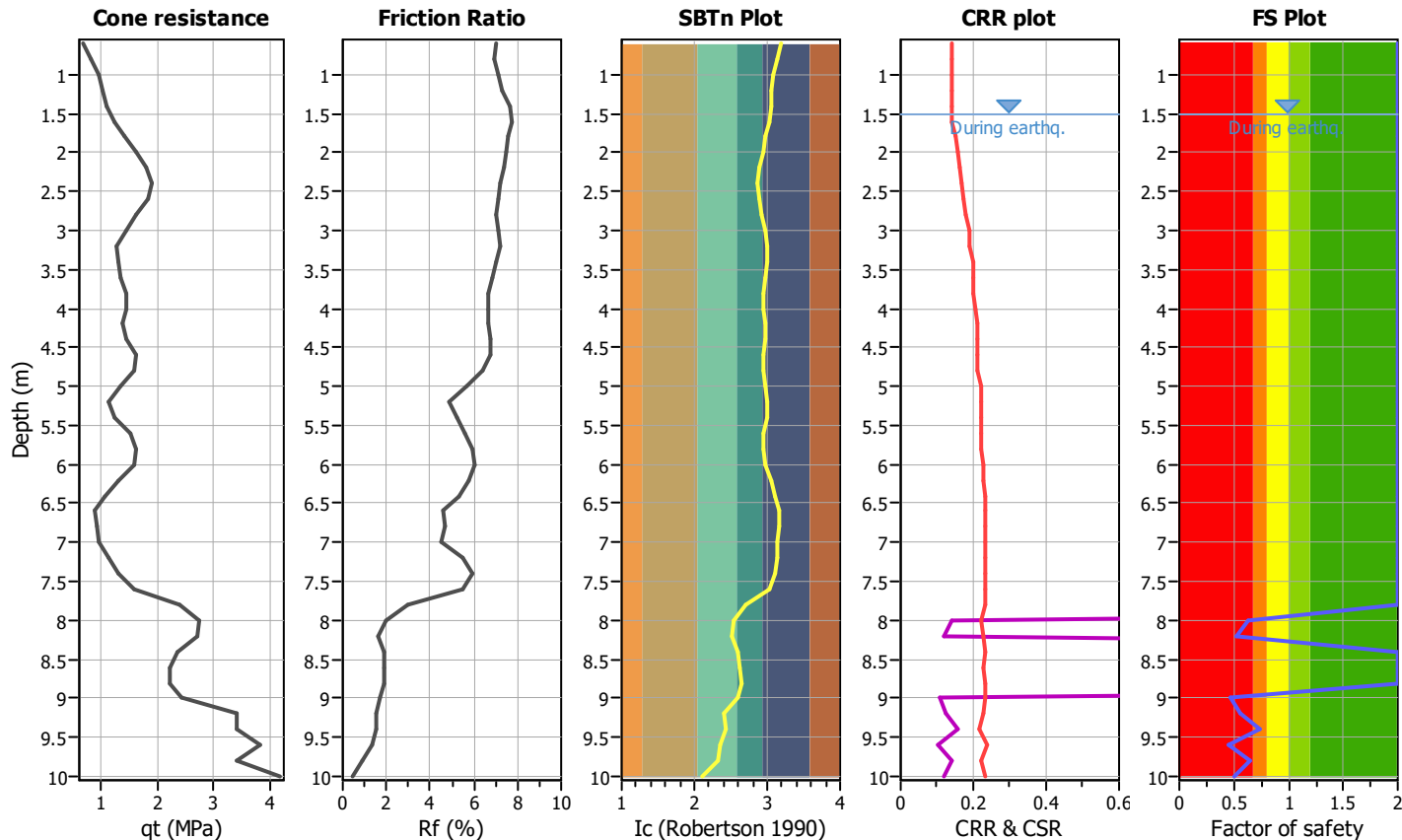
Project title :

Location :

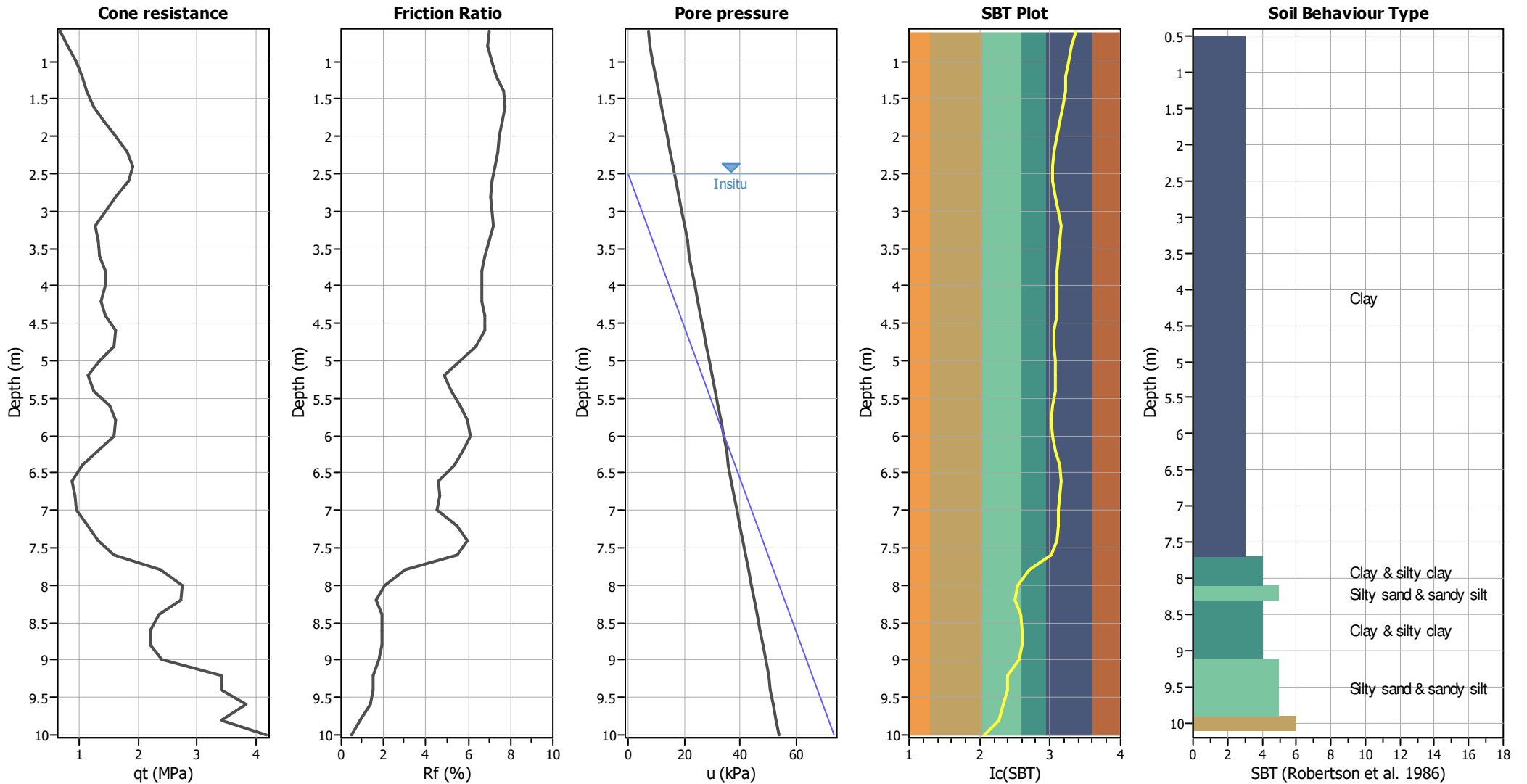
CPT file : P138_CPT129

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



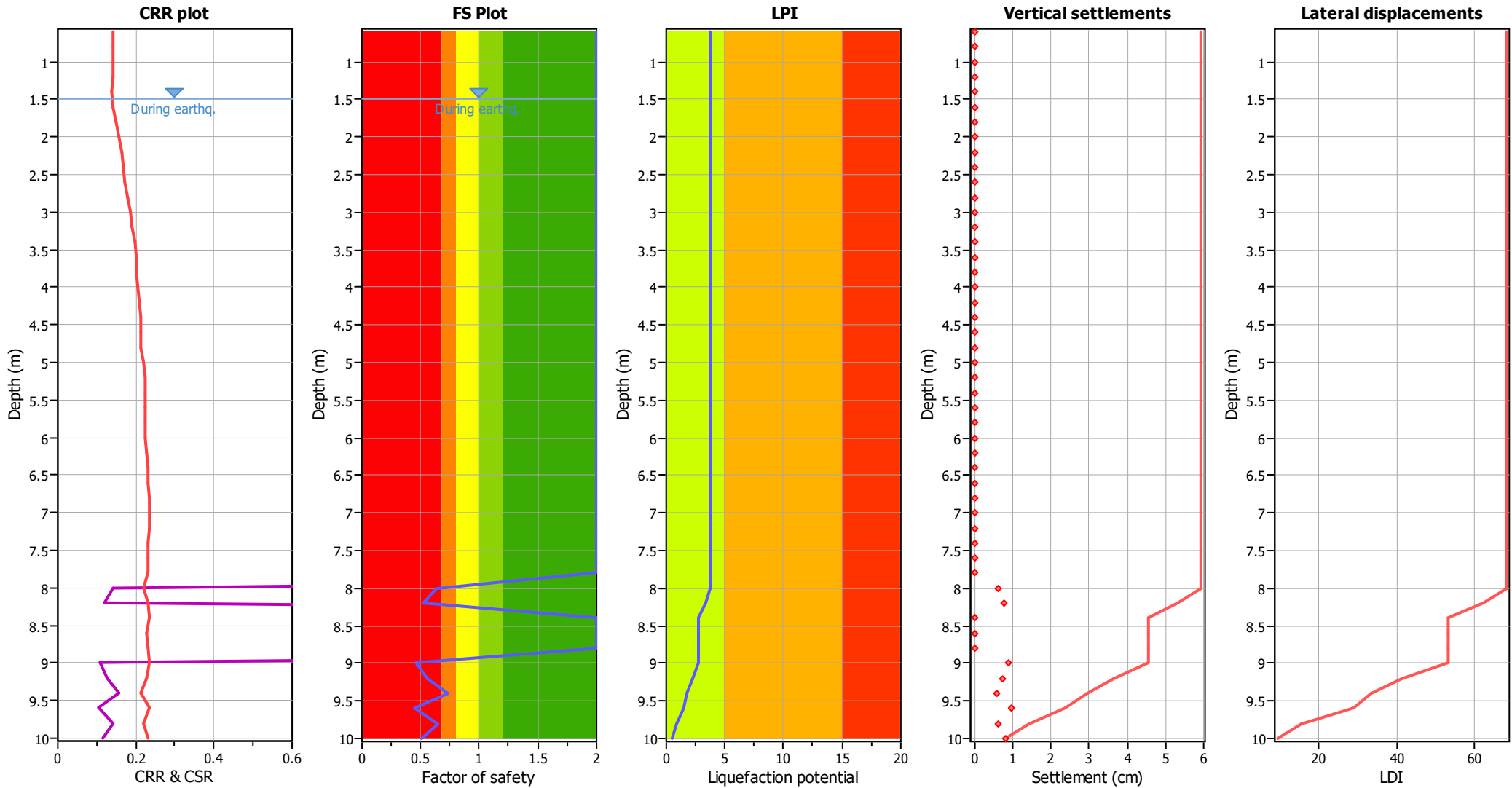
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	0.64	0.36	6.00	0.20	0.43
8.20	0.52	0.48	5.90	0.20	0.57	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	0.46	0.54	5.50	0.20	0.59	9.20	0.56	0.44	5.40	0.20	0.48
9.40	0.74	0.26	5.30	0.20	0.28	9.60	0.44	0.56	5.20	0.20	0.58
9.80	0.64	0.36	5.10	0.20	0.37	10.00	0.51	0.49	5.00	0.20	0.49

Overall liquefaction potential: 3.78

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

:: 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)
1.60	20.13	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	26.84	2.00	0.00	1.00	0.00	2.20	28.93	2.00	0.00	1.00	0.00
2.40	30.55	2.00	0.00	1.00	0.00	2.60	28.26	2.00	0.00	1.00	0.00
2.80	23.59	2.00	0.00	1.00	0.00	3.00	19.00	2.00	0.00	1.00	0.00
3.20	20.04	2.00	0.00	1.00	0.00	3.40	15.63	2.00	0.00	1.00	0.00
3.60	19.38	2.00	0.00	1.00	0.00	3.80	20.38	2.00	0.00	1.00	0.00
4.00	18.77	2.00	0.00	1.00	0.00	4.20	18.48	2.00	0.00	1.00	0.00
4.40	16.94	2.00	0.00	1.00	0.00	4.60	20.42	2.00	0.00	1.00	0.00
4.80	23.77	2.00	0.00	1.00	0.00	5.00	15.00	2.00	0.00	1.00	0.00
5.20	11.17	2.00	0.00	1.00	0.00	5.40	15.81	2.00	0.00	1.00	0.00
5.60	17.95	2.00	0.00	1.00	0.00	5.80	20.04	2.00	0.00	1.00	0.00
6.00	18.65	2.00	0.00	1.00	0.00	6.20	16.16	2.00	0.00	1.00	0.00
6.40	10.33	2.00	0.00	1.00	0.00	6.60	9.09	2.00	0.00	1.00	0.00
6.80	10.11	2.00	0.00	1.00	0.00	7.00	11.11	2.00	0.00	1.00	0.00
7.20	9.90	2.00	0.00	1.00	0.00	7.40	16.24	2.00	0.00	1.00	0.00
7.60	16.07	2.00	0.00	1.00	0.00	7.80	18.01	2.00	0.00	1.00	0.00
8.00	102.36	0.64	3.14	1.00	0.63	8.20	84.00	0.52	3.82	1.00	0.76
8.40	16.48	2.00	0.00	1.00	0.00	8.60	28.50	2.00	0.00	1.00	0.00
8.80	22.22	2.00	0.00	1.00	0.00	9.00	71.32	0.46	4.47	1.00	0.89
9.20	90.91	0.56	3.54	1.00	0.71	9.40	113.29	0.74	2.82	1.00	0.56
9.60	66.44	0.44	4.77	1.00	0.95	9.80	102.84	0.64	3.12	1.00	0.62
10.00	81.30	0.51	3.95	1.00	0.79						

Total estimated settlement: 5.93

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

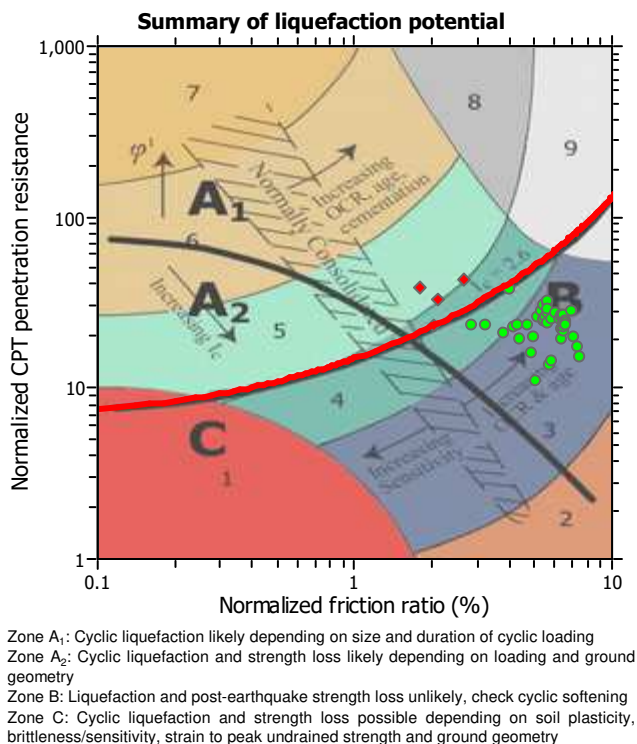
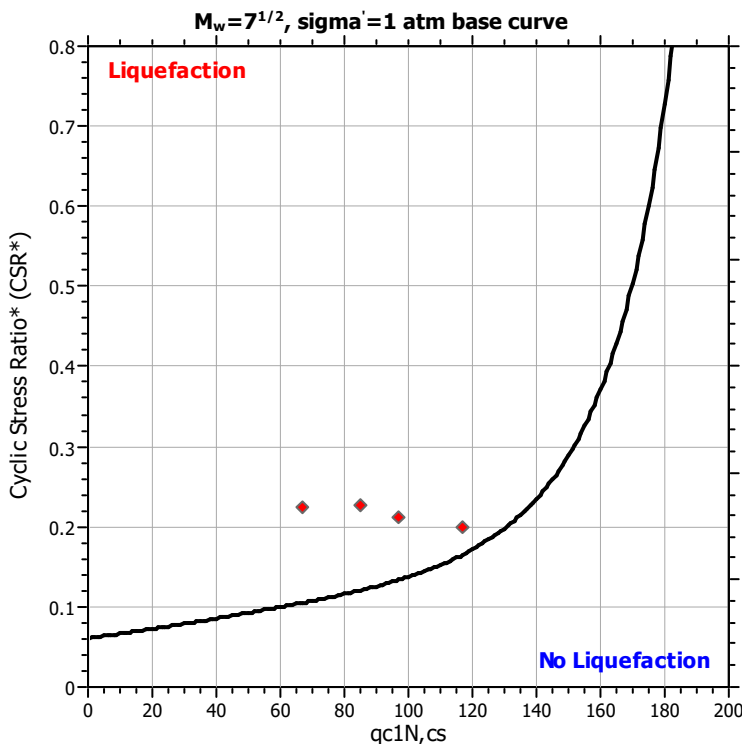
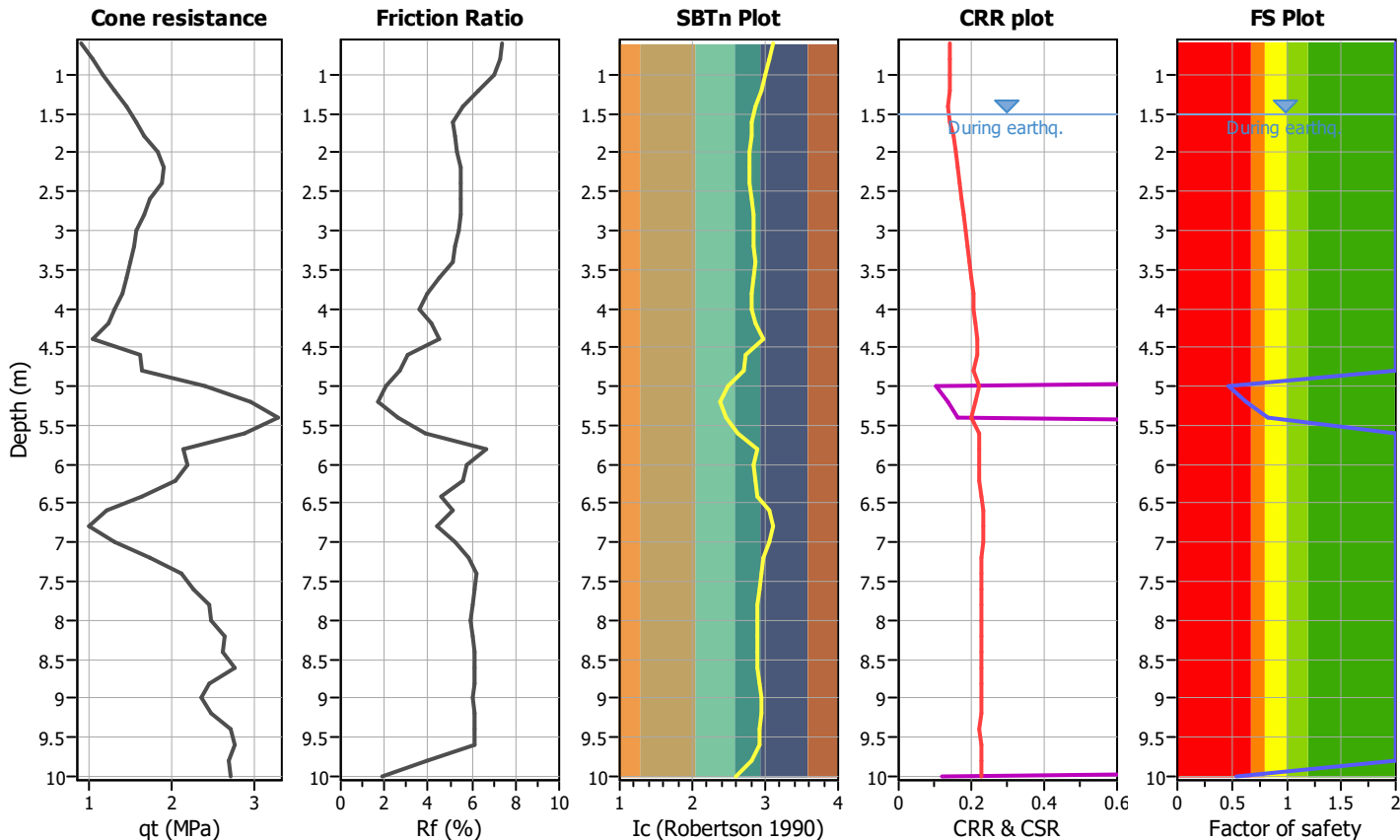
Project title :

Location :

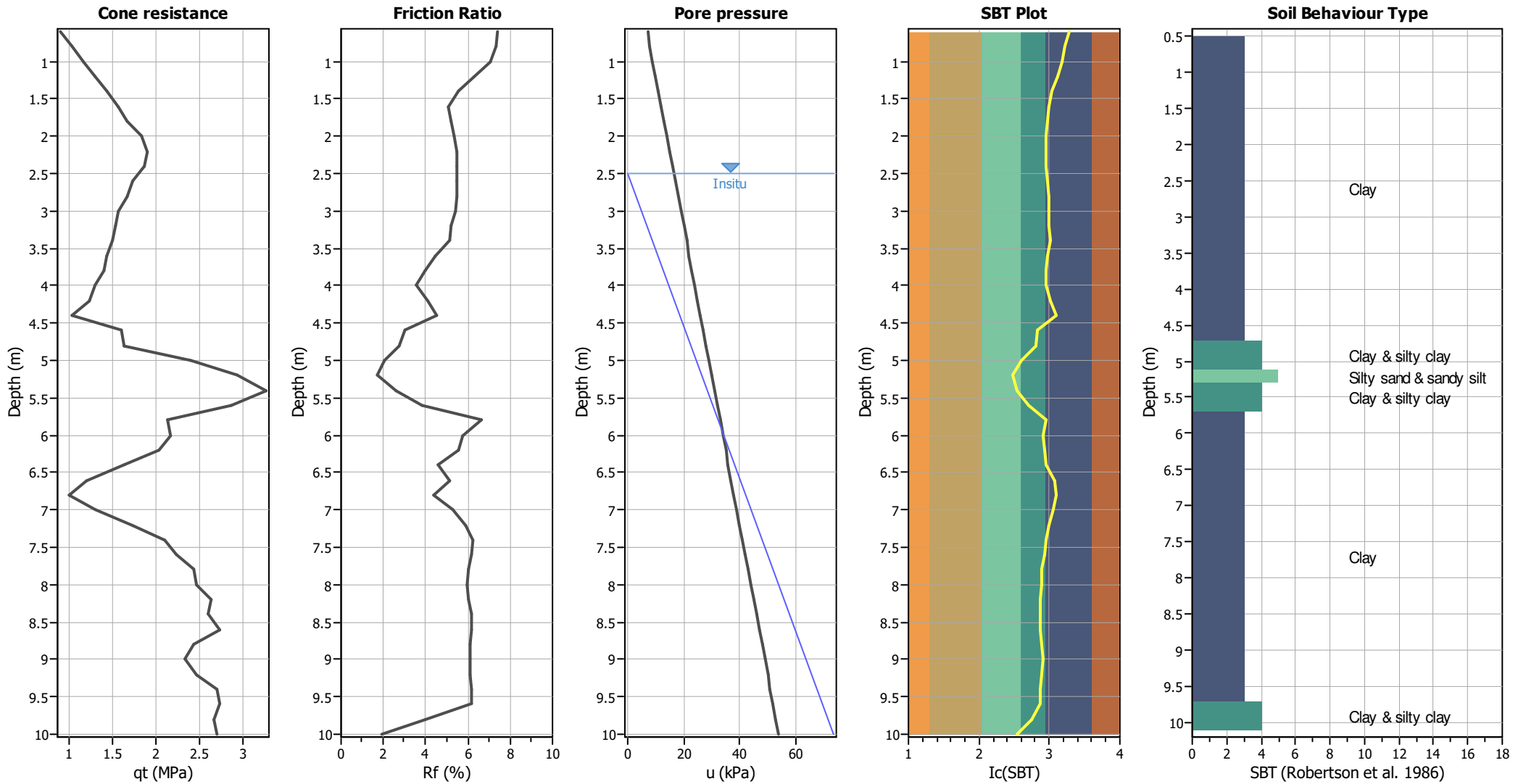
CPT file : P139_CPT130

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



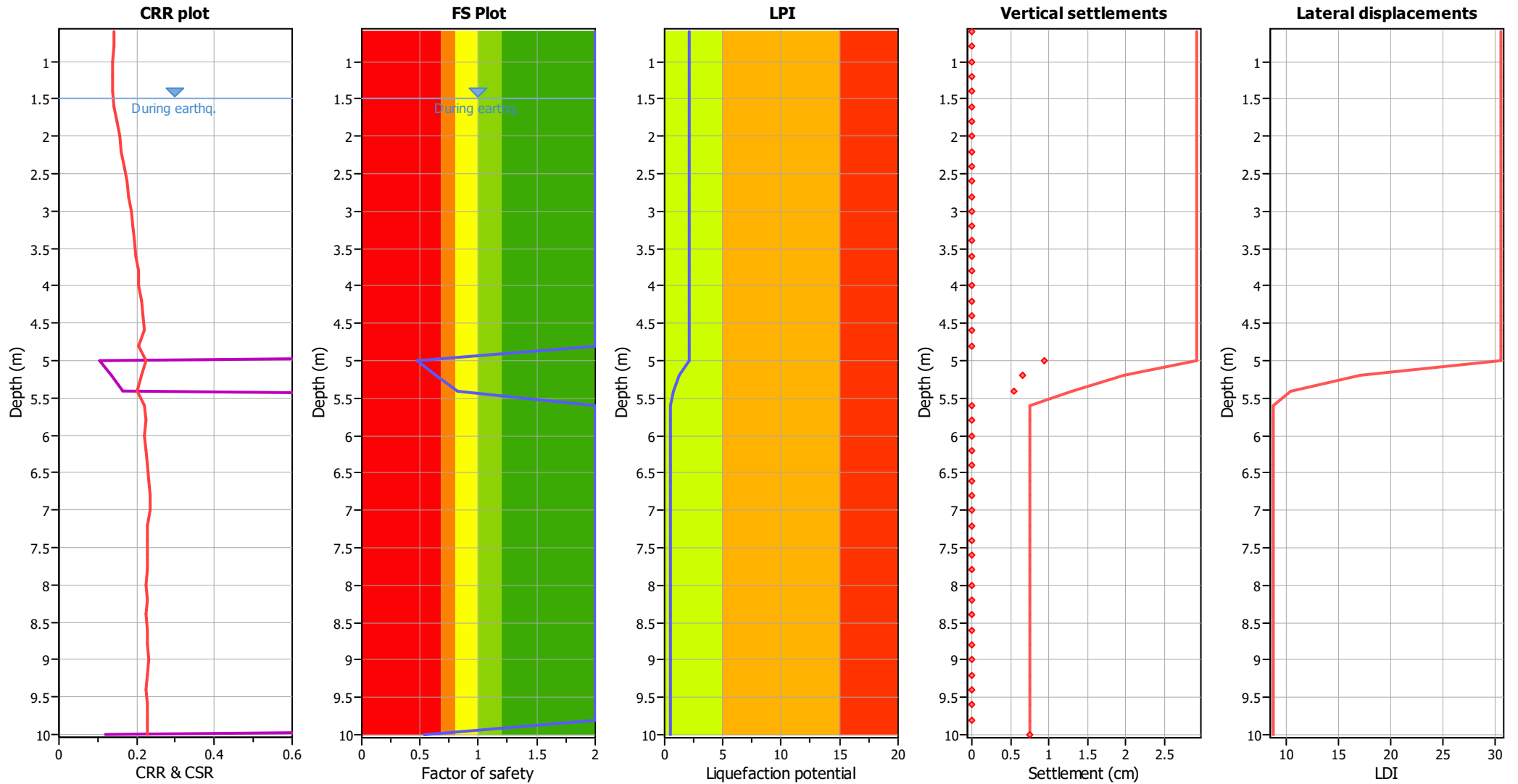
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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_d applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	0.47	0.53	7.50	0.20	0.79	5.20	0.63	0.37	7.40	0.20	0.55
5.40	0.82	0.18	7.30	0.20	0.26	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.53	0.47	5.00	0.20	0.47

Overall liquefaction potential: 2.07

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

:: 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)
1.60	26.84	2.00	0.00	1.00	0.00	1.80	26.84	2.00	0.00	1.00	0.00
2.00	30.20	2.00	0.00	1.00	0.00	2.20	33.28	2.00	0.00	1.00	0.00
2.40	27.64	2.00	0.00	1.00	0.00	2.60	25.42	2.00	0.00	1.00	0.00
2.80	24.96	2.00	0.00	1.00	0.00	3.00	23.16	2.00	0.00	1.00	0.00
3.20	20.05	2.00	0.00	1.00	0.00	3.40	22.39	2.00	0.00	1.00	0.00
3.60	20.73	2.00	0.00	1.00	0.00	3.80	16.48	2.00	0.00	1.00	0.00
4.00	20.14	2.00	0.00	1.00	0.00	4.20	15.99	2.00	0.00	1.00	0.00
4.40	13.20	2.00	0.00	1.00	0.00	4.60	11.77	2.00	0.00	1.00	0.00
4.80	36.04	2.00	0.00	1.00	0.00	5.00	67.13	0.47	4.73	1.00	0.95
5.20	96.67	0.63	3.33	1.00	0.67	5.40	116.72	0.82	2.73	1.00	0.55
5.60	25.13	2.00	0.00	1.00	0.00	5.80	23.60	2.00	0.00	1.00	0.00
6.00	26.71	2.00	0.00	1.00	0.00	6.20	25.26	2.00	0.00	1.00	0.00
6.40	18.27	2.00	0.00	1.00	0.00	6.60	12.48	2.00	0.00	1.00	0.00
6.80	10.12	2.00	0.00	1.00	0.00	7.00	11.11	2.00	0.00	1.00	0.00
7.20	21.80	2.00	0.00	1.00	0.00	7.40	23.68	2.00	0.00	1.00	0.00
7.60	22.37	2.00	0.00	1.00	0.00	7.80	25.25	2.00	0.00	1.00	0.00
8.00	29.10	2.00	0.00	1.00	0.00	8.20	22.67	2.00	0.00	1.00	0.00
8.40	29.52	2.00	0.00	1.00	0.00	8.60	27.22	2.00	0.00	1.00	0.00
8.80	25.95	2.00	0.00	1.00	0.00	9.00	19.77	2.00	0.00	1.00	0.00
9.20	23.50	2.00	0.00	1.00	0.00	9.40	29.10	2.00	0.00	1.00	0.00
9.60	25.94	2.00	0.00	1.00	0.00	9.80	23.79	2.00	0.00	1.00	0.00
10.00	84.94	0.53	3.78	1.00	0.76						

Total estimated settlement: 2.91

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

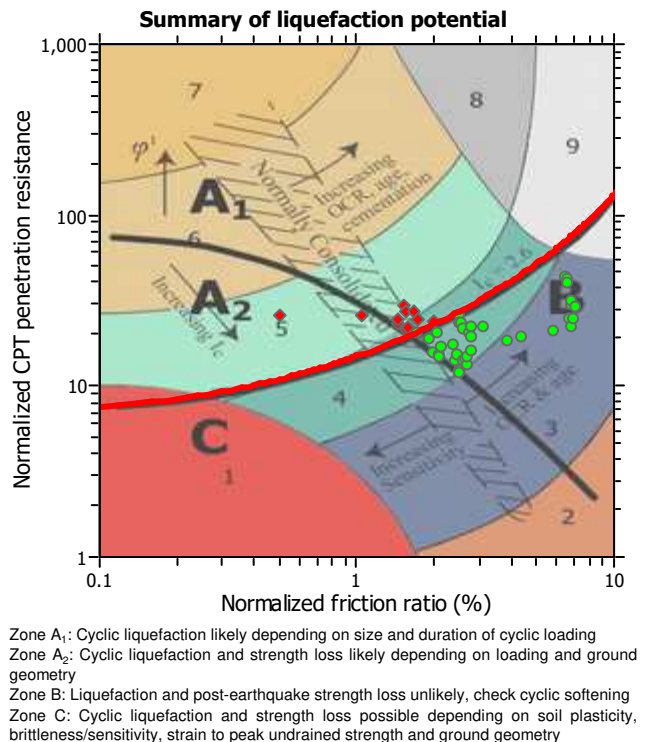
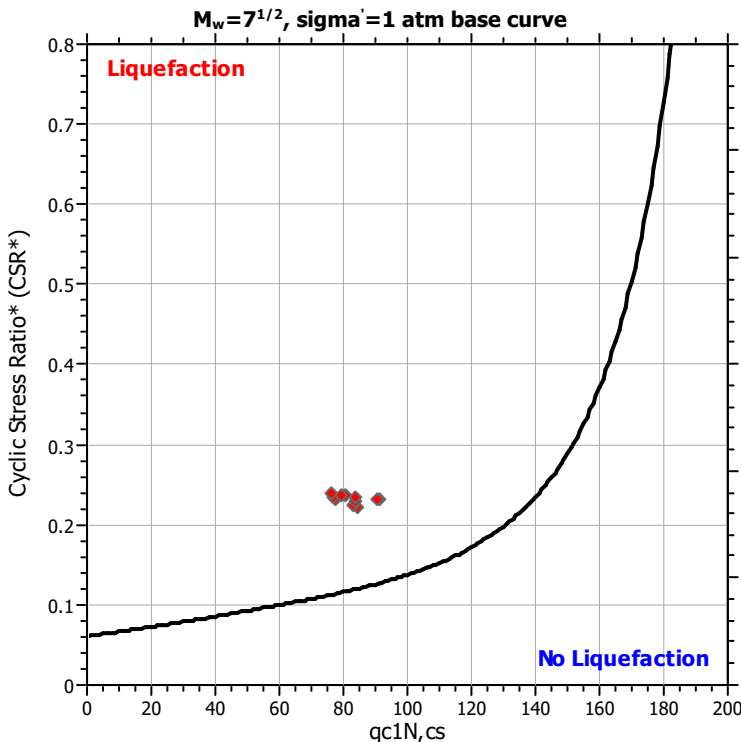
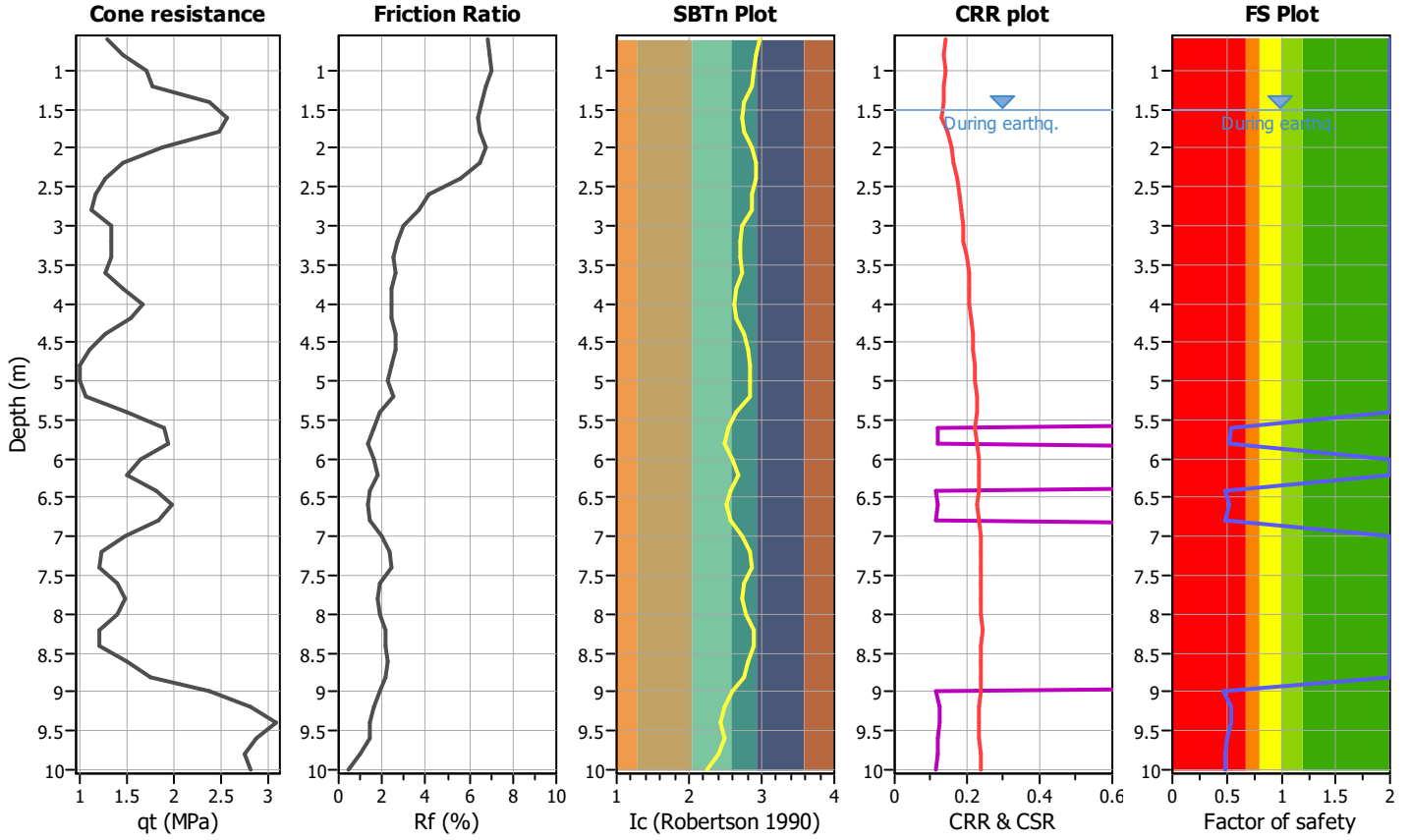
Project title :

Location :

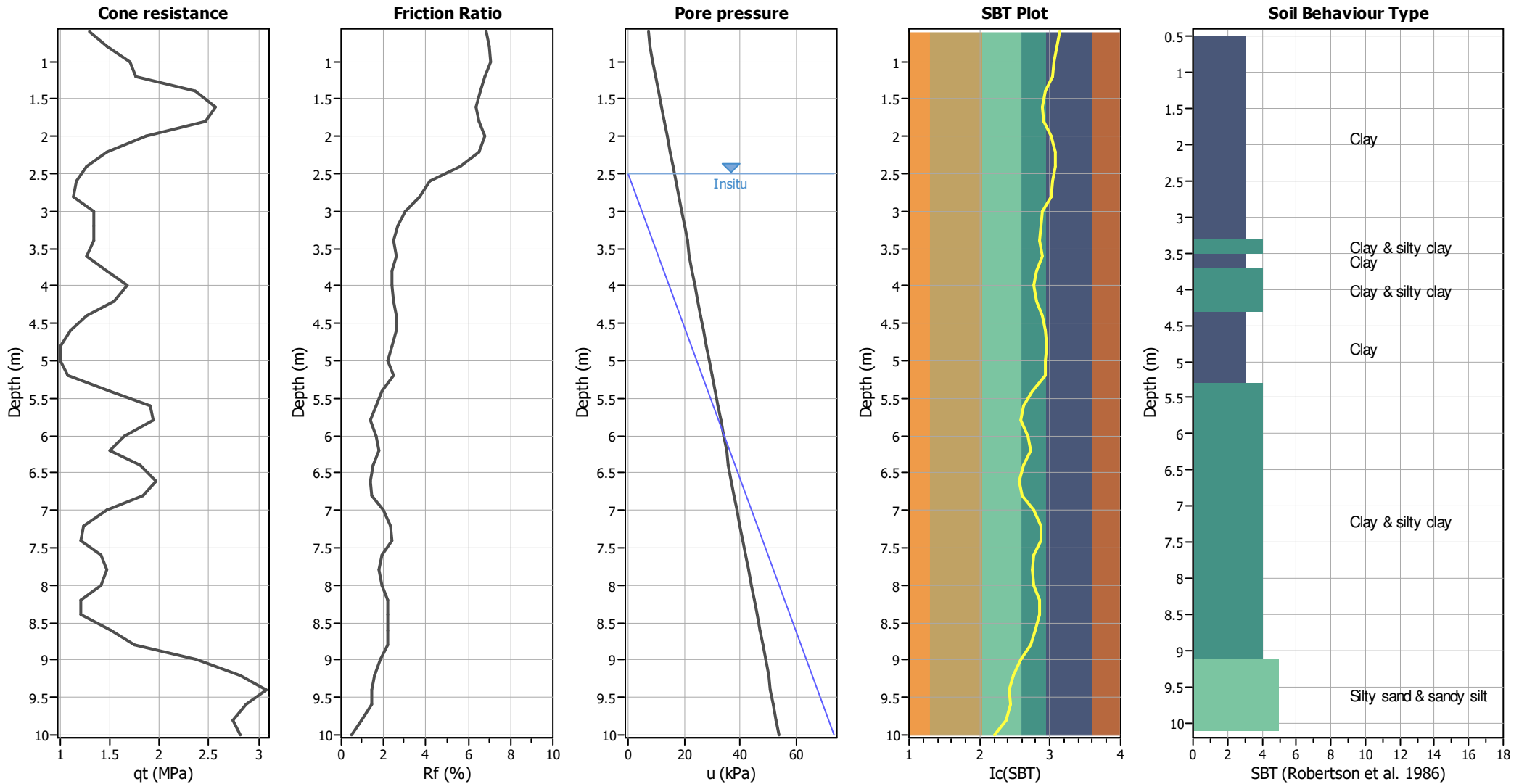
CPT file : P140_CPT131

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



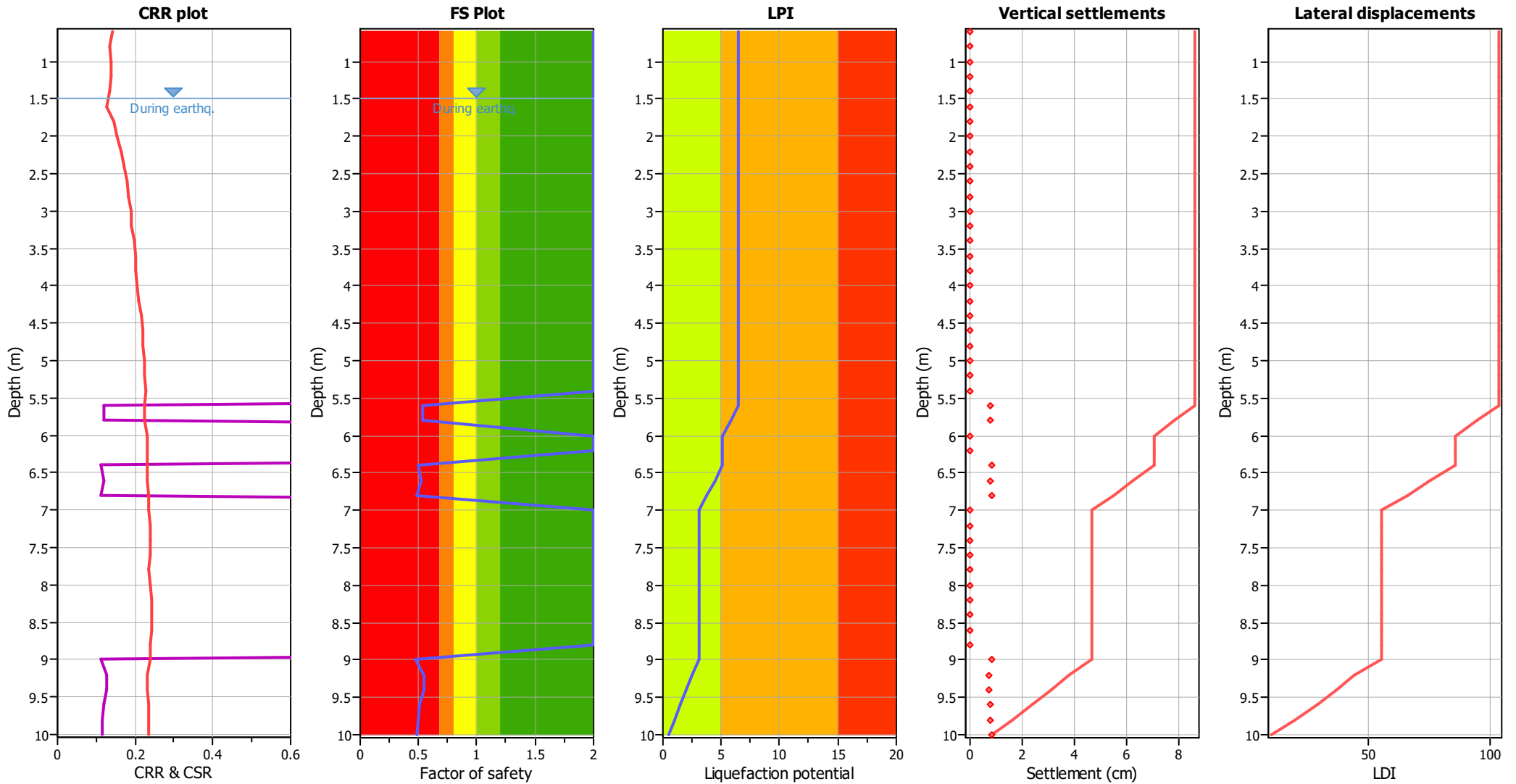
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	0.54	0.46	7.20	0.20	0.66
5.80	0.53	0.47	7.10	0.20	0.67	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	0.49	0.51	6.80	0.20	0.69
6.60	0.52	0.48	6.70	0.20	0.64	6.80	0.48	0.52	6.60	0.20	0.68
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	0.47	0.53	5.50	0.20	0.58	9.20	0.55	0.45	5.40	0.20	0.49
9.40	0.55	0.45	5.30	0.20	0.48	9.60	0.51	0.49	5.20	0.20	0.51
9.80	0.49	0.51	5.10	0.20	0.52	10.00	0.49	0.51	5.00	0.20	0.51

Overall liquefaction potential: 6.44

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

:: 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)
1.60	55.37	2.00	0.00	1.00	0.00	1.80	38.59	2.00	0.00	1.00	0.00
2.00	29.72	2.00	0.00	1.00	0.00	2.20	23.96	2.00	0.00	1.00	0.00
2.40	17.12	2.00	0.00	1.00	0.00	2.60	18.09	2.00	0.00	1.00	0.00
2.80	17.79	2.00	0.00	1.00	0.00	3.00	14.72	2.00	0.00	1.00	0.00
3.20	25.44	2.00	0.00	1.00	0.00	3.40	17.03	2.00	0.00	1.00	0.00
3.60	14.06	2.00	0.00	1.00	0.00	3.80	21.82	2.00	0.00	1.00	0.00
4.00	24.10	2.00	0.00	1.00	0.00	4.20	21.22	2.00	0.00	1.00	0.00
4.40	15.84	2.00	0.00	1.00	0.00	4.60	13.08	2.00	0.00	1.00	0.00
4.80	14.18	2.00	0.00	1.00	0.00	5.00	11.52	2.00	0.00	1.00	0.00
5.20	12.62	2.00	0.00	1.00	0.00	5.40	16.15	2.00	0.00	1.00	0.00
5.60	84.23	0.54	3.81	1.00	0.76	5.80	83.17	0.53	3.86	1.00	0.77
6.00	16.78	2.00	0.00	1.00	0.00	6.20	15.42	2.00	0.00	1.00	0.00
6.40	77.35	0.49	4.14	1.00	0.83	6.60	83.54	0.52	3.84	1.00	0.77
6.80	76.83	0.48	4.17	1.00	0.83	7.00	15.90	2.00	0.00	1.00	0.00
7.20	13.51	2.00	0.00	1.00	0.00	7.40	12.27	2.00	0.00	1.00	0.00
7.60	14.34	2.00	0.00	1.00	0.00	7.80	19.60	2.00	0.00	1.00	0.00
8.00	14.07	2.00	0.00	1.00	0.00	8.20	11.81	2.00	0.00	1.00	0.00
8.40	12.76	2.00	0.00	1.00	0.00	8.60	13.69	2.00	0.00	1.00	0.00
8.80	20.81	2.00	0.00	1.00	0.00	9.00	75.99	0.47	4.21	1.00	0.84
9.20	91.06	0.55	3.53	1.00	0.71	9.40	90.89	0.55	3.54	1.00	0.71
9.60	83.62	0.51	3.84	1.00	0.77	9.80	80.47	0.49	3.99	1.00	0.80
10.00	79.20	0.49	4.05	1.00	0.81						

Total estimated settlement: 8.60

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

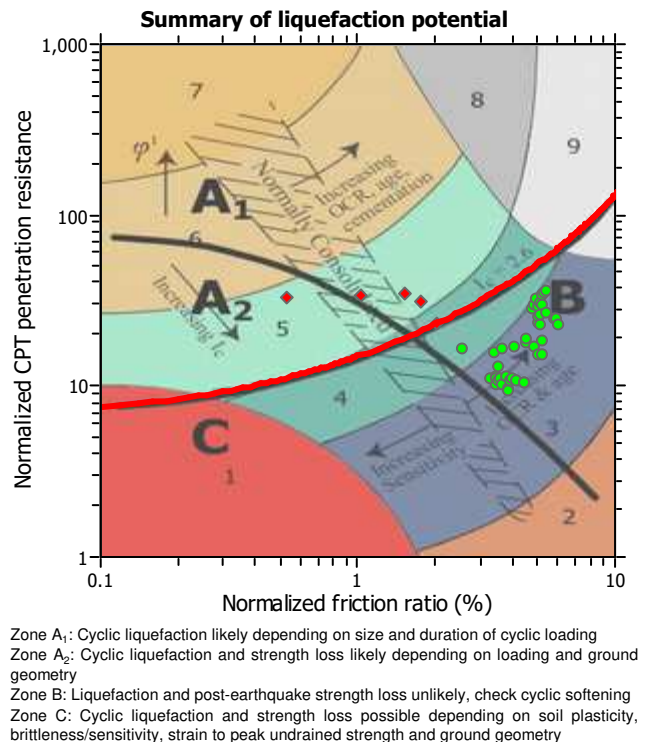
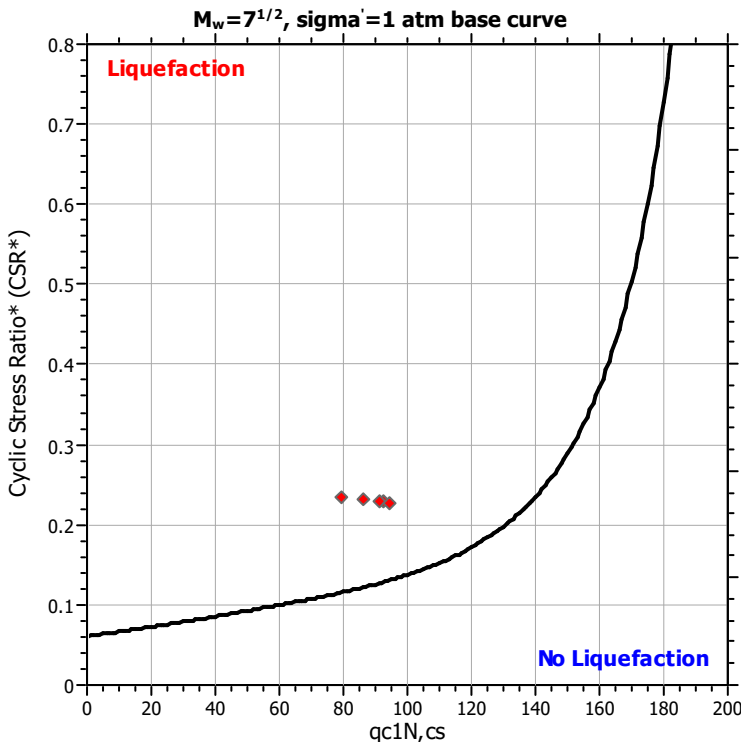
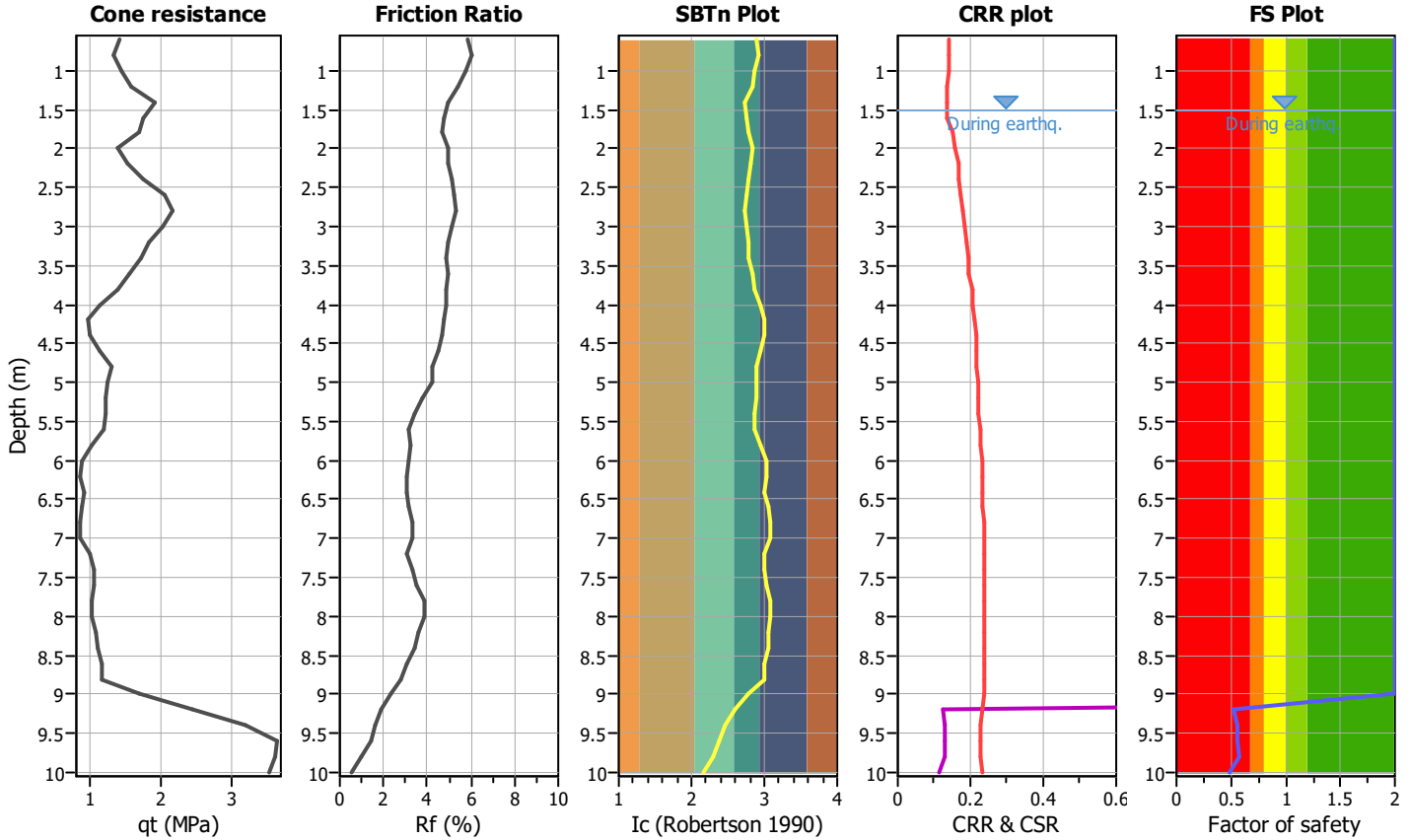
Project title :

Location :

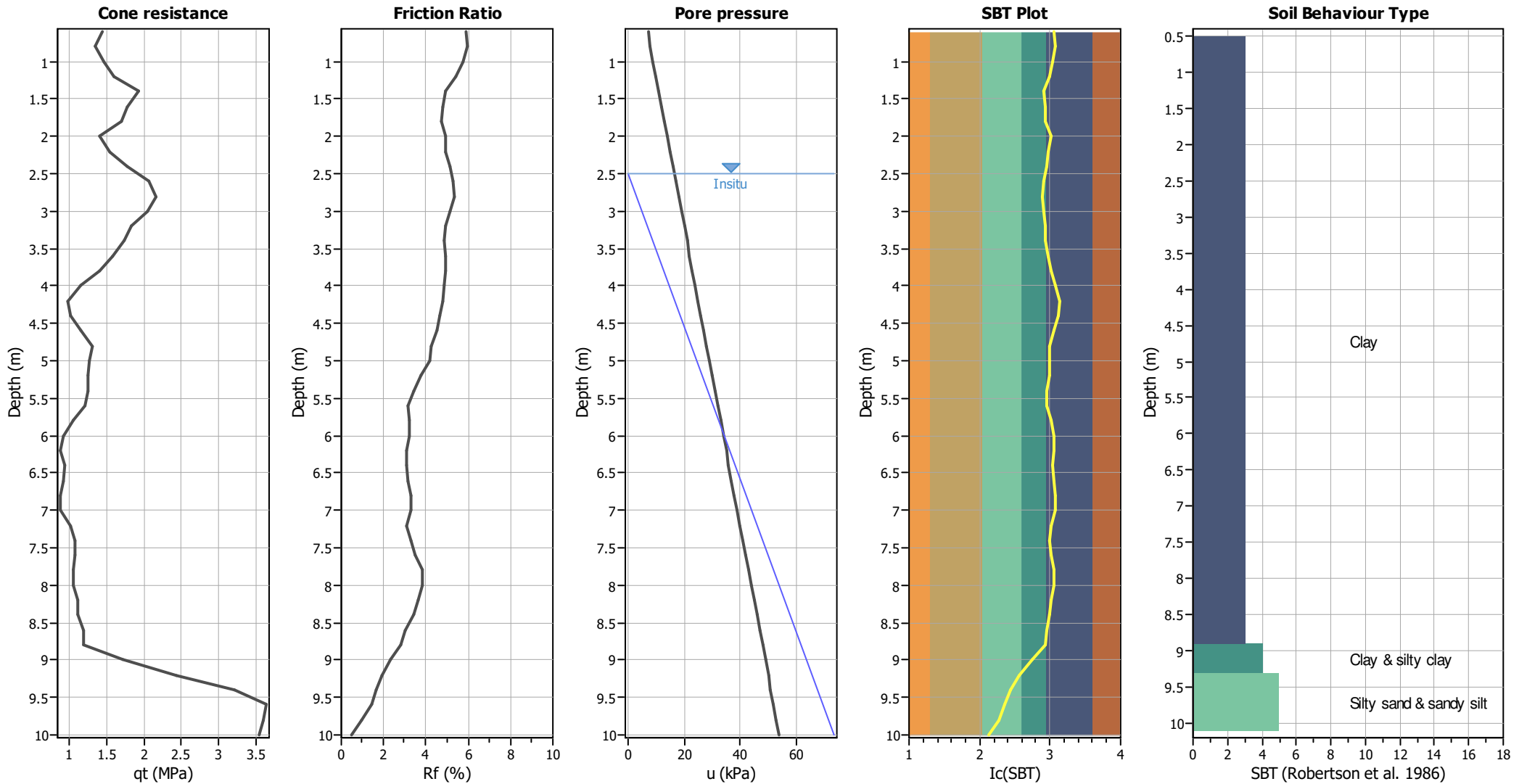
CPT file : P142_CPT133

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



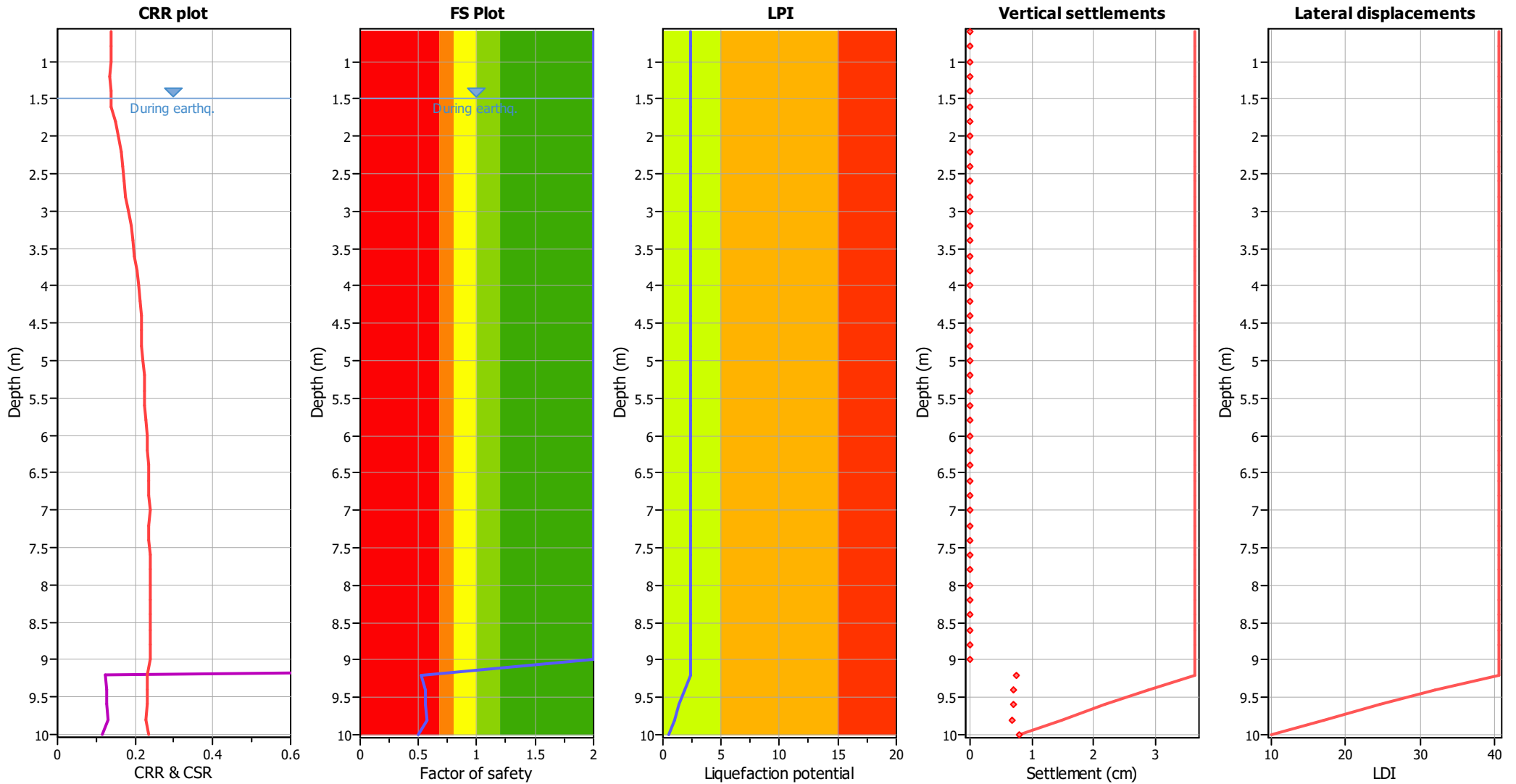
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	0.52	0.48	5.40	0.20	0.51
9.40	0.56	0.44	5.30	0.20	0.47	9.60	0.55	0.45	5.20	0.20	0.46
9.80	0.57	0.43	5.10	0.20	0.43	10.00	0.49	0.51	5.00	0.20	0.51

Overall liquefaction potential: 2.39

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

:: 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)
1.60	36.91	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	25.17	2.00	0.00	1.00	0.00	2.20	21.25	2.00	0.00	1.00	0.00
2.40	27.58	2.00	0.00	1.00	0.00	2.60	32.31	2.00	0.00	1.00	0.00
2.80	31.74	2.00	0.00	1.00	0.00	3.00	29.86	2.00	0.00	1.00	0.00
3.20	25.38	2.00	0.00	1.00	0.00	3.40	22.32	2.00	0.00	1.00	0.00
3.60	24.57	2.00	0.00	1.00	0.00	3.80	17.70	2.00	0.00	1.00	0.00
4.00	14.82	2.00	0.00	1.00	0.00	4.20	13.32	2.00	0.00	1.00	0.00
4.40	10.56	2.00	0.00	1.00	0.00	4.60	15.47	2.00	0.00	1.00	0.00
4.80	17.75	2.00	0.00	1.00	0.00	5.00	16.29	2.00	0.00	1.00	0.00
5.20	13.67	2.00	0.00	1.00	0.00	5.40	15.90	2.00	0.00	1.00	0.00
5.60	15.72	2.00	0.00	1.00	0.00	5.80	12.00	2.00	0.00	1.00	0.00
6.00	9.52	2.00	0.00	1.00	0.00	6.20	10.59	2.00	0.00	1.00	0.00
6.40	10.47	2.00	0.00	1.00	0.00	6.60	11.50	2.00	0.00	1.00	0.00
6.80	9.13	2.00	0.00	1.00	0.00	7.00	9.04	2.00	0.00	1.00	0.00
7.20	11.16	2.00	0.00	1.00	0.00	7.40	13.24	2.00	0.00	1.00	0.00
7.60	10.94	2.00	0.00	1.00	0.00	7.80	10.83	2.00	0.00	1.00	0.00
8.00	11.79	2.00	0.00	1.00	0.00	8.20	10.62	2.00	0.00	1.00	0.00
8.40	12.61	2.00	0.00	1.00	0.00	8.60	11.46	2.00	0.00	1.00	0.00
8.80	12.38	2.00	0.00	1.00	0.00	9.00	12.27	2.00	0.00	1.00	0.00
9.20	86.03	0.52	3.74	1.00	0.75	9.40	92.32	0.56	3.48	1.00	0.70
9.60	91.42	0.55	3.52	1.00	0.70	9.80	94.54	0.57	3.40	1.00	0.68
10.00	79.62	0.49	4.03	1.00	0.81						

Total estimated settlement: 3.63

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

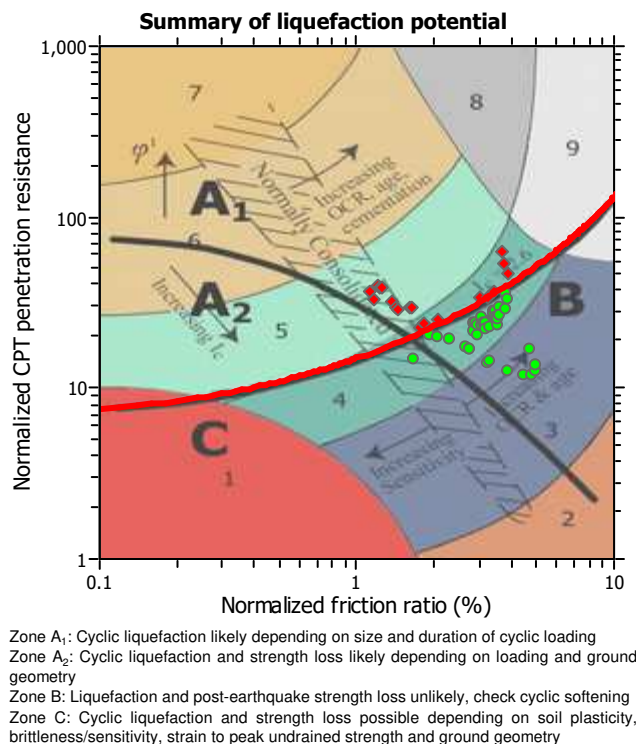
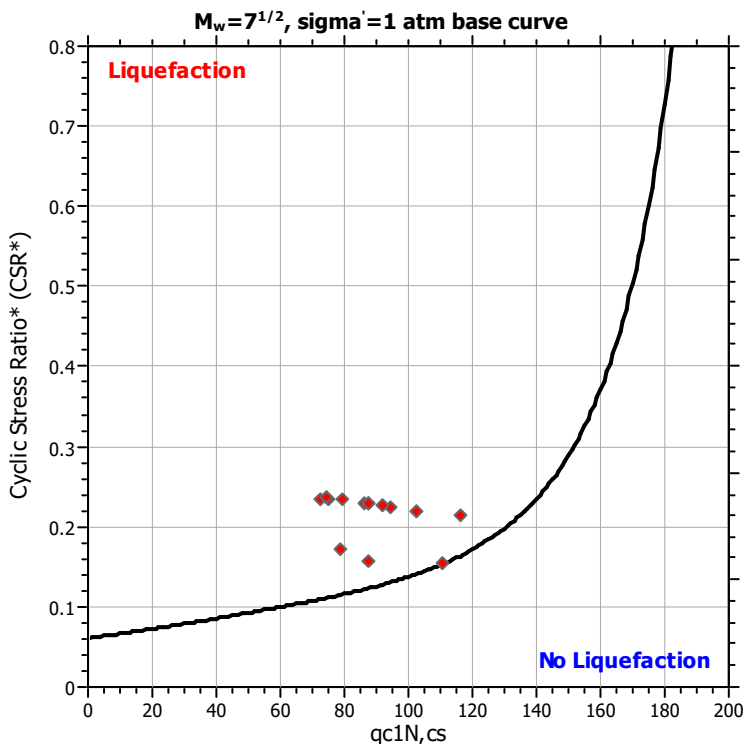
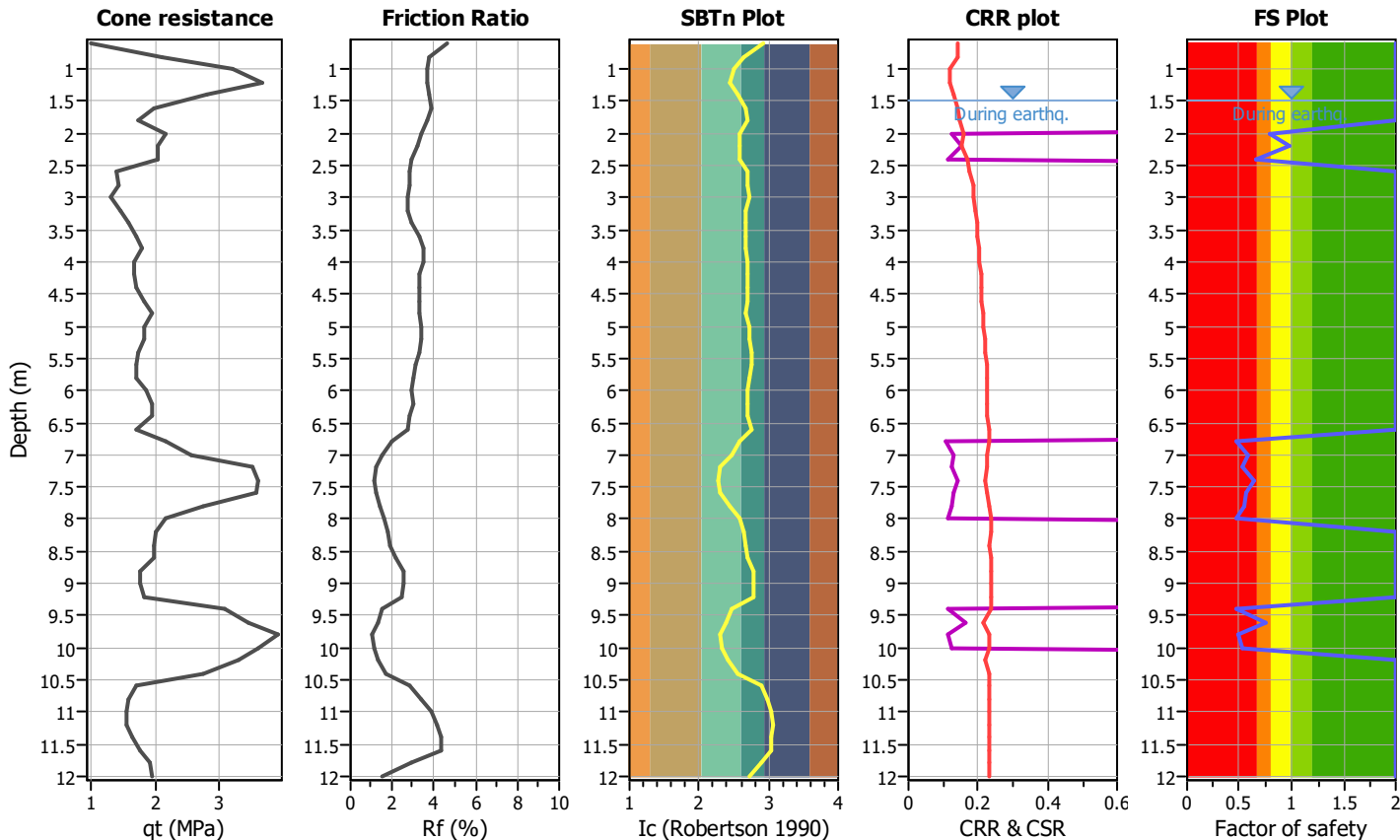
Project title :

Location :

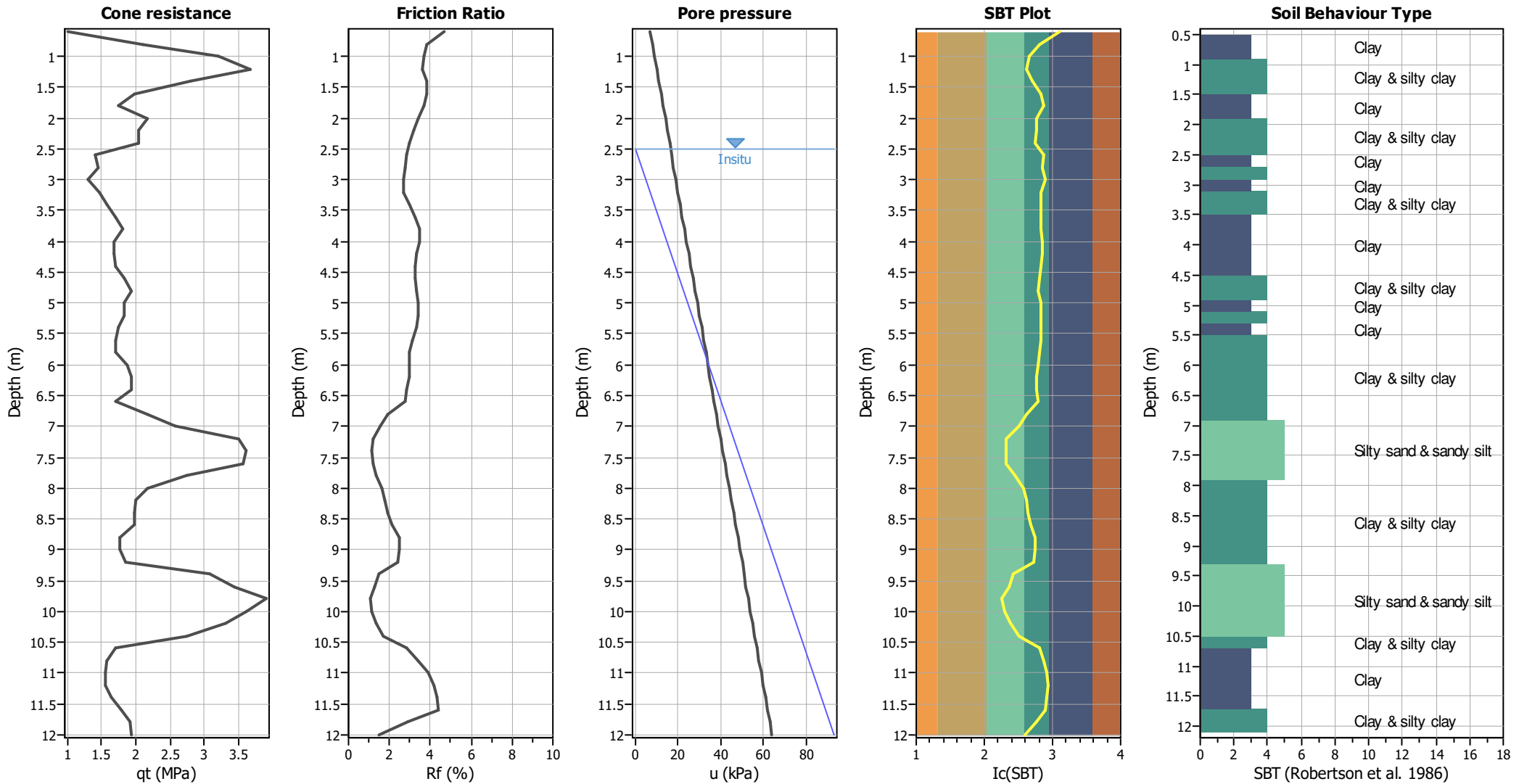
CPT file : P144_CPT135

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



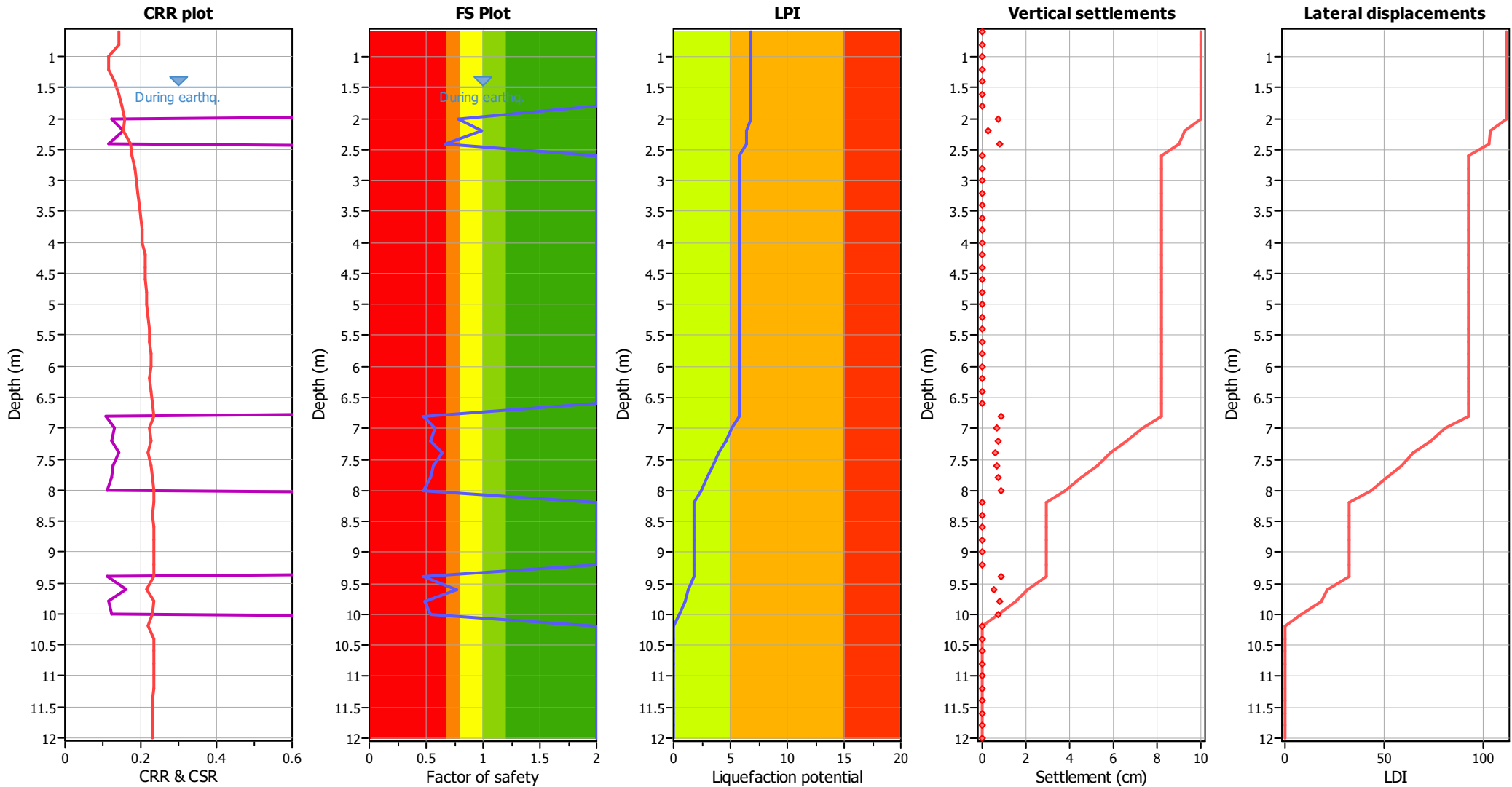
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	0.79	0.21	9.00	0.20	0.38
2.20	0.99	0.01	8.90	0.20	0.02	2.40	0.67	0.33	8.80	0.20	0.58
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	0.47	0.53	6.60	0.20	0.70
7.00	0.58	0.42	6.50	0.20	0.54	7.20	0.53	0.47	6.40	0.20	0.60
7.40	0.64	0.36	6.30	0.20	0.45	7.60	0.56	0.44	6.20	0.20	0.54
7.80	0.54	0.46	6.10	0.20	0.56	8.00	0.47	0.53	6.00	0.20	0.63
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	0.47	0.53	5.30	0.20	0.56	9.60	0.76	0.24	5.20	0.20	0.25
9.80	0.49	0.51	5.10	0.20	0.52	10.00	0.54	0.46	5.00	0.20	0.46
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 6.80

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

:: 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)
1.60	28.52	2.00	0.00	1.00	0.00	1.80	30.20	2.00	0.00	1.00	0.00
2.00	87.56	0.79	3.67	1.00	0.73	2.20	110.34	0.99	1.33	1.00	0.27
2.40	78.85	0.67	4.07	1.00	0.81	2.60	25.54	2.00	0.00	1.00	0.00
2.80	16.63	2.00	0.00	1.00	0.00	3.00	21.98	2.00	0.00	1.00	0.00
3.20	18.89	2.00	0.00	1.00	0.00	3.40	22.66	2.00	0.00	1.00	0.00
3.60	24.96	2.00	0.00	1.00	0.00	3.80	23.28	2.00	0.00	1.00	0.00
4.00	25.49	2.00	0.00	1.00	0.00	4.20	18.74	2.00	0.00	1.00	0.00
4.40	22.28	2.00	0.00	1.00	0.00	4.60	25.70	2.00	0.00	1.00	0.00
4.80	22.91	2.00	0.00	1.00	0.00	5.00	25.02	2.00	0.00	1.00	0.00
5.20	21.10	2.00	0.00	1.00	0.00	5.40	22.01	2.00	0.00	1.00	0.00
5.60	20.57	2.00	0.00	1.00	0.00	5.80	19.16	2.00	0.00	1.00	0.00
6.00	21.24	2.00	0.00	1.00	0.00	6.20	25.54	2.00	0.00	1.00	0.00
6.40	20.76	2.00	0.00	1.00	0.00	6.60	20.53	2.00	0.00	1.00	0.00
6.80	72.40	0.47	4.41	1.00	0.88	7.00	94.10	0.58	3.42	1.00	0.68
7.20	86.27	0.53	3.73	1.00	0.75	7.40	102.78	0.64	3.12	1.00	0.62
7.60	92.10	0.56	3.49	1.00	0.70	7.80	87.77	0.54	3.66	1.00	0.73
8.00	75.10	0.47	4.26	1.00	0.85	8.20	18.94	2.00	0.00	1.00	0.00
8.40	24.97	2.00	0.00	1.00	0.00	8.60	17.56	2.00	0.00	1.00	0.00
8.80	18.42	2.00	0.00	1.00	0.00	9.00	18.25	2.00	0.00	1.00	0.00
9.20	17.09	2.00	0.00	1.00	0.00	9.40	74.17	0.47	4.31	1.00	0.86
9.60	116.08	0.76	2.75	1.00	0.55	9.80	79.22	0.49	4.05	1.00	0.81
10.00	87.71	0.54	3.66	1.00	0.73	10.20	104.59	2.00	0.00	1.00	0.00
10.40	73.63	2.00	0.00	1.00	0.00	10.60	16.09	2.00	0.00	1.00	0.00
10.80	14.07	2.00	0.00	1.00	0.00	11.00	13.96	2.00	0.00	1.00	0.00
11.20	14.77	2.00	0.00	1.00	0.00	11.40	13.73	2.00	0.00	1.00	0.00
11.60	16.36	2.00	0.00	1.00	0.00	11.80	18.06	2.00	0.00	1.00	0.00
12.00	17.02	2.00	0.00	1.00	0.00						

Total estimated settlement: 9.99

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

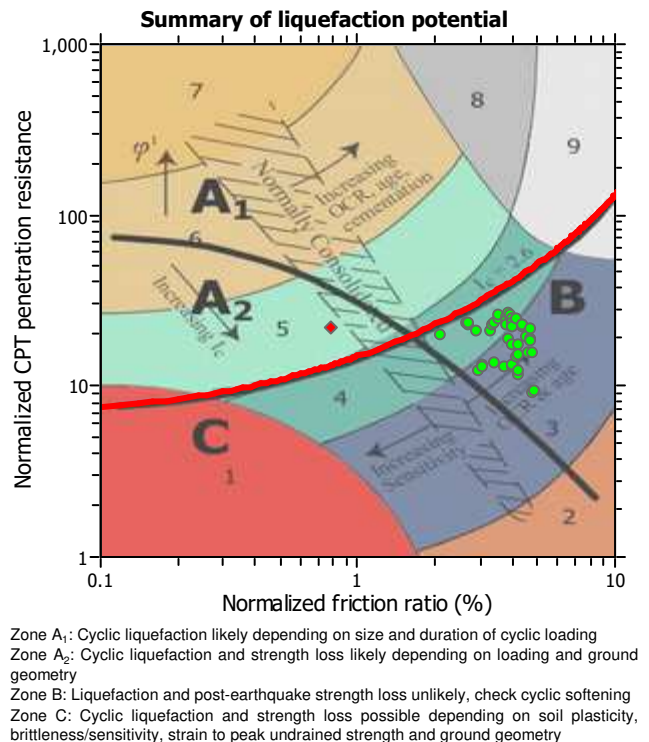
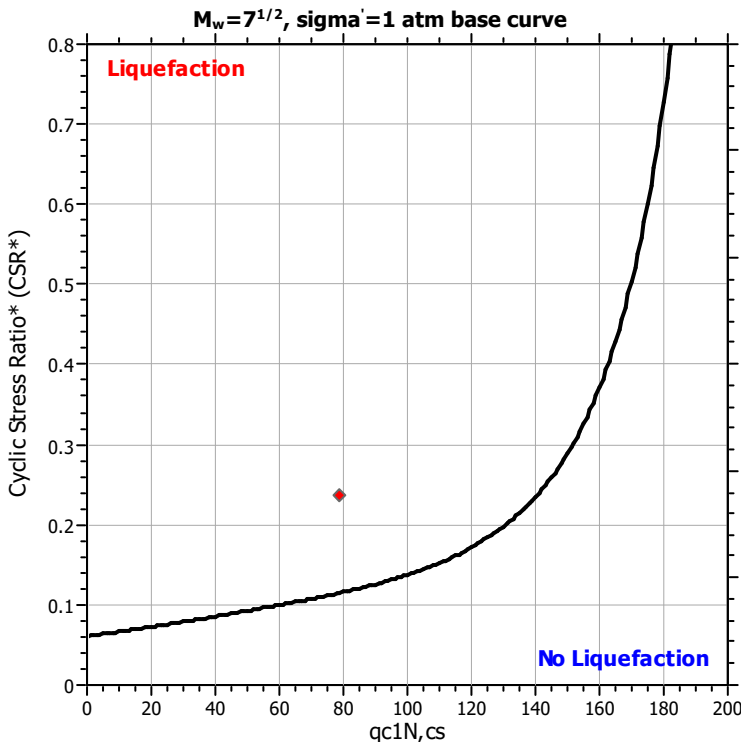
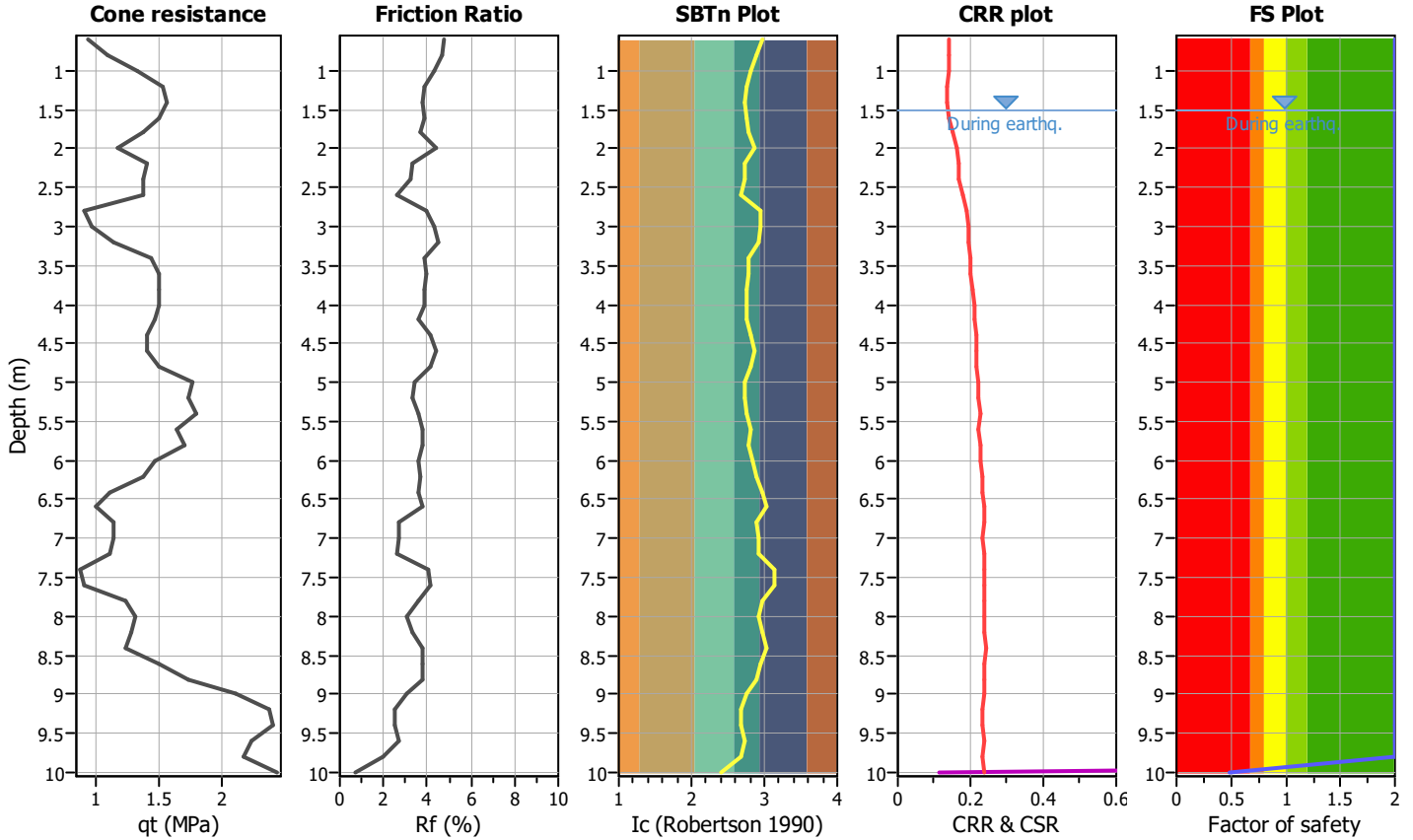
Project title :

Location :

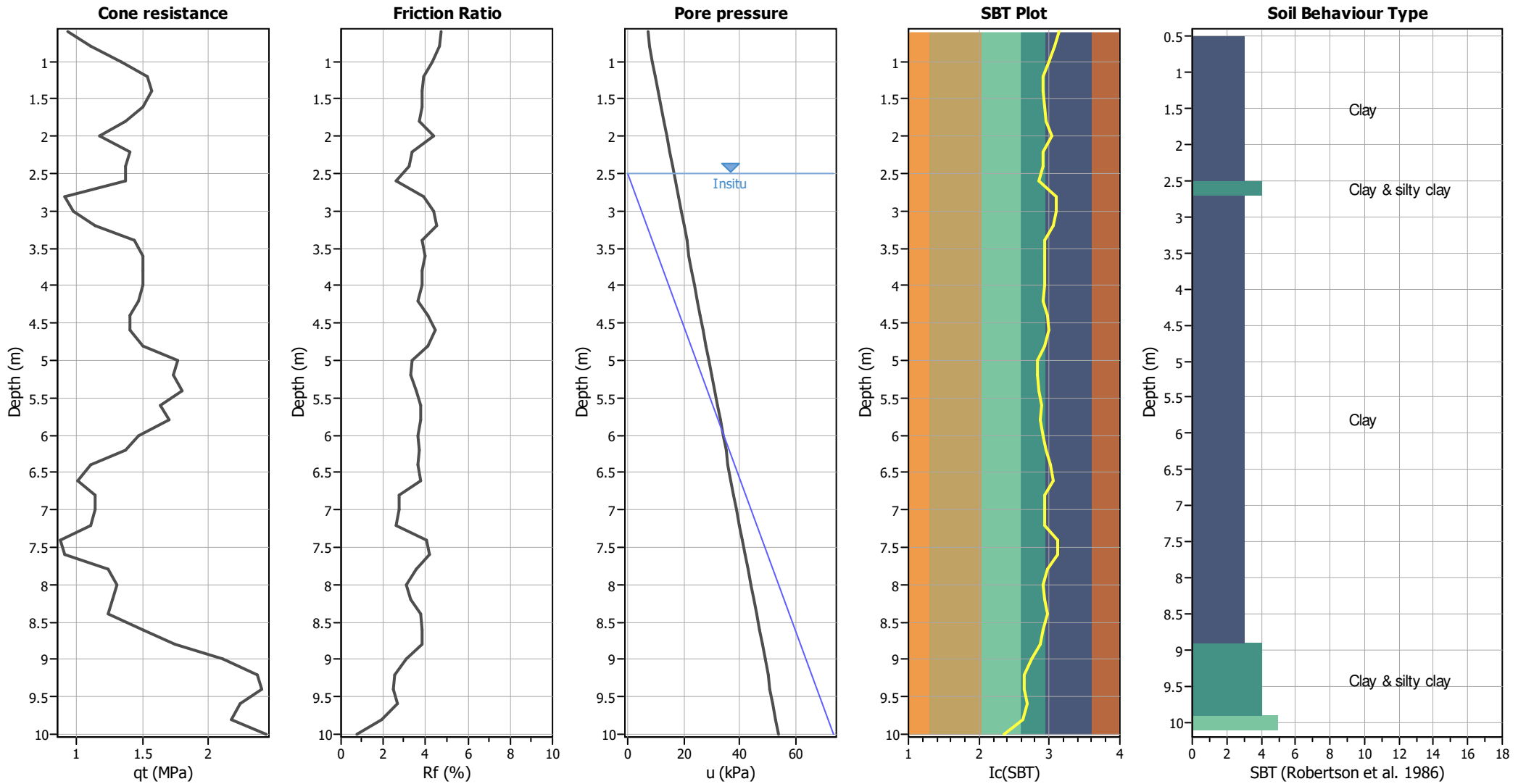
CPT file : P145_CPT136

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



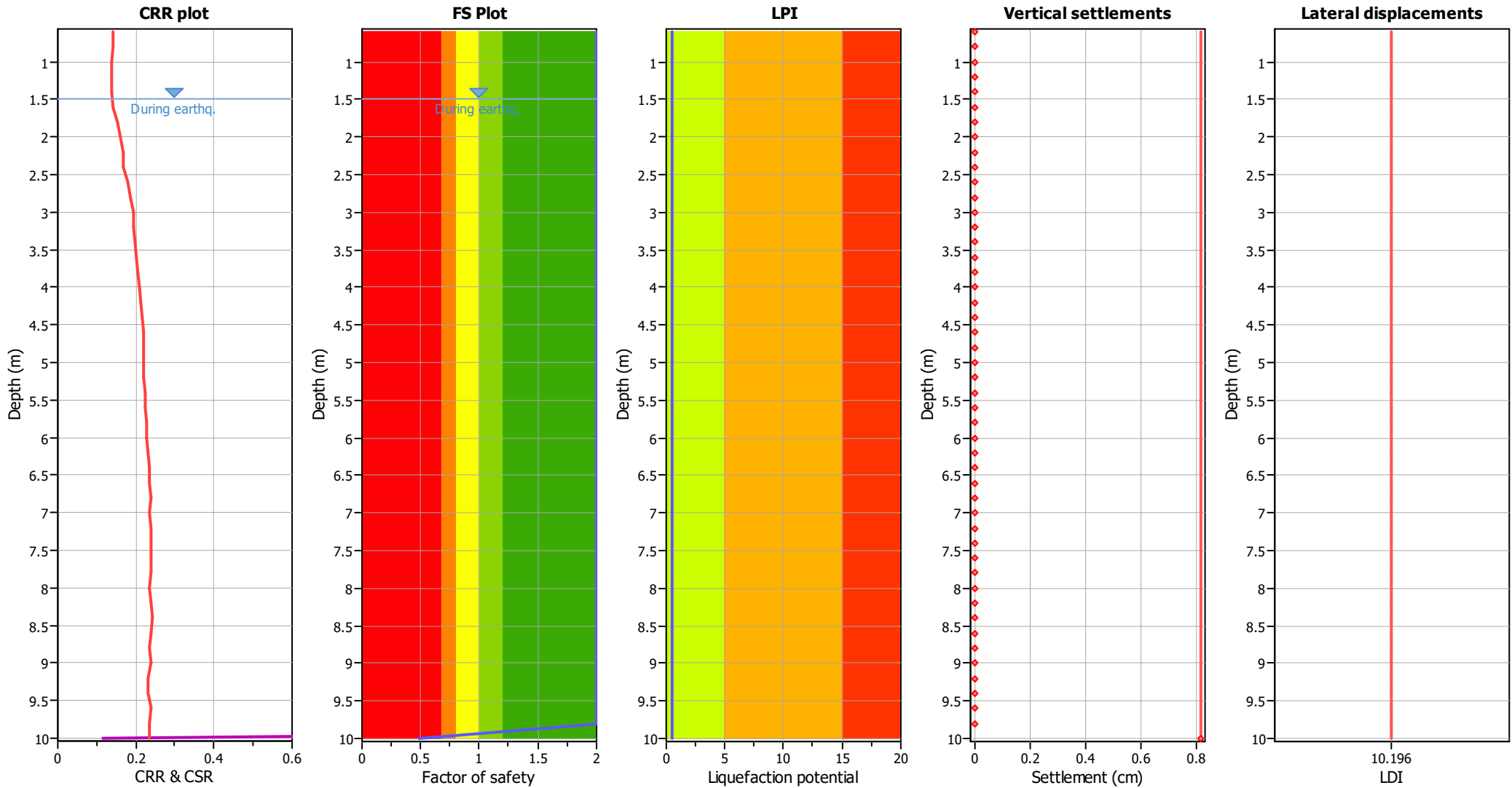
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.49	0.51	5.00	0.20	0.51

Overall liquefaction potential: 0.51

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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	20.13	2.00	0.00	1.00	0.00	2.20	15.10	2.00	0.00	1.00	0.00
2.40	32.41	2.00	0.00	1.00	0.00	2.60	17.20	2.00	0.00	1.00	0.00
2.80	13.89	2.00	0.00	1.00	0.00	3.00	10.70	2.00	0.00	1.00	0.00
3.20	19.09	2.00	0.00	1.00	0.00	3.40	20.19	2.00	0.00	1.00	0.00
3.60	22.57	2.00	0.00	1.00	0.00	3.80	20.89	2.00	0.00	1.00	0.00
4.00	19.26	2.00	0.00	1.00	0.00	4.20	21.57	2.00	0.00	1.00	0.00
4.40	18.68	2.00	0.00	1.00	0.00	4.60	15.85	2.00	0.00	1.00	0.00
4.80	20.66	2.00	0.00	1.00	0.00	5.00	21.63	2.00	0.00	1.00	0.00
5.20	24.98	2.00	0.00	1.00	0.00	5.40	18.65	2.00	0.00	1.00	0.00
5.60	23.16	2.00	0.00	1.00	0.00	5.80	18.17	2.00	0.00	1.00	0.00
6.00	20.28	2.00	0.00	1.00	0.00	6.20	14.24	2.00	0.00	1.00	0.00
6.40	14.07	2.00	0.00	1.00	0.00	6.60	10.48	2.00	0.00	1.00	0.00
6.80	10.37	2.00	0.00	1.00	0.00	7.00	18.11	2.00	0.00	1.00	0.00
7.20	10.16	2.00	0.00	1.00	0.00	7.40	8.94	2.00	0.00	1.00	0.00
7.60	9.95	2.00	0.00	1.00	0.00	7.80	10.93	2.00	0.00	1.00	0.00
8.00	19.38	2.00	0.00	1.00	0.00	8.20	11.78	2.00	0.00	1.00	0.00
8.40	9.55	2.00	0.00	1.00	0.00	8.60	17.80	2.00	0.00	1.00	0.00
8.80	19.68	2.00	0.00	1.00	0.00	9.00	16.43	2.00	0.00	1.00	0.00
9.20	28.42	2.00	0.00	1.00	0.00	9.40	27.17	2.00	0.00	1.00	0.00
9.60	16.97	2.00	0.00	1.00	0.00	9.80	22.75	2.00	0.00	1.00	0.00
10.00	78.67	0.49	4.07	1.00	0.81						

Total estimated settlement: 0.81

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

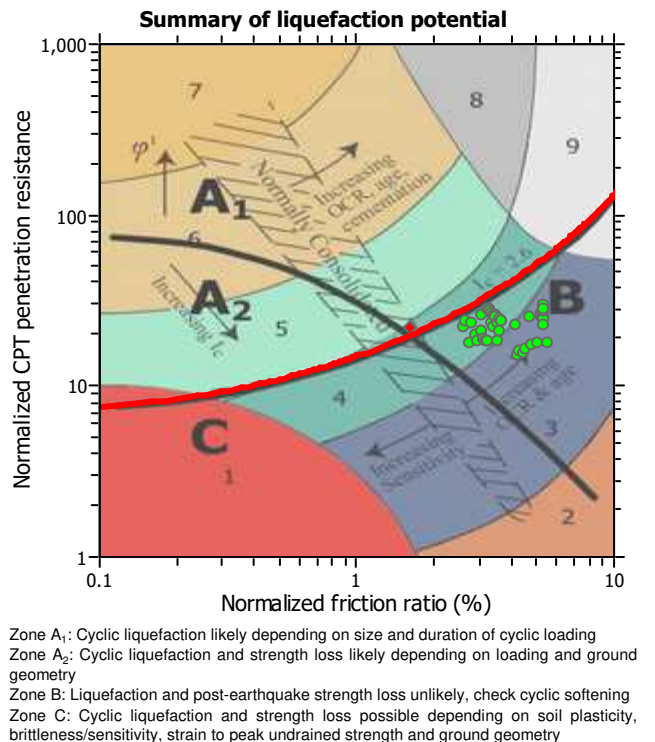
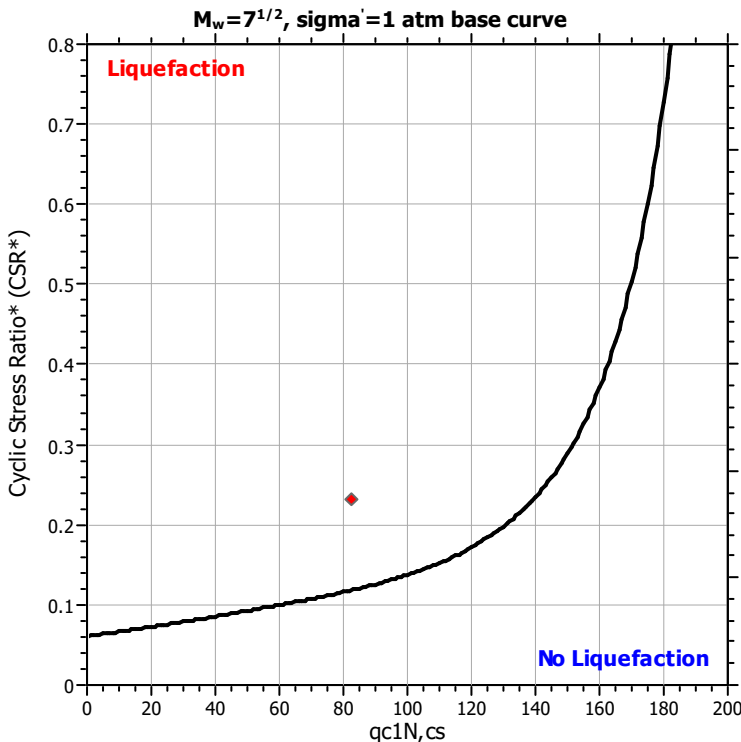
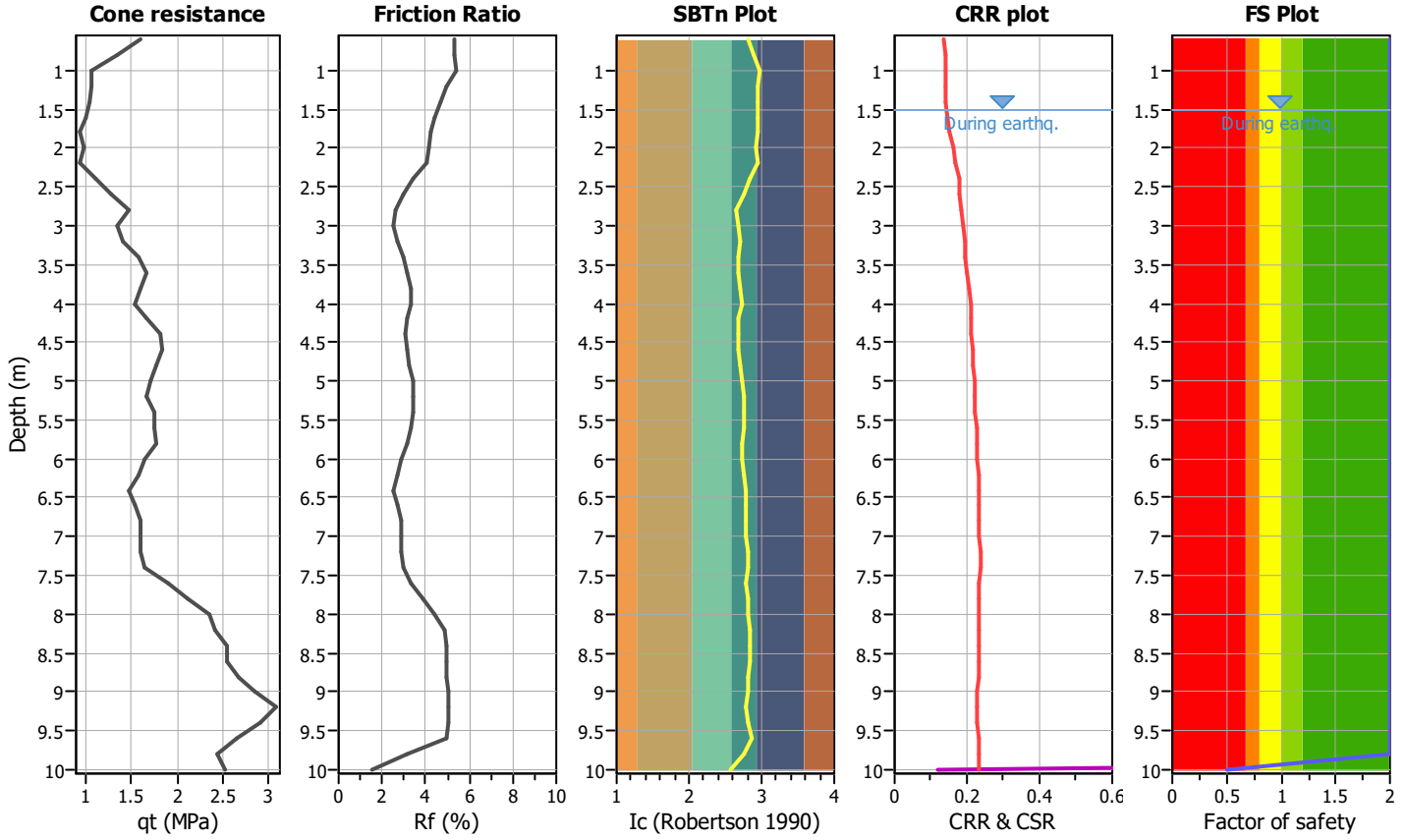
Project title :

Location :

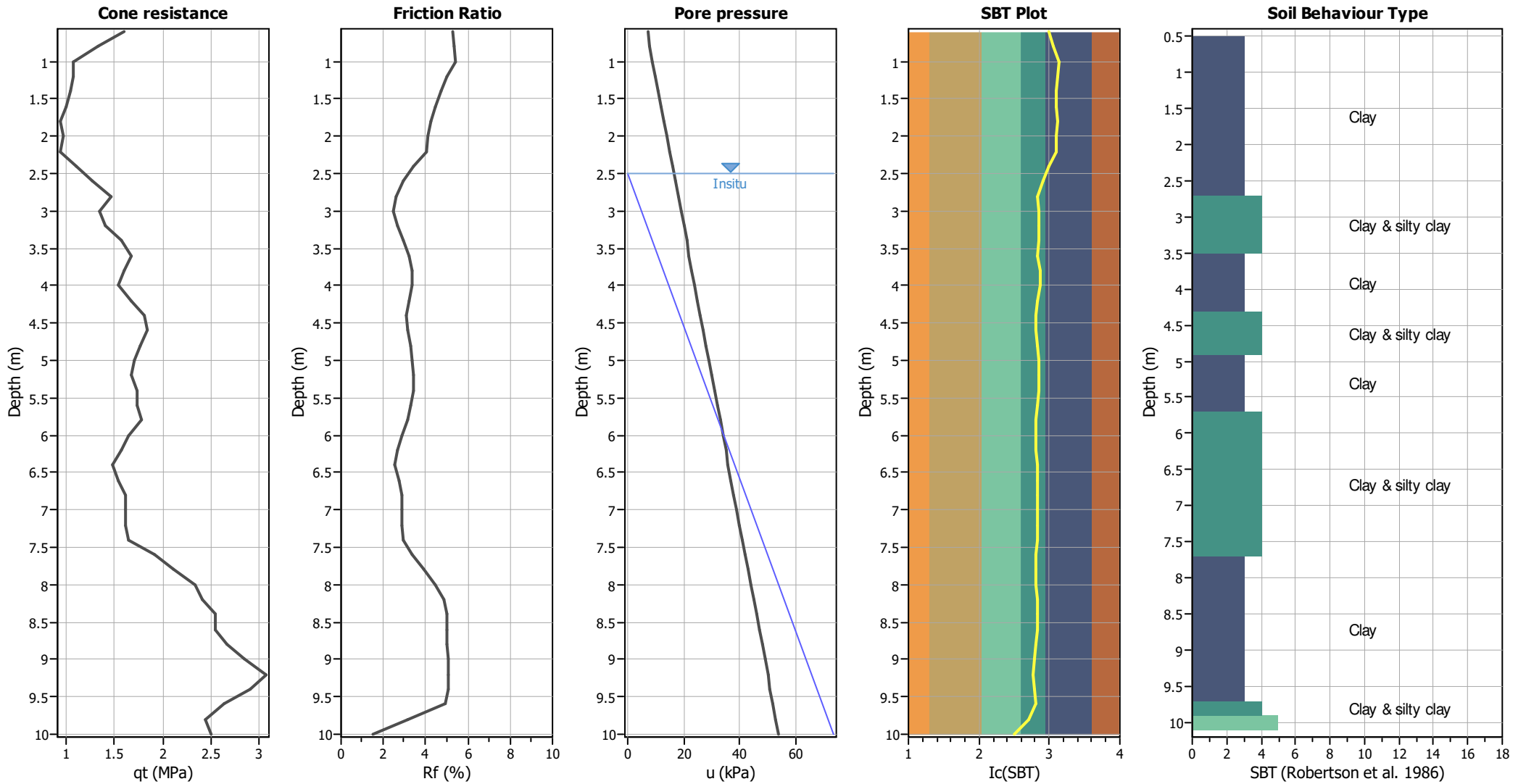
CPT file : P147_CPT138

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



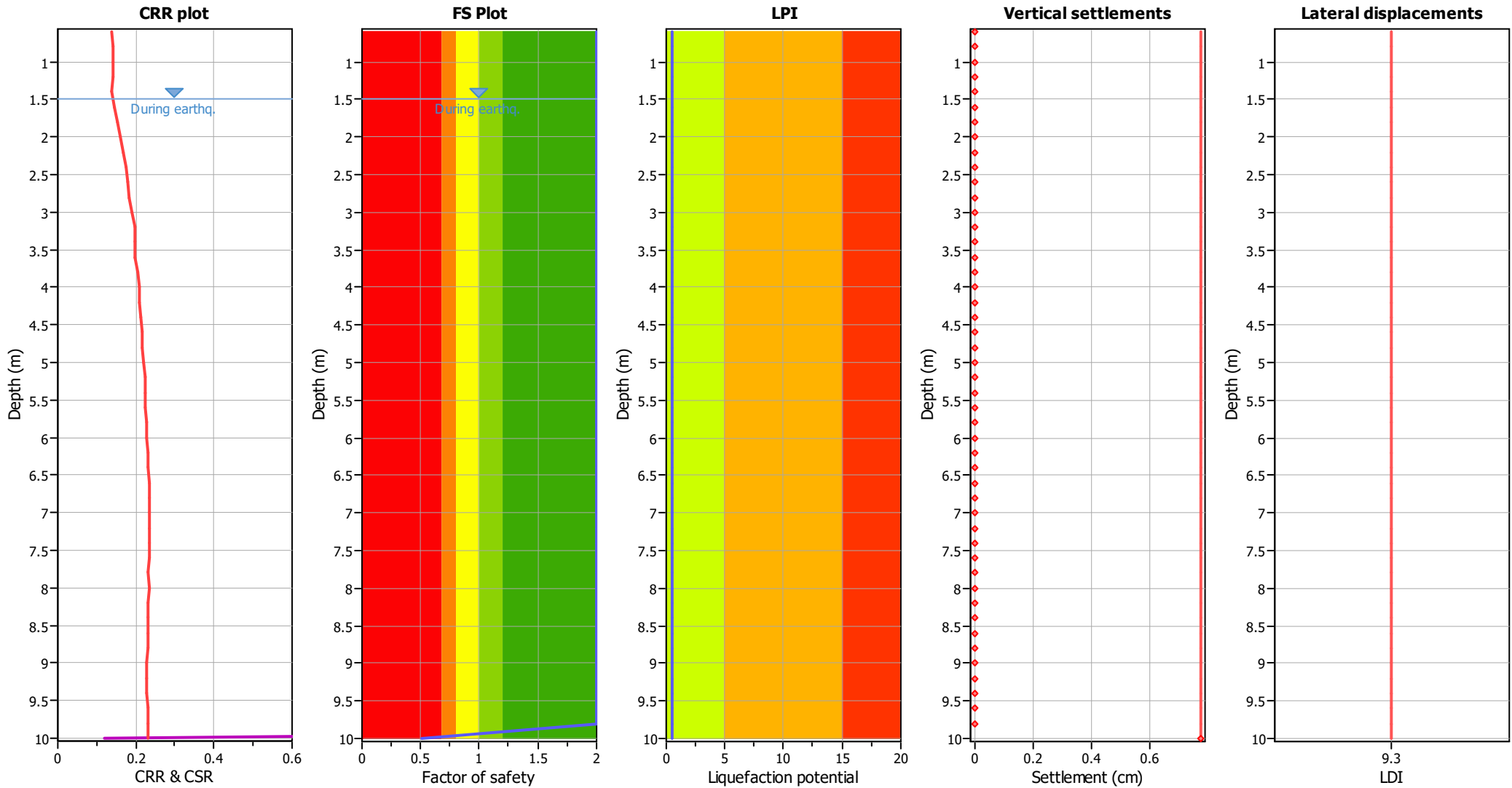
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.51	0.49	5.00	0.20	0.49

Overall liquefaction potential: 0.49

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

:: 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)
1.60	15.10	2.00	0.00	1.00	0.00	1.80	15.10	2.00	0.00	1.00	0.00
2.00	16.78	2.00	0.00	1.00	0.00	2.20	16.78	2.00	0.00	1.00	0.00
2.40	13.02	2.00	0.00	1.00	0.00	2.60	23.00	2.00	0.00	1.00	0.00
2.80	22.66	2.00	0.00	1.00	0.00	3.00	20.88	2.00	0.00	1.00	0.00
3.20	16.32	2.00	0.00	1.00	0.00	3.40	24.32	2.00	0.00	1.00	0.00
3.60	26.60	2.00	0.00	1.00	0.00	3.80	19.57	2.00	0.00	1.00	0.00
4.00	20.59	2.00	0.00	1.00	0.00	4.20	22.88	2.00	0.00	1.00	0.00
4.40	23.84	2.00	0.00	1.00	0.00	4.60	24.76	2.00	0.00	1.00	0.00
4.80	23.17	2.00	0.00	1.00	0.00	5.00	20.39	2.00	0.00	1.00	0.00
5.20	21.34	2.00	0.00	1.00	0.00	5.40	21.06	2.00	0.00	1.00	0.00
5.60	21.99	2.00	0.00	1.00	0.00	5.80	20.55	2.00	0.00	1.00	0.00
6.00	21.47	2.00	0.00	1.00	0.00	6.20	16.60	2.00	0.00	1.00	0.00
6.40	17.56	2.00	0.00	1.00	0.00	6.60	17.36	2.00	0.00	1.00	0.00
6.80	18.30	2.00	0.00	1.00	0.00	7.00	19.21	2.00	0.00	1.00	0.00
7.20	16.80	2.00	0.00	1.00	0.00	7.40	17.72	2.00	0.00	1.00	0.00
7.60	19.69	2.00	0.00	1.00	0.00	7.80	24.81	2.00	0.00	1.00	0.00
8.00	23.49	2.00	0.00	1.00	0.00	8.20	26.37	2.00	0.00	1.00	0.00
8.40	26.09	2.00	0.00	1.00	0.00	8.60	26.85	2.00	0.00	1.00	0.00
8.80	25.56	2.00	0.00	1.00	0.00	9.00	29.33	2.00	0.00	1.00	0.00
9.20	31.03	2.00	0.00	1.00	0.00	9.40	31.73	2.00	0.00	1.00	0.00
9.60	23.57	2.00	0.00	1.00	0.00	9.80	22.39	2.00	0.00	1.00	0.00
10.00	82.61	0.51	3.89	1.00	0.78						

Total estimated settlement: 0.78

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

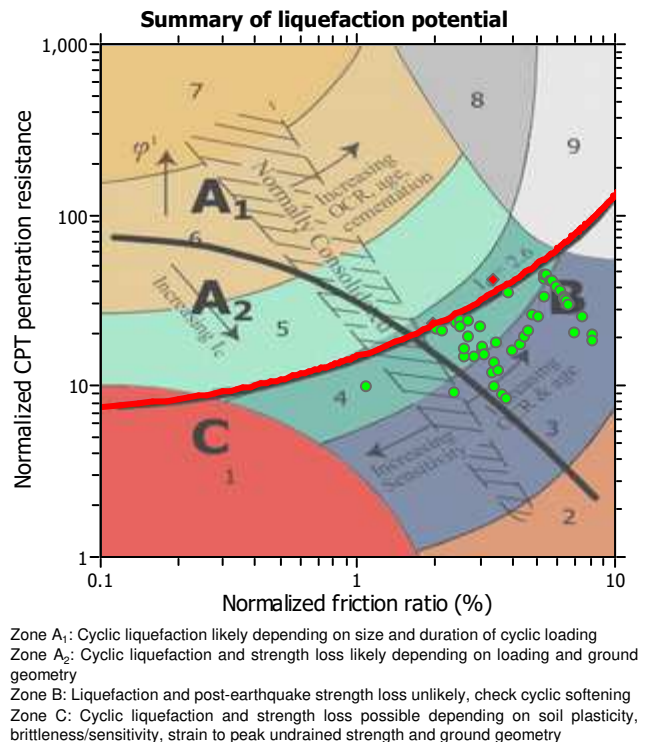
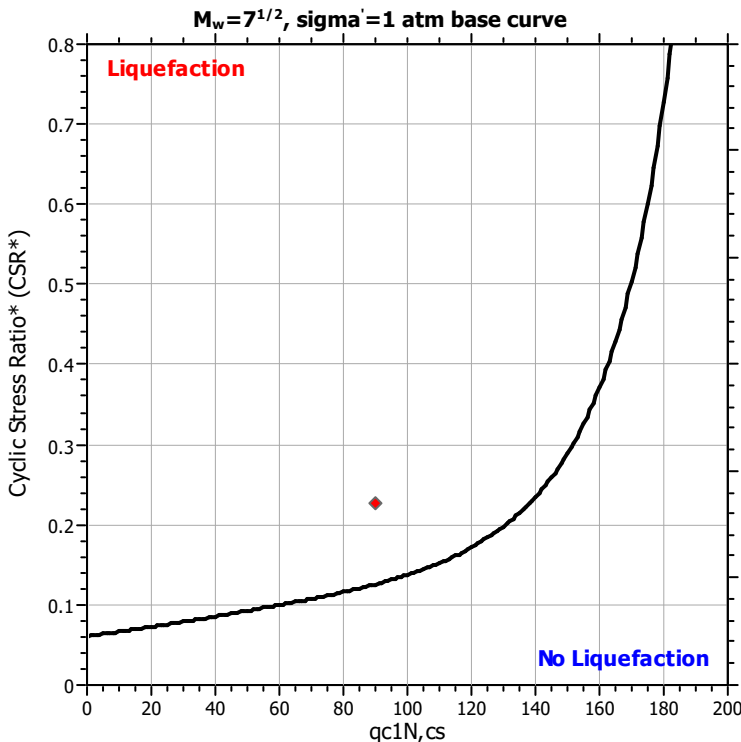
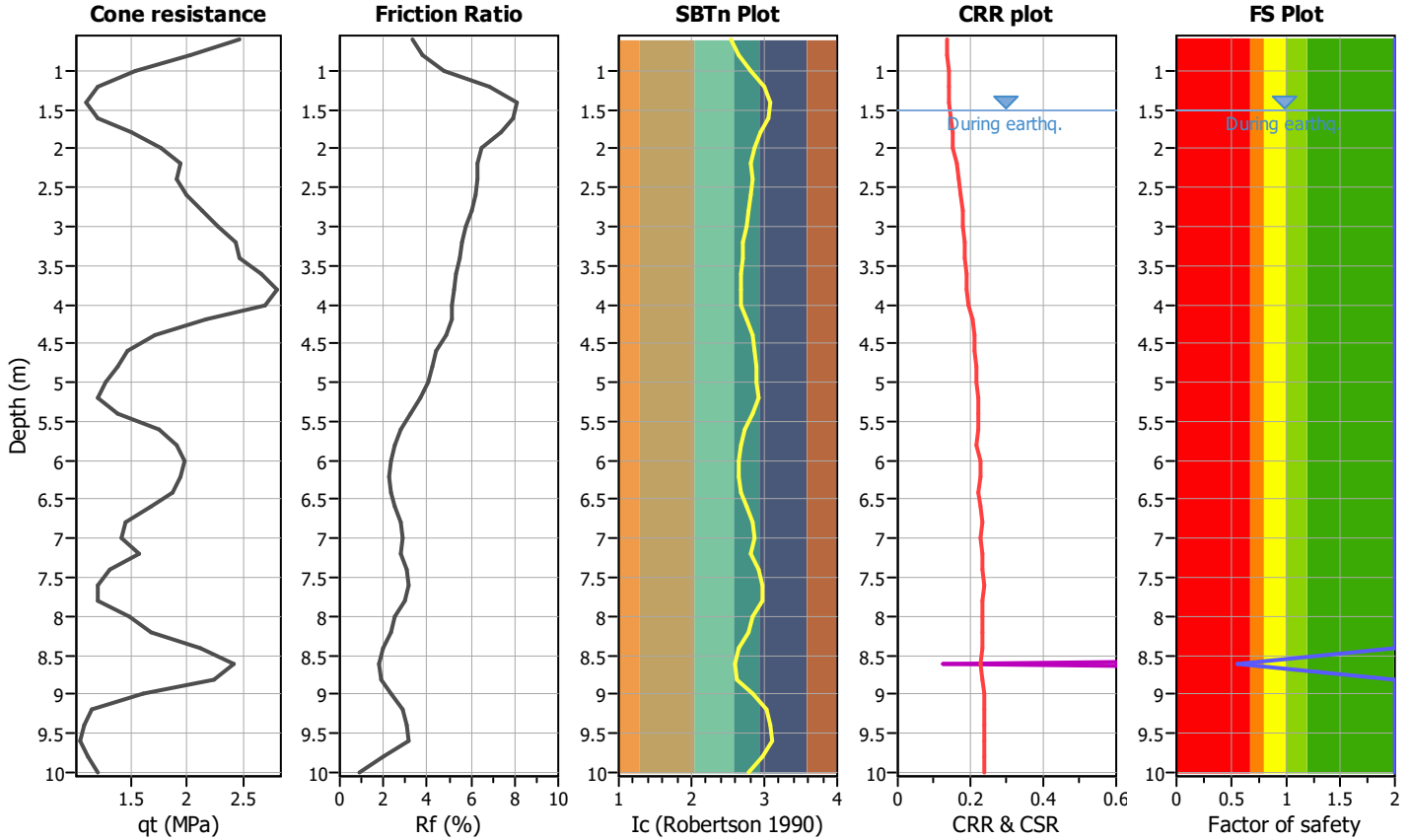
Project title :

Location :

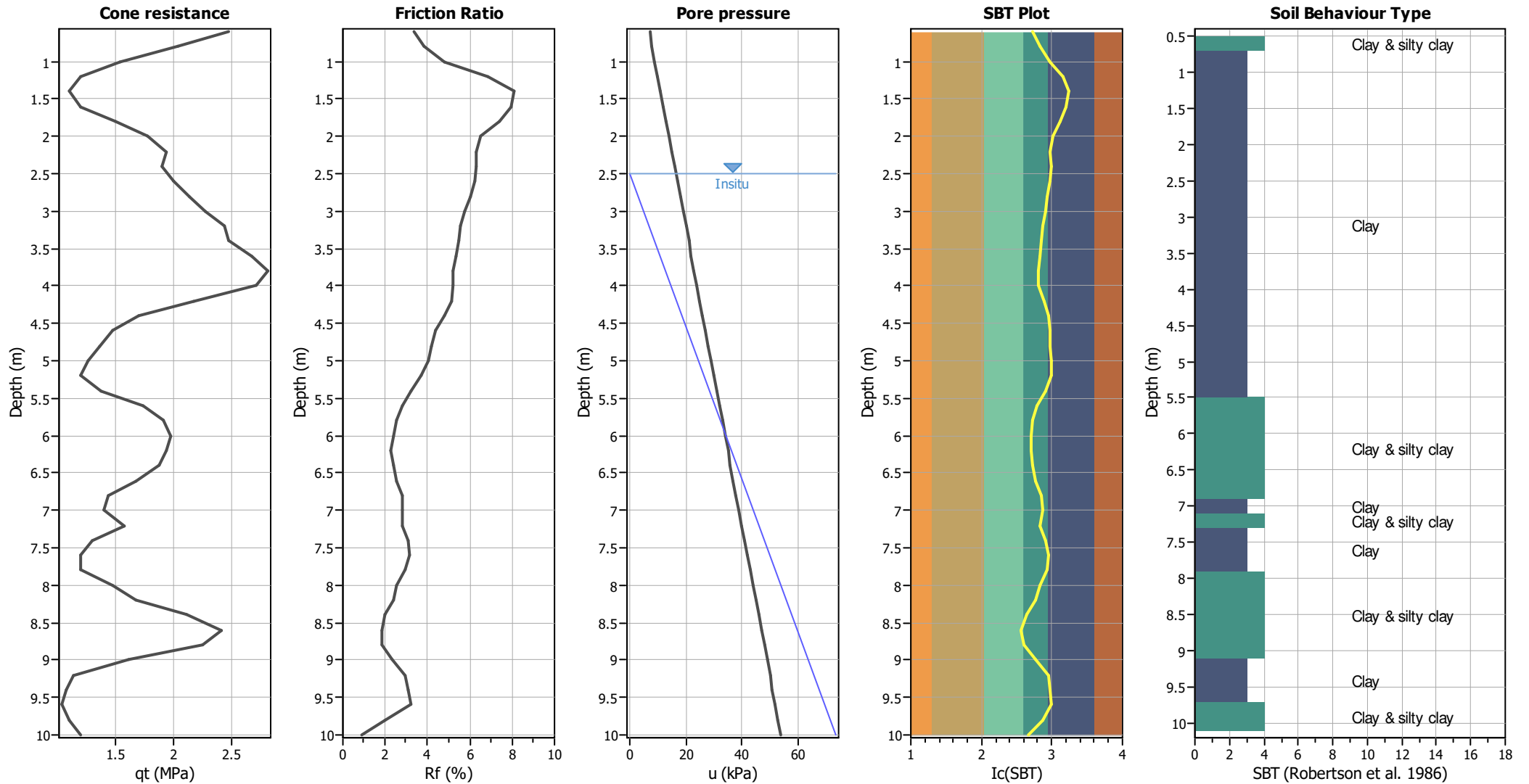
CPT file : P148_CPT139

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



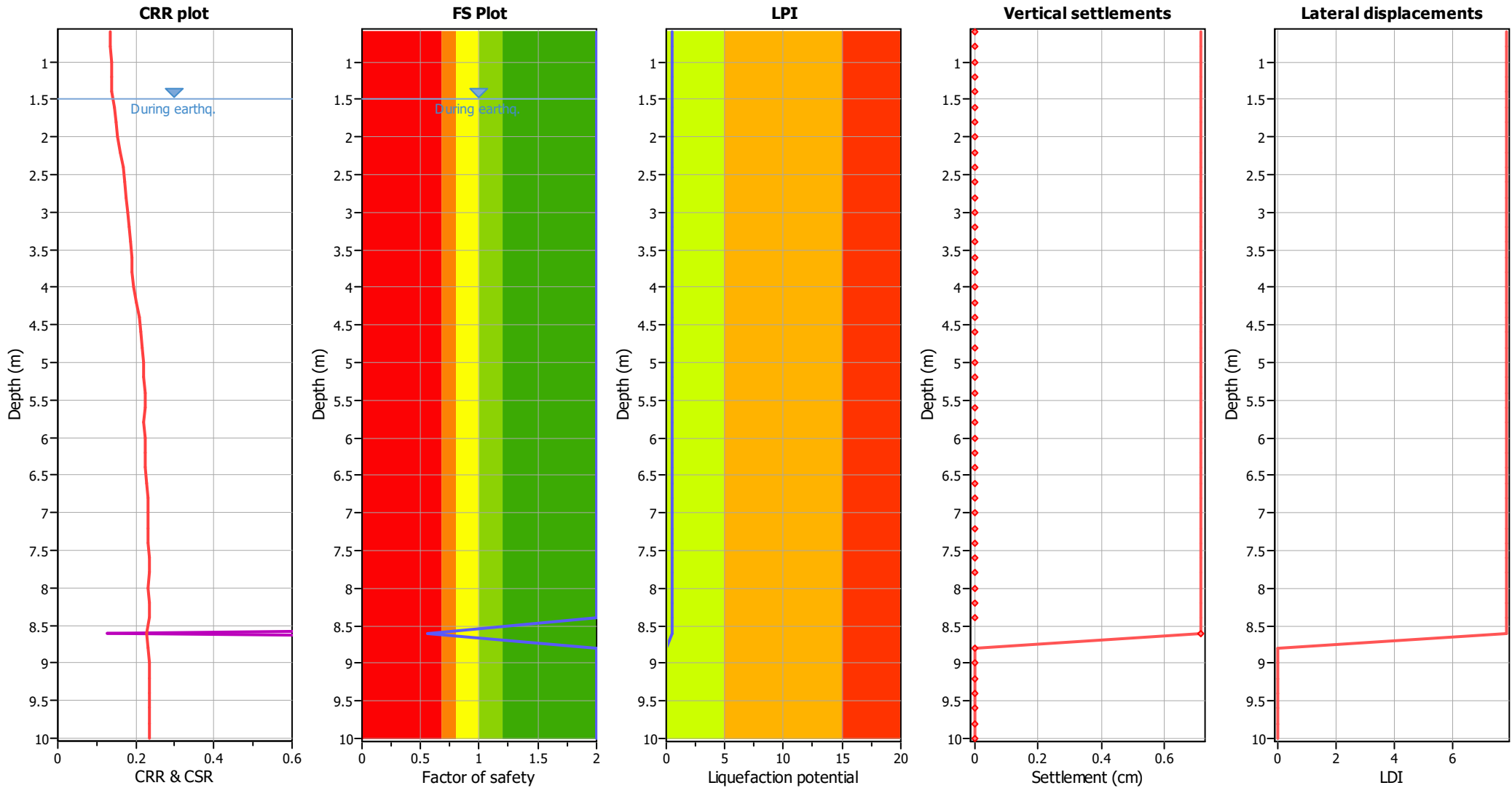
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	0.55	0.45	5.70	0.20	0.51	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.51

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

:: 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)
1.60	16.78	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	34.51	2.00	0.00	1.00	0.00	2.20	28.65	2.00	0.00	1.00	0.00
2.40	28.86	2.00	0.00	1.00	0.00	2.60	29.40	2.00	0.00	1.00	0.00
2.80	30.23	2.00	0.00	1.00	0.00	3.00	32.36	2.00	0.00	1.00	0.00
3.20	33.14	2.00	0.00	1.00	0.00	3.40	35.14	2.00	0.00	1.00	0.00
3.60	32.08	2.00	0.00	1.00	0.00	3.80	38.99	2.00	0.00	1.00	0.00
4.00	38.42	2.00	0.00	1.00	0.00	4.20	26.94	2.00	0.00	1.00	0.00
4.40	17.94	2.00	0.00	1.00	0.00	4.60	20.15	2.00	0.00	1.00	0.00
4.80	17.46	2.00	0.00	1.00	0.00	5.00	13.62	2.00	0.00	1.00	0.00
5.20	15.84	2.00	0.00	1.00	0.00	5.40	14.48	2.00	0.00	1.00	0.00
5.60	18.98	2.00	0.00	1.00	0.00	5.80	27.89	2.00	0.00	1.00	0.00
6.00	19.70	2.00	0.00	1.00	0.00	6.20	20.61	2.00	0.00	1.00	0.00
6.40	25.92	2.00	0.00	1.00	0.00	6.60	16.84	2.00	0.00	1.00	0.00
6.80	13.37	2.00	0.00	1.00	0.00	7.00	17.58	2.00	0.00	1.00	0.00
7.20	15.25	2.00	0.00	1.00	0.00	7.40	18.30	2.00	0.00	1.00	0.00
7.60	8.57	2.00	0.00	1.00	0.00	7.80	11.66	2.00	0.00	1.00	0.00
8.00	17.81	2.00	0.00	1.00	0.00	8.20	16.61	2.00	0.00	1.00	0.00
8.40	17.49	2.00	0.00	1.00	0.00	8.60	90.04	0.55	3.57	1.00	0.71
8.80	25.22	2.00	0.00	1.00	0.00	9.00	12.02	2.00	0.00	1.00	0.00
9.20	10.93	2.00	0.00	1.00	0.00	9.40	10.84	2.00	0.00	1.00	0.00
9.60	9.77	2.00	0.00	1.00	0.00	9.80	9.70	2.00	0.00	1.00	0.00
10.00	12.52	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.71

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

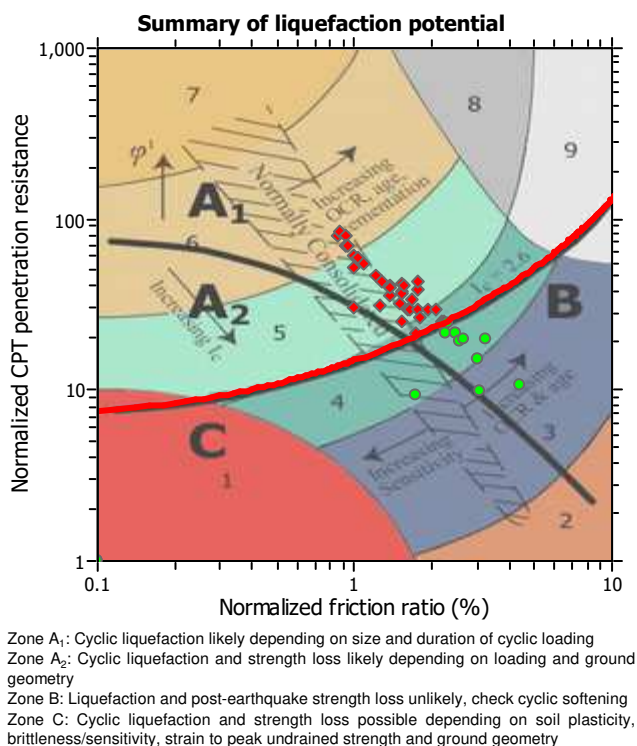
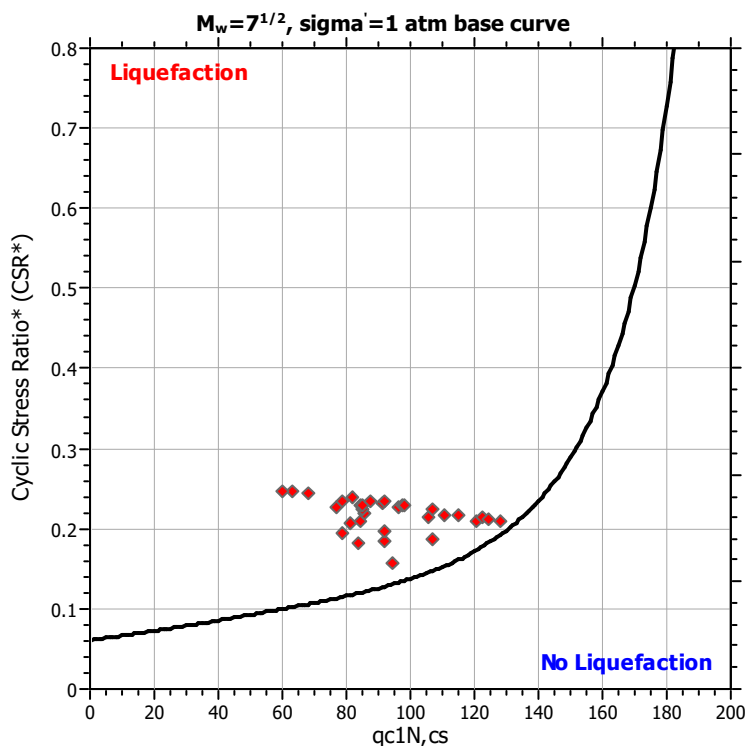
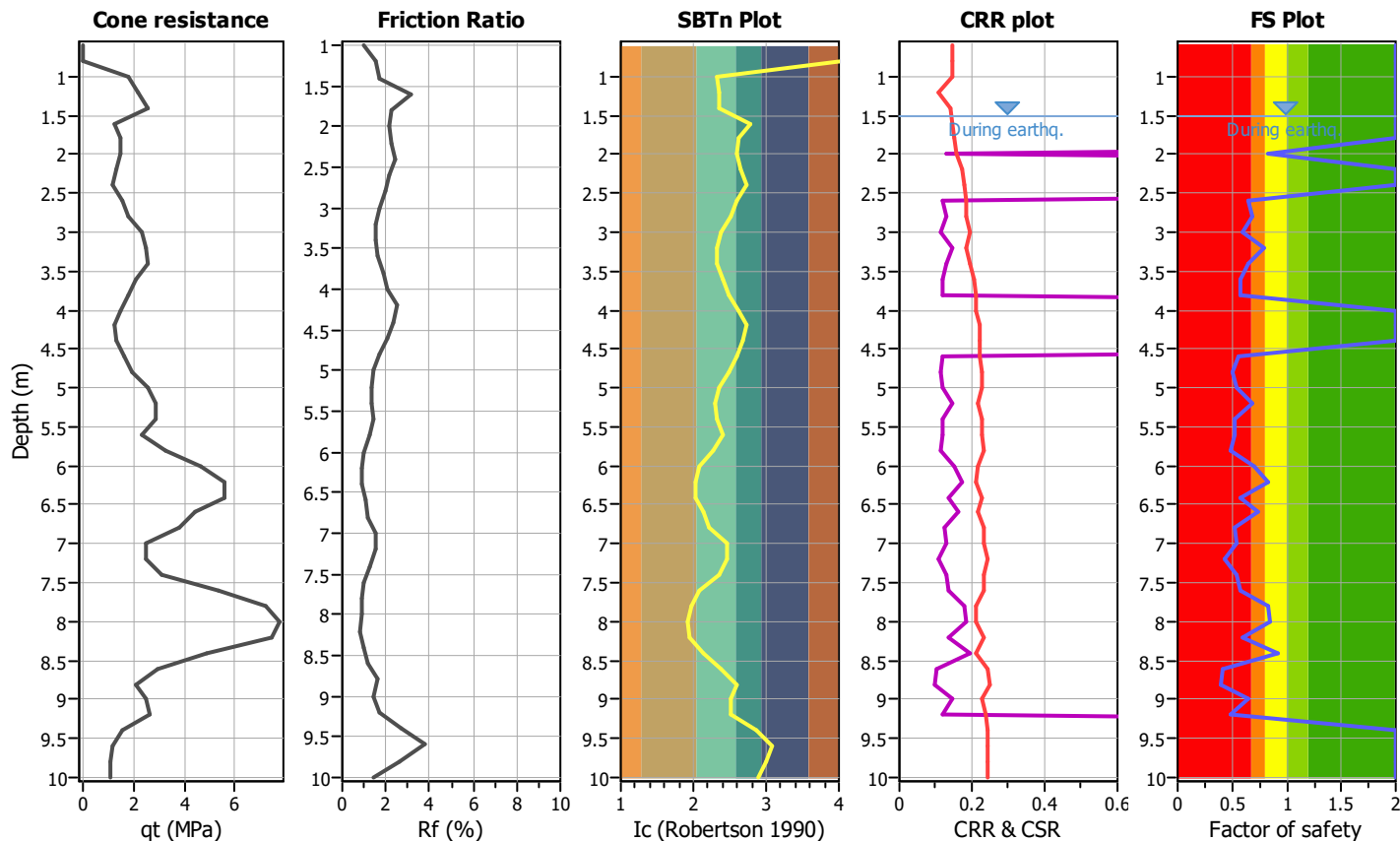
Project title :

Location :

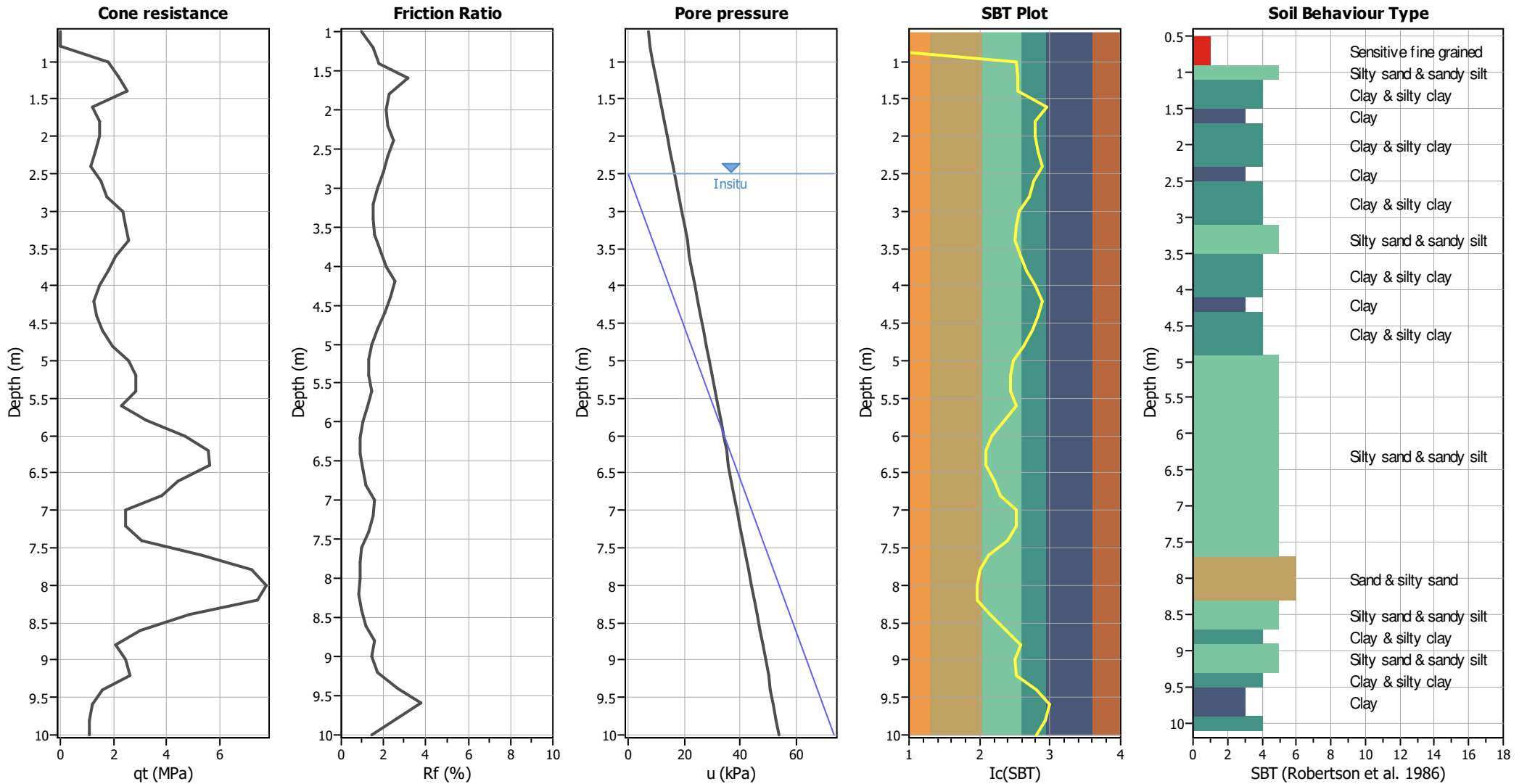
CPT file : P149_CPT140

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



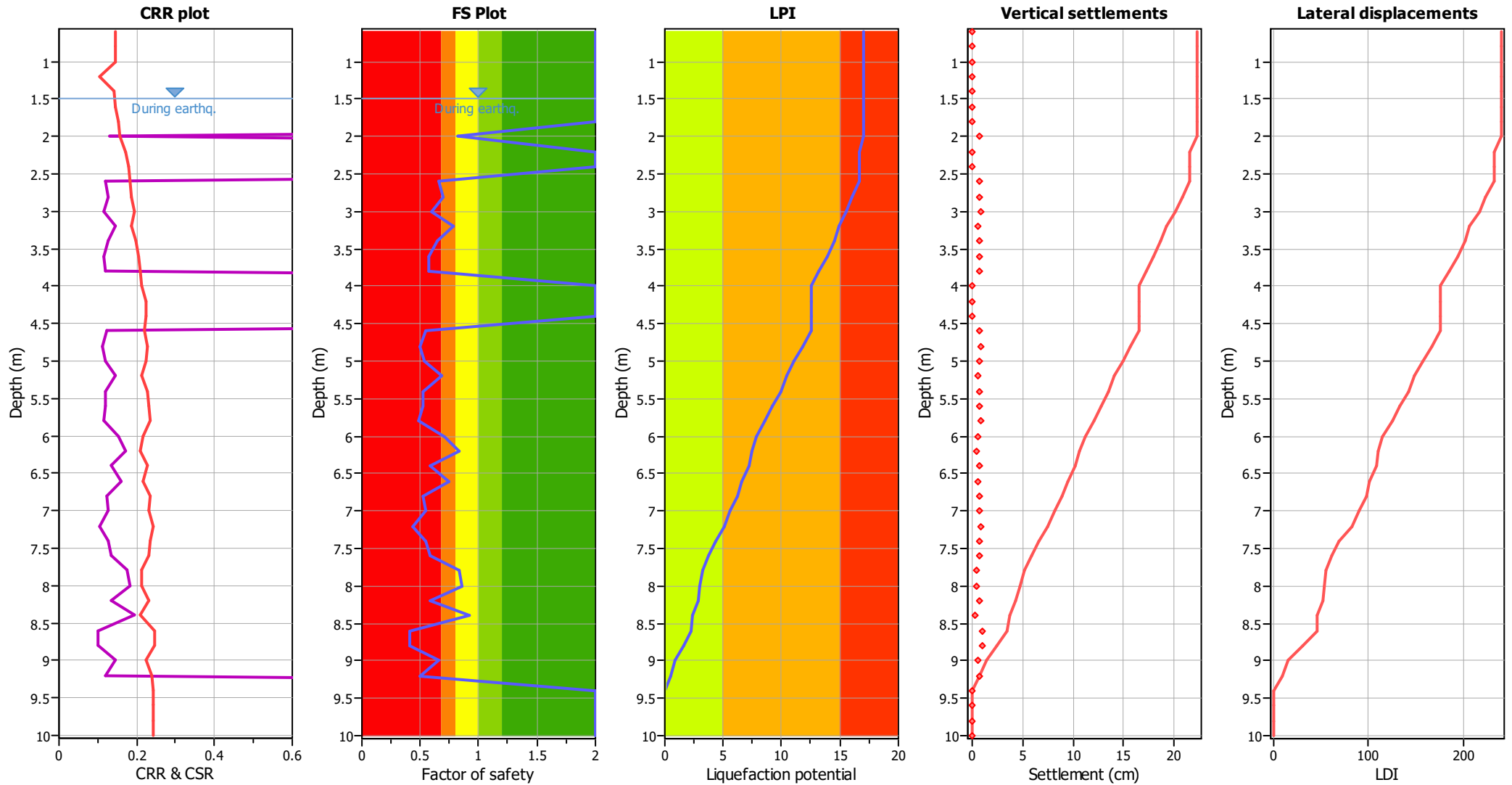
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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_d applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	0.82	0.18	9.00	0.20	0.32
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	0.66	0.34	8.70	0.20	0.60	2.80	0.69	0.31	8.60	0.20	0.53
3.00	0.59	0.41	8.50	0.20	0.69	3.20	0.79	0.21	8.40	0.20	0.36
3.40	0.65	0.35	8.30	0.20	0.58	3.60	0.57	0.43	8.20	0.20	0.71
3.80	0.58	0.42	8.10	0.20	0.69	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	0.55	0.45	7.70	0.20	0.69	4.80	0.50	0.50	7.60	0.20	0.76
5.00	0.54	0.46	7.50	0.20	0.69	5.20	0.68	0.32	7.40	0.20	0.47
5.40	0.52	0.48	7.30	0.20	0.69	5.60	0.52	0.48	7.20	0.20	0.68
5.80	0.49	0.51	7.10	0.20	0.73	6.00	0.71	0.29	7.00	0.20	0.41
6.20	0.83	0.17	6.90	0.20	0.24	6.40	0.58	0.42	6.80	0.20	0.57
6.60	0.75	0.25	6.70	0.20	0.34	6.80	0.53	0.47	6.60	0.20	0.63
7.00	0.55	0.45	6.50	0.20	0.59	7.20	0.43	0.57	6.40	0.20	0.72
7.40	0.55	0.45	6.30	0.20	0.57	7.60	0.58	0.42	6.20	0.20	0.52
7.80	0.83	0.17	6.10	0.20	0.21	8.00	0.86	0.14	6.00	0.20	0.17
8.20	0.59	0.41	5.90	0.20	0.49	8.40	0.92	0.08	5.80	0.20	0.09
8.60	0.42	0.58	5.70	0.20	0.67	8.80	0.40	0.60	5.60	0.20	0.67
9.00	0.65	0.35	5.50	0.20	0.38	9.20	0.49	0.51	5.40	0.20	0.55
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 17.00

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

:: 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)
1.60	16.78	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	94.12	0.82	3.42	1.00	0.68	2.20	16.78	2.00	0.00	1.00	0.00
2.40	15.10	2.00	0.00	1.00	0.00	2.60	83.89	0.66	3.83	1.00	0.77
2.80	91.58	0.69	3.51	1.00	0.70	3.00	78.86	0.59	4.06	1.00	0.81
3.20	106.61	0.79	3.01	1.00	0.60	3.40	91.79	0.65	3.50	1.00	0.70
3.60	81.53	0.57	3.94	1.00	0.79	3.80	84.49	0.58	3.80	1.00	0.76
4.00	24.21	2.00	0.00	1.00	0.00	4.20	11.53	2.00	0.00	1.00	0.00
4.40	16.83	2.00	0.00	1.00	0.00	4.60	85.64	0.55	3.75	1.00	0.75
4.80	76.71	0.50	4.17	1.00	0.83	5.00	84.95	0.54	3.78	1.00	0.76
5.20	105.89	0.68	3.03	1.00	0.61	5.40	84.22	0.52	3.81	1.00	0.76
5.60	84.92	0.52	3.78	1.00	0.76	5.80	78.47	0.49	4.08	1.00	0.82
6.00	110.80	0.71	2.89	1.00	0.58	6.20	120.73	0.83	2.38	1.00	0.48
6.40	96.19	0.58	3.34	1.00	0.67	6.60	114.87	0.75	2.78	1.00	0.56
6.80	87.52	0.53	3.67	1.00	0.73	7.00	91.54	0.55	3.51	1.00	0.70
7.20	67.98	0.43	4.67	1.00	0.93	7.40	91.99	0.55	3.50	1.00	0.70
7.60	97.55	0.58	3.30	1.00	0.66	7.80	122.20	0.83	2.27	1.00	0.45
8.00	124.20	0.86	1.90	1.00	0.38	8.20	98.19	0.59	3.27	1.00	0.65
8.40	128.23	0.92	1.40	1.00	0.28	8.60	63.27	0.42	4.99	1.00	1.00
8.80	60.29	0.40	5.21	1.00	1.04	9.00	106.78	0.65	3.00	1.00	0.60
9.20	81.66	0.49	3.93	1.00	0.79	9.40	12.36	2.00	0.00	1.00	0.00
9.60	11.23	2.00	0.00	1.00	0.00	9.80	12.14	2.00	0.00	1.00	0.00
10.00	10.04	2.00	0.00	1.00	0.00						

Total estimated settlement: 22.30

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

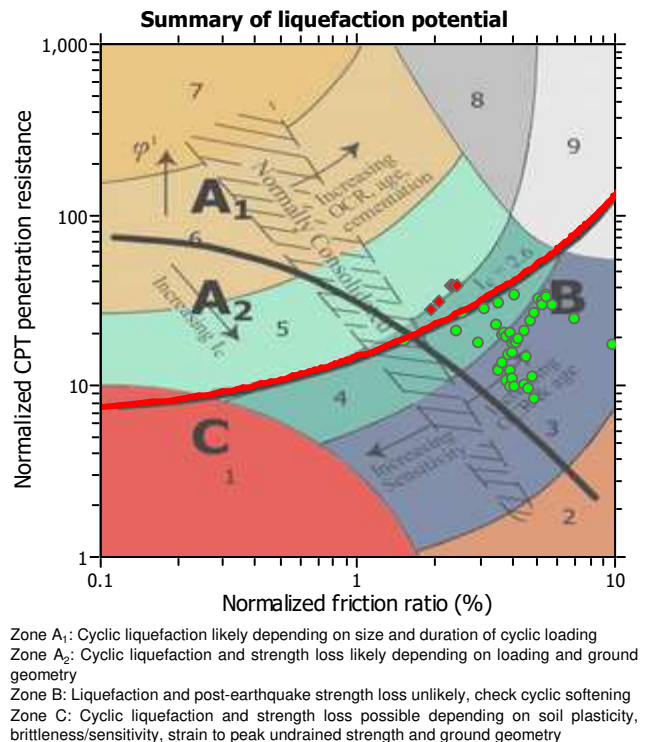
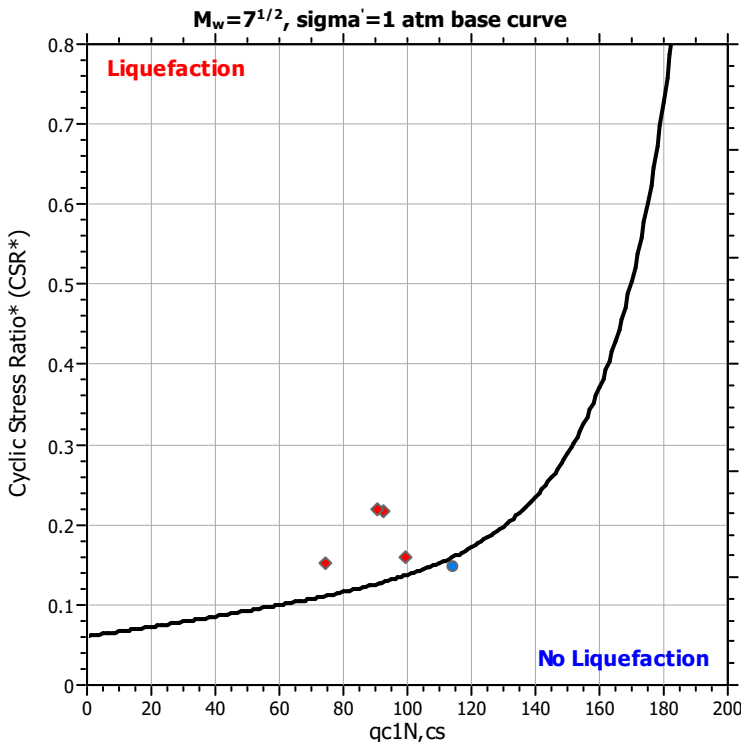
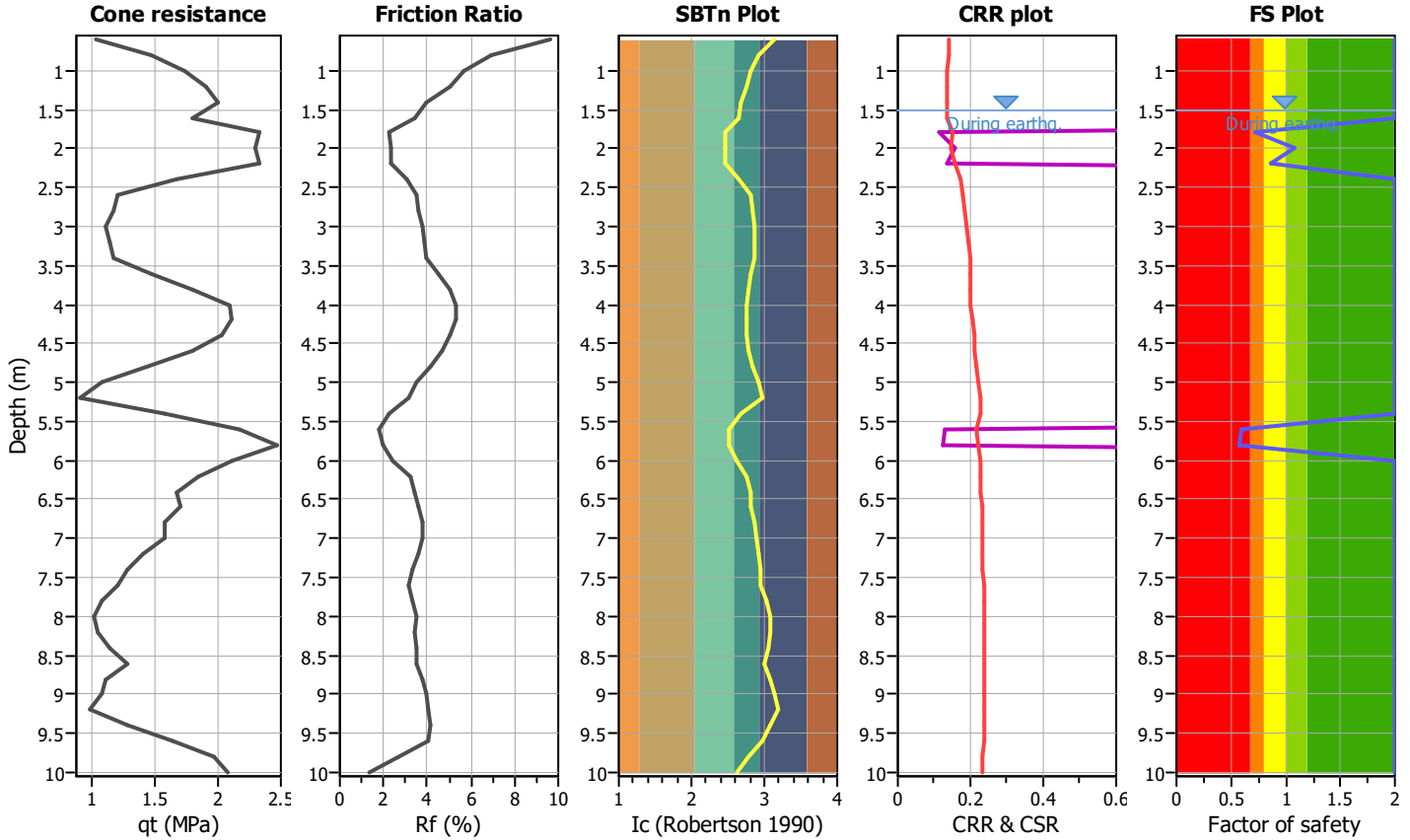
Project title :

Location :

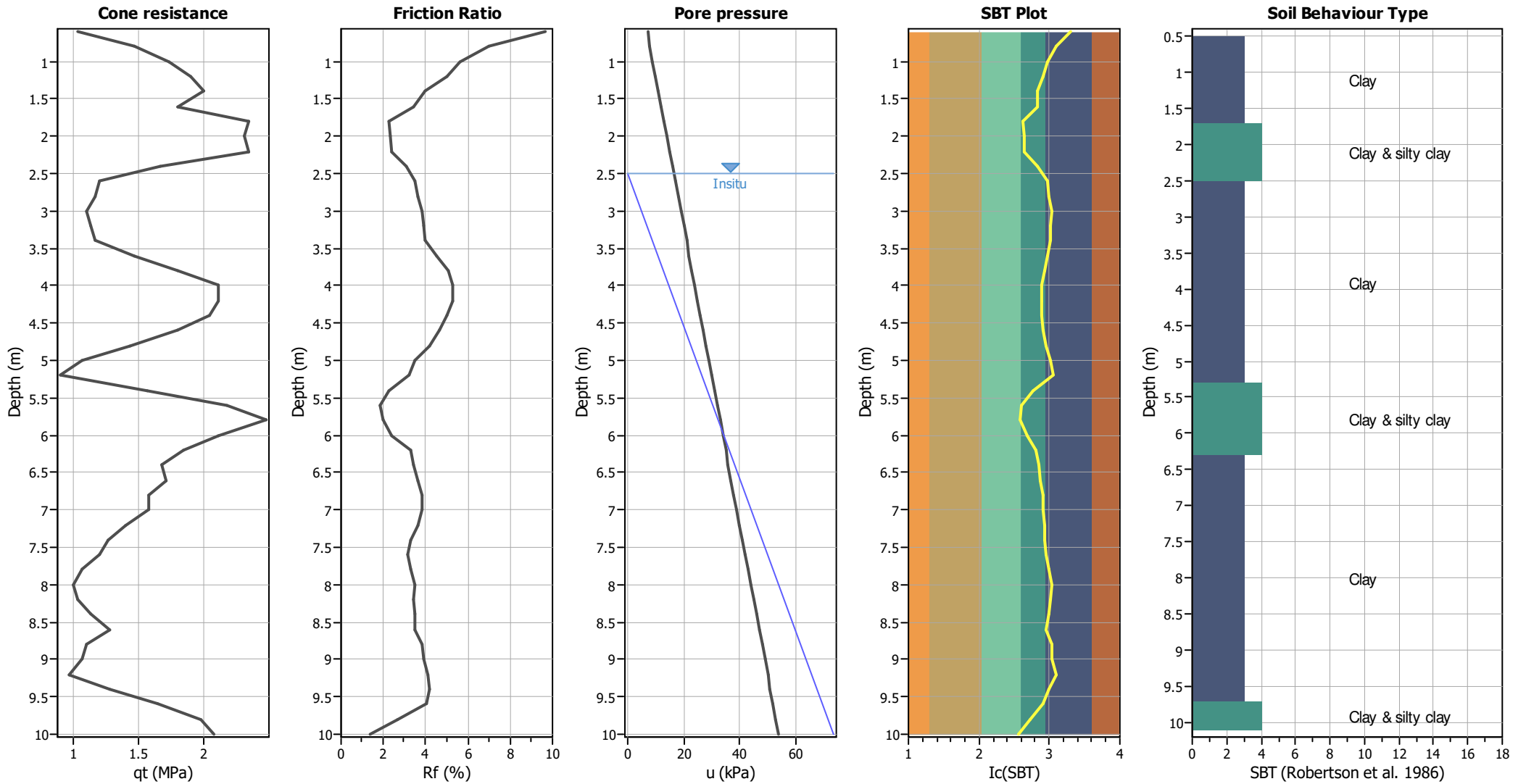
CPT file : P111_CPT102

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



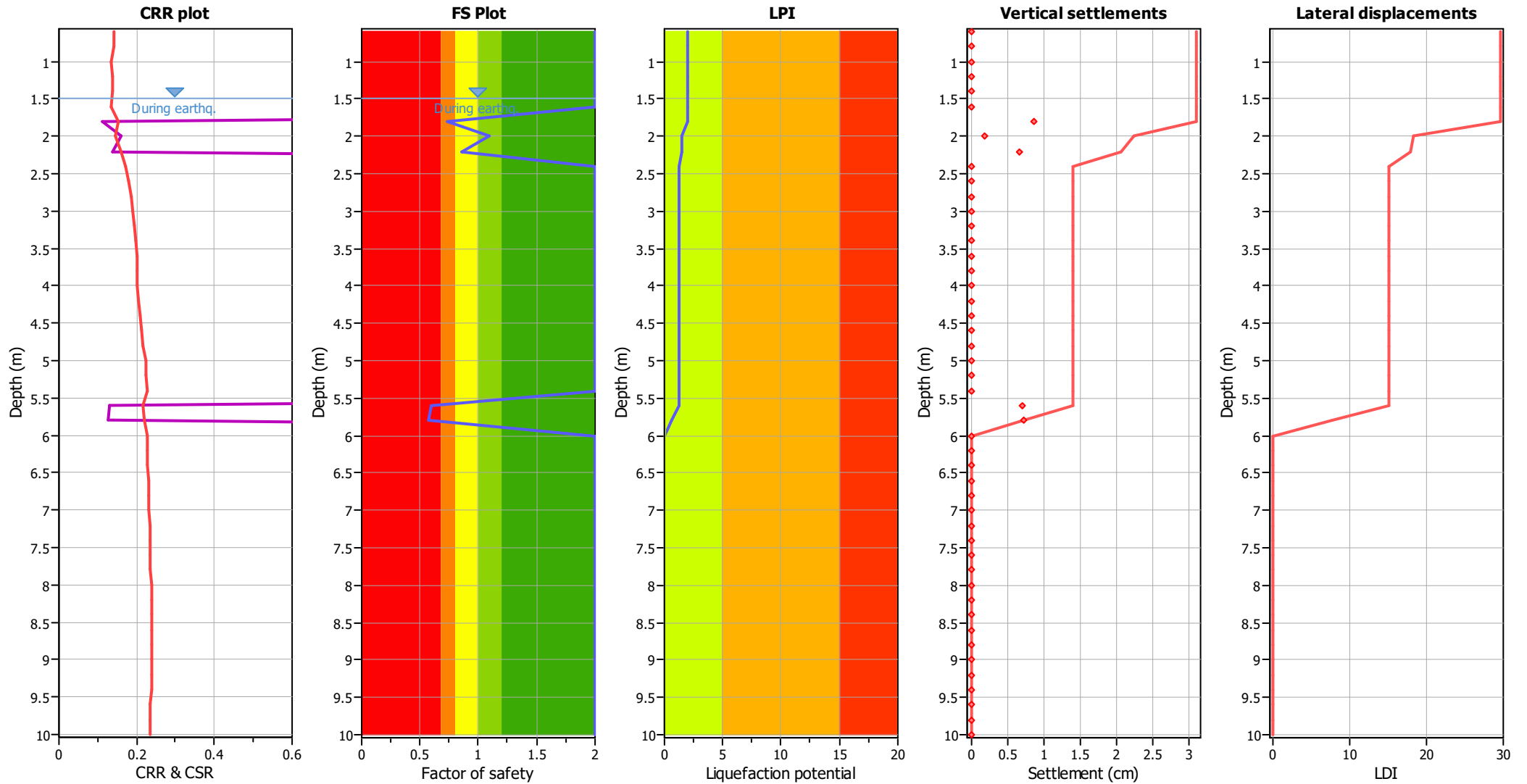
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	0.73	0.27	9.10	0.20	0.50	2.00	1.09	0.00	9.00	0.20	0.00
2.20	0.86	0.14	8.90	0.20	0.25	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	0.59	0.41	7.20	0.20	0.59
5.80	0.57	0.43	7.10	0.20	0.61	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 1.94

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

:: 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)
1.60	43.62	2.00	0.00	1.00	0.00	1.80	74.38	0.73	4.30	1.00	0.86
2.00	114.11	1.09	0.89	1.00	0.18	2.20	99.13	0.86	3.24	1.00	0.65
2.40	20.43	2.00	0.00	1.00	0.00	2.60	18.33	2.00	0.00	1.00	0.00
2.80	16.58	2.00	0.00	1.00	0.00	3.00	17.71	2.00	0.00	1.00	0.00
3.20	14.62	2.00	0.00	1.00	0.00	3.40	17.15	2.00	0.00	1.00	0.00
3.60	18.23	2.00	0.00	1.00	0.00	3.80	25.80	2.00	0.00	1.00	0.00
4.00	29.21	2.00	0.00	1.00	0.00	4.20	28.77	2.00	0.00	1.00	0.00
4.40	24.63	2.00	0.00	1.00	0.00	4.60	25.51	2.00	0.00	1.00	0.00
4.80	19.05	2.00	0.00	1.00	0.00	5.00	10.17	2.00	0.00	1.00	0.00
5.20	11.28	2.00	0.00	1.00	0.00	5.40	12.39	2.00	0.00	1.00	0.00
5.60	92.67	0.59	3.47	1.00	0.69	5.80	90.34	0.57	3.56	1.00	0.71
6.00	22.39	2.00	0.00	1.00	0.00	6.20	19.82	2.00	0.00	1.00	0.00
6.40	21.85	2.00	0.00	1.00	0.00	6.60	16.00	2.00	0.00	1.00	0.00
6.80	20.26	2.00	0.00	1.00	0.00	7.00	16.74	2.00	0.00	1.00	0.00
7.20	15.47	2.00	0.00	1.00	0.00	7.40	14.23	2.00	0.00	1.00	0.00
7.60	11.94	2.00	0.00	1.00	0.00	7.80	12.89	2.00	0.00	1.00	0.00
8.00	9.59	2.00	0.00	1.00	0.00	8.20	9.50	2.00	0.00	1.00	0.00
8.40	13.57	2.00	0.00	1.00	0.00	8.60	12.42	2.00	0.00	1.00	0.00
8.80	13.33	2.00	0.00	1.00	0.00	9.00	8.14	2.00	0.00	1.00	0.00
9.20	11.08	2.00	0.00	1.00	0.00	9.40	9.98	2.00	0.00	1.00	0.00
9.60	16.81	2.00	0.00	1.00	0.00	9.80	21.57	2.00	0.00	1.00	0.00
10.00	19.45	2.00	0.00	1.00	0.00						

Total estimated settlement: 3.09

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

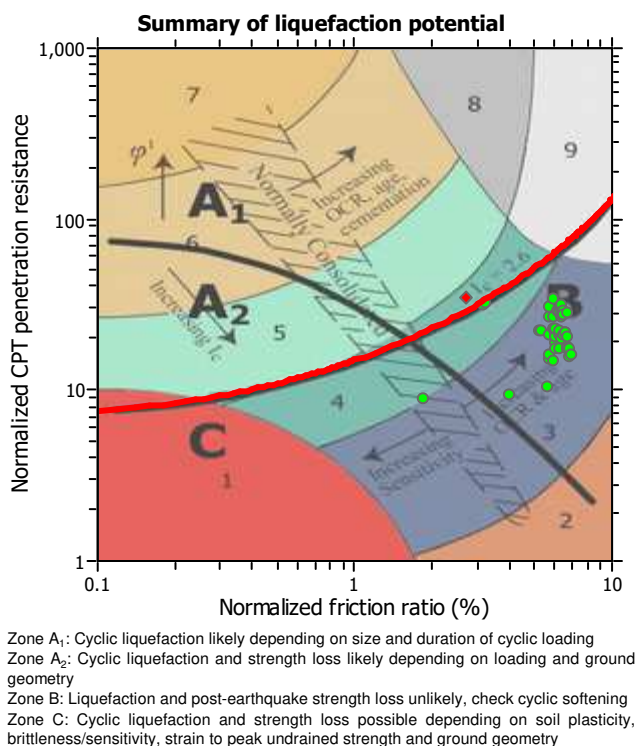
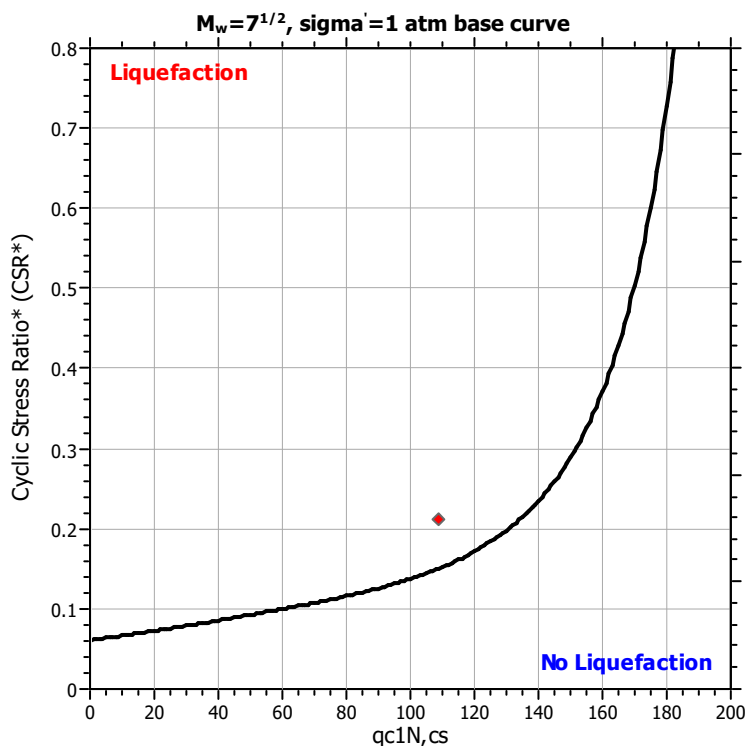
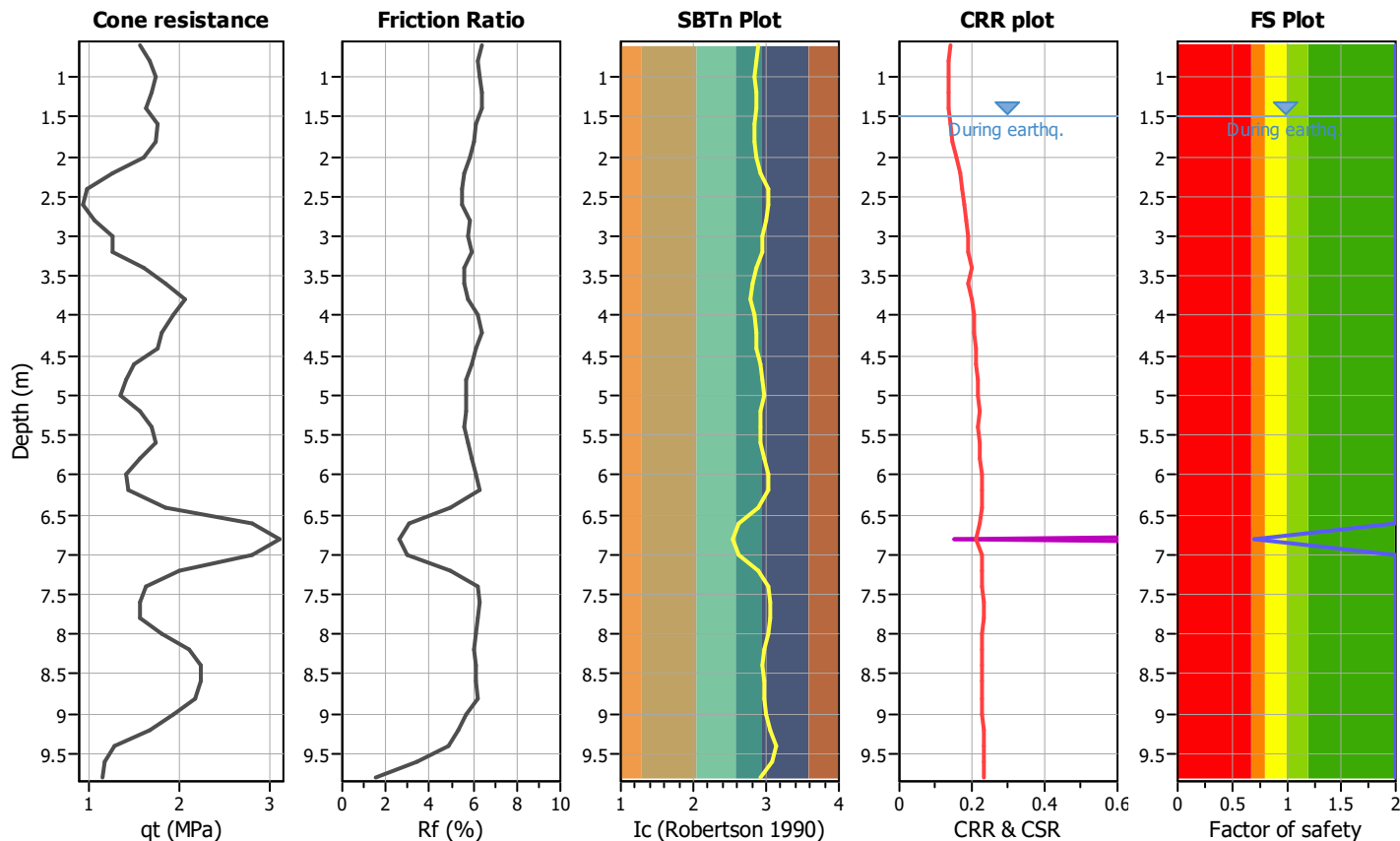
Project title :

Location :

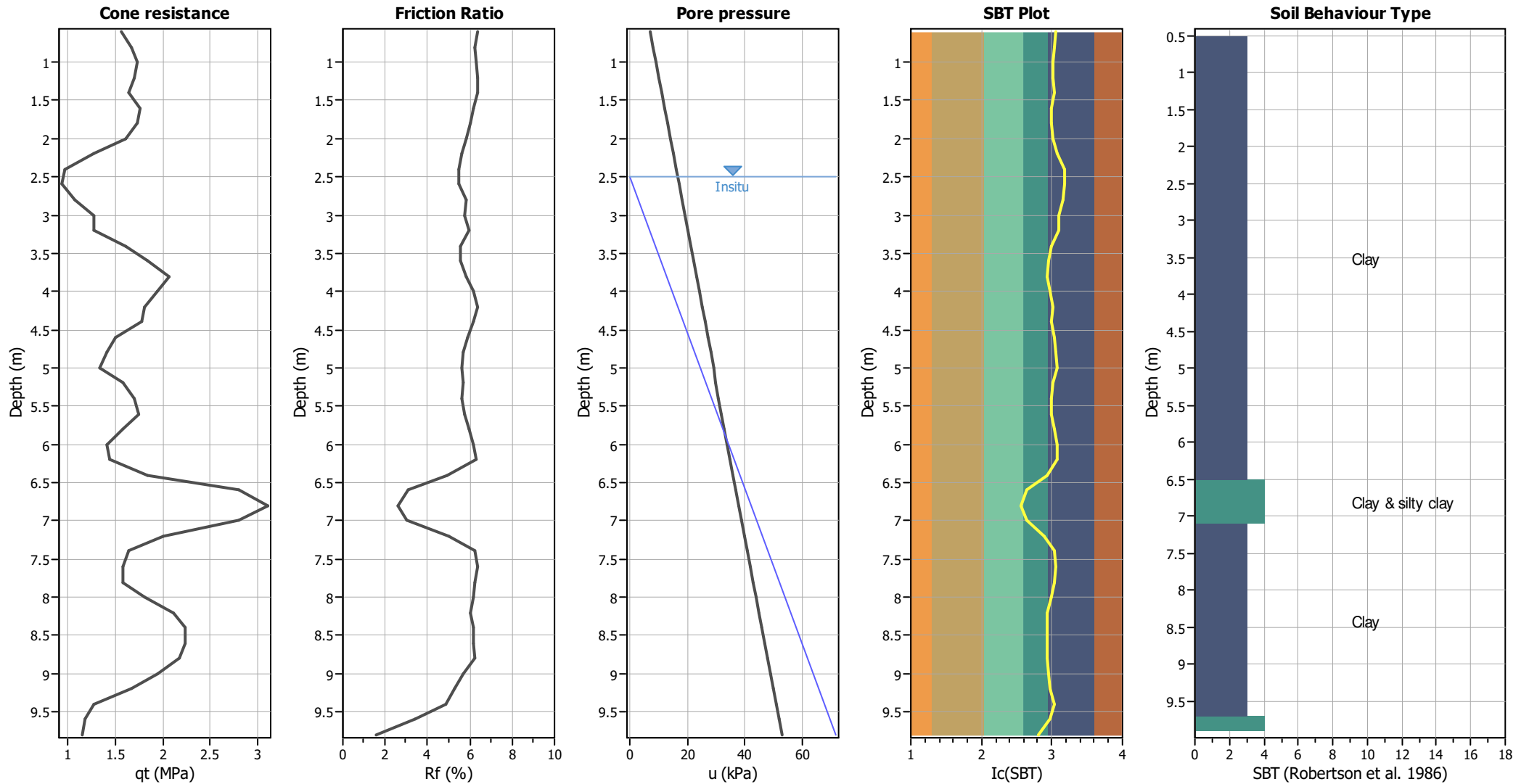
CPT file : P152_CPT143

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



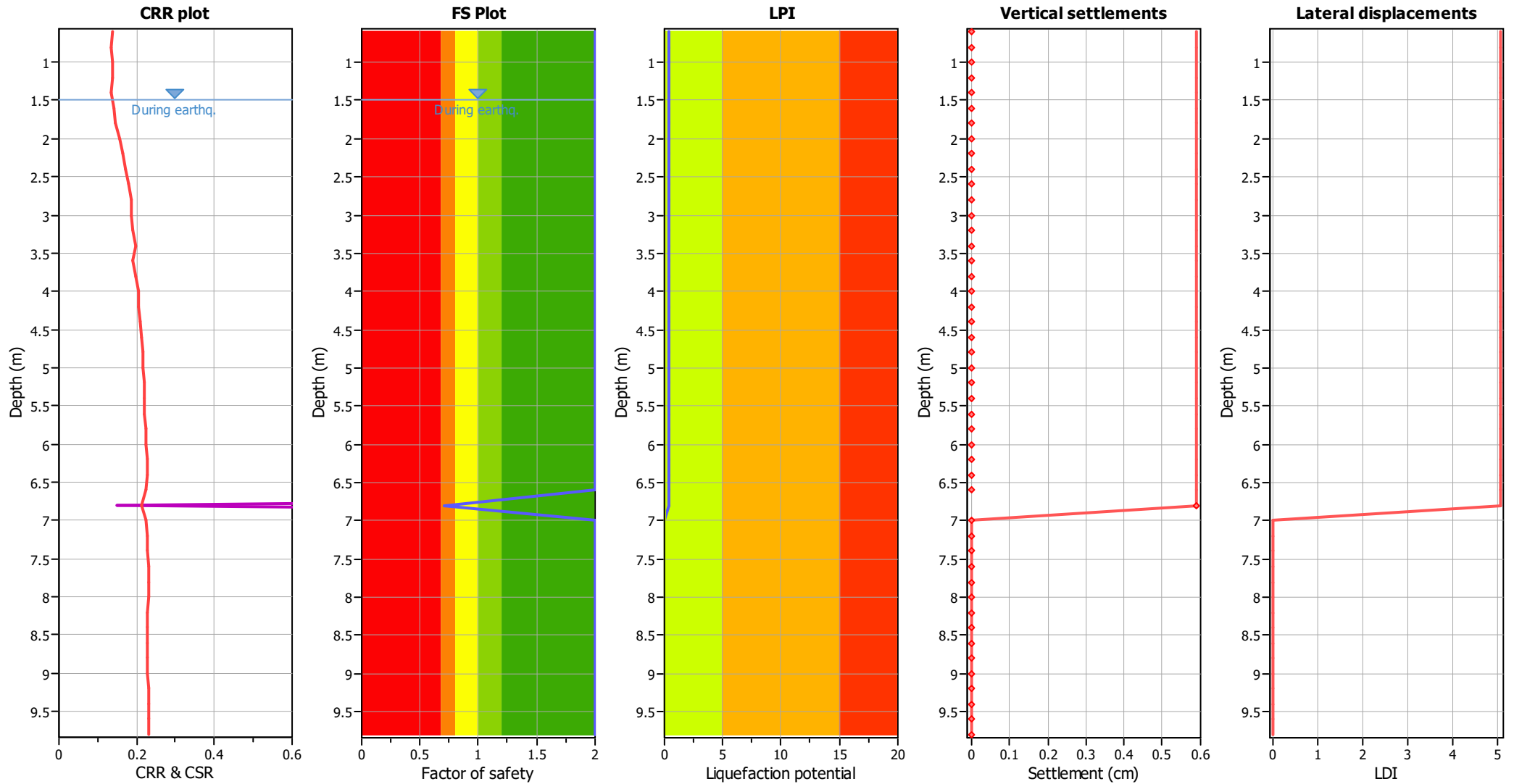
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	0.71	0.29	6.60	0.20	0.38
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00						

Overall liquefaction potential: 0.38

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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	33.56	2.00	0.00	1.00	0.00
2.00	28.33	2.00	0.00	1.00	0.00	2.20	18.00	2.00	0.00	1.00	0.00
2.40	15.73	2.00	0.00	1.00	0.00	2.60	12.32	2.00	0.00	1.00	0.00
2.80	14.99	2.00	0.00	1.00	0.00	3.00	20.33	2.00	0.00	1.00	0.00
3.20	19.99	2.00	0.00	1.00	0.00	3.40	14.23	2.00	0.00	1.00	0.00
3.60	32.35	2.00	0.00	1.00	0.00	3.80	28.06	2.00	0.00	1.00	0.00
4.00	22.55	2.00	0.00	1.00	0.00	4.20	25.95	2.00	0.00	1.00	0.00
4.40	21.87	2.00	0.00	1.00	0.00	4.60	20.32	2.00	0.00	1.00	0.00
4.80	15.15	2.00	0.00	1.00	0.00	5.00	17.36	2.00	0.00	1.00	0.00
5.20	17.13	2.00	0.00	1.00	0.00	5.40	22.78	2.00	0.00	1.00	0.00
5.60	21.33	2.00	0.00	1.00	0.00	5.80	17.62	2.00	0.00	1.00	0.00
6.00	16.26	2.00	0.00	1.00	0.00	6.20	14.93	2.00	0.00	1.00	0.00
6.40	18.11	2.00	0.00	1.00	0.00	6.60	28.89	2.00	0.00	1.00	0.00
6.80	108.72	0.71	2.95	1.00	0.59	7.00	27.20	2.00	0.00	1.00	0.00
7.20	18.36	2.00	0.00	1.00	0.00	7.40	19.22	2.00	0.00	1.00	0.00
7.60	14.82	2.00	0.00	1.00	0.00	7.80	15.70	2.00	0.00	1.00	0.00
8.00	18.62	2.00	0.00	1.00	0.00	8.20	21.48	2.00	0.00	1.00	0.00
8.40	24.29	2.00	0.00	1.00	0.00	8.60	22.05	2.00	0.00	1.00	0.00
8.80	20.84	2.00	0.00	1.00	0.00	9.00	21.62	2.00	0.00	1.00	0.00
9.20	14.60	2.00	0.00	1.00	0.00	9.40	12.54	2.00	0.00	1.00	0.00
9.60	9.57	2.00	0.00	1.00	0.00	9.80	11.40	2.00	0.00	1.00	0.00

Total estimated settlement: 0.59

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

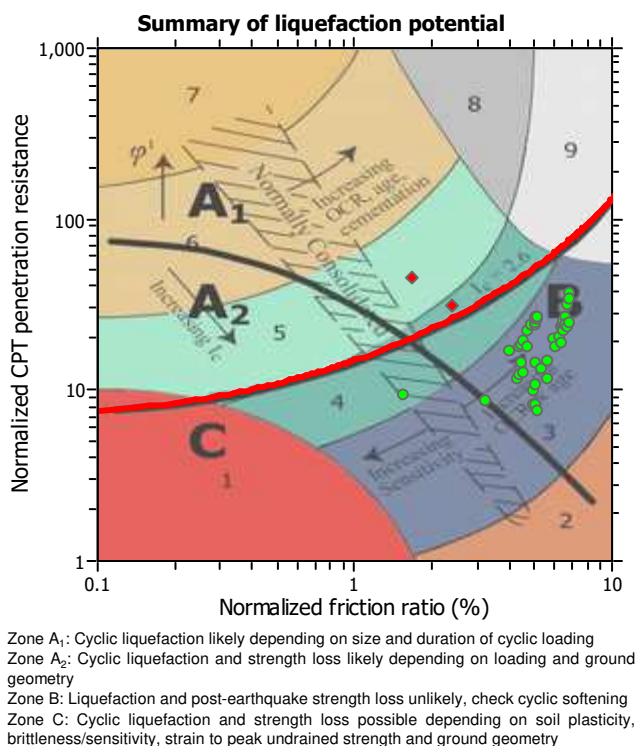
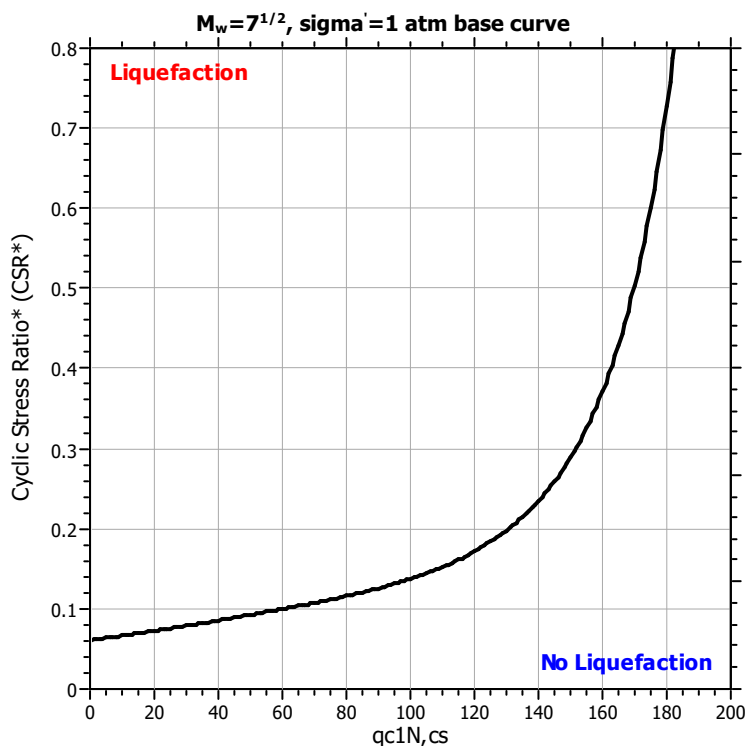
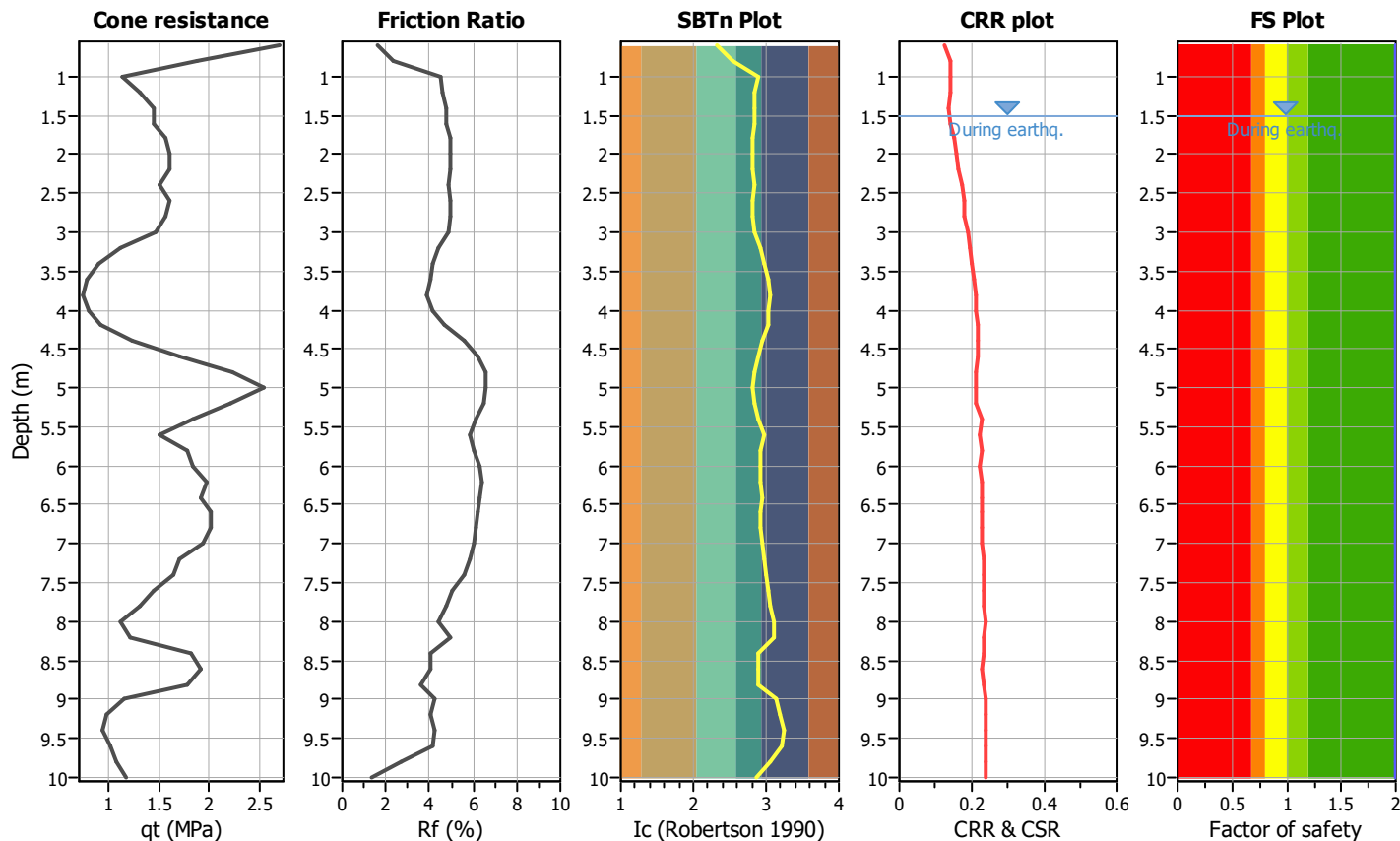
Project title :

Location :

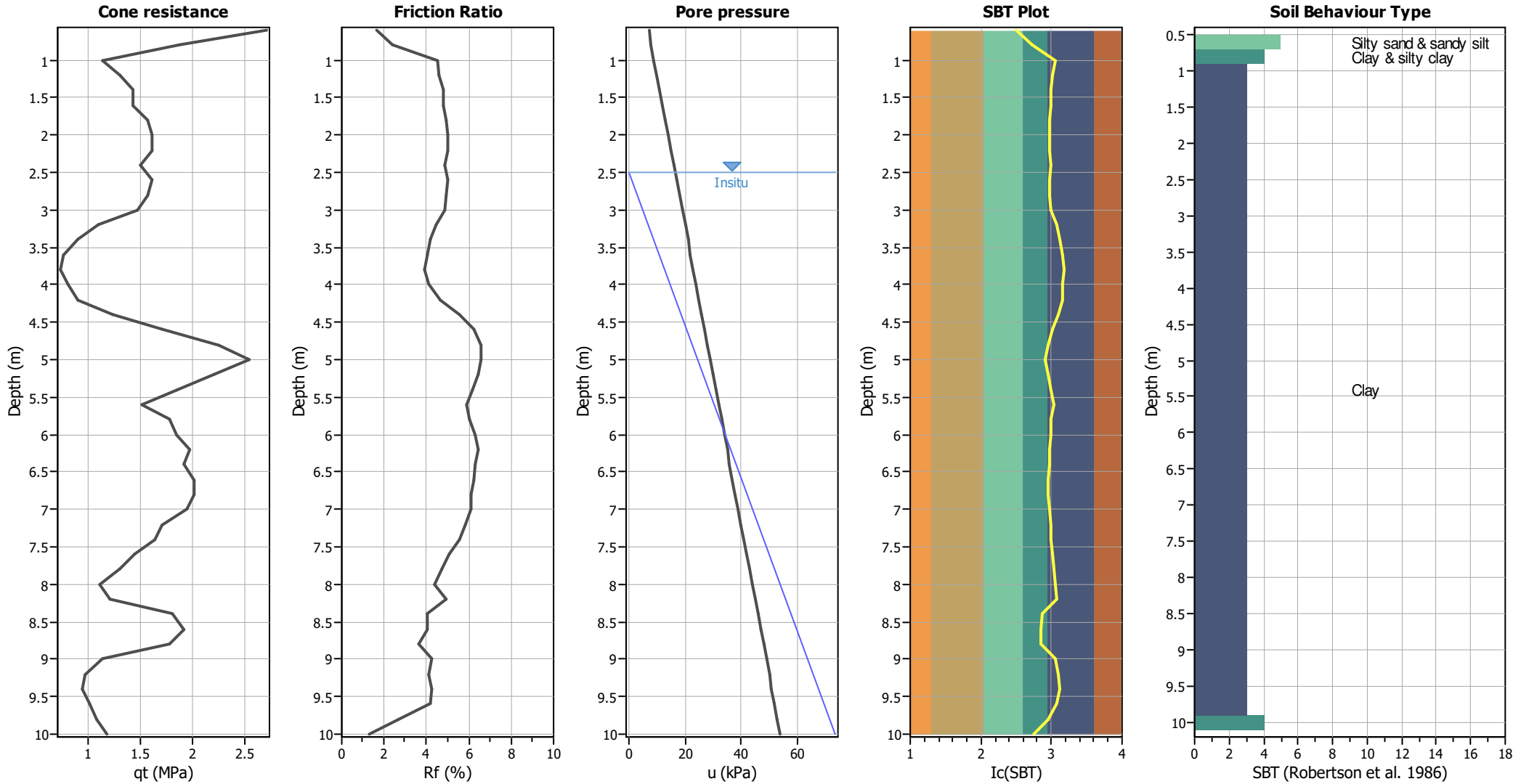
CPT file : P157_CPT148

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



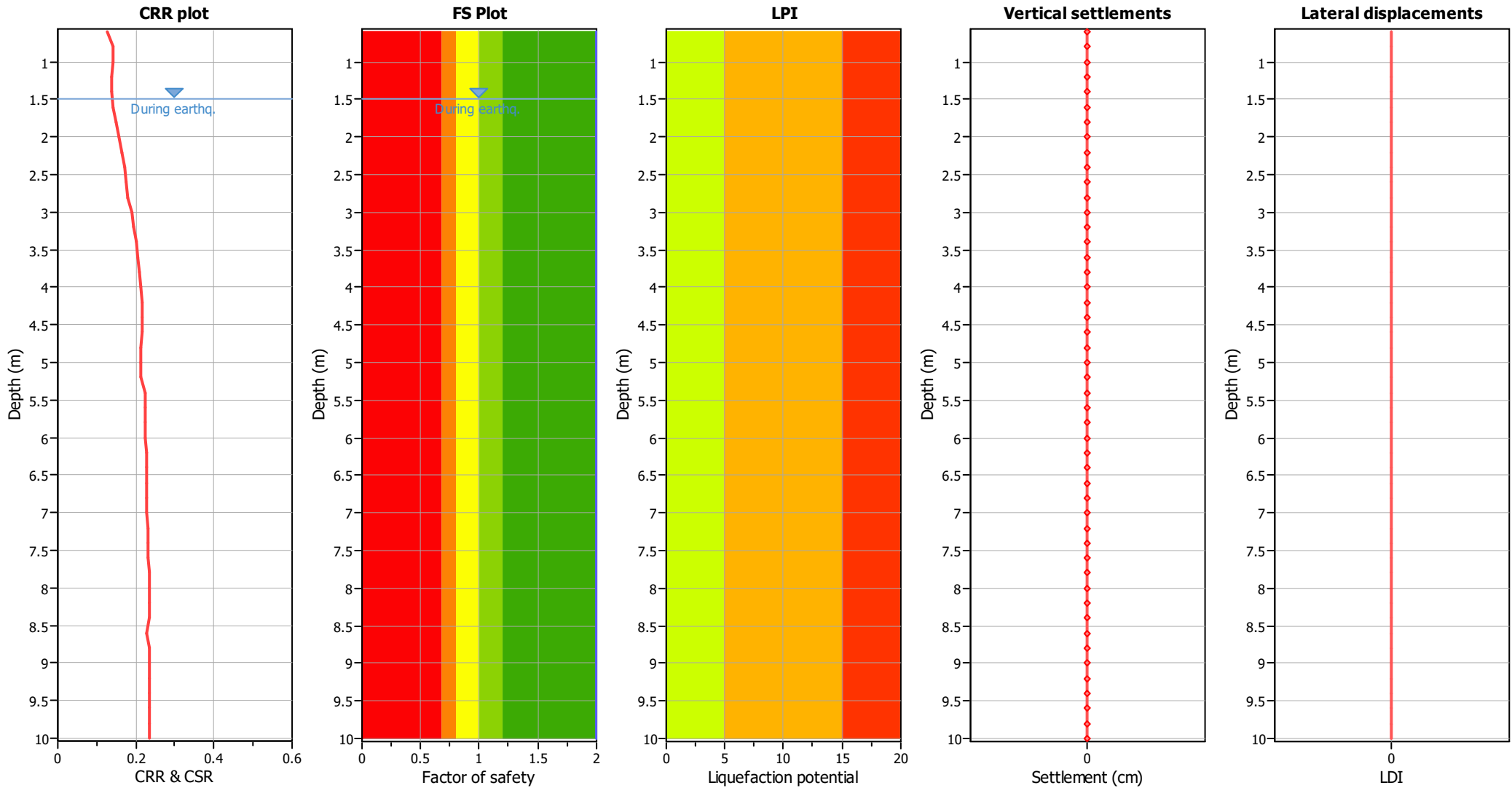
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	30.20	2.00	0.00	1.00	0.00	2.20	26.04	2.00	0.00	1.00	0.00
2.40	21.99	2.00	0.00	1.00	0.00	2.60	22.76	2.00	0.00	1.00	0.00
2.80	27.92	2.00	0.00	1.00	0.00	3.00	19.16	2.00	0.00	1.00	0.00
3.20	17.44	2.00	0.00	1.00	0.00	3.40	11.60	2.00	0.00	1.00	0.00
3.60	10.04	2.00	0.00	1.00	0.00	3.80	11.27	2.00	0.00	1.00	0.00
4.00	9.75	2.00	0.00	1.00	0.00	4.20	12.27	2.00	0.00	1.00	0.00
4.40	14.69	2.00	0.00	1.00	0.00	4.60	22.06	2.00	0.00	1.00	0.00
4.80	29.08	2.00	0.00	1.00	0.00	5.00	33.43	2.00	0.00	1.00	0.00
5.20	31.79	2.00	0.00	1.00	0.00	5.40	16.00	2.00	0.00	1.00	0.00
5.60	19.33	2.00	0.00	1.00	0.00	5.80	19.08	2.00	0.00	1.00	0.00
6.00	24.56	2.00	0.00	1.00	0.00	6.20	20.86	2.00	0.00	1.00	0.00
6.40	22.84	2.00	0.00	1.00	0.00	6.60	21.46	2.00	0.00	1.00	0.00
6.80	23.40	2.00	0.00	1.00	0.00	7.00	22.04	2.00	0.00	1.00	0.00
7.20	18.57	2.00	0.00	1.00	0.00	7.40	15.15	2.00	0.00	1.00	0.00
7.60	19.23	2.00	0.00	1.00	0.00	7.80	11.68	2.00	0.00	1.00	0.00
8.00	10.52	2.00	0.00	1.00	0.00	8.20	12.49	2.00	0.00	1.00	0.00
8.40	14.41	2.00	0.00	1.00	0.00	8.60	28.46	2.00	0.00	1.00	0.00
8.80	15.14	2.00	0.00	1.00	0.00	9.00	10.01	2.00	0.00	1.00	0.00
9.20	8.93	2.00	0.00	1.00	0.00	9.40	9.84	2.00	0.00	1.00	0.00
9.60	8.78	2.00	0.00	1.00	0.00	9.80	10.65	2.00	0.00	1.00	0.00
10.00	11.53	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00**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

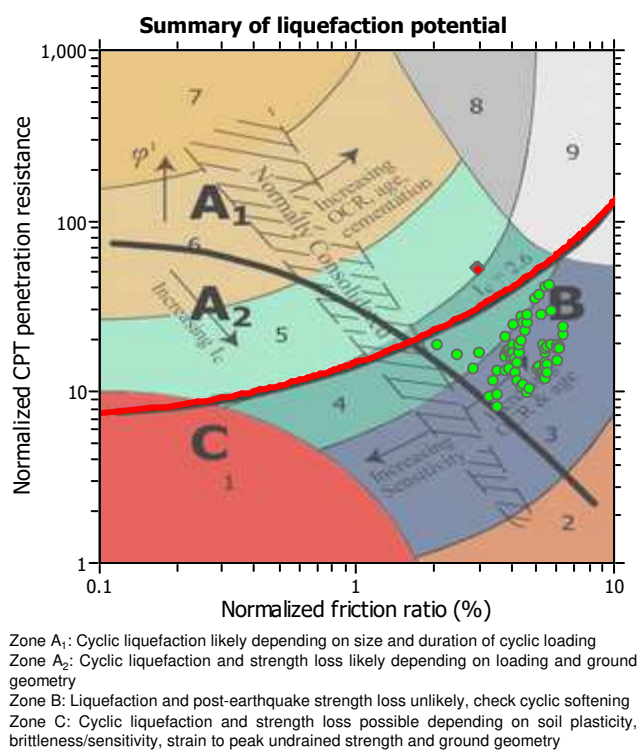
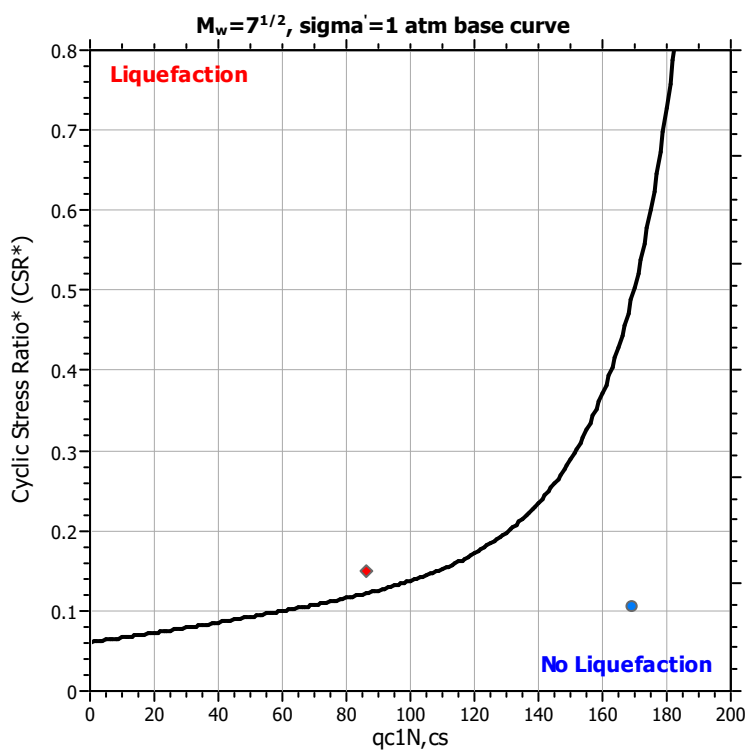
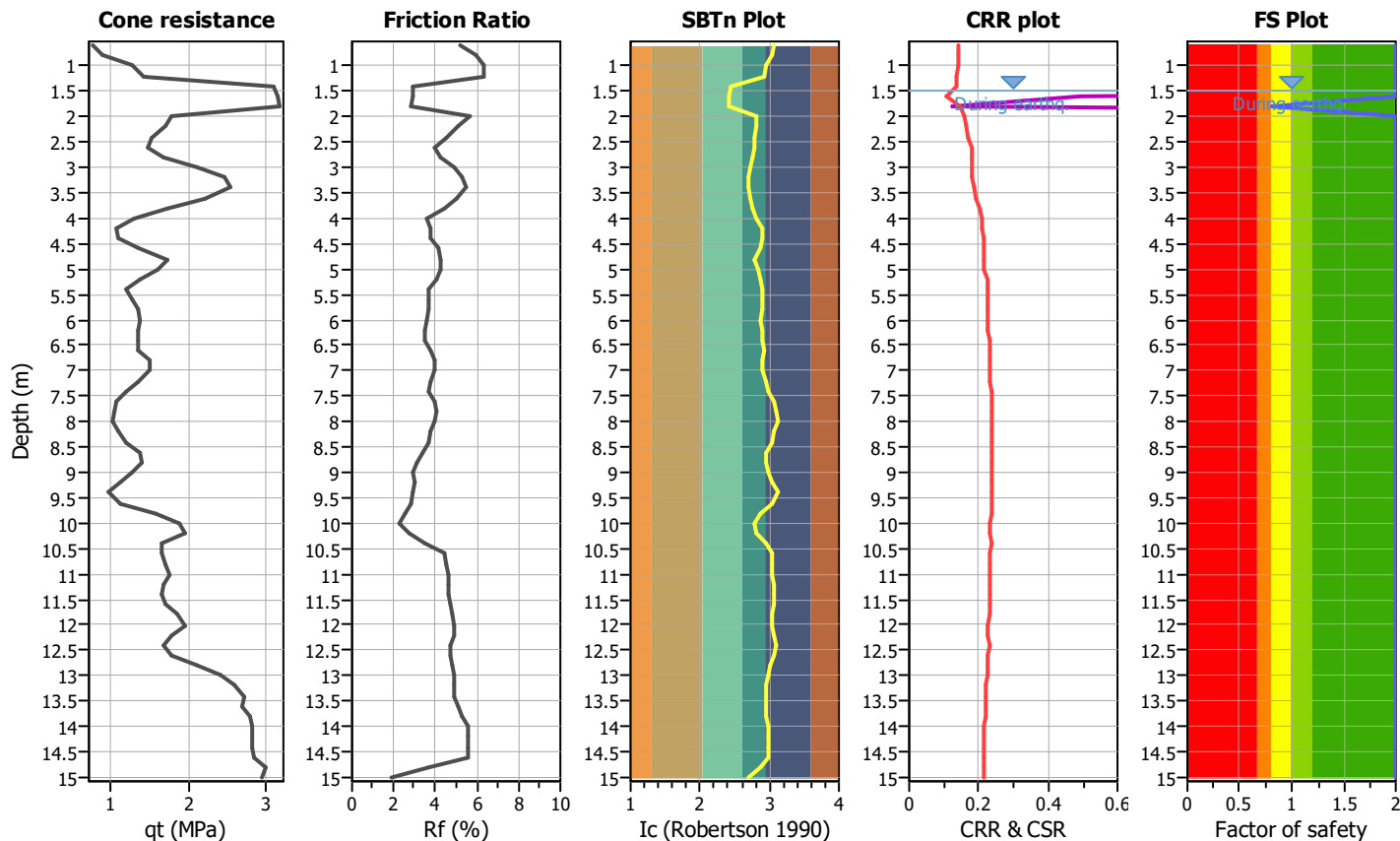
Project title :

Location :

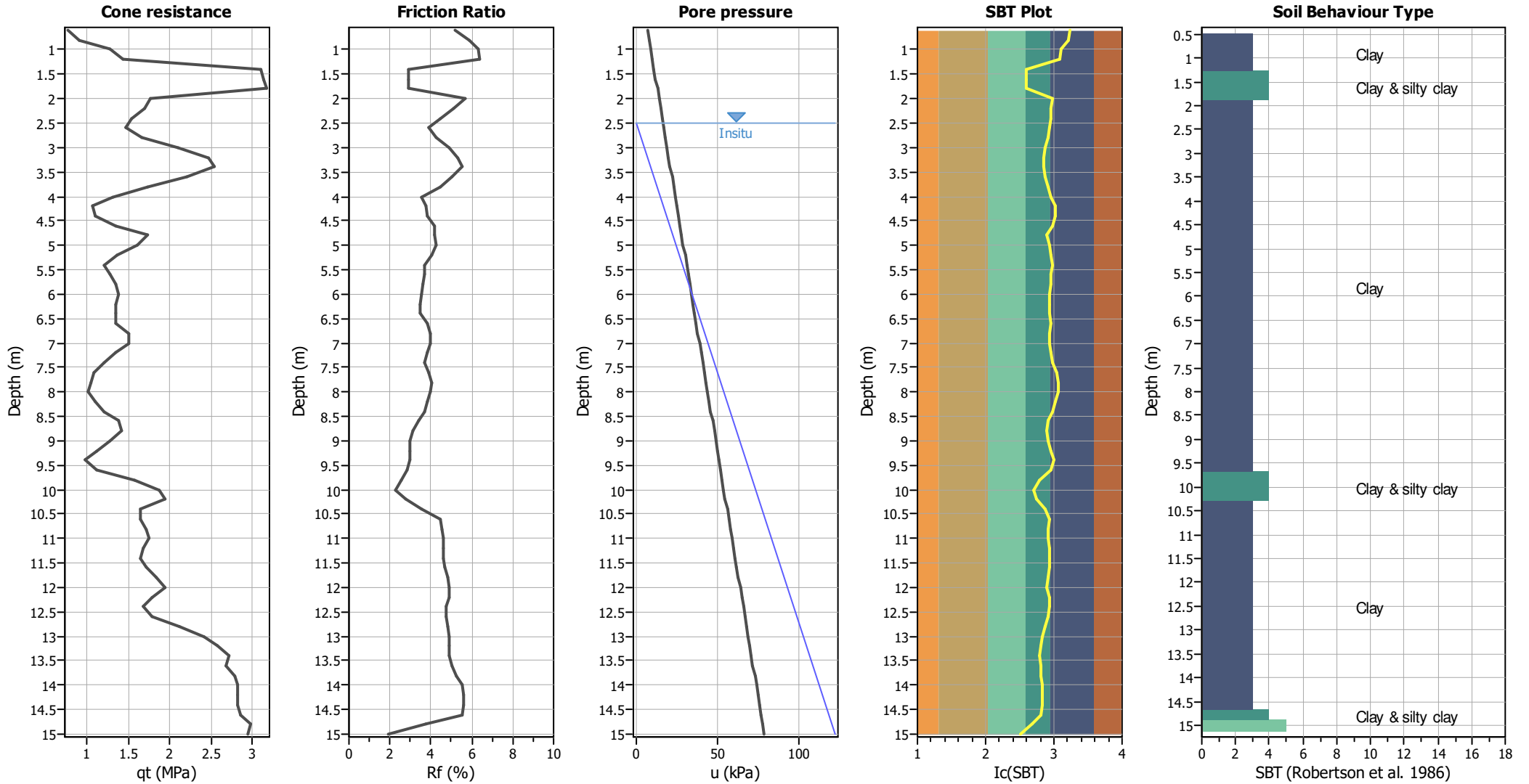
CPT file : P159_CPT150

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



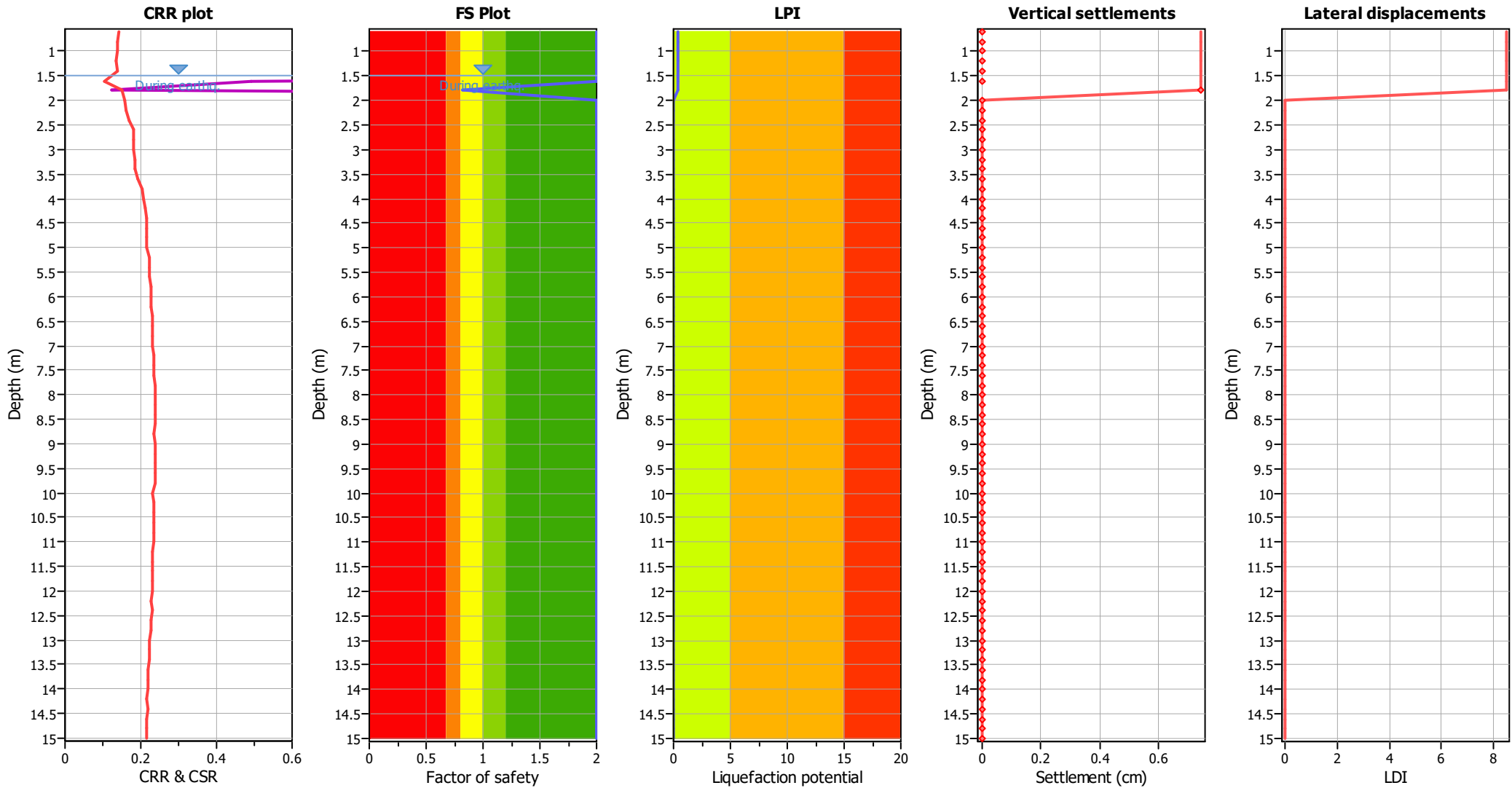
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	0.81	0.19	9.10	0.20	0.34	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.34

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

:: 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)
1.60	169.28	2.00	0.00	1.00	0.00	1.80	86.50	0.81	3.72	1.00	0.74
2.00	28.52	2.00	0.00	1.00	0.00	2.20	28.95	2.00	0.00	1.00	0.00
2.40	24.87	2.00	0.00	1.00	0.00	2.60	18.41	2.00	0.00	1.00	0.00
2.80	23.74	2.00	0.00	1.00	0.00	3.00	31.48	2.00	0.00	1.00	0.00
3.20	34.88	2.00	0.00	1.00	0.00	3.40	36.85	2.00	0.00	1.00	0.00
3.60	32.47	2.00	0.00	1.00	0.00	3.80	20.43	2.00	0.00	1.00	0.00
4.00	17.53	2.00	0.00	1.00	0.00	4.20	14.69	2.00	0.00	1.00	0.00
4.40	10.62	2.00	0.00	1.00	0.00	4.60	18.07	2.00	0.00	1.00	0.00
4.80	22.75	2.00	0.00	1.00	0.00	5.00	24.85	2.00	0.00	1.00	0.00
5.20	12.48	2.00	0.00	1.00	0.00	5.40	13.53	2.00	0.00	1.00	0.00
5.60	18.11	2.00	0.00	1.00	0.00	5.80	14.38	2.00	0.00	1.00	0.00
6.00	15.37	2.00	0.00	1.00	0.00	6.20	18.64	2.00	0.00	1.00	0.00
6.40	12.74	2.00	0.00	1.00	0.00	6.60	14.86	2.00	0.00	1.00	0.00
6.80	18.03	2.00	0.00	1.00	0.00	7.00	17.83	2.00	0.00	1.00	0.00
7.20	14.37	2.00	0.00	1.00	0.00	7.40	12.05	2.00	0.00	1.00	0.00
7.60	13.01	2.00	0.00	1.00	0.00	7.80	9.68	2.00	0.00	1.00	0.00
8.00	10.64	2.00	0.00	1.00	0.00	8.20	11.59	2.00	0.00	1.00	0.00
8.40	12.52	2.00	0.00	1.00	0.00	8.60	13.43	2.00	0.00	1.00	0.00
8.80	16.36	2.00	0.00	1.00	0.00	9.00	13.19	2.00	0.00	1.00	0.00
9.20	9.06	2.00	0.00	1.00	0.00	9.40	10.98	2.00	0.00	1.00	0.00
9.60	8.91	2.00	0.00	1.00	0.00	9.80	12.76	2.00	0.00	1.00	0.00
10.00	24.34	2.00	0.00	1.00	0.00	10.20	17.37	2.00	0.00	1.00	0.00
10.40	14.35	2.00	0.00	1.00	0.00	10.60	15.17	2.00	0.00	1.00	0.00
10.80	16.93	2.00	0.00	1.00	0.00	11.00	15.85	2.00	0.00	1.00	0.00
11.20	15.72	2.00	0.00	1.00	0.00	11.40	14.67	2.00	0.00	1.00	0.00
11.60	14.55	2.00	0.00	1.00	0.00	11.80	17.16	2.00	0.00	1.00	0.00
12.00	17.92	2.00	0.00	1.00	0.00	12.20	16.88	2.00	0.00	1.00	0.00
12.40	12.31	2.00	0.00	1.00	0.00	12.60	14.86	2.00	0.00	1.00	0.00
12.80	19.14	2.00	0.00	1.00	0.00	13.00	20.75	2.00	0.00	1.00	0.00
13.20	22.34	2.00	0.00	1.00	0.00	13.40	23.04	2.00	0.00	1.00	0.00
13.60	23.73	2.00	0.00	1.00	0.00	13.80	20.98	2.00	0.00	1.00	0.00
14.00	25.10	2.00	0.00	1.00	0.00	14.20	24.06	2.00	0.00	1.00	0.00
14.40	20.51	2.00	0.00	1.00	0.00	14.60	24.56	2.00	0.00	1.00	0.00
14.80	24.37	2.00	0.00	1.00	0.00	15.00	23.35	2.00	0.00	1.00	0.00

Total estimated settlement: 0.74

Abbreviations

Q_{m,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

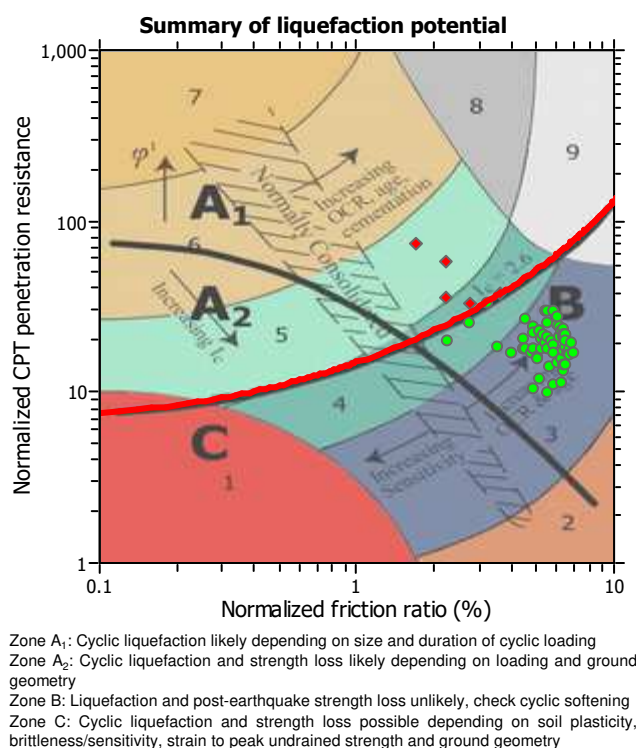
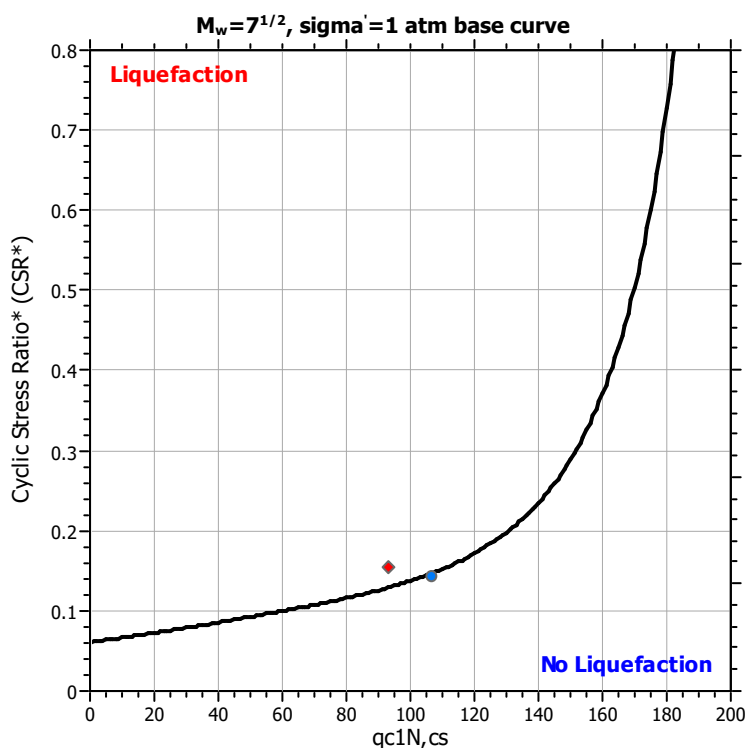
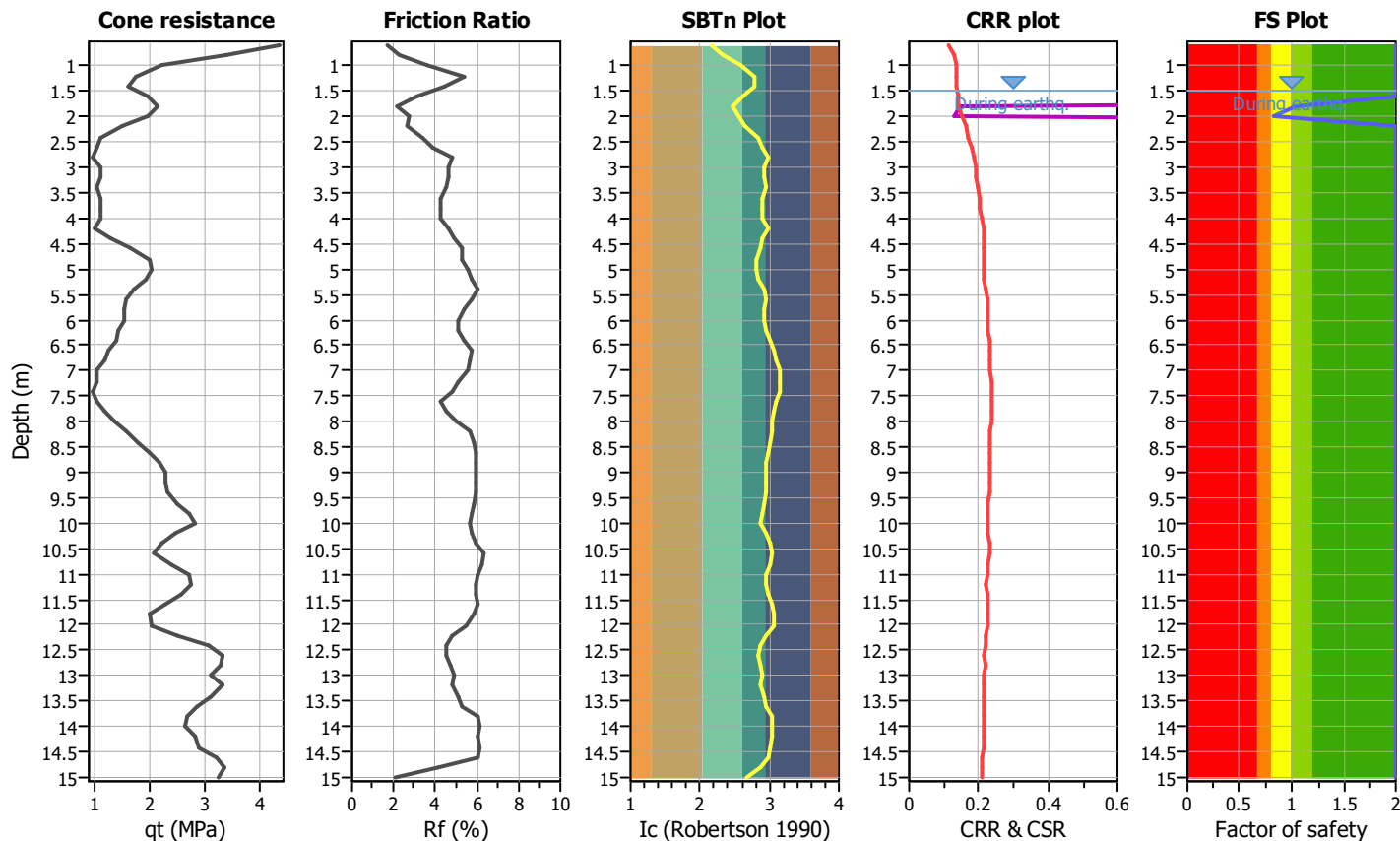
Project title :

Location :

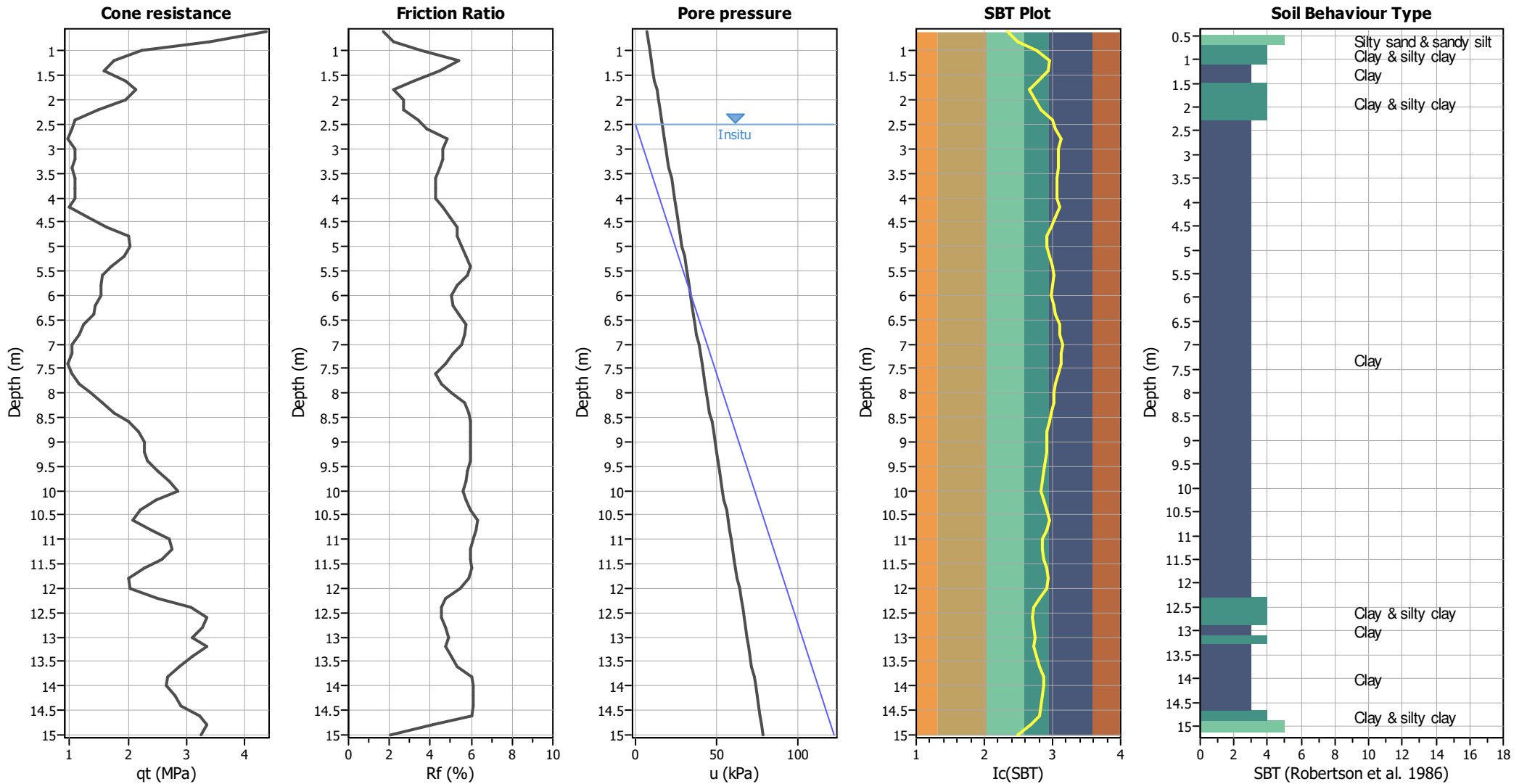
CPT file : P160_CPT151

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



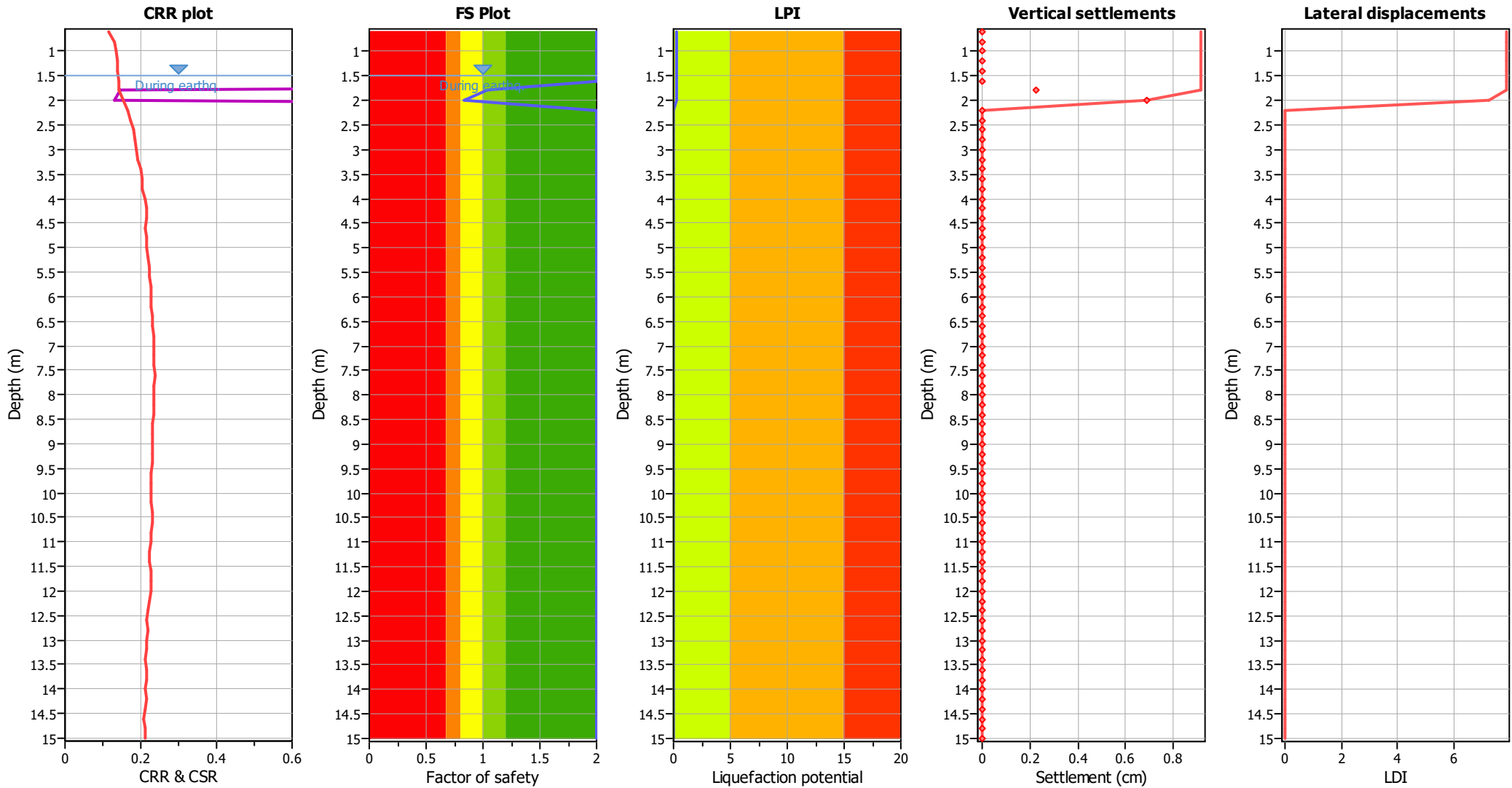
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	1.03	0.00	9.10	0.20	0.00	2.00	0.84	0.16	9.00	0.20	0.30
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.30

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

:: 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)
1.60	28.52	2.00	0.00	1.00	0.00	1.80	107.00	1.03	1.13	1.00	0.23
2.00	93.31	0.84	3.45	1.00	0.69	2.20	19.83	2.00	0.00	1.00	0.00
2.40	20.40	2.00	0.00	1.00	0.00	2.60	12.45	2.00	0.00	1.00	0.00
2.80	15.14	2.00	0.00	1.00	0.00	3.00	16.31	2.00	0.00	1.00	0.00
3.20	17.44	2.00	0.00	1.00	0.00	3.40	14.40	2.00	0.00	1.00	0.00
3.60	12.80	2.00	0.00	1.00	0.00	3.80	19.32	2.00	0.00	1.00	0.00
4.00	13.75	2.00	0.00	1.00	0.00	4.20	12.22	2.00	0.00	1.00	0.00
4.40	14.64	2.00	0.00	1.00	0.00	4.60	24.49	2.00	0.00	1.00	0.00
4.80	24.15	2.00	0.00	1.00	0.00	5.00	27.42	2.00	0.00	1.00	0.00
5.20	24.66	2.00	0.00	1.00	0.00	5.40	19.58	2.00	0.00	1.00	0.00
5.60	18.14	2.00	0.00	1.00	0.00	5.80	19.07	2.00	0.00	1.00	0.00
6.00	17.69	2.00	0.00	1.00	0.00	6.20	17.47	2.00	0.00	1.00	0.00
6.40	15.00	2.00	0.00	1.00	0.00	6.60	15.95	2.00	0.00	1.00	0.00
6.80	11.31	2.00	0.00	1.00	0.00	7.00	12.29	2.00	0.00	1.00	0.00
7.20	11.06	2.00	0.00	1.00	0.00	7.40	10.95	2.00	0.00	1.00	0.00
7.60	9.76	2.00	0.00	1.00	0.00	7.80	12.85	2.00	0.00	1.00	0.00
8.00	14.83	2.00	0.00	1.00	0.00	8.20	15.71	2.00	0.00	1.00	0.00
8.40	18.64	2.00	0.00	1.00	0.00	8.60	20.48	2.00	0.00	1.00	0.00
8.80	22.29	2.00	0.00	1.00	0.00	9.00	23.07	2.00	0.00	1.00	0.00
9.20	22.84	2.00	0.00	1.00	0.00	9.40	21.64	2.00	0.00	1.00	0.00
9.60	24.36	2.00	0.00	1.00	0.00	9.80	27.03	2.00	0.00	1.00	0.00
10.00	26.78	2.00	0.00	1.00	0.00	10.20	27.50	2.00	0.00	1.00	0.00
10.40	15.92	2.00	0.00	1.00	0.00	10.60	18.58	2.00	0.00	1.00	0.00
10.80	23.06	2.00	0.00	1.00	0.00	11.00	24.71	2.00	0.00	1.00	0.00
11.20	26.34	2.00	0.00	1.00	0.00	11.40	23.38	2.00	0.00	1.00	0.00
11.60	19.58	2.00	0.00	1.00	0.00	11.80	17.64	2.00	0.00	1.00	0.00
12.00	15.72	2.00	0.00	1.00	0.00	12.20	20.00	2.00	0.00	1.00	0.00
12.40	29.55	2.00	0.00	1.00	0.00	12.60	30.20	2.00	0.00	1.00	0.00
12.80	26.47	2.00	0.00	1.00	0.00	13.00	27.15	2.00	0.00	1.00	0.00
13.20	25.22	2.00	0.00	1.00	0.00	13.40	31.93	2.00	0.00	1.00	0.00
13.60	20.62	2.00	0.00	1.00	0.00	13.80	18.80	2.00	0.00	1.00	0.00
14.00	26.19	2.00	0.00	1.00	0.00	14.20	19.35	2.00	0.00	1.00	0.00
14.40	22.50	2.00	0.00	1.00	0.00	14.60	28.13	2.00	0.00	1.00	0.00
14.80	26.28	2.00	0.00	1.00	0.00	15.00	25.25	2.00	0.00	1.00	0.00

Total estimated settlement: 0.92

Abbreviations

$Q_{m,cs}$:	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

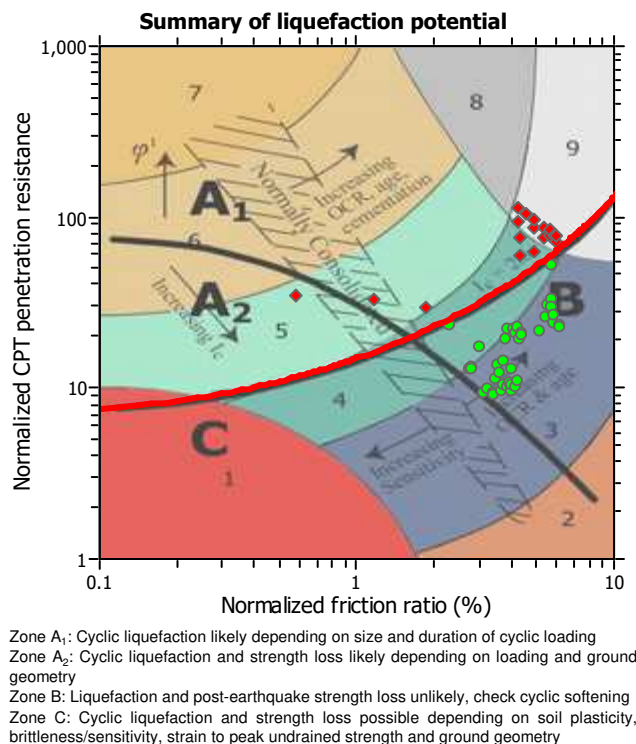
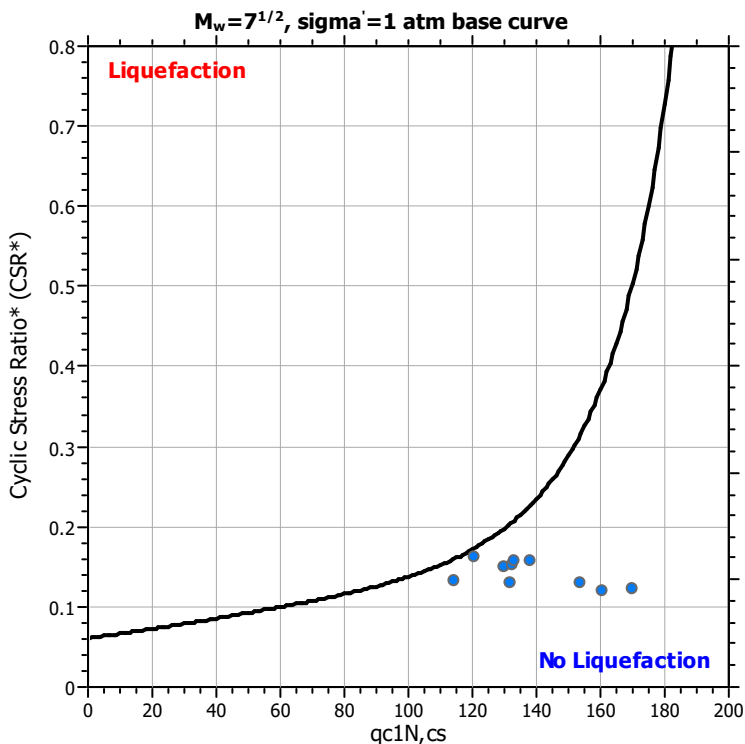
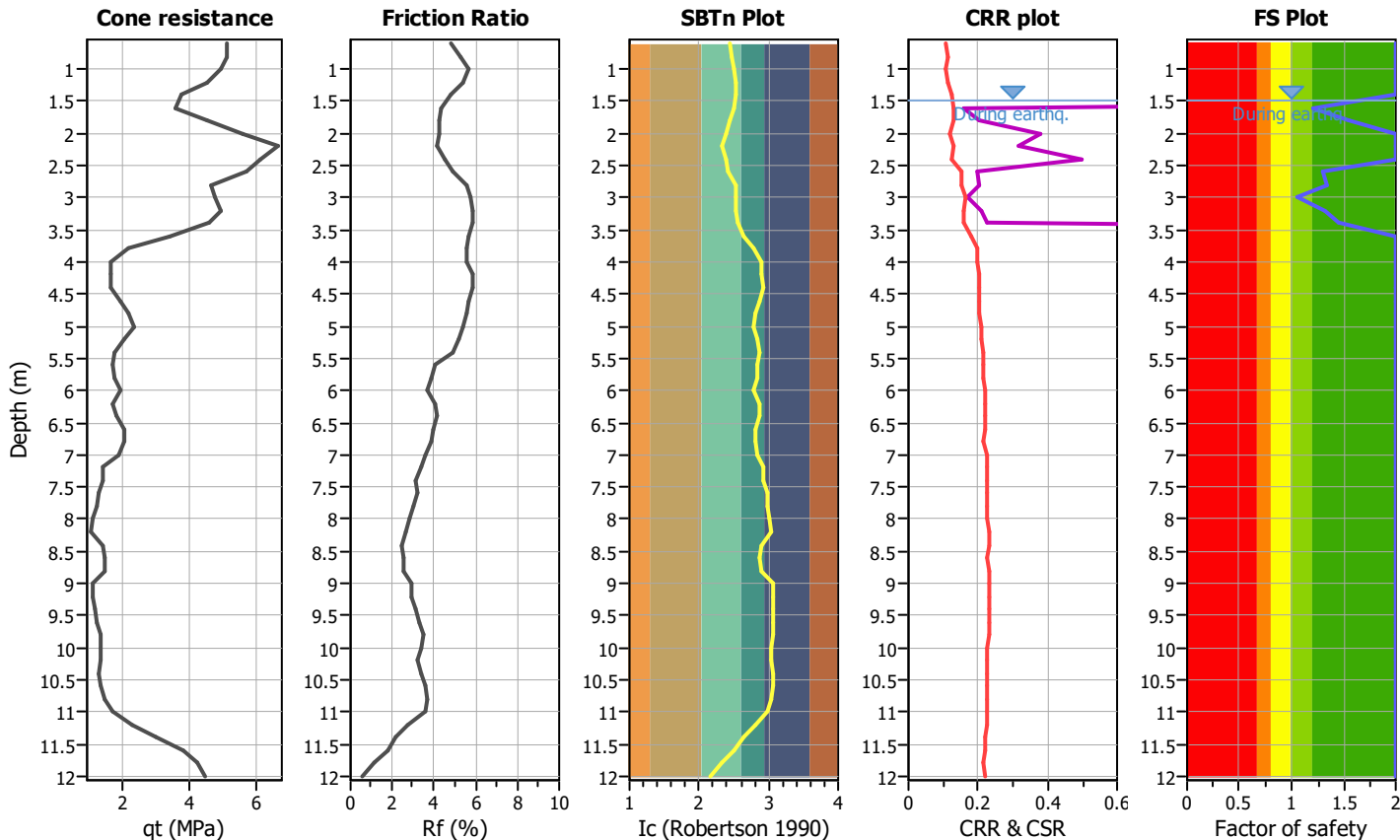
Project title :

Location :

CPT file : P161_CPT152

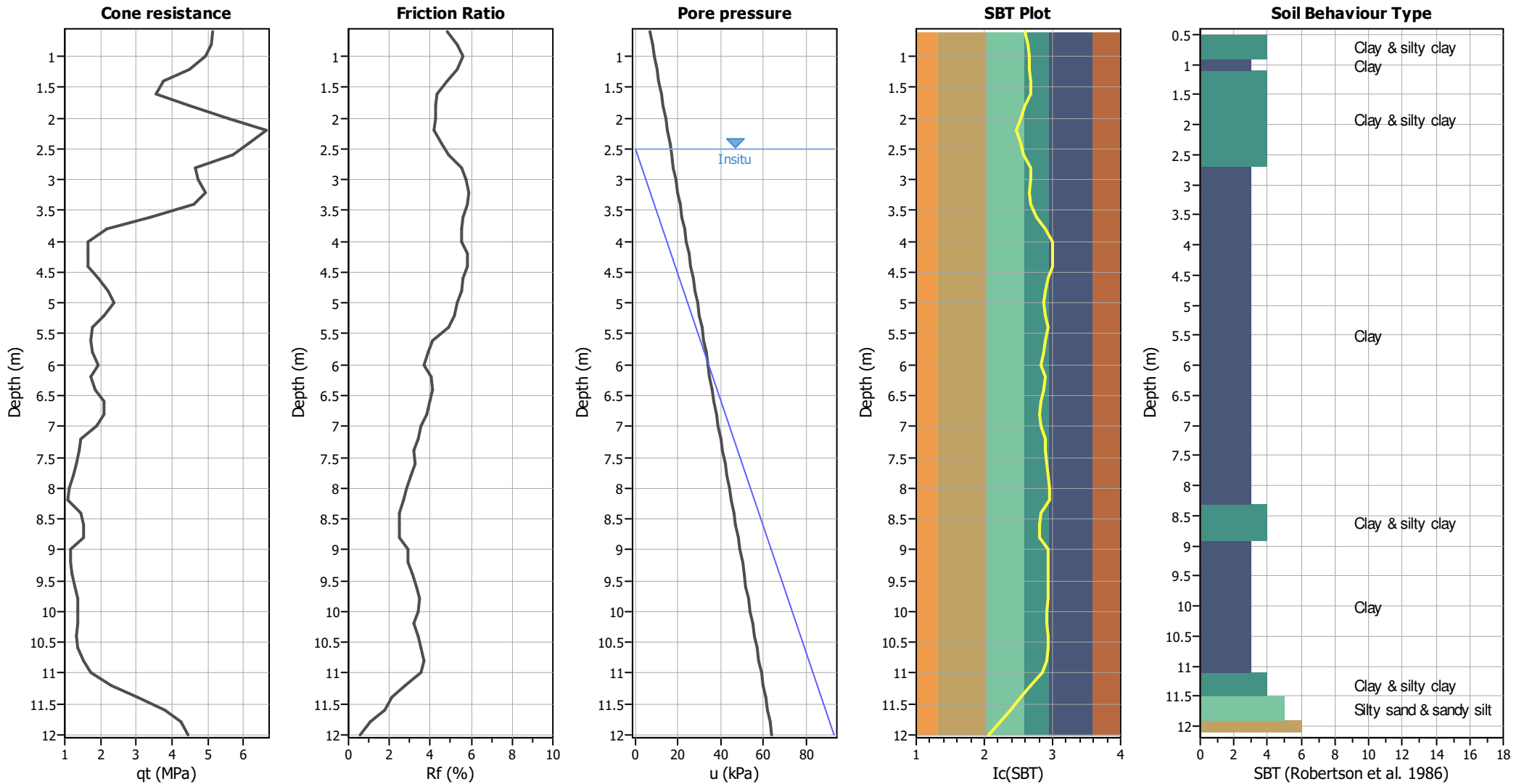
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



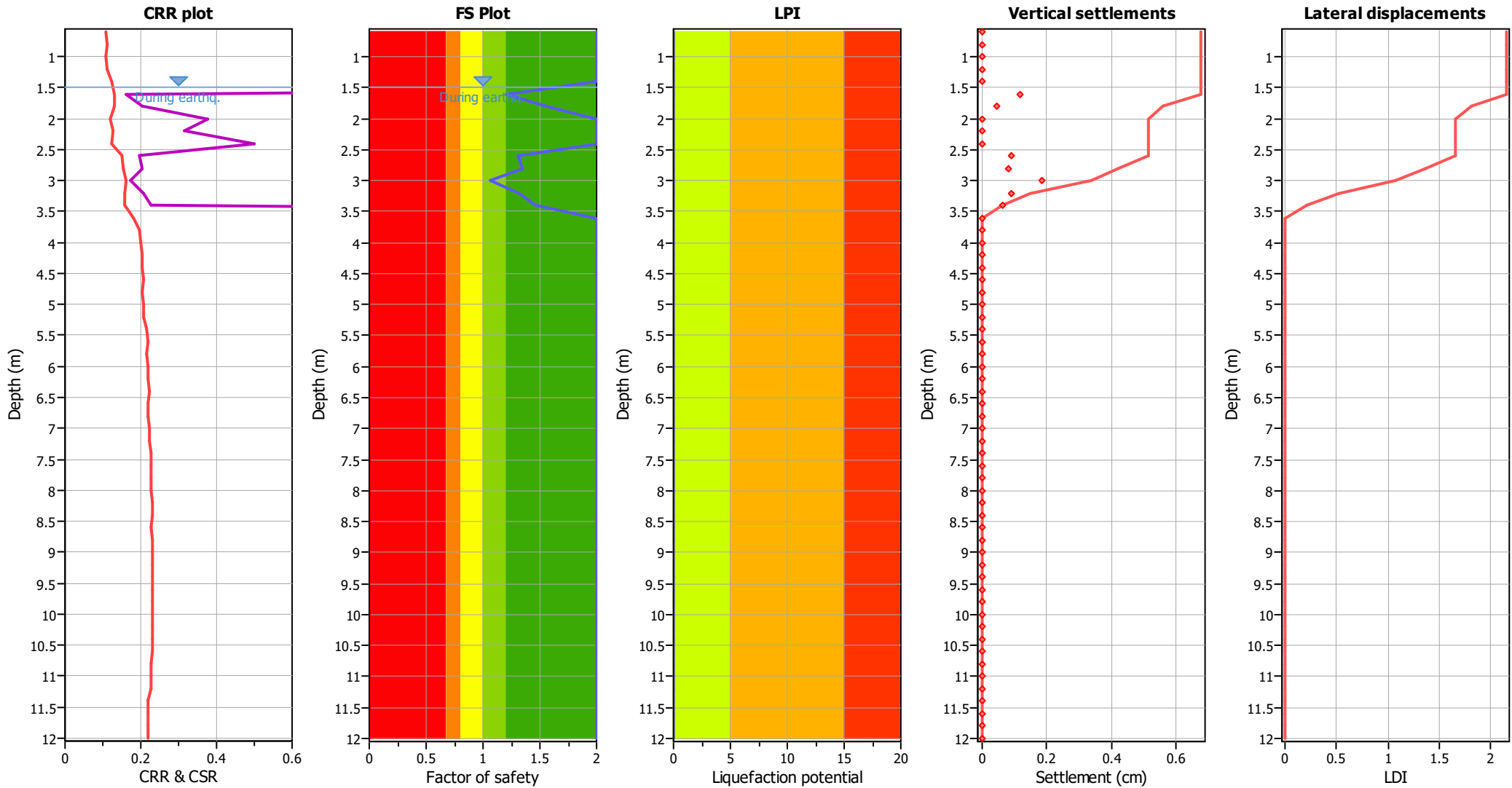
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	1.21	0.00	9.20	0.20	0.00
1.80	1.55	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	1.31	0.00	8.70	0.20	0.00	2.80	1.35	0.00	8.60	0.20	0.00
3.00	1.06	0.00	8.50	0.20	0.00	3.20	1.32	0.00	8.40	0.20	0.00
3.40	1.46	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	114.22	1.21	0.59	1.00	0.12	1.80	131.70	1.55	0.23	1.00	0.05
2.00	160.51	2.00	0.00	1.00	0.00	2.20	153.72	2.00	0.00	1.00	0.00
2.40	169.74	2.00	0.00	1.00	0.00	2.60	129.83	1.31	0.46	1.00	0.09
2.80	132.32	1.35	0.42	1.00	0.08	3.00	120.51	1.06	0.93	1.00	0.19
3.20	133.17	1.32	0.44	1.00	0.09	3.40	138.40	1.46	0.31	1.00	0.06
3.60	40.54	2.00	0.00	1.00	0.00	3.80	19.30	2.00	0.00	1.00	0.00
4.00	22.68	2.00	0.00	1.00	0.00	4.20	19.95	2.00	0.00	1.00	0.00
4.40	18.48	2.00	0.00	1.00	0.00	4.60	21.78	2.00	0.00	1.00	0.00
4.80	29.58	2.00	0.00	1.00	0.00	5.00	26.94	2.00	0.00	1.00	0.00
5.20	26.60	2.00	0.00	1.00	0.00	5.40	18.42	2.00	0.00	1.00	0.00
5.60	15.97	2.00	0.00	1.00	0.00	5.80	24.63	2.00	0.00	1.00	0.00
6.00	18.91	2.00	0.00	1.00	0.00	6.20	20.86	2.00	0.00	1.00	0.00
6.40	16.34	2.00	0.00	1.00	0.00	6.60	22.55	2.00	0.00	1.00	0.00
6.80	27.57	2.00	0.00	1.00	0.00	7.00	15.82	2.00	0.00	1.00	0.00
7.20	15.67	2.00	0.00	1.00	0.00	7.40	13.46	2.00	0.00	1.00	0.00
7.60	14.36	2.00	0.00	1.00	0.00	7.80	12.21	2.00	0.00	1.00	0.00
8.00	11.10	2.00	0.00	1.00	0.00	8.20	10.00	2.00	0.00	1.00	0.00
8.40	10.91	2.00	0.00	1.00	0.00	8.60	21.64	2.00	0.00	1.00	0.00
8.80	11.70	2.00	0.00	1.00	0.00	9.00	10.64	2.00	0.00	1.00	0.00
9.20	10.55	2.00	0.00	1.00	0.00	9.40	11.42	2.00	0.00	1.00	0.00
9.60	12.28	2.00	0.00	1.00	0.00	9.80	12.18	2.00	0.00	1.00	0.00
10.00	13.02	2.00	0.00	1.00	0.00	10.20	12.92	2.00	0.00	1.00	0.00
10.40	11.90	2.00	0.00	1.00	0.00	10.60	10.89	2.00	0.00	1.00	0.00
10.80	14.44	2.00	0.00	1.00	0.00	11.00	15.23	2.00	0.00	1.00	0.00
11.20	16.90	2.00	0.00	1.00	0.00	11.40	28.44	2.00	0.00	1.00	0.00
11.60	93.50	2.00	0.00	1.00	0.00	11.80	93.69	2.00	0.00	1.00	0.00
12.00	87.70	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.68

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

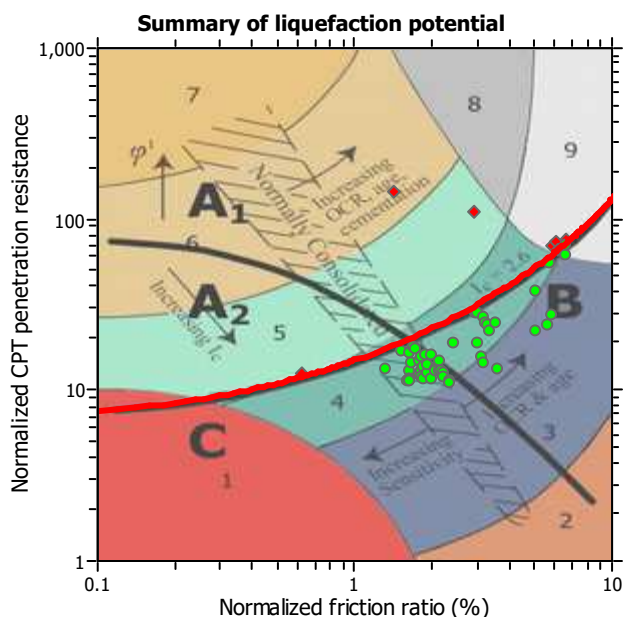
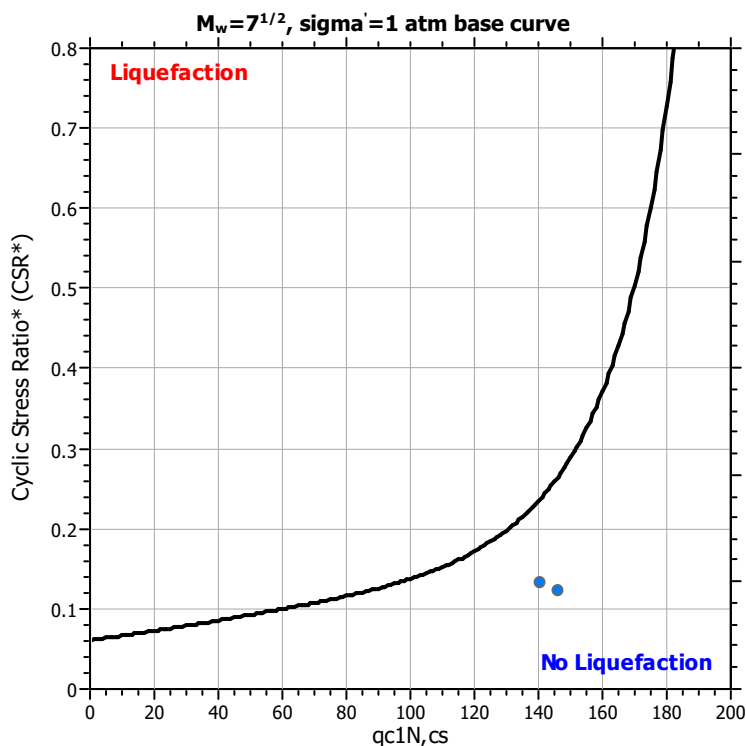
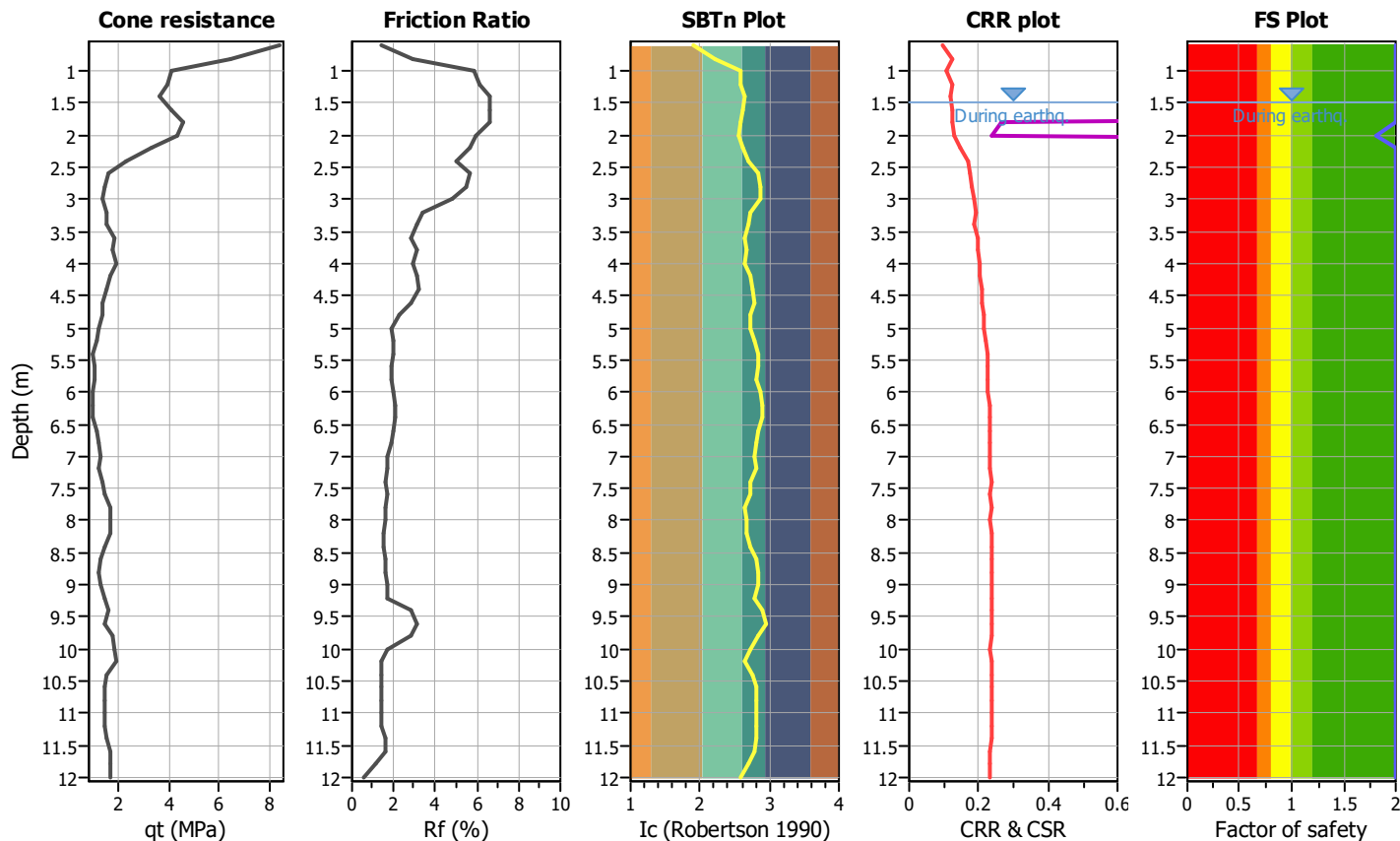
Project title :

Location :

CPT file : P162_CPT153

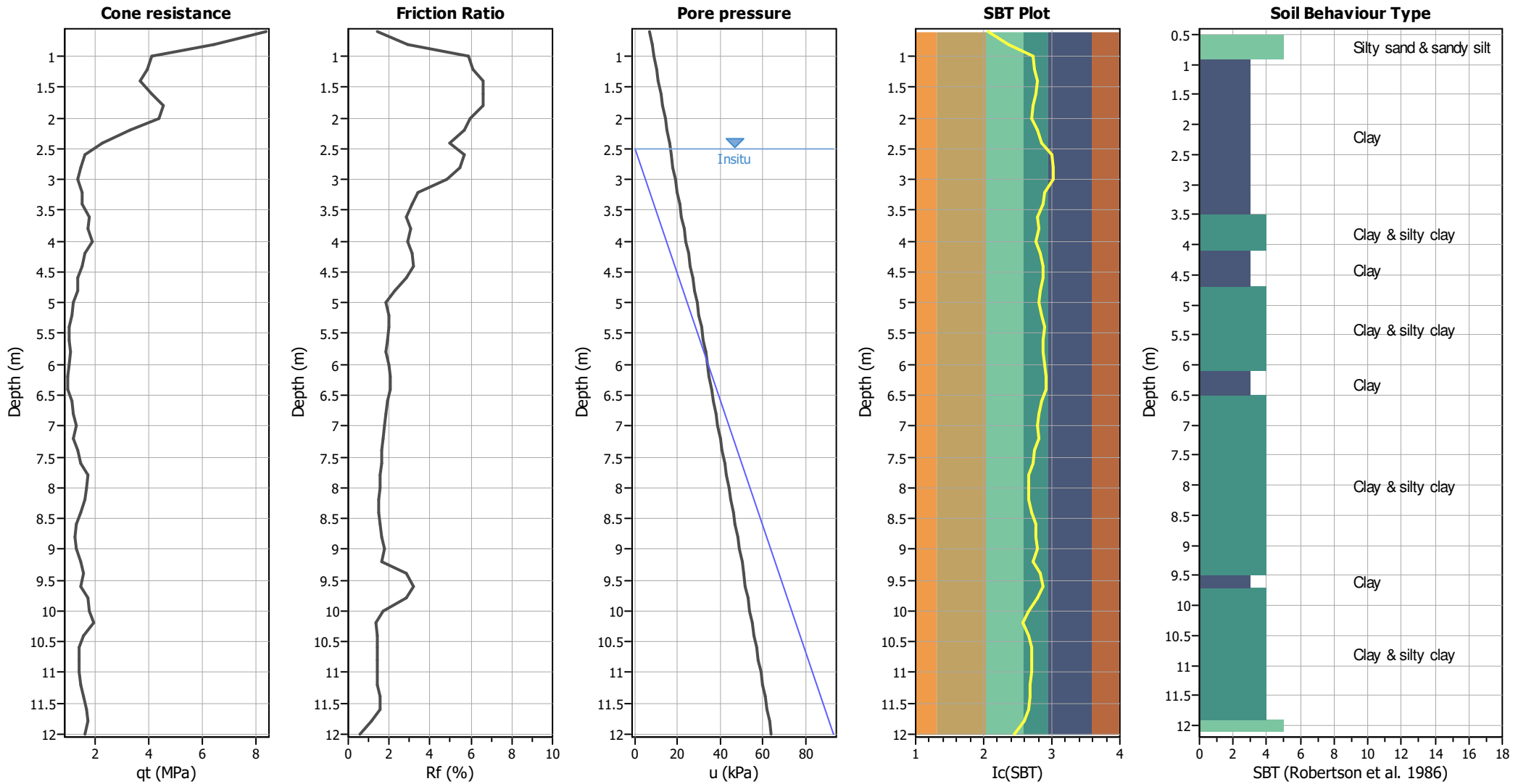
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



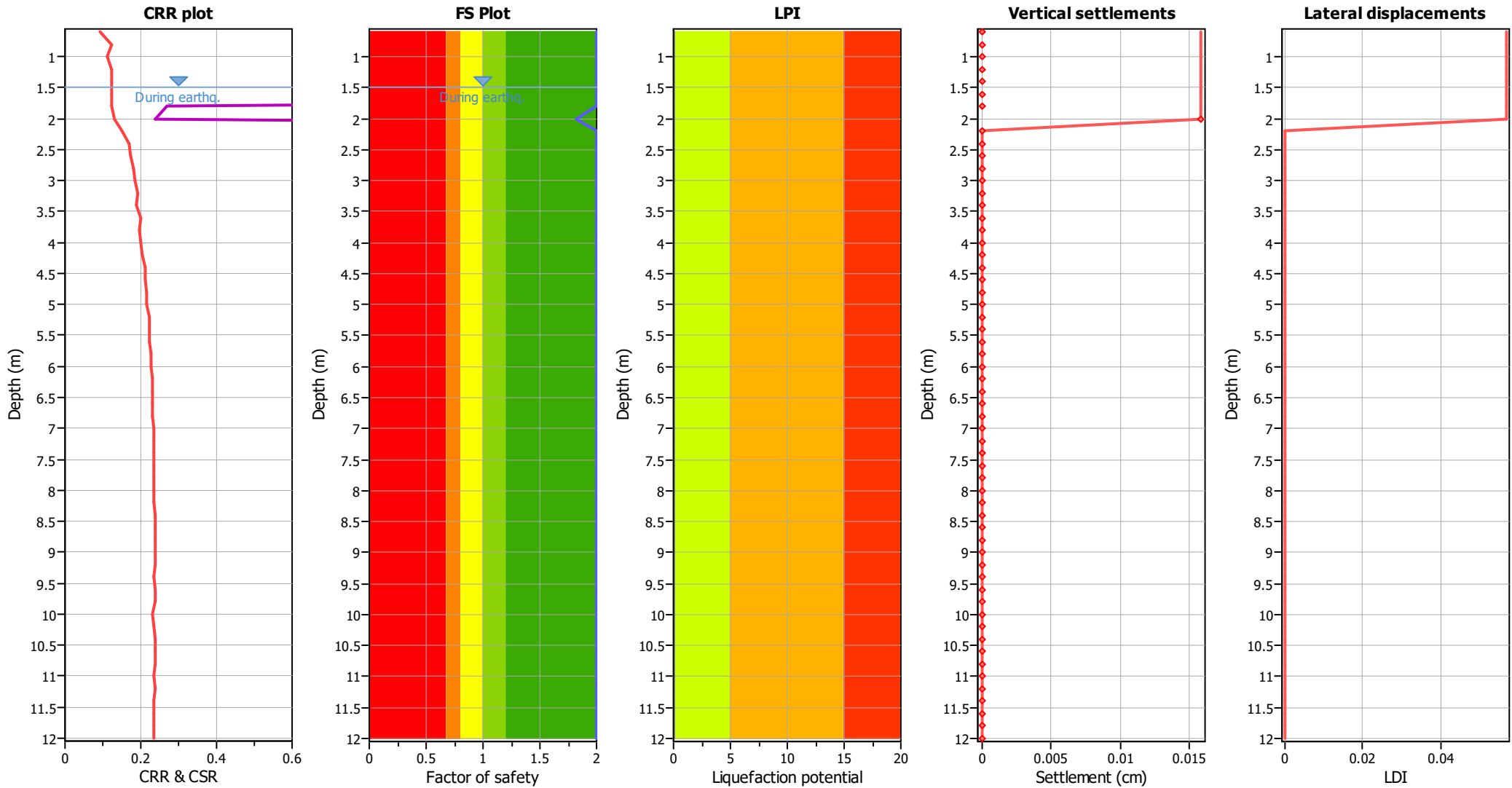
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	1.81	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	63.86	2.00	0.00	1.00	0.00	1.80	146.52	2.00	0.00	1.00	0.00
2.00	140.91	1.81	0.08	1.00	0.02	2.20	49.85	2.00	0.00	1.00	0.00
2.40	25.26	2.00	0.00	1.00	0.00	2.60	24.50	2.00	0.00	1.00	0.00
2.80	21.39	2.00	0.00	1.00	0.00	3.00	16.99	2.00	0.00	1.00	0.00
3.20	18.10	2.00	0.00	1.00	0.00	3.40	26.95	2.00	0.00	1.00	0.00
3.60	16.29	2.00	0.00	1.00	0.00	3.80	28.73	2.00	0.00	1.00	0.00
4.00	23.40	2.00	0.00	1.00	0.00	4.20	21.82	2.00	0.00	1.00	0.00
4.40	17.84	2.00	0.00	1.00	0.00	4.60	18.83	2.00	0.00	1.00	0.00
4.80	13.76	2.00	0.00	1.00	0.00	5.00	18.42	2.00	0.00	1.00	0.00
5.20	12.24	2.00	0.00	1.00	0.00	5.40	10.91	2.00	0.00	1.00	0.00
5.60	13.16	2.00	0.00	1.00	0.00	5.80	13.03	2.00	0.00	1.00	0.00
6.00	11.73	2.00	0.00	1.00	0.00	6.20	10.47	2.00	0.00	1.00	0.00
6.40	11.50	2.00	0.00	1.00	0.00	6.60	11.39	2.00	0.00	1.00	0.00
6.80	15.74	2.00	0.00	1.00	0.00	7.00	13.39	2.00	0.00	1.00	0.00
7.20	13.26	2.00	0.00	1.00	0.00	7.40	12.06	2.00	0.00	1.00	0.00
7.60	19.46	2.00	0.00	1.00	0.00	7.80	16.10	2.00	0.00	1.00	0.00
8.00	19.12	2.00	0.00	1.00	0.00	8.20	17.91	2.00	0.00	1.00	0.00
8.40	14.64	2.00	0.00	1.00	0.00	8.60	13.48	2.00	0.00	1.00	0.00
8.80	11.32	2.00	0.00	1.00	0.00	9.00	13.26	2.00	0.00	1.00	0.00
9.20	14.16	2.00	0.00	1.00	0.00	9.40	17.04	2.00	0.00	1.00	0.00
9.60	15.90	2.00	0.00	1.00	0.00	9.80	10.83	2.00	0.00	1.00	0.00
10.00	24.43	2.00	0.00	1.00	0.00	10.20	17.45	2.00	0.00	1.00	0.00
10.40	14.43	2.00	0.00	1.00	0.00	10.60	12.41	2.00	0.00	1.00	0.00
10.80	13.27	2.00	0.00	1.00	0.00	11.00	14.12	2.00	0.00	1.00	0.00
11.20	12.15	2.00	0.00	1.00	0.00	11.40	13.92	2.00	0.00	1.00	0.00
11.60	16.61	2.00	0.00	1.00	0.00	11.80	15.57	2.00	0.00	1.00	0.00
12.00	69.29	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.02

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

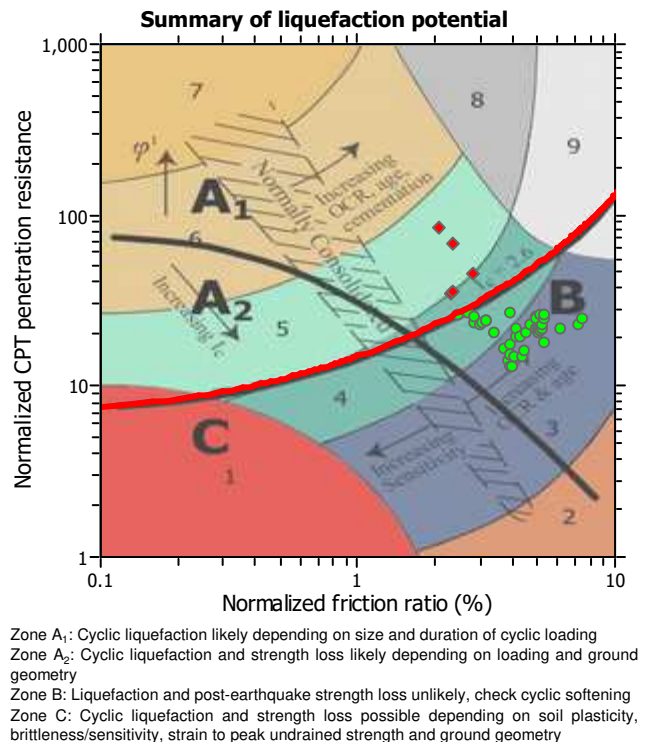
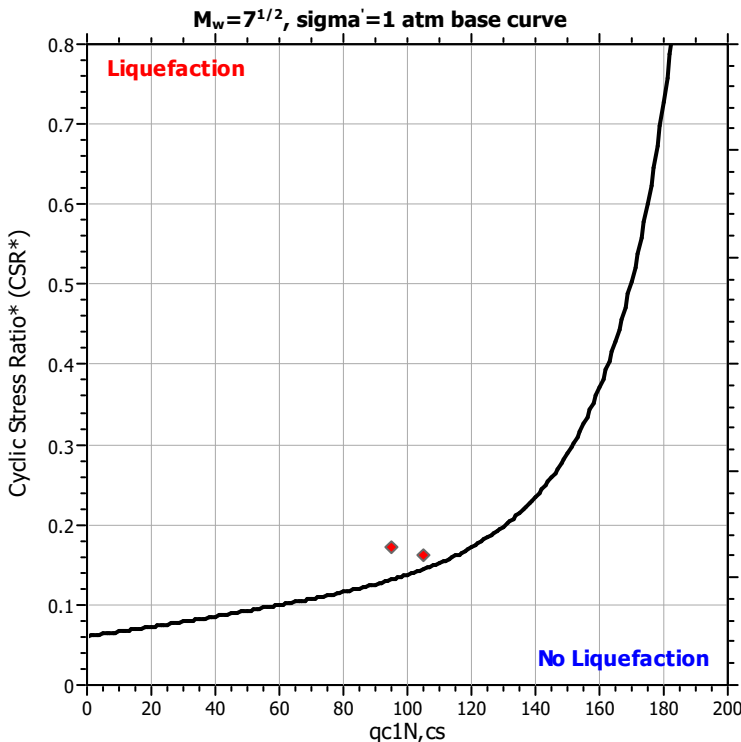
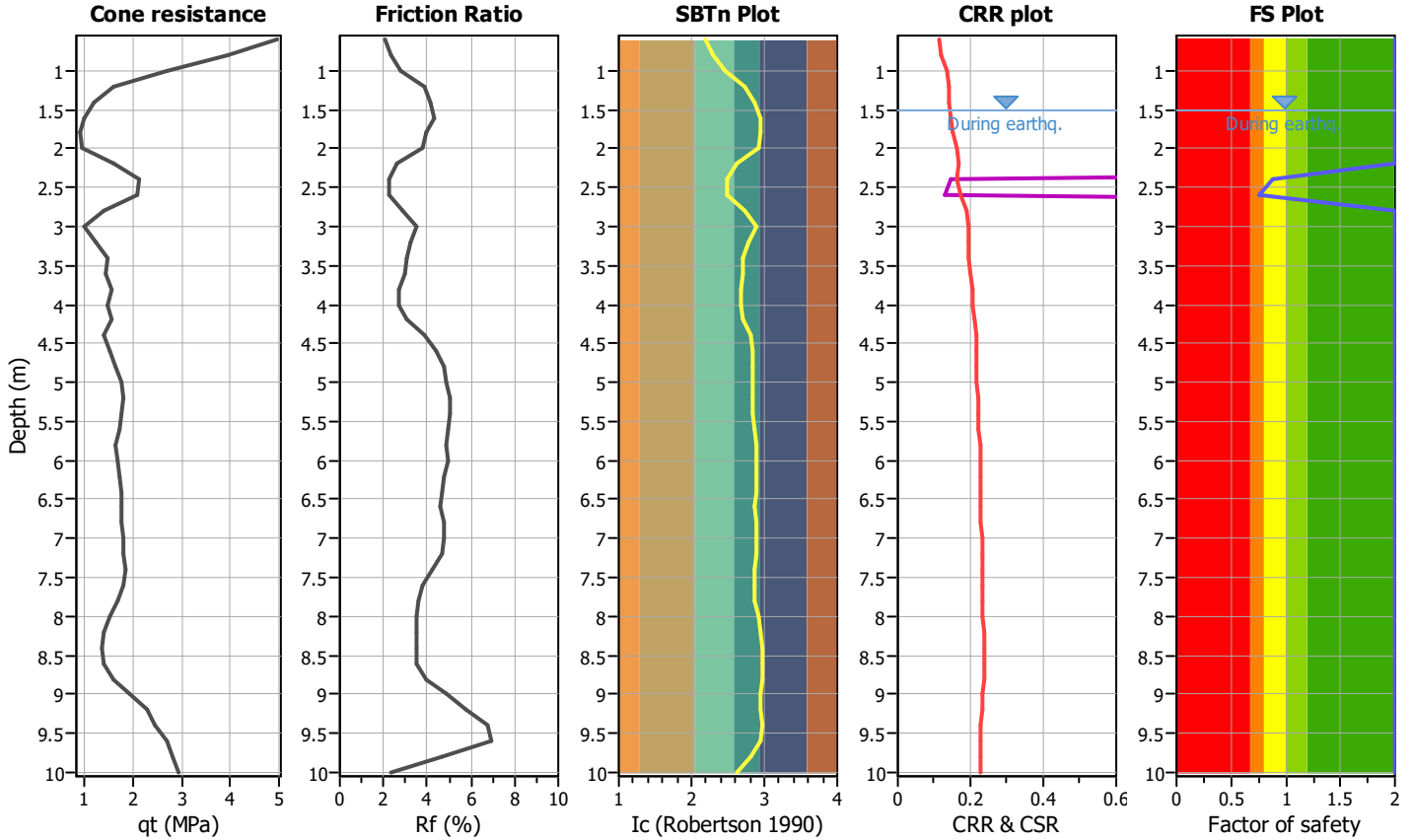
Project title :

Location :

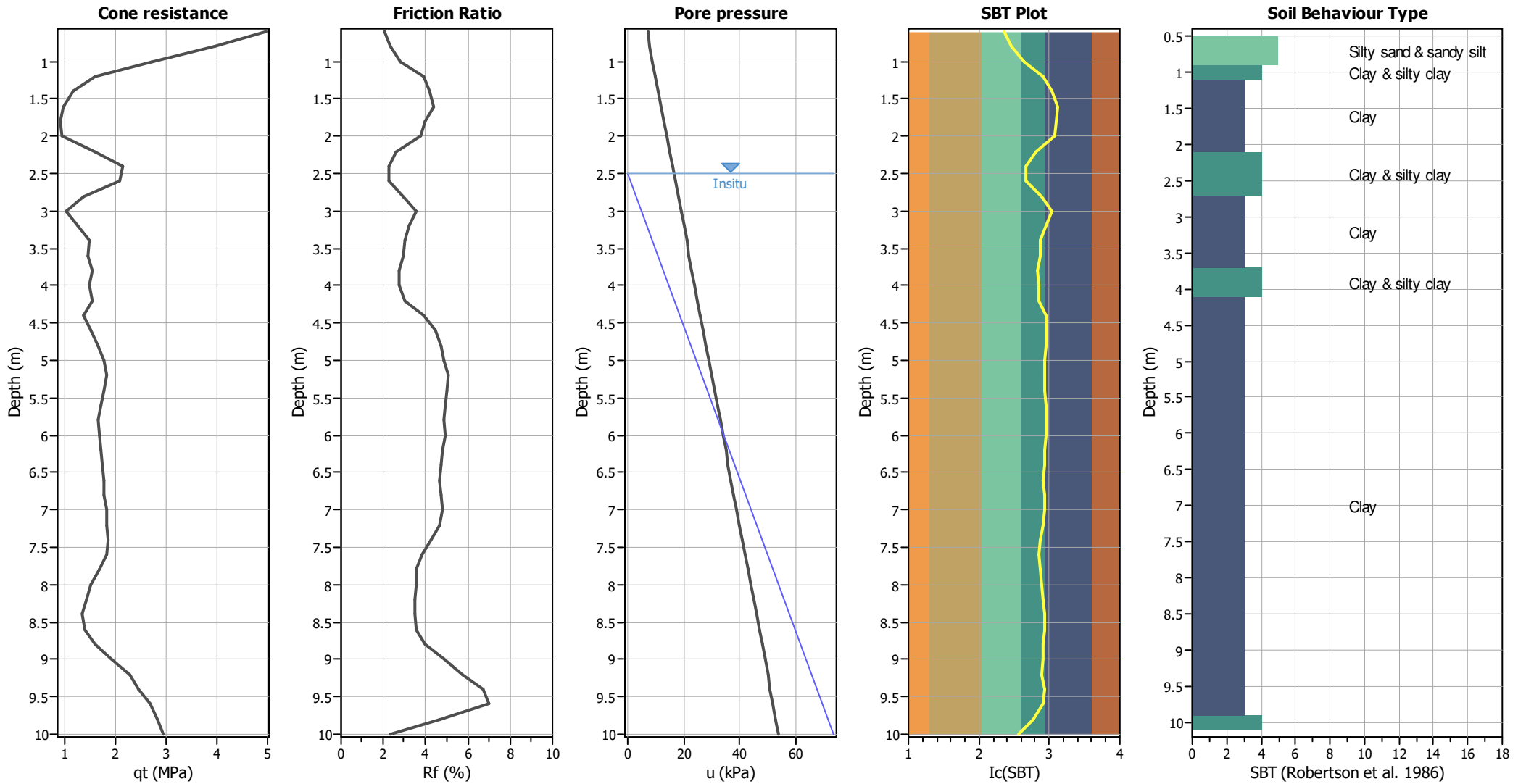
CPT file : P163_CPT154

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



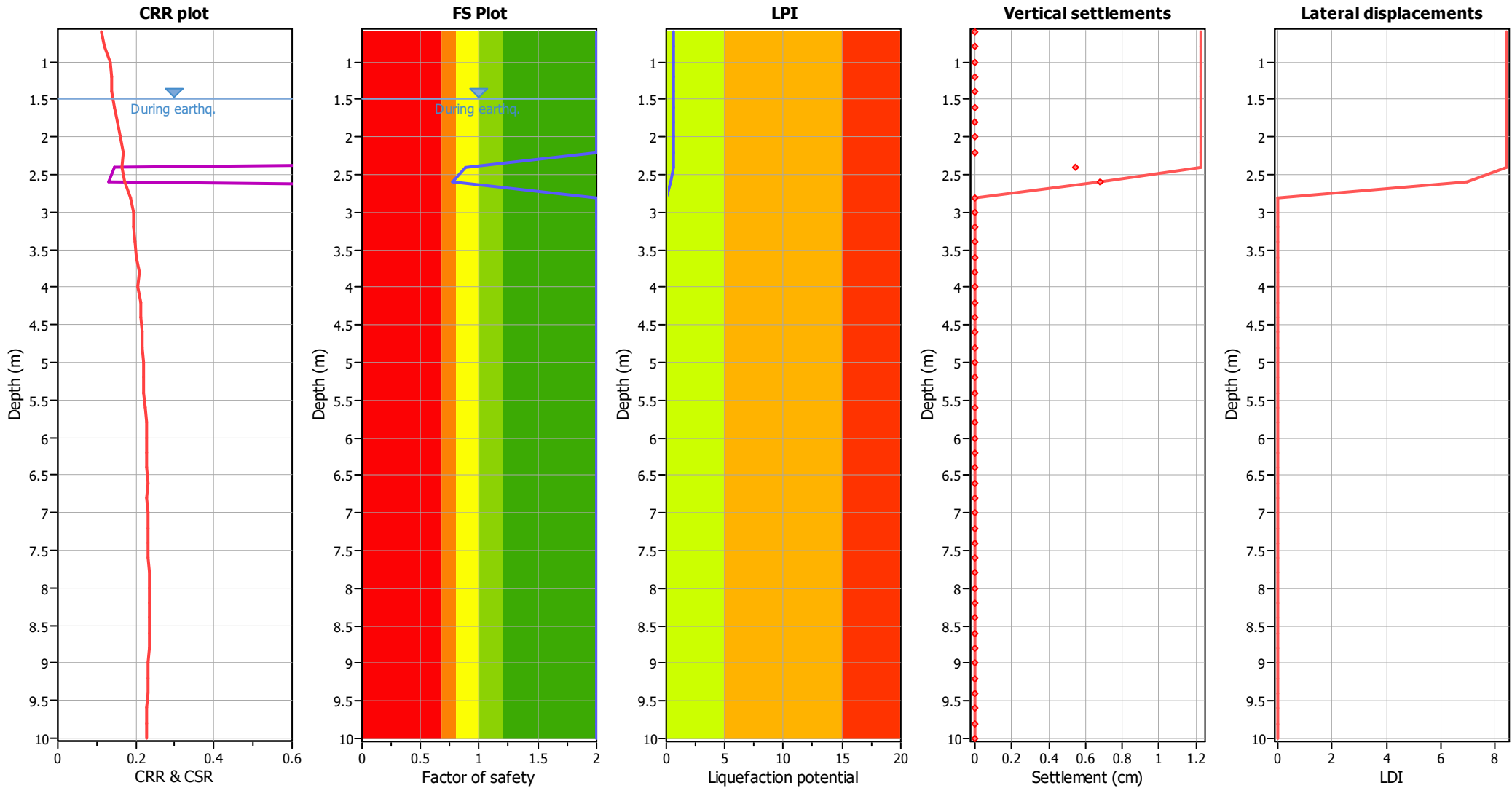
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	0.89	0.11	8.80	0.20	0.20
2.60	0.76	0.24	8.70	0.20	0.41	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.61

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

:: 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)
1.60	16.78	2.00	0.00	1.00	0.00	1.80	15.10	2.00	0.00	1.00	0.00
2.00	13.42	2.00	0.00	1.00	0.00	2.20	18.36	2.00	0.00	1.00	0.00
2.40	104.87	0.89	2.75	1.00	0.55	2.60	94.94	0.76	3.39	1.00	0.68
2.80	13.76	2.00	0.00	1.00	0.00	3.00	12.04	2.00	0.00	1.00	0.00
3.20	18.92	2.00	0.00	1.00	0.00	3.40	22.73	2.00	0.00	1.00	0.00
3.60	21.05	2.00	0.00	1.00	0.00	3.80	16.75	2.00	0.00	1.00	0.00
4.00	25.65	2.00	0.00	1.00	0.00	4.20	17.56	2.00	0.00	1.00	0.00
4.40	18.56	2.00	0.00	1.00	0.00	4.60	18.29	2.00	0.00	1.00	0.00
4.80	21.76	2.00	0.00	1.00	0.00	5.00	22.67	2.00	0.00	1.00	0.00
5.20	22.36	2.00	0.00	1.00	0.00	5.40	22.06	2.00	0.00	1.00	0.00
5.60	20.60	2.00	0.00	1.00	0.00	5.80	19.16	2.00	0.00	1.00	0.00
6.00	18.92	2.00	0.00	1.00	0.00	6.20	20.98	2.00	0.00	1.00	0.00
6.40	19.60	2.00	0.00	1.00	0.00	6.60	19.37	2.00	0.00	1.00	0.00
6.80	21.36	2.00	0.00	1.00	0.00	7.00	18.92	2.00	0.00	1.00	0.00
7.20	19.80	2.00	0.00	1.00	0.00	7.40	20.66	2.00	0.00	1.00	0.00
7.60	19.38	2.00	0.00	1.00	0.00	7.80	18.13	2.00	0.00	1.00	0.00
8.00	15.85	2.00	0.00	1.00	0.00	8.20	13.62	2.00	0.00	1.00	0.00
8.40	14.52	2.00	0.00	1.00	0.00	8.60	13.36	2.00	0.00	1.00	0.00
8.80	14.25	2.00	0.00	1.00	0.00	9.00	20.14	2.00	0.00	1.00	0.00
9.20	22.92	2.00	0.00	1.00	0.00	9.40	24.67	2.00	0.00	1.00	0.00
9.60	24.42	2.00	0.00	1.00	0.00	9.80	29.05	2.00	0.00	1.00	0.00
10.00	27.83	2.00	0.00	1.00	0.00						

Total estimated settlement: 1.23

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

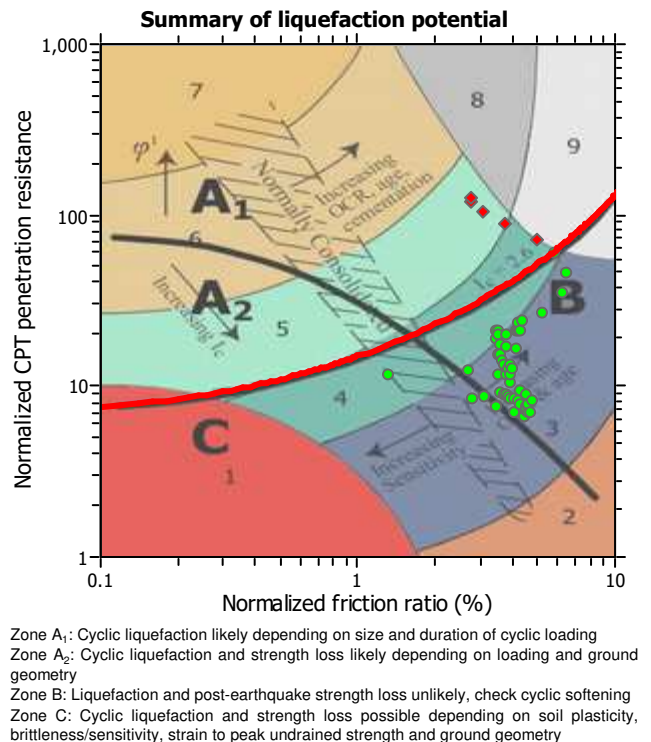
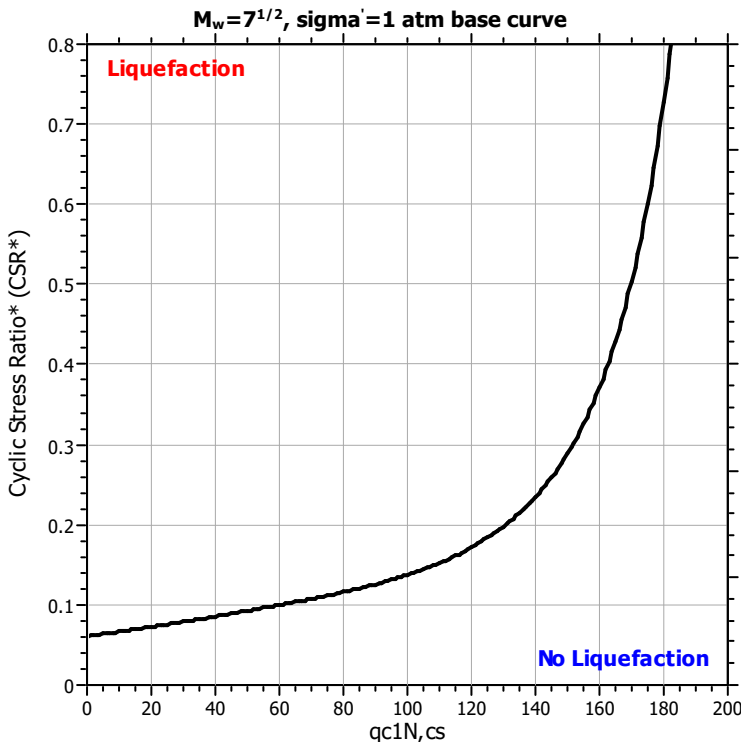
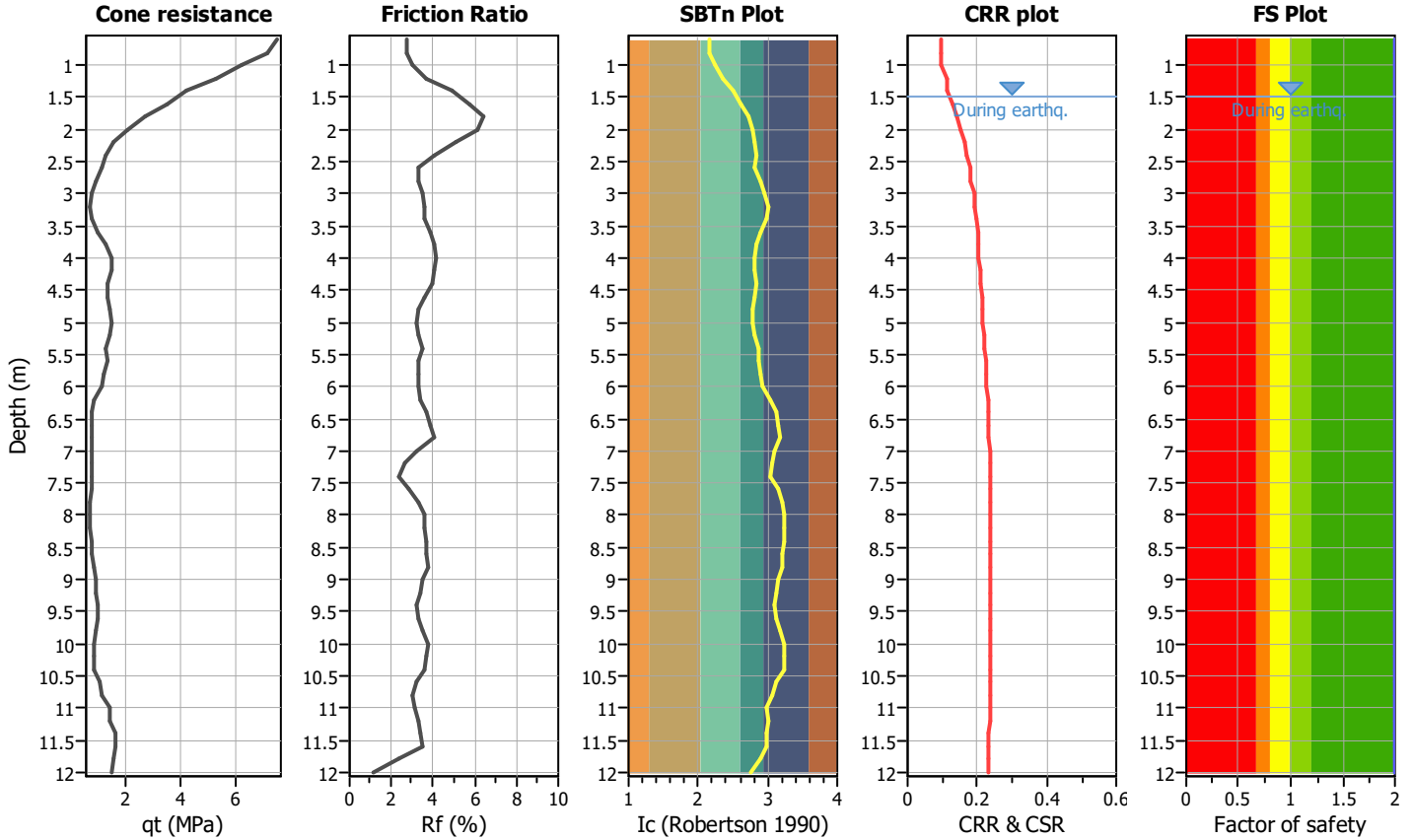
Project title :

Location :

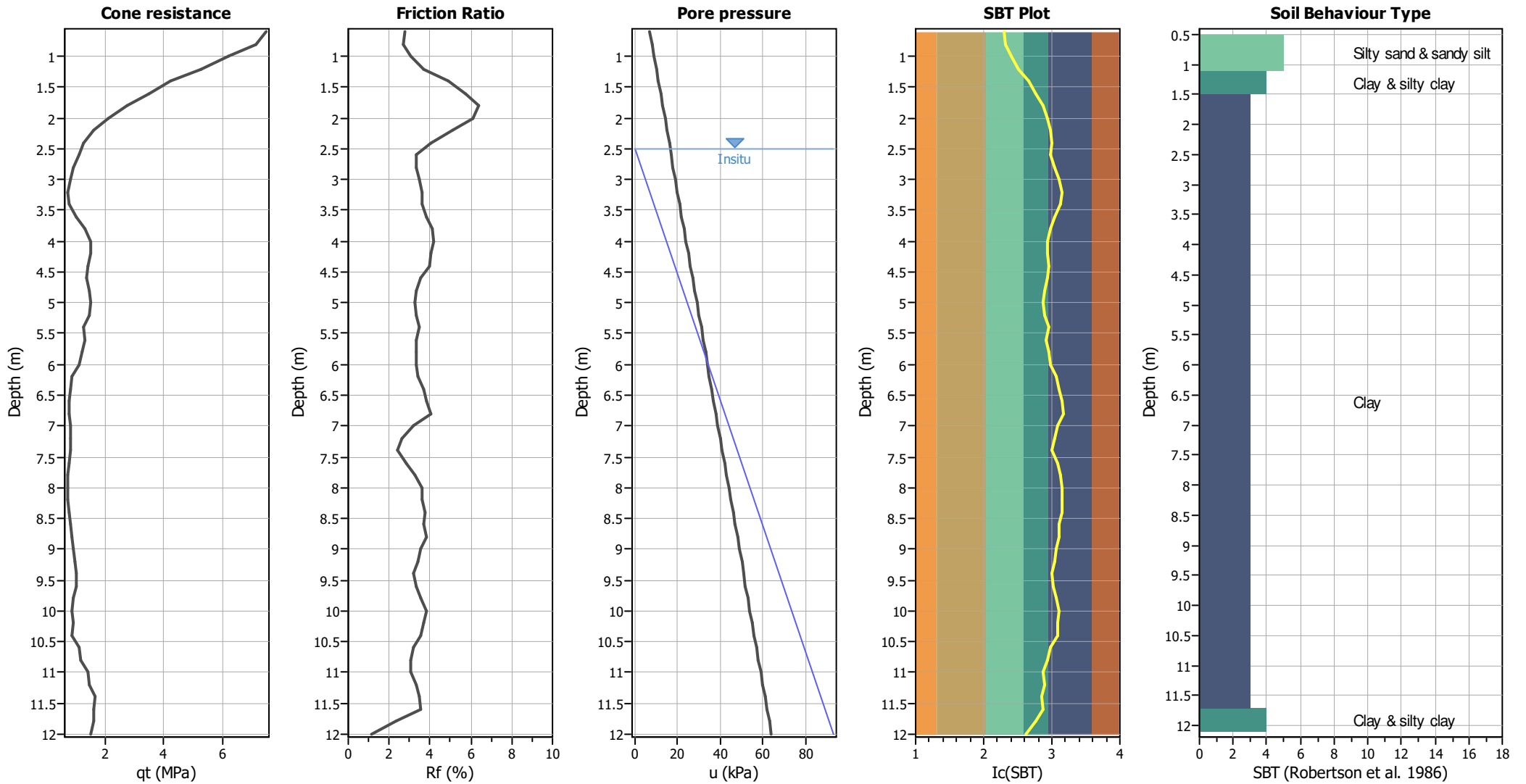
CPT file : P164_CPT155

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



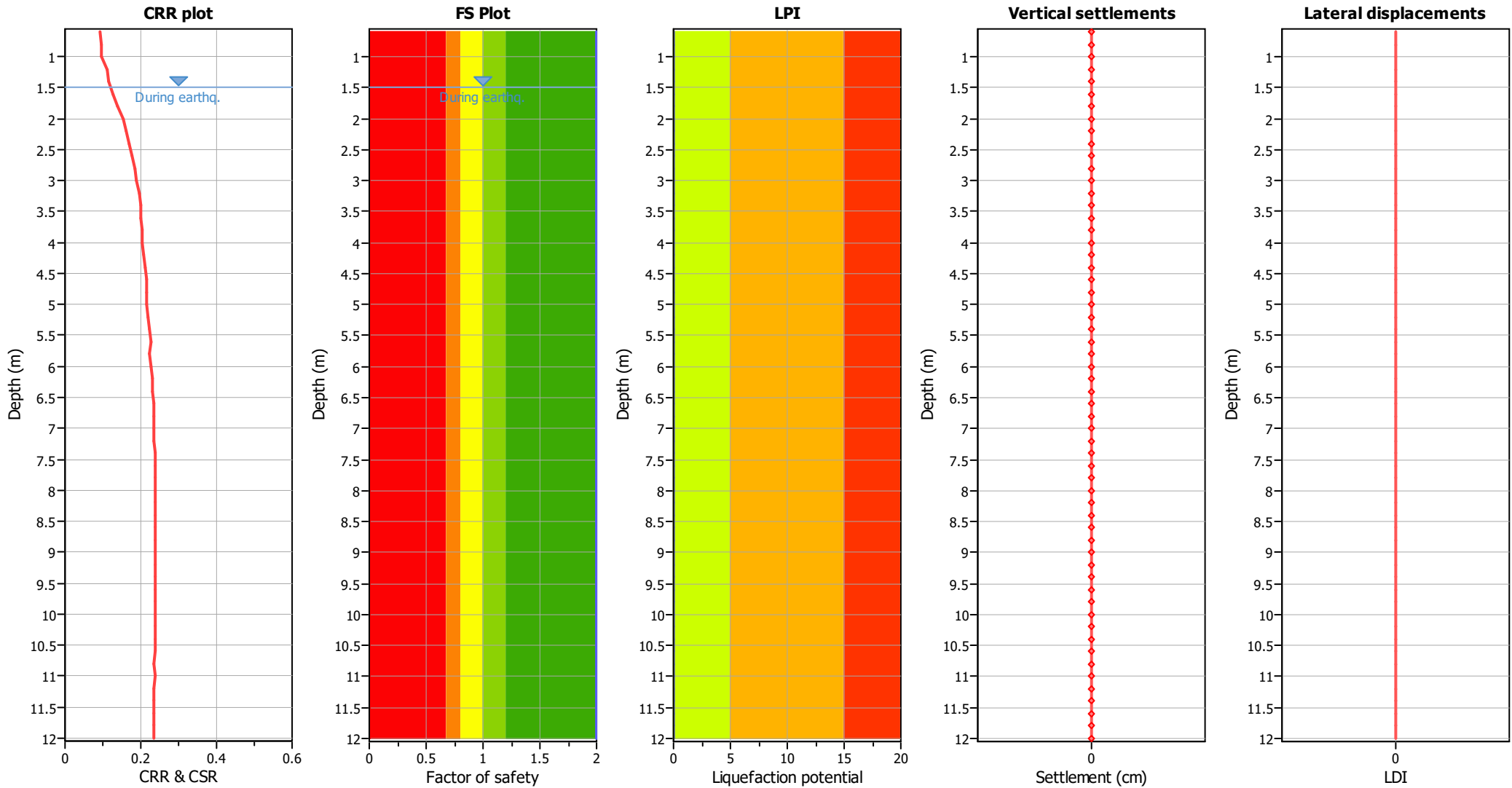
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	56.61	2.00	0.00	1.00	0.00	1.80	45.48	2.00	0.00	1.00	0.00
2.00	32.03	2.00	0.00	1.00	0.00	2.20	23.48	2.00	0.00	1.00	0.00
2.40	19.70	2.00	0.00	1.00	0.00	2.60	14.92	2.00	0.00	1.00	0.00
2.80	16.08	2.00	0.00	1.00	0.00	3.00	10.22	2.00	0.00	1.00	0.00
3.20	10.07	2.00	0.00	1.00	0.00	3.40	11.30	2.00	0.00	1.00	0.00
3.60	12.49	2.00	0.00	1.00	0.00	3.80	18.89	2.00	0.00	1.00	0.00
4.00	21.18	2.00	0.00	1.00	0.00	4.20	20.88	2.00	0.00	1.00	0.00
4.40	18.09	2.00	0.00	1.00	0.00	4.60	15.37	2.00	0.00	1.00	0.00
4.80	18.85	2.00	0.00	1.00	0.00	5.00	21.02	2.00	0.00	1.00	0.00
5.20	15.98	2.00	0.00	1.00	0.00	5.40	16.97	2.00	0.00	1.00	0.00
5.60	13.24	2.00	0.00	1.00	0.00	5.80	17.74	2.00	0.00	1.00	0.00
6.00	11.77	2.00	0.00	1.00	0.00	6.20	10.49	2.00	0.00	1.00	0.00
6.40	9.24	2.00	0.00	1.00	0.00	6.60	9.14	2.00	0.00	1.00	0.00
6.80	9.05	2.00	0.00	1.00	0.00	7.00	7.85	2.00	0.00	1.00	0.00
7.20	11.08	2.00	0.00	1.00	0.00	7.40	8.80	2.00	0.00	1.00	0.00
7.60	7.63	2.00	0.00	1.00	0.00	7.80	8.64	2.00	0.00	1.00	0.00
8.00	7.49	2.00	0.00	1.00	0.00	8.20	7.43	2.00	0.00	1.00	0.00
8.40	8.41	2.00	0.00	1.00	0.00	8.60	8.33	2.00	0.00	1.00	0.00
8.80	9.28	2.00	0.00	1.00	0.00	9.00	9.20	2.00	0.00	1.00	0.00
9.20	10.13	2.00	0.00	1.00	0.00	9.40	10.05	2.00	0.00	1.00	0.00
9.60	10.96	2.00	0.00	1.00	0.00	9.80	8.89	2.00	0.00	1.00	0.00
10.00	7.84	2.00	0.00	1.00	0.00	10.20	8.75	2.00	0.00	1.00	0.00
10.40	9.64	2.00	0.00	1.00	0.00	10.60	6.69	2.00	0.00	1.00	0.00
10.80	15.20	2.00	0.00	1.00	0.00	11.00	11.30	2.00	0.00	1.00	0.00
11.20	14.02	2.00	0.00	1.00	0.00	11.40	15.78	2.00	0.00	1.00	0.00
11.60	16.58	2.00	0.00	1.00	0.00	11.80	12.77	2.00	0.00	1.00	0.00
12.00	14.51	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

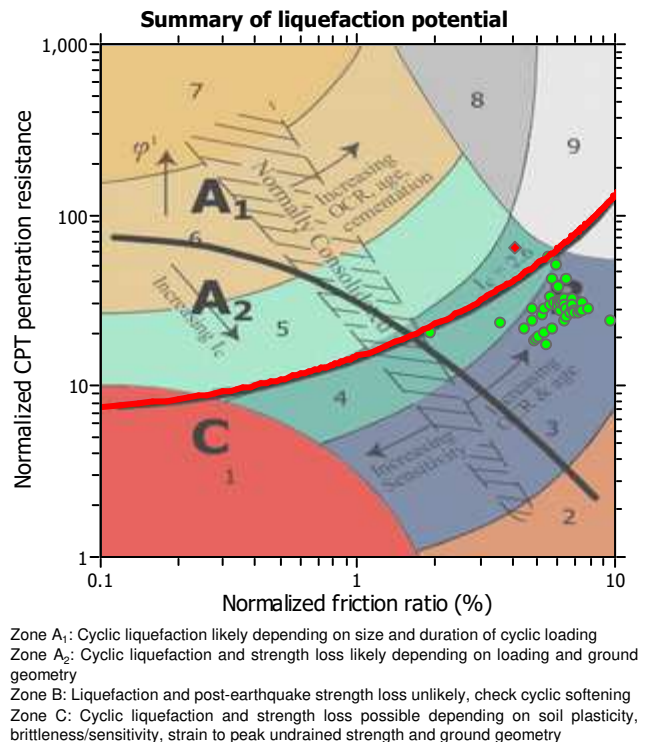
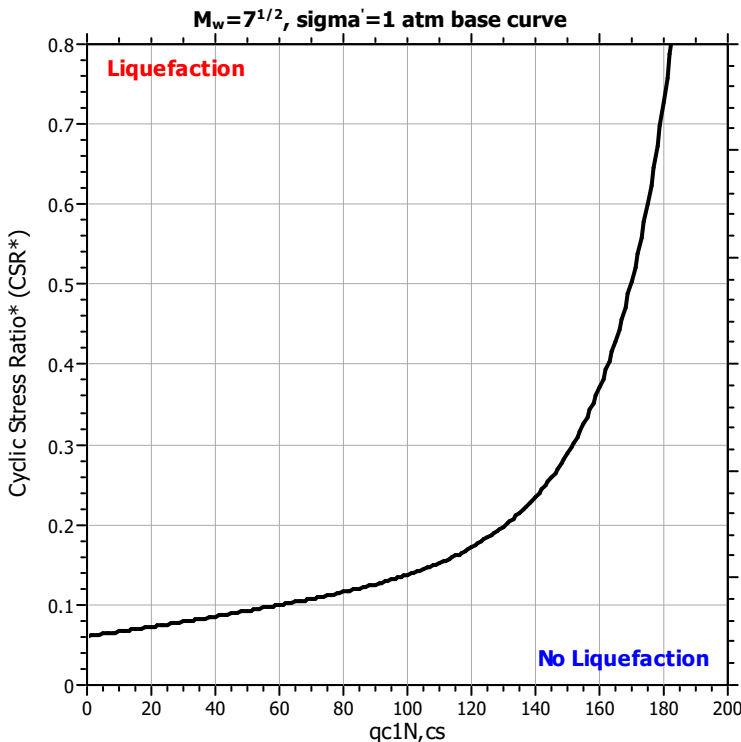
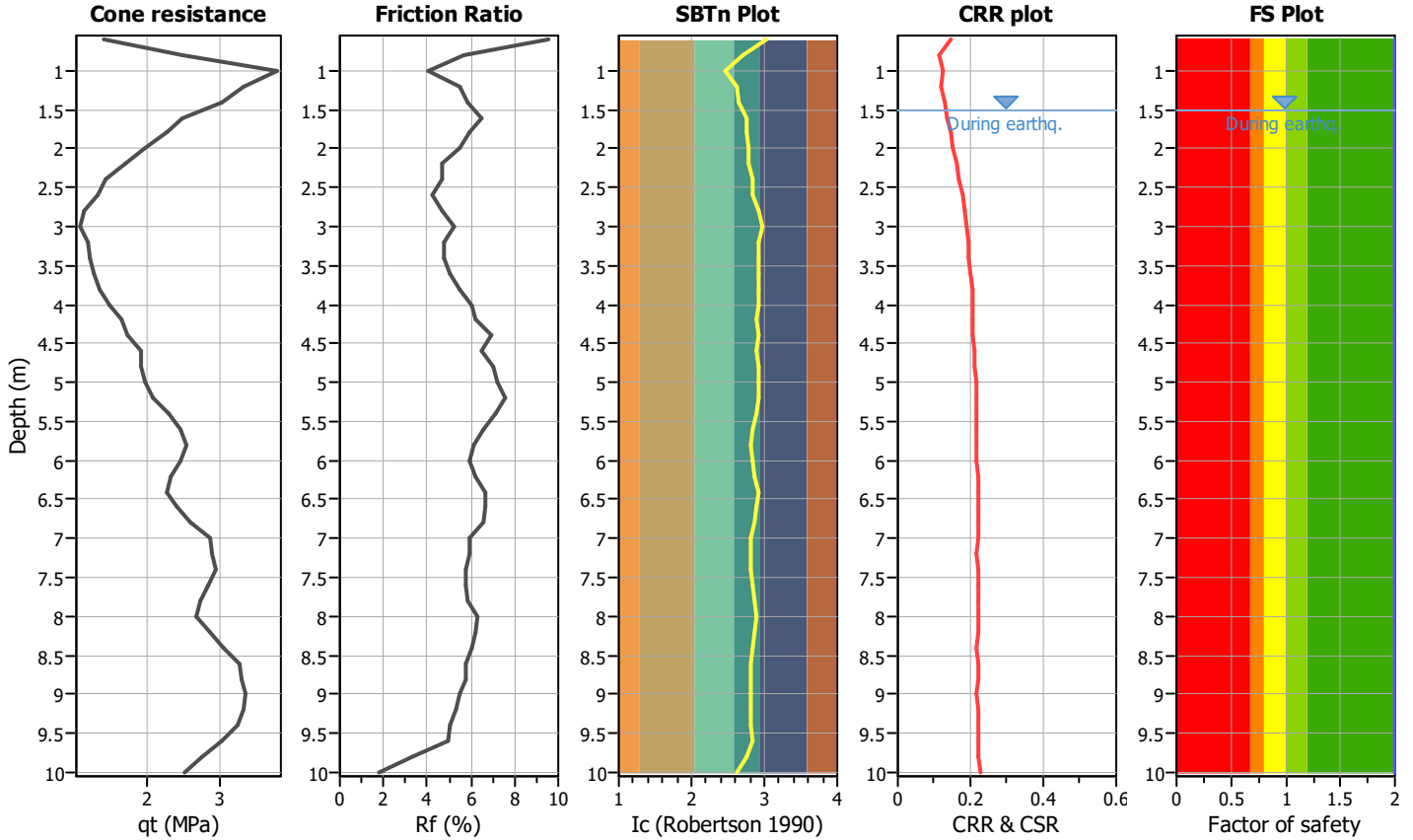
Project title :

Location :

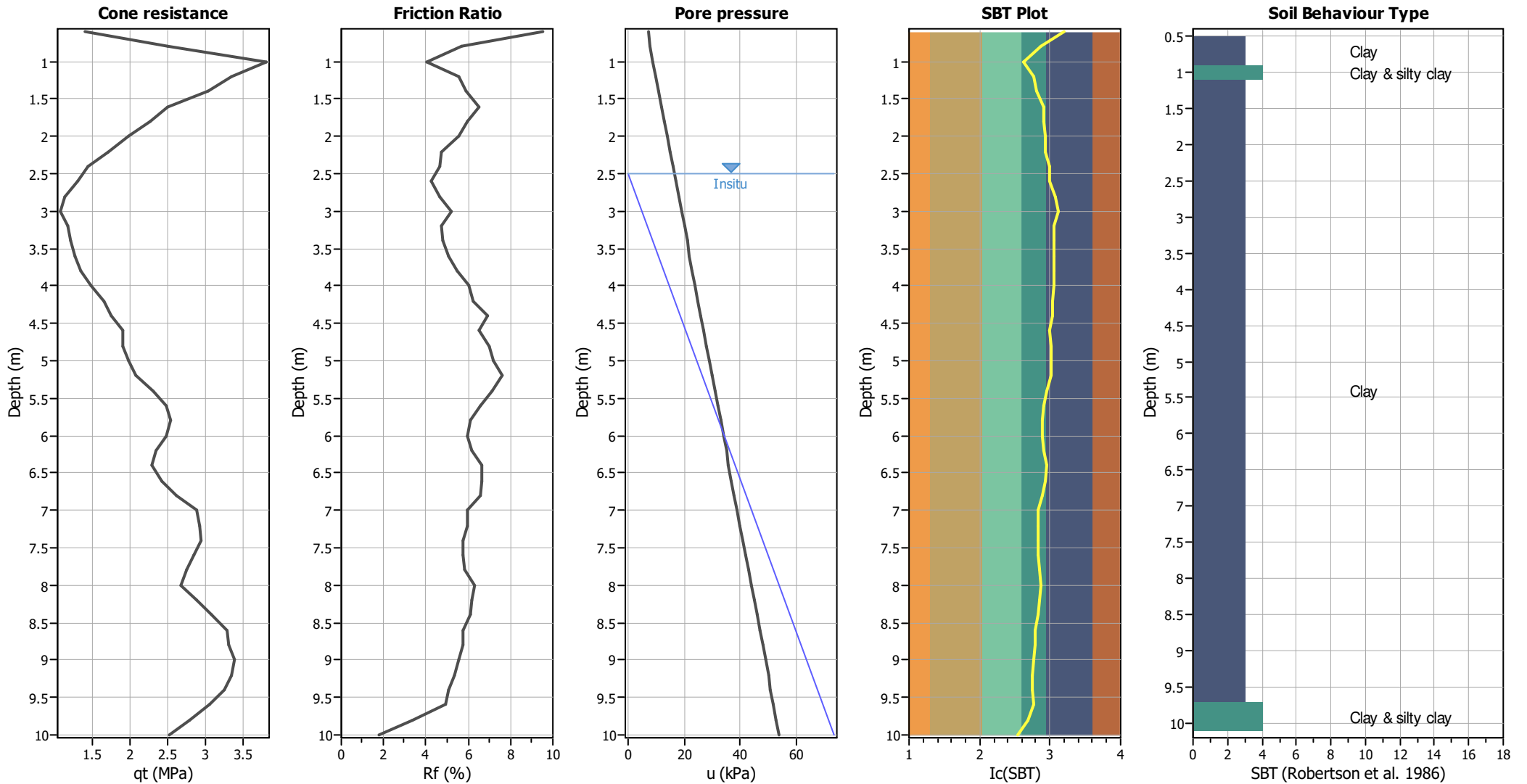
CPT file : P165_CPT156

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



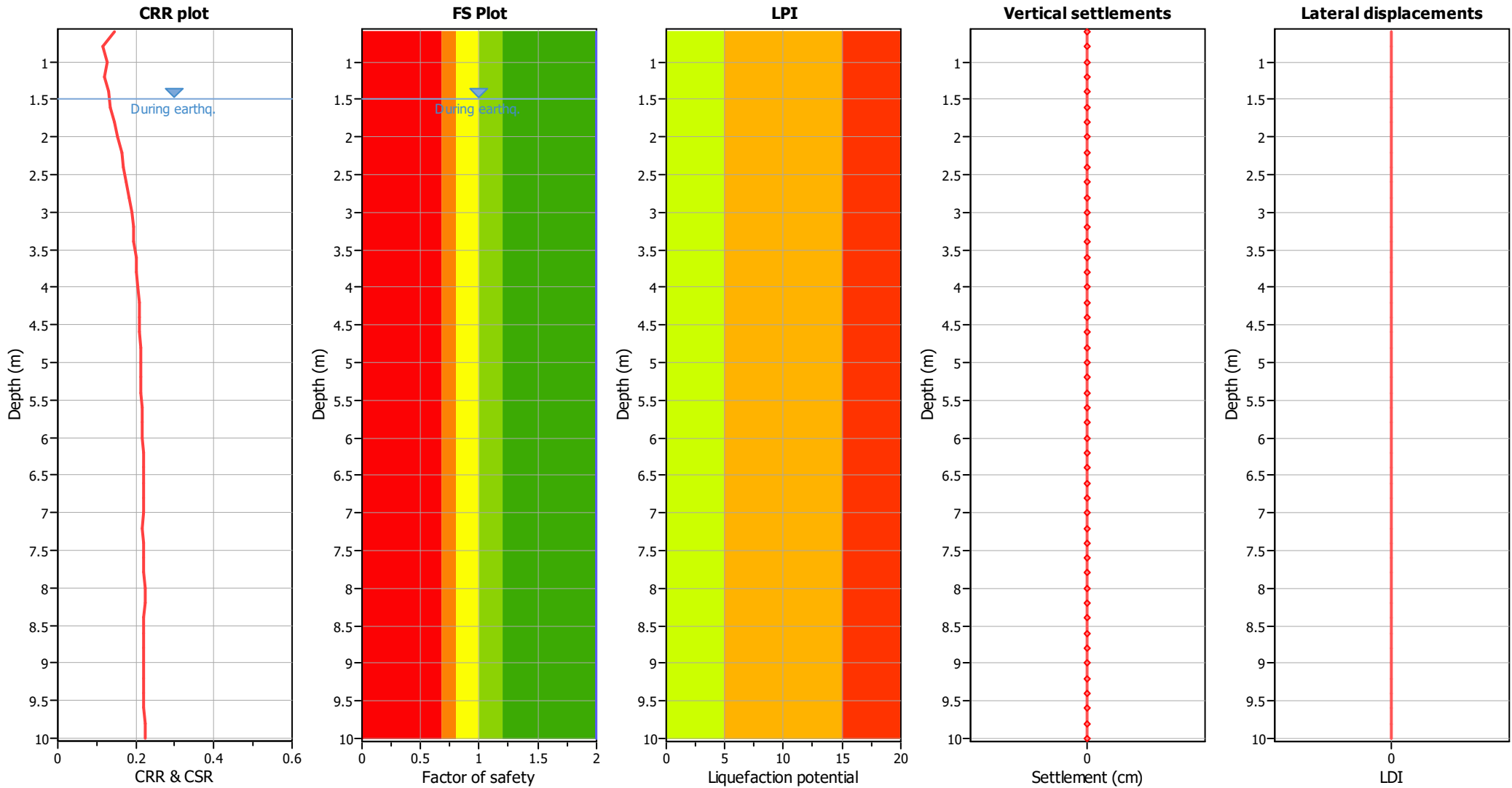
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	40.27	2.00	0.00	1.00	0.00	1.80	38.59	2.00	0.00	1.00	0.00
2.00	34.02	2.00	0.00	1.00	0.00	2.20	23.84	2.00	0.00	1.00	0.00
2.40	22.85	2.00	0.00	1.00	0.00	2.60	19.39	2.00	0.00	1.00	0.00
2.80	16.23	2.00	0.00	1.00	0.00	3.00	14.55	2.00	0.00	1.00	0.00
3.20	15.70	2.00	0.00	1.00	0.00	3.40	19.49	2.00	0.00	1.00	0.00
3.60	15.21	2.00	0.00	1.00	0.00	3.80	17.59	2.00	0.00	1.00	0.00
4.00	21.16	2.00	0.00	1.00	0.00	4.20	19.59	2.00	0.00	1.00	0.00
4.40	23.00	2.00	0.00	1.00	0.00	4.60	23.89	2.00	0.00	1.00	0.00
4.80	24.74	2.00	0.00	1.00	0.00	5.00	22.03	2.00	0.00	1.00	0.00
5.20	25.23	2.00	0.00	1.00	0.00	5.40	27.20	2.00	0.00	1.00	0.00
5.60	29.11	2.00	0.00	1.00	0.00	5.80	29.87	2.00	0.00	1.00	0.00
6.00	28.40	2.00	0.00	1.00	0.00	6.20	25.86	2.00	0.00	1.00	0.00
6.40	24.45	2.00	0.00	1.00	0.00	6.60	25.24	2.00	0.00	1.00	0.00
6.80	29.22	2.00	0.00	1.00	0.00	7.00	29.95	2.00	0.00	1.00	0.00
7.20	32.75	2.00	0.00	1.00	0.00	7.40	29.30	2.00	0.00	1.00	0.00
7.60	30.01	2.00	0.00	1.00	0.00	7.80	28.69	2.00	0.00	1.00	0.00
8.00	25.36	2.00	0.00	1.00	0.00	8.20	27.11	2.00	0.00	1.00	0.00
8.40	33.78	2.00	0.00	1.00	0.00	8.60	30.50	2.00	0.00	1.00	0.00
8.80	32.16	2.00	0.00	1.00	0.00	9.00	33.80	2.00	0.00	1.00	0.00
9.20	31.56	2.00	0.00	1.00	0.00	9.40	30.33	2.00	0.00	1.00	0.00
9.60	30.06	2.00	0.00	1.00	0.00	9.80	25.11	2.00	0.00	1.00	0.00
10.00	22.12	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

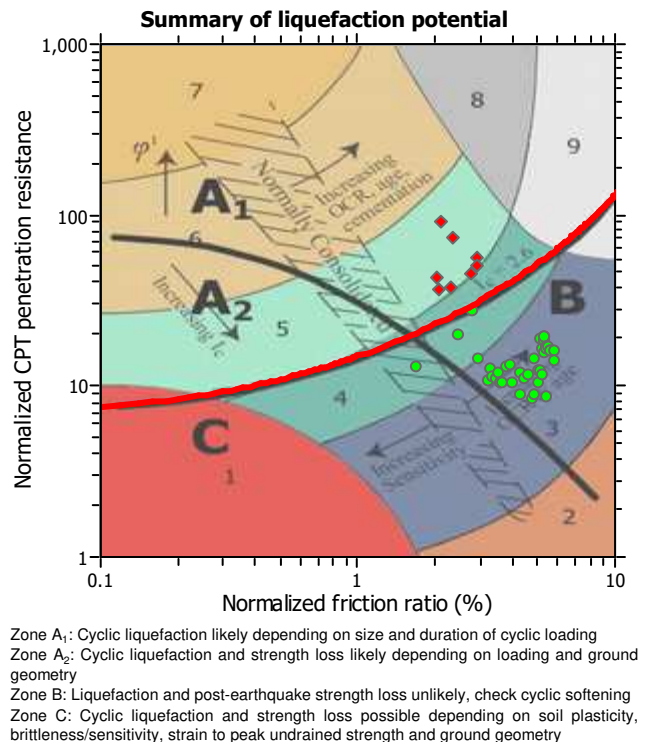
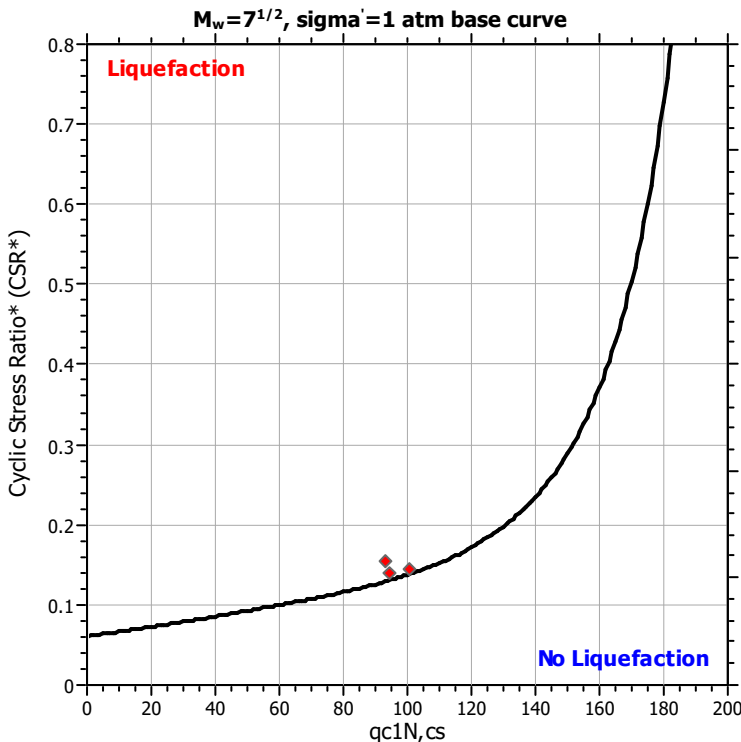
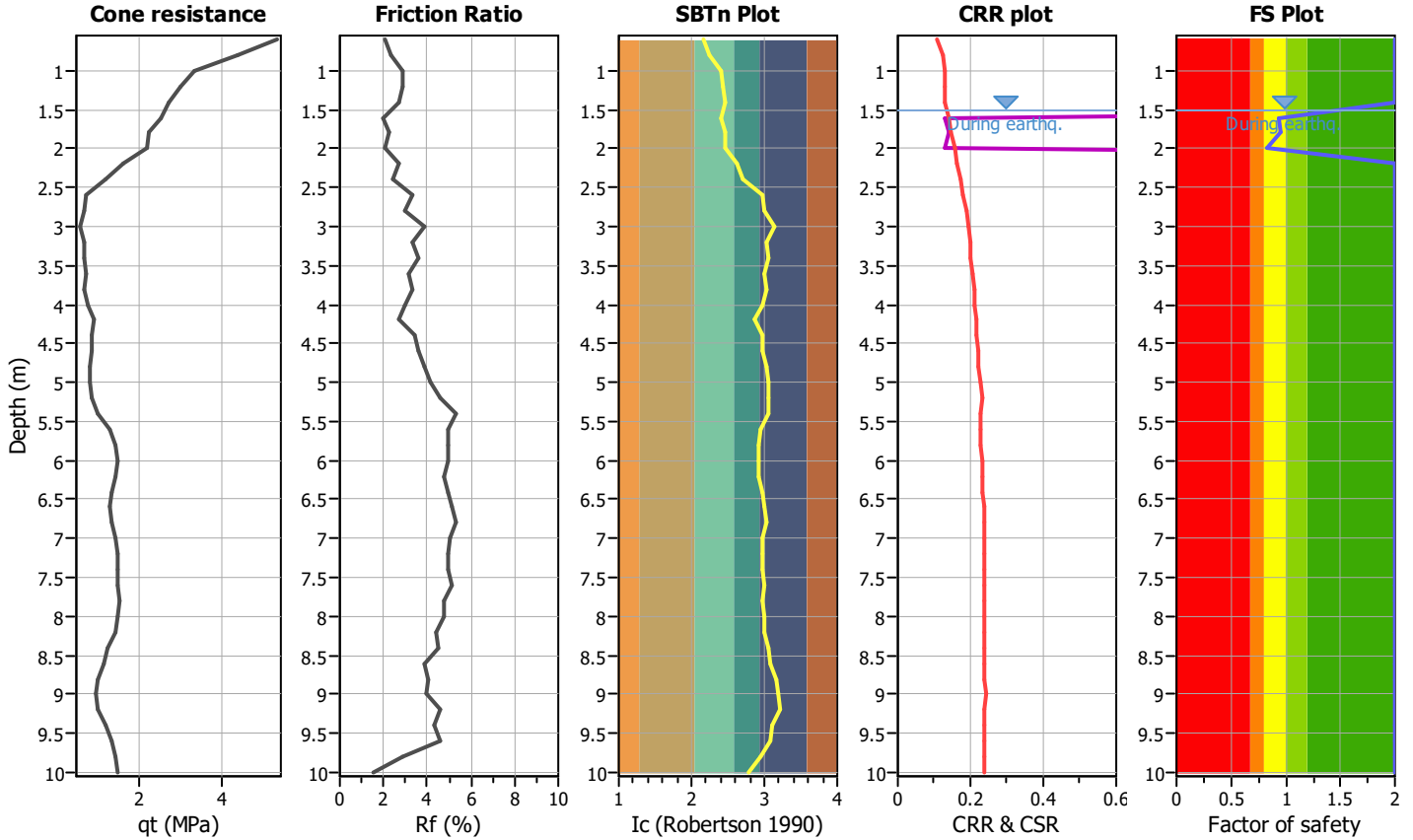
Project title :

Location :

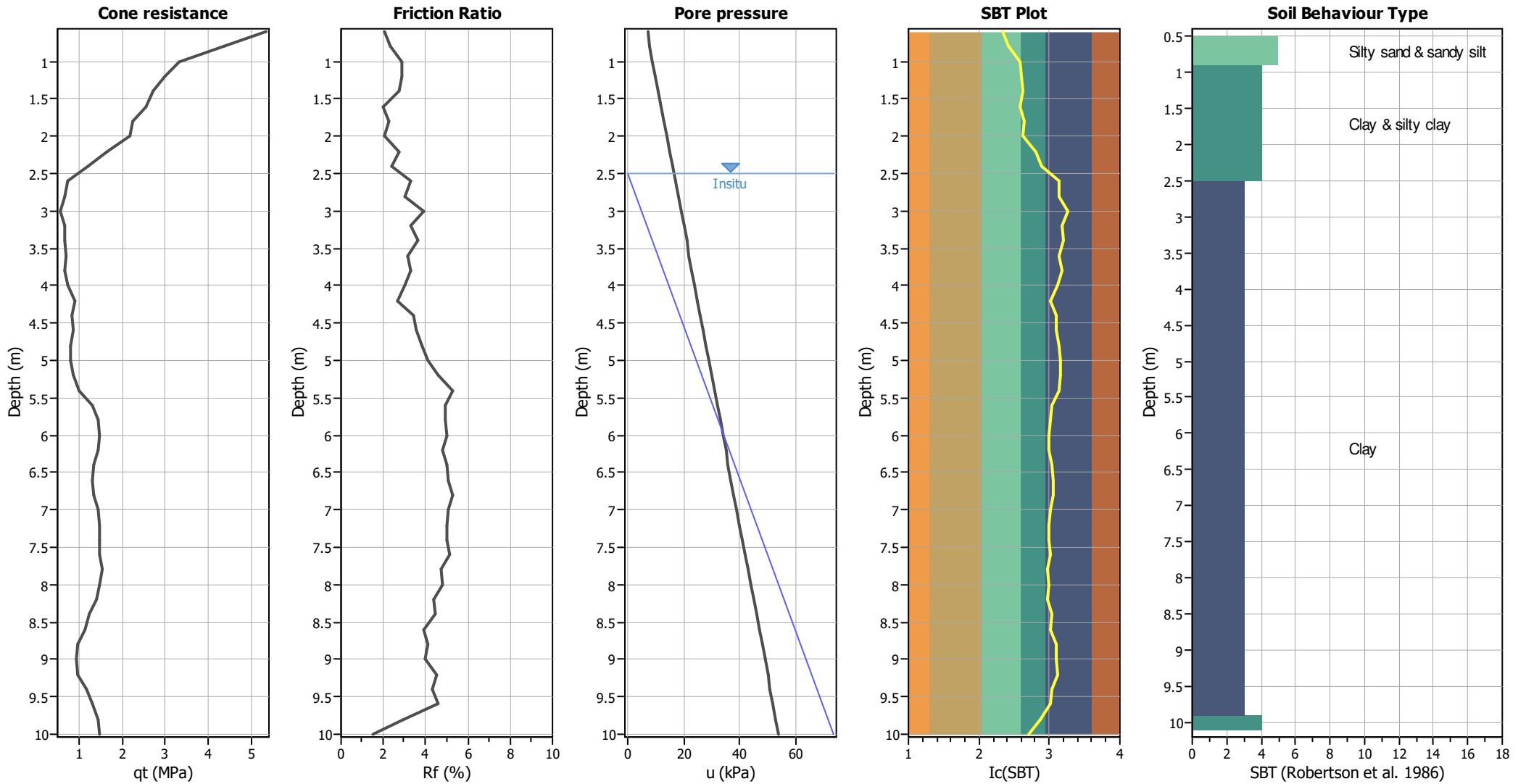
CPT file : P166_CPT157

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



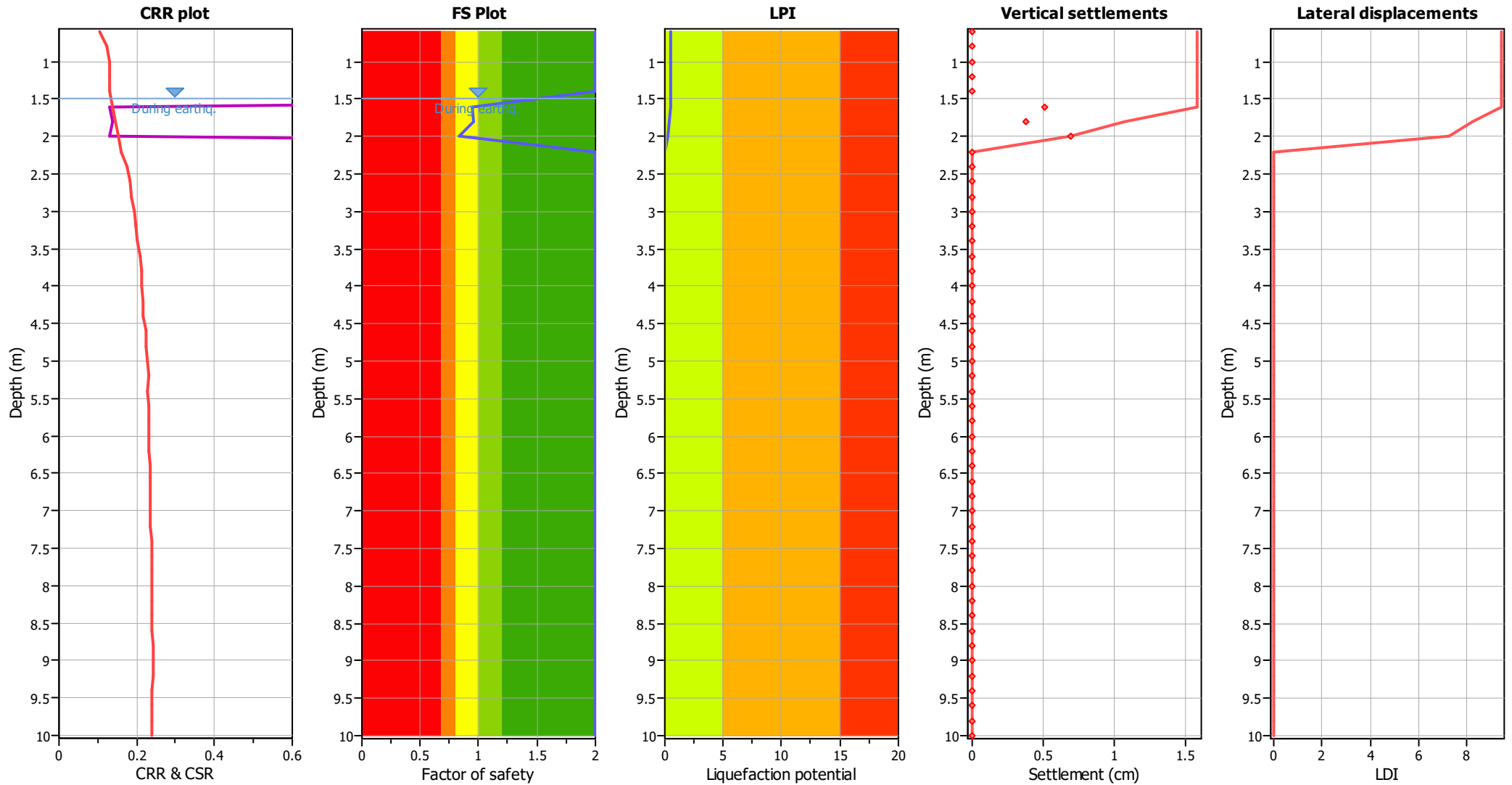
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	0.94	0.06	9.20	0.20	0.11
1.80	0.95	0.05	9.10	0.20	0.09	2.00	0.84	0.16	9.00	0.20	0.30
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.50

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

:: 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)
1.60	94.31	0.94	2.54	1.00	0.51	1.80	100.48	0.95	1.89	1.00	0.38
2.00	93.05	0.84	3.46	1.00	0.69	2.20	31.68	2.00	0.00	1.00	0.00
2.40	12.80	2.00	0.00	1.00	0.00	2.60	12.38	2.00	0.00	1.00	0.00
2.80	9.23	2.00	0.00	1.00	0.00	3.00	9.08	2.00	0.00	1.00	0.00
3.20	7.49	2.00	0.00	1.00	0.00	3.40	13.07	2.00	0.00	1.00	0.00
3.60	8.69	2.00	0.00	1.00	0.00	3.80	8.56	2.00	0.00	1.00	0.00
4.00	11.19	2.00	0.00	1.00	0.00	4.20	11.05	2.00	0.00	1.00	0.00
4.40	14.84	2.00	0.00	1.00	0.00	4.60	8.10	2.00	0.00	1.00	0.00
4.80	11.89	2.00	0.00	1.00	0.00	5.00	11.74	2.00	0.00	1.00	0.00
5.20	7.78	2.00	0.00	1.00	0.00	5.40	13.91	2.00	0.00	1.00	0.00
5.60	16.16	2.00	0.00	1.00	0.00	5.80	18.34	2.00	0.00	1.00	0.00
6.00	18.11	2.00	0.00	1.00	0.00	6.20	16.72	2.00	0.00	1.00	0.00
6.40	16.51	2.00	0.00	1.00	0.00	6.60	14.02	2.00	0.00	1.00	0.00
6.80	14.99	2.00	0.00	1.00	0.00	7.00	17.06	2.00	0.00	1.00	0.00
7.20	16.86	2.00	0.00	1.00	0.00	7.40	15.57	2.00	0.00	1.00	0.00
7.60	16.49	2.00	0.00	1.00	0.00	7.80	16.31	2.00	0.00	1.00	0.00
8.00	17.21	2.00	0.00	1.00	0.00	8.20	13.86	2.00	0.00	1.00	0.00
8.40	13.72	2.00	0.00	1.00	0.00	8.60	11.51	2.00	0.00	1.00	0.00
8.80	10.37	2.00	0.00	1.00	0.00	9.00	8.23	2.00	0.00	1.00	0.00
9.20	10.18	2.00	0.00	1.00	0.00	9.40	11.10	2.00	0.00	1.00	0.00
9.60	13.99	2.00	0.00	1.00	0.00	9.80	13.87	2.00	0.00	1.00	0.00
10.00	14.74	2.00	0.00	1.00	0.00						

Total estimated settlement: 1.58

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

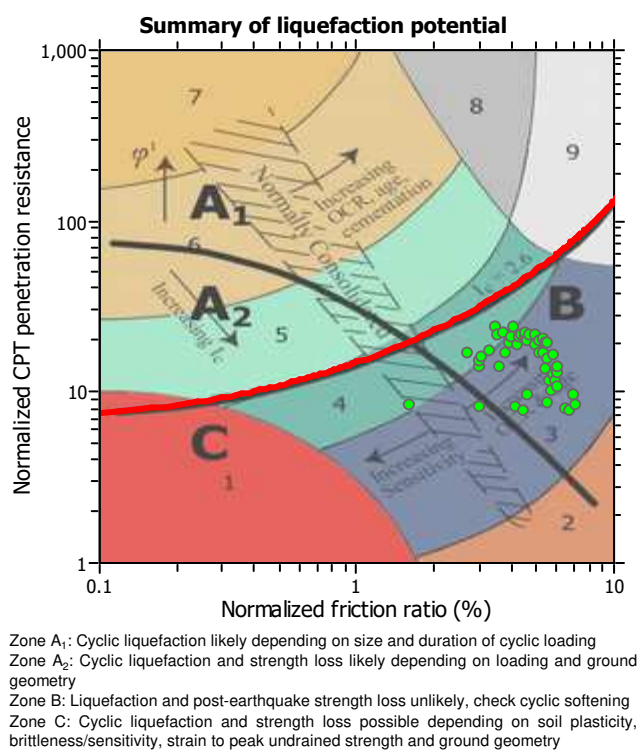
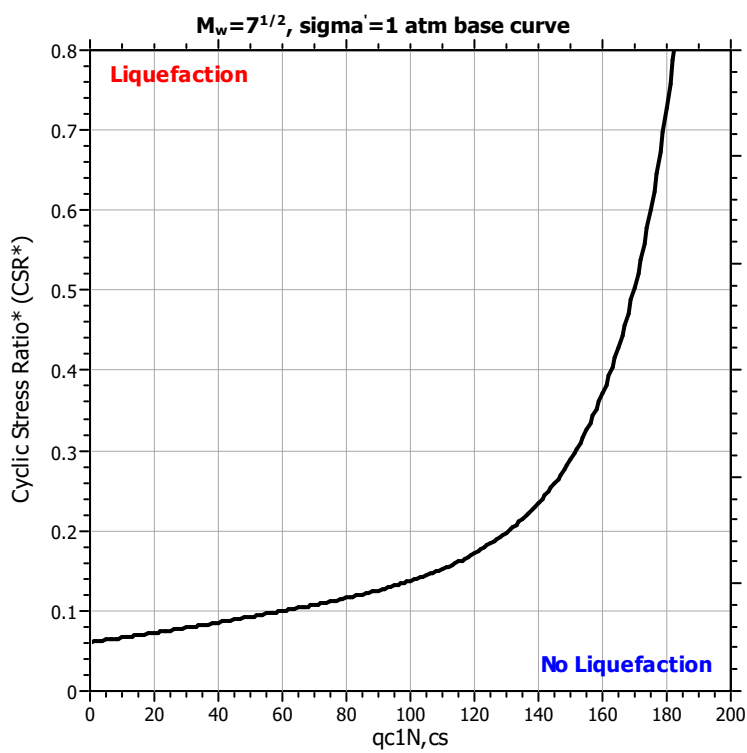
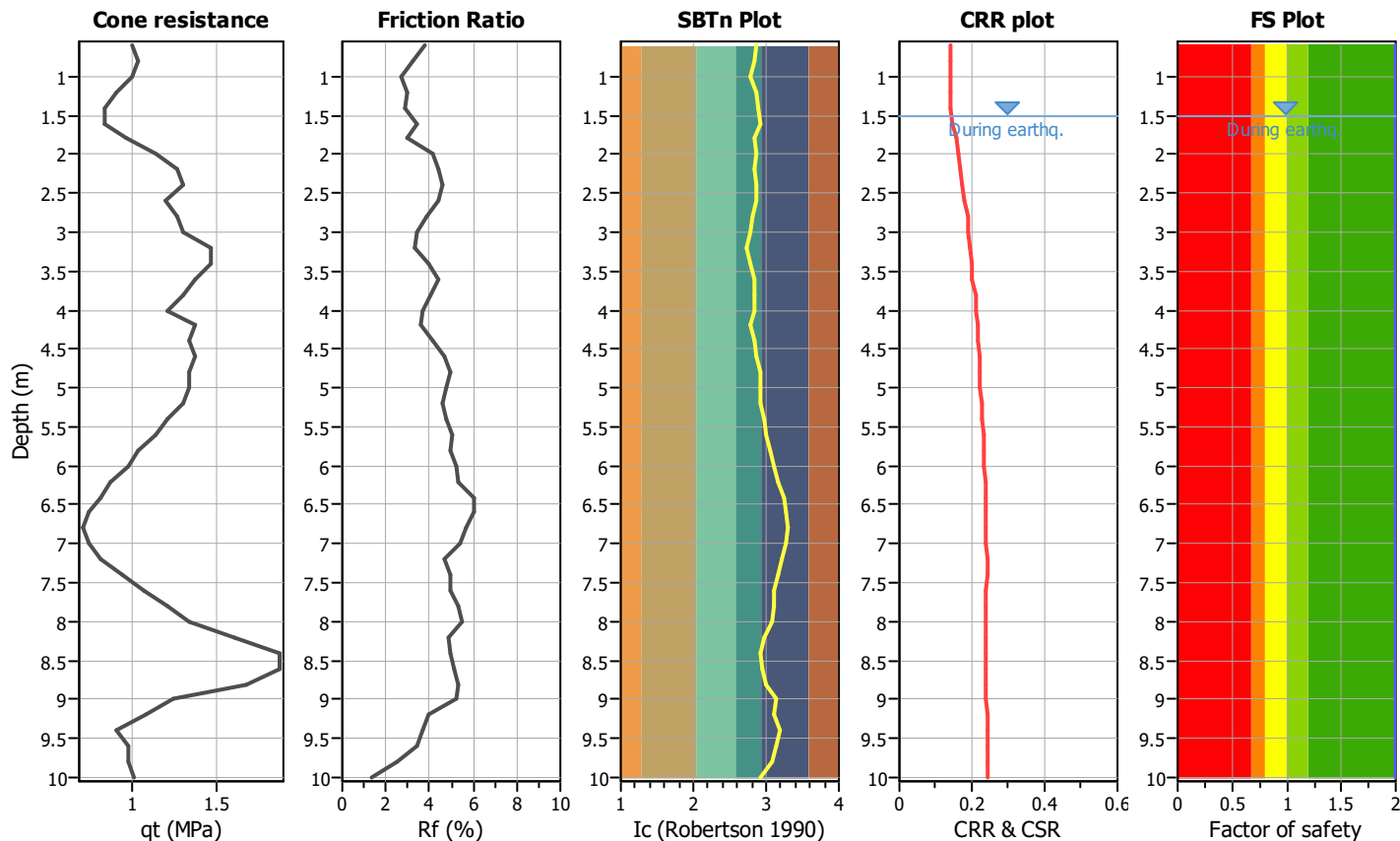
Project title :

Location :

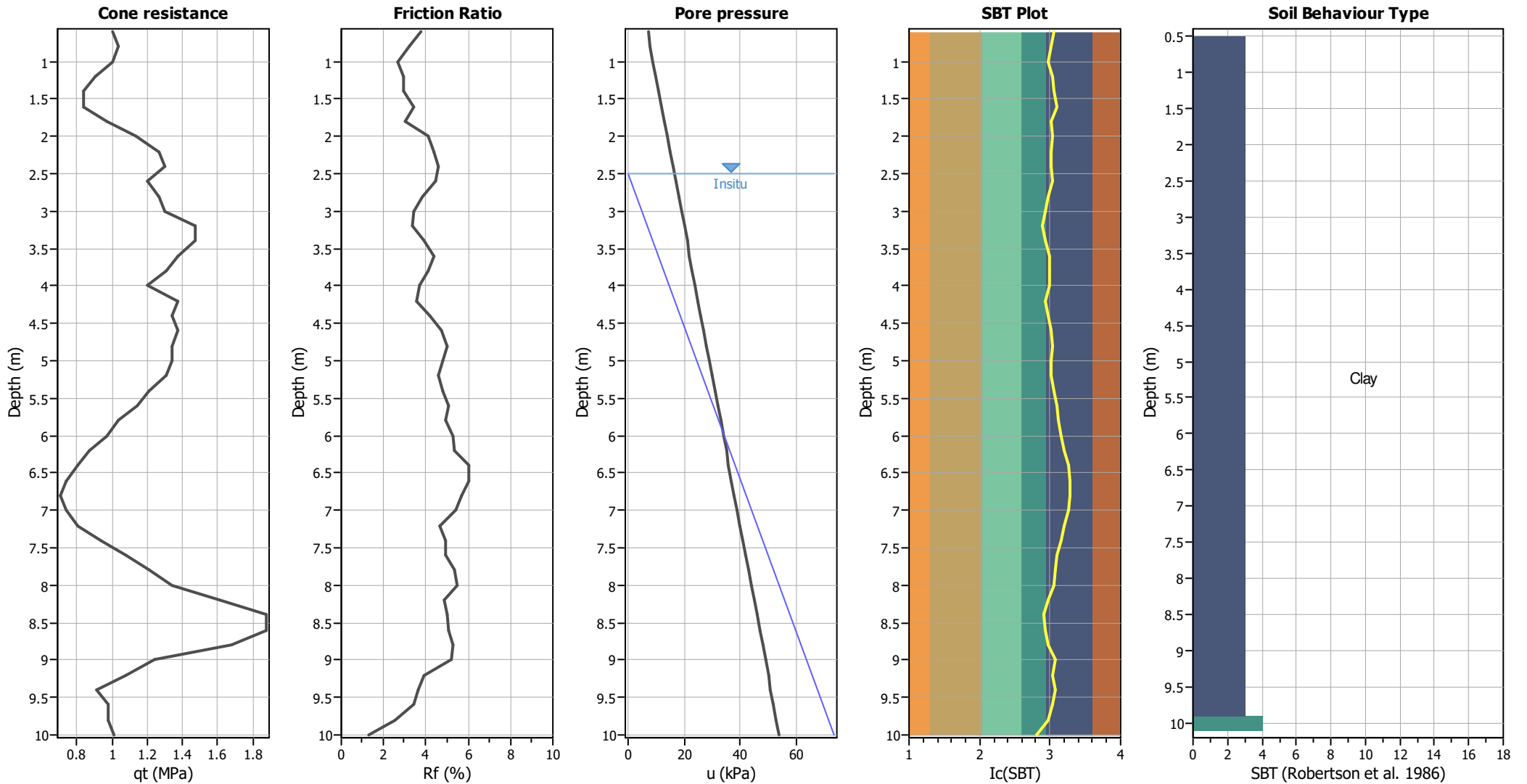
CPT file : P112_CPT103

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



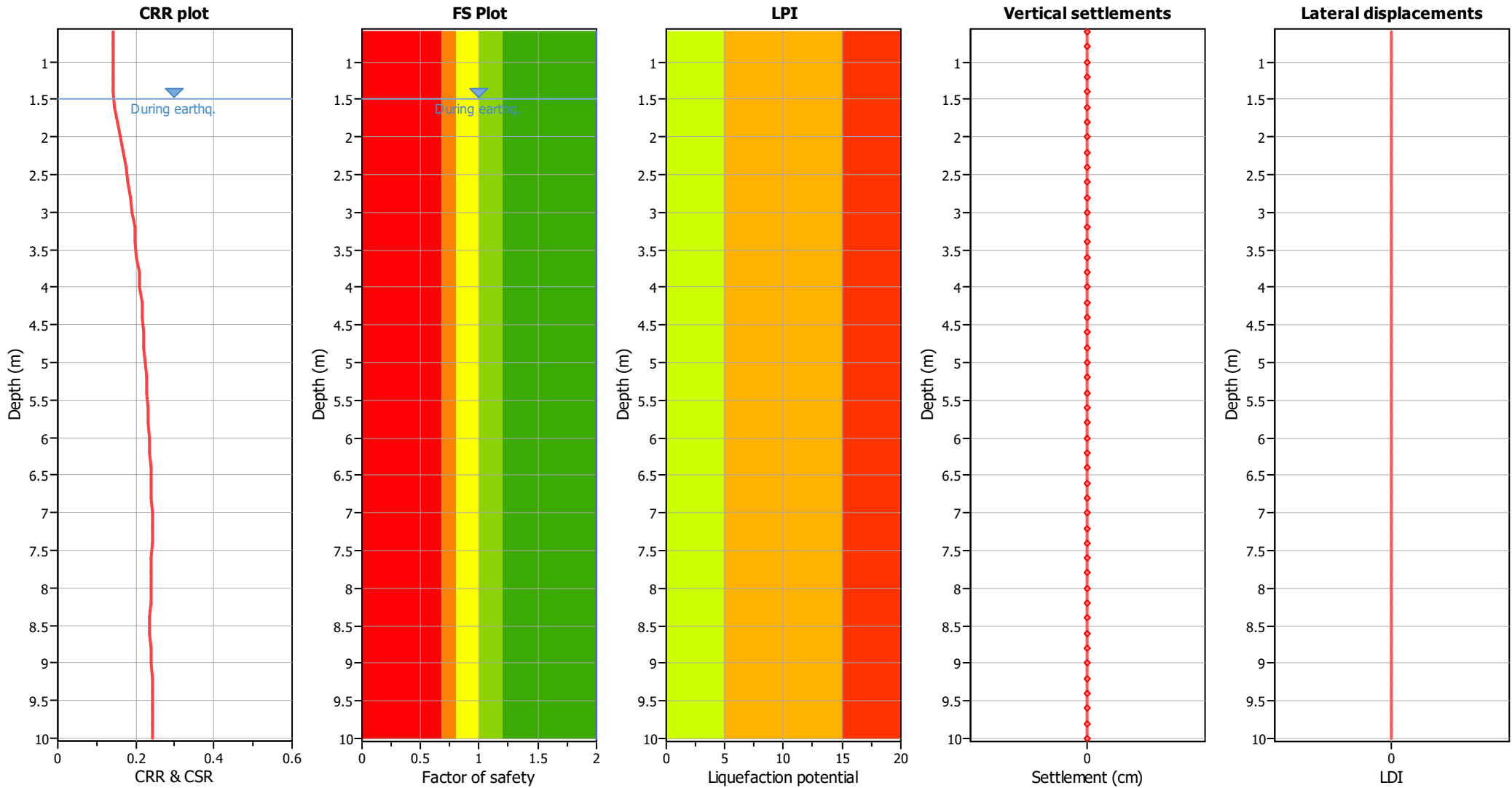
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	15.10	2.00	0.00	1.00	0.00	1.80	15.10	2.00	0.00	1.00	0.00
2.00	18.46	2.00	0.00	1.00	0.00	2.20	23.49	2.00	0.00	1.00	0.00
2.40	20.98	2.00	0.00	1.00	0.00	2.60	18.85	2.00	0.00	1.00	0.00
2.80	17.06	2.00	0.00	1.00	0.00	3.00	22.52	2.00	0.00	1.00	0.00
3.20	19.34	2.00	0.00	1.00	0.00	3.40	23.15	2.00	0.00	1.00	0.00
3.60	21.40	2.00	0.00	1.00	0.00	3.80	14.27	2.00	0.00	1.00	0.00
4.00	19.43	2.00	0.00	1.00	0.00	4.20	16.51	2.00	0.00	1.00	0.00
4.40	20.16	2.00	0.00	1.00	0.00	4.60	17.29	2.00	0.00	1.00	0.00
4.80	17.04	2.00	0.00	1.00	0.00	5.00	18.05	2.00	0.00	1.00	0.00
5.20	16.57	2.00	0.00	1.00	0.00	5.40	15.12	2.00	0.00	1.00	0.00
5.60	13.70	2.00	0.00	1.00	0.00	5.80	13.53	2.00	0.00	1.00	0.00
6.00	10.97	2.00	0.00	1.00	0.00	6.20	10.84	2.00	0.00	1.00	0.00
6.40	9.53	2.00	0.00	1.00	0.00	6.60	8.26	2.00	0.00	1.00	0.00
6.80	8.16	2.00	0.00	1.00	0.00	7.00	8.07	2.00	0.00	1.00	0.00
7.20	9.12	2.00	0.00	1.00	0.00	7.40	10.14	2.00	0.00	1.00	0.00
7.60	12.23	2.00	0.00	1.00	0.00	7.80	13.19	2.00	0.00	1.00	0.00
8.00	14.12	2.00	0.00	1.00	0.00	8.20	16.10	2.00	0.00	1.00	0.00
8.40	21.18	2.00	0.00	1.00	0.00	8.60	22.00	2.00	0.00	1.00	0.00
8.80	15.59	2.00	0.00	1.00	0.00	9.00	14.41	2.00	0.00	1.00	0.00
9.20	8.17	2.00	0.00	1.00	0.00	9.40	10.13	2.00	0.00	1.00	0.00
9.60	9.04	2.00	0.00	1.00	0.00	9.80	9.96	2.00	0.00	1.00	0.00
10.00	9.89	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

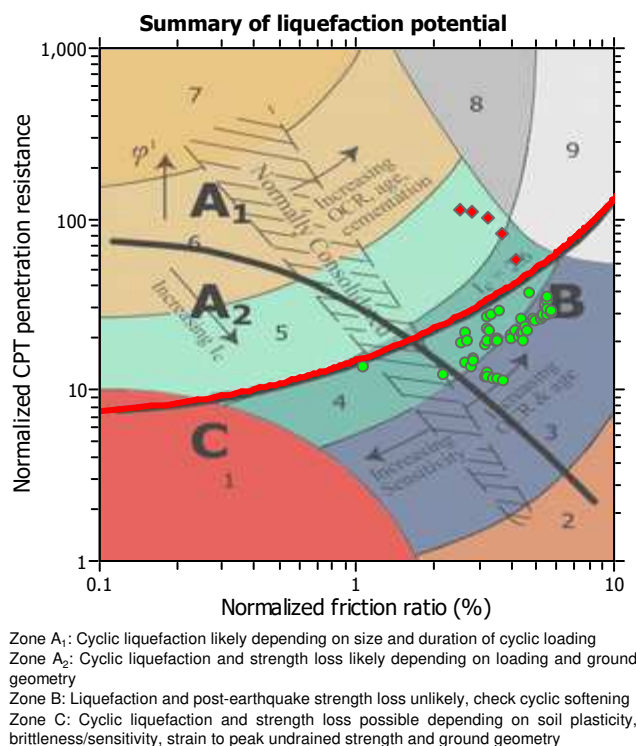
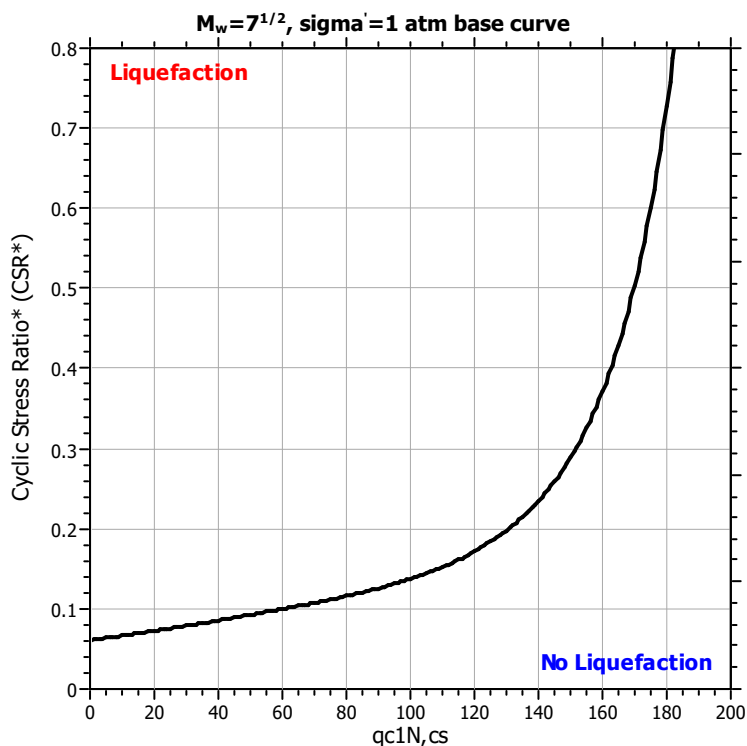
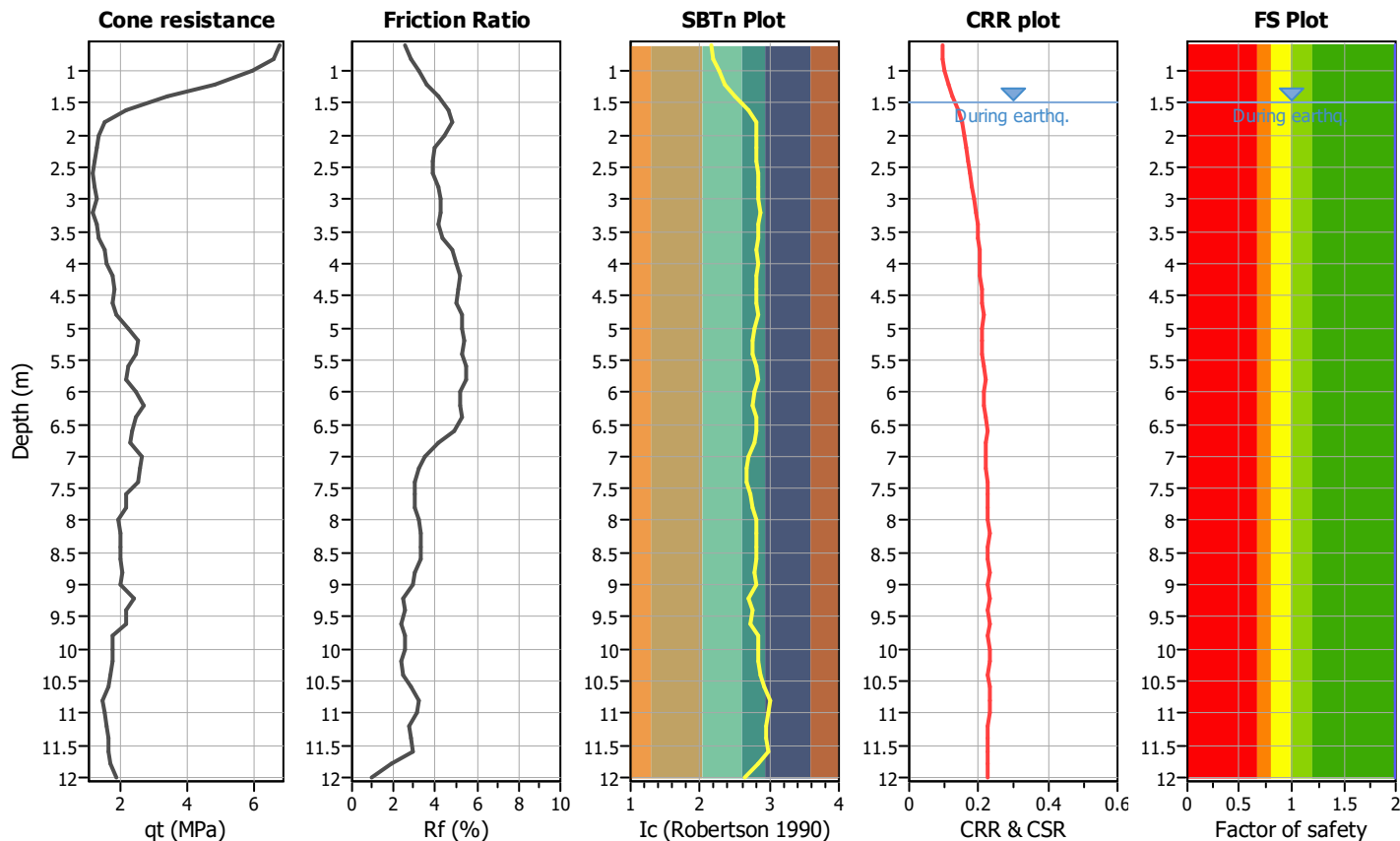
Project title :

Location :

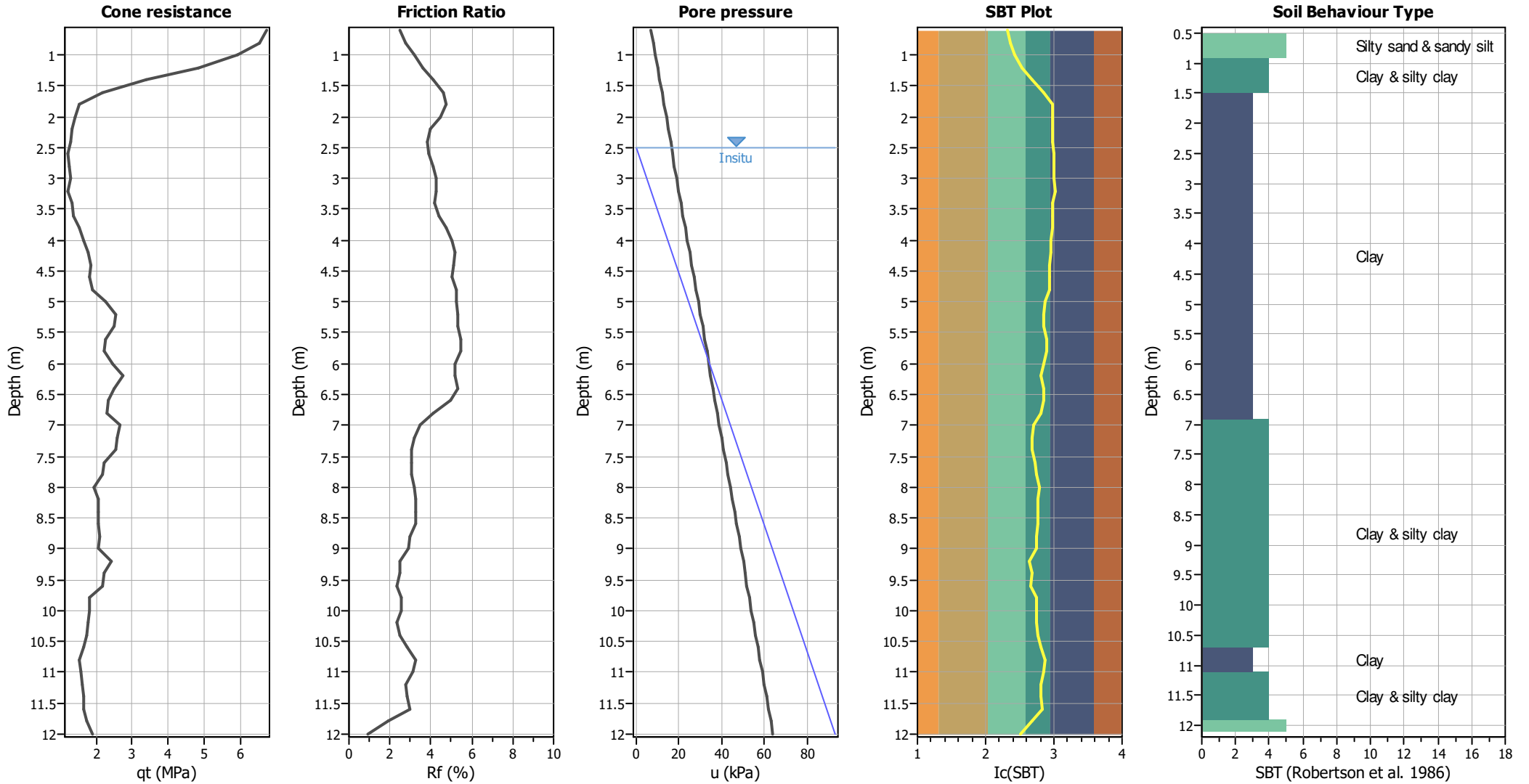
CPT file : P167_CPT158

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



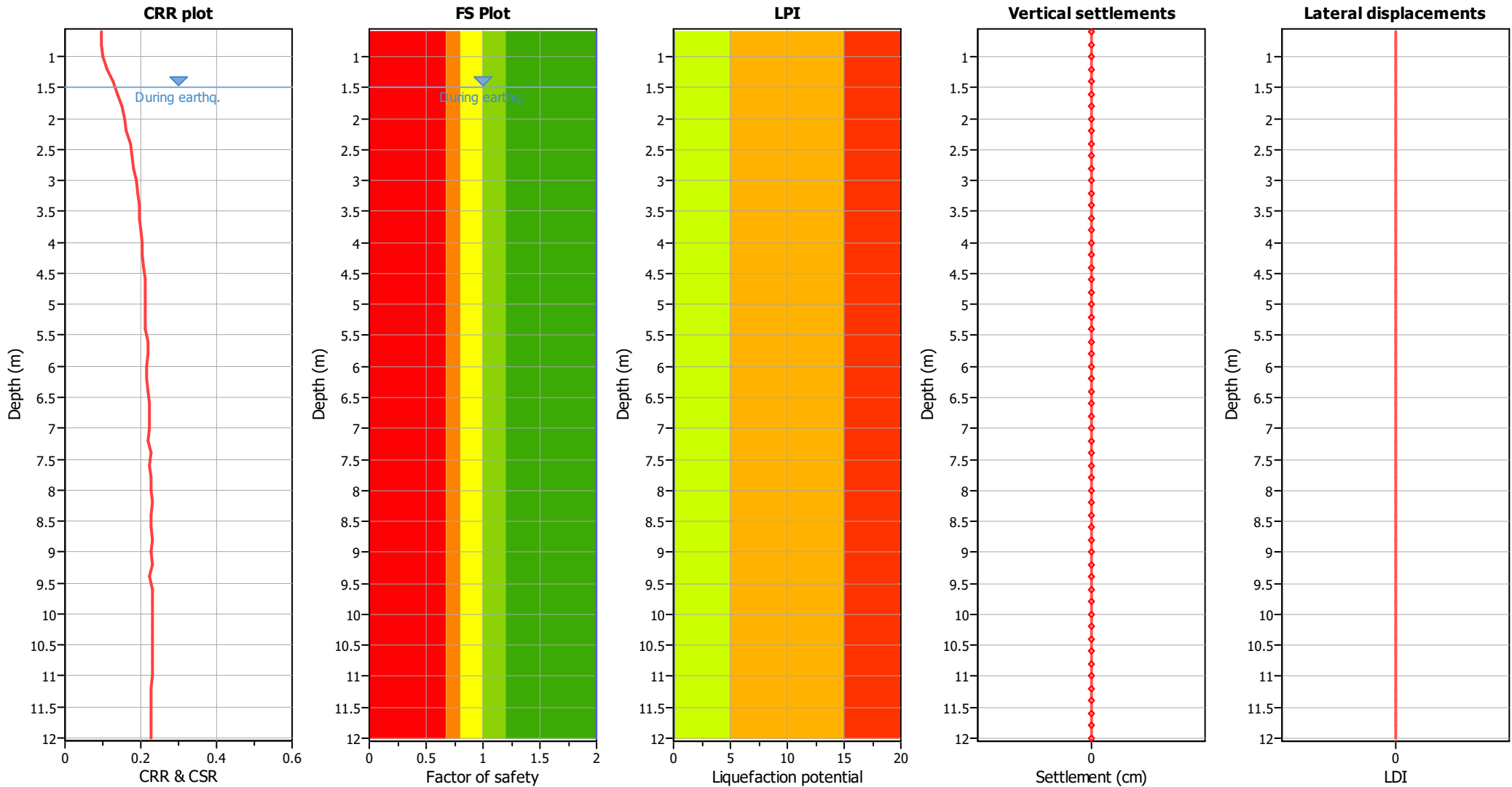
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	31.88	2.00	0.00	1.00	0.00	1.80	21.81	2.00	0.00	1.00	0.00
2.00	23.30	2.00	0.00	1.00	0.00	2.20	23.79	2.00	0.00	1.00	0.00
2.40	17.02	2.00	0.00	1.00	0.00	2.60	17.96	2.00	0.00	1.00	0.00
2.80	19.06	2.00	0.00	1.00	0.00	3.00	17.36	2.00	0.00	1.00	0.00
3.20	19.80	2.00	0.00	1.00	0.00	3.40	14.10	2.00	0.00	1.00	0.00
3.60	21.83	2.00	0.00	1.00	0.00	3.80	20.21	2.00	0.00	1.00	0.00
4.00	19.90	2.00	0.00	1.00	0.00	4.20	24.62	2.00	0.00	1.00	0.00
4.40	24.27	2.00	0.00	1.00	0.00	4.60	21.49	2.00	0.00	1.00	0.00
4.80	22.40	2.00	0.00	1.00	0.00	5.00	26.84	2.00	0.00	1.00	0.00
5.20	32.28	2.00	0.00	1.00	0.00	5.40	31.86	2.00	0.00	1.00	0.00
5.60	24.64	2.00	0.00	1.00	0.00	5.80	22.06	2.00	0.00	1.00	0.00
6.00	29.61	2.00	0.00	1.00	0.00	6.20	32.55	2.00	0.00	1.00	0.00
6.40	30.00	2.00	0.00	1.00	0.00	6.60	21.00	2.00	0.00	1.00	0.00
6.80	26.14	2.00	0.00	1.00	0.00	7.00	28.00	2.00	0.00	1.00	0.00
7.20	30.86	2.00	0.00	1.00	0.00	7.40	23.25	2.00	0.00	1.00	0.00
7.60	26.13	2.00	0.00	1.00	0.00	7.80	19.71	2.00	0.00	1.00	0.00
8.00	21.56	2.00	0.00	1.00	0.00	8.20	18.32	2.00	0.00	1.00	0.00
8.40	22.16	2.00	0.00	1.00	0.00	8.60	20.97	2.00	0.00	1.00	0.00
8.80	17.81	2.00	0.00	1.00	0.00	9.00	22.56	2.00	0.00	1.00	0.00
9.20	19.44	2.00	0.00	1.00	0.00	9.40	27.99	2.00	0.00	1.00	0.00
9.60	16.24	2.00	0.00	1.00	0.00	9.80	18.01	2.00	0.00	1.00	0.00
10.00	16.93	2.00	0.00	1.00	0.00	10.20	15.86	2.00	0.00	1.00	0.00
10.40	16.67	2.00	0.00	1.00	0.00	10.60	14.69	2.00	0.00	1.00	0.00
10.80	13.66	2.00	0.00	1.00	0.00	11.00	12.65	2.00	0.00	1.00	0.00
11.20	16.18	2.00	0.00	1.00	0.00	11.40	14.26	2.00	0.00	1.00	0.00
11.60	13.26	2.00	0.00	1.00	0.00	11.80	15.83	2.00	0.00	1.00	0.00
12.00	16.60	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00**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

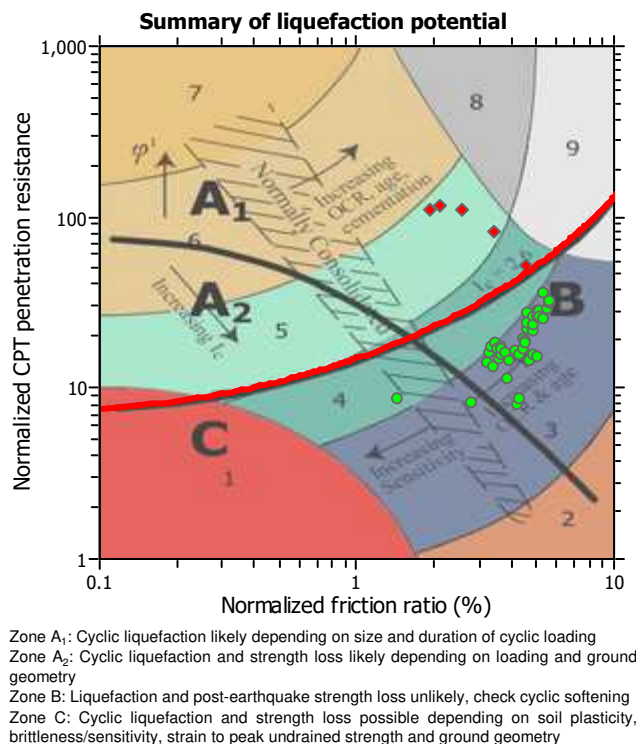
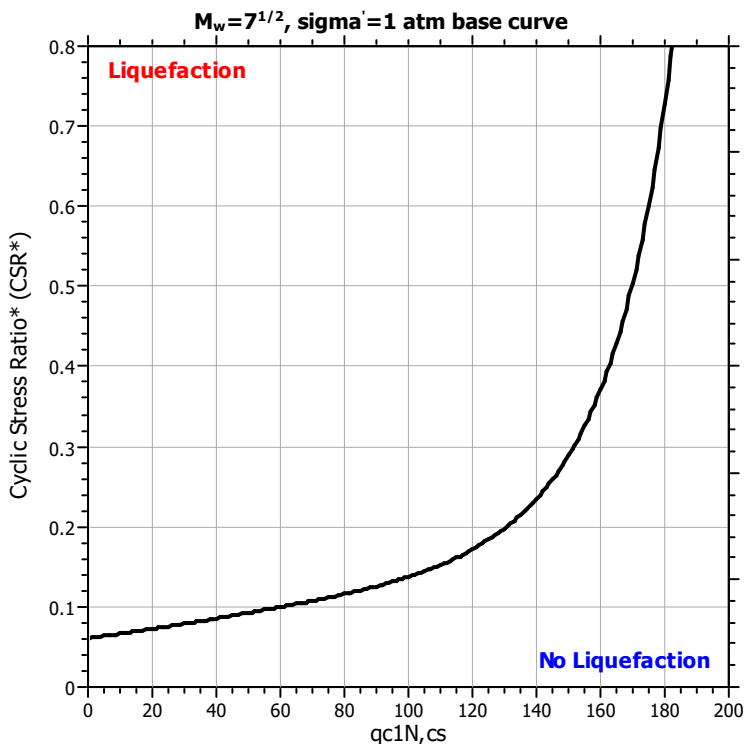
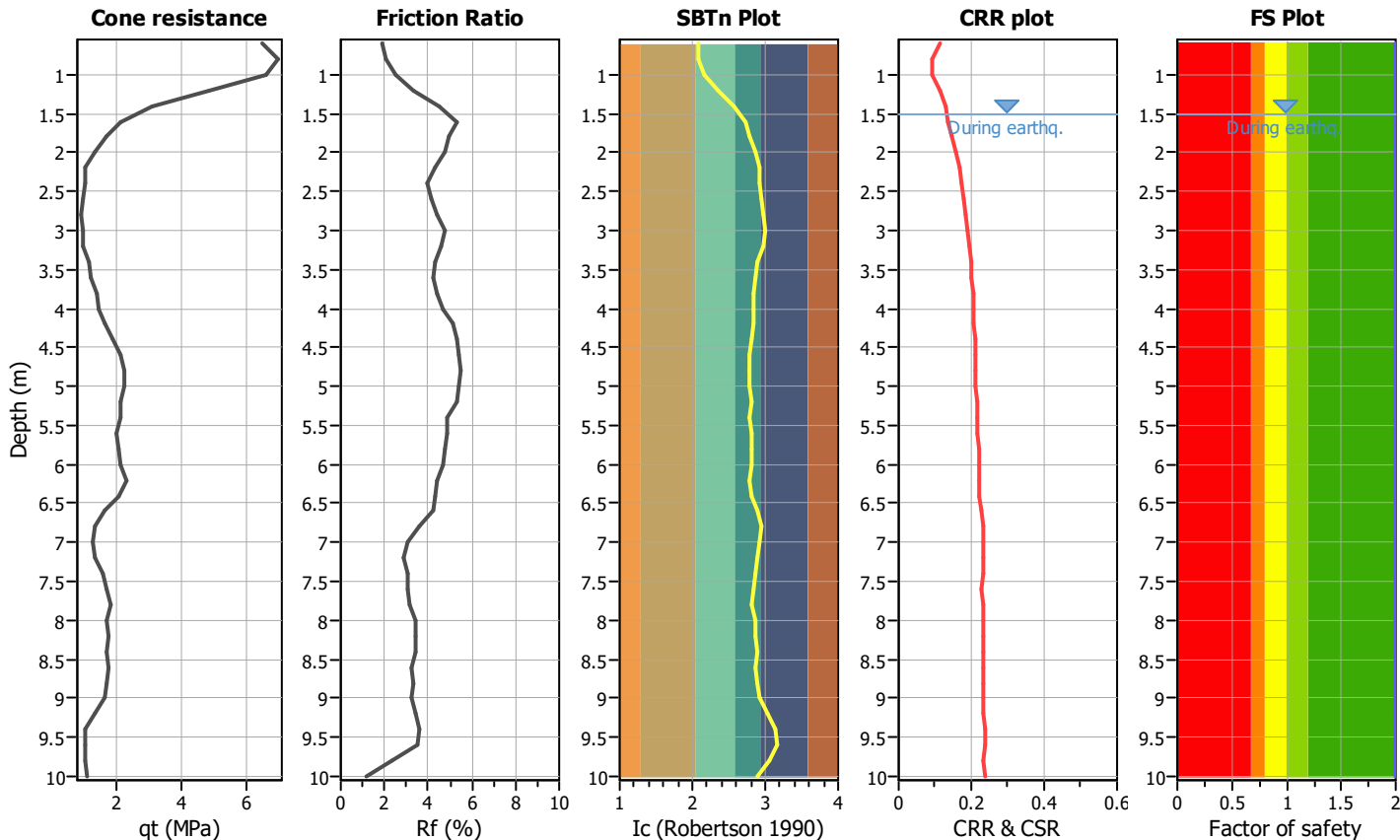
Project title :

Location :

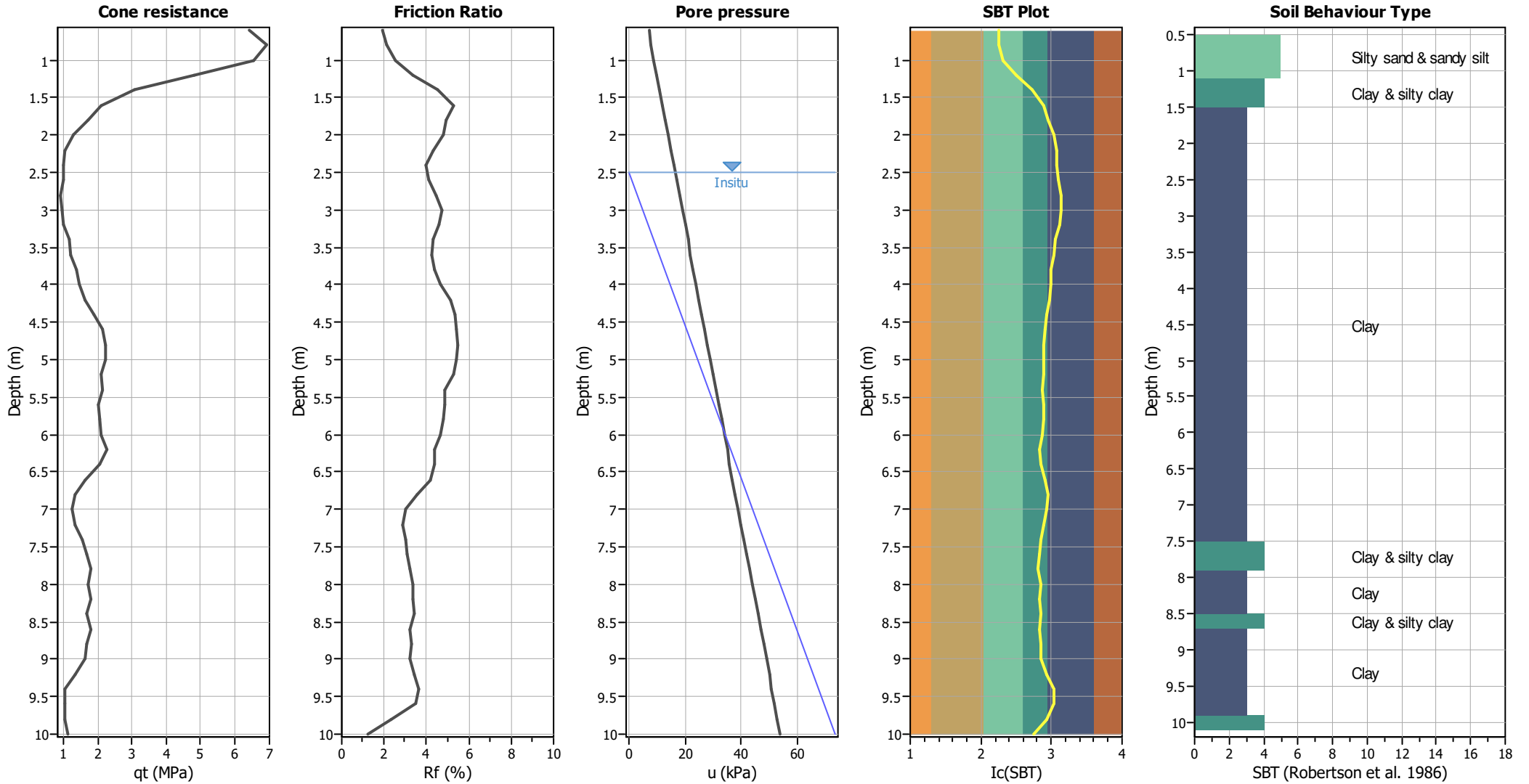
CPT file : P168_CPT159

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



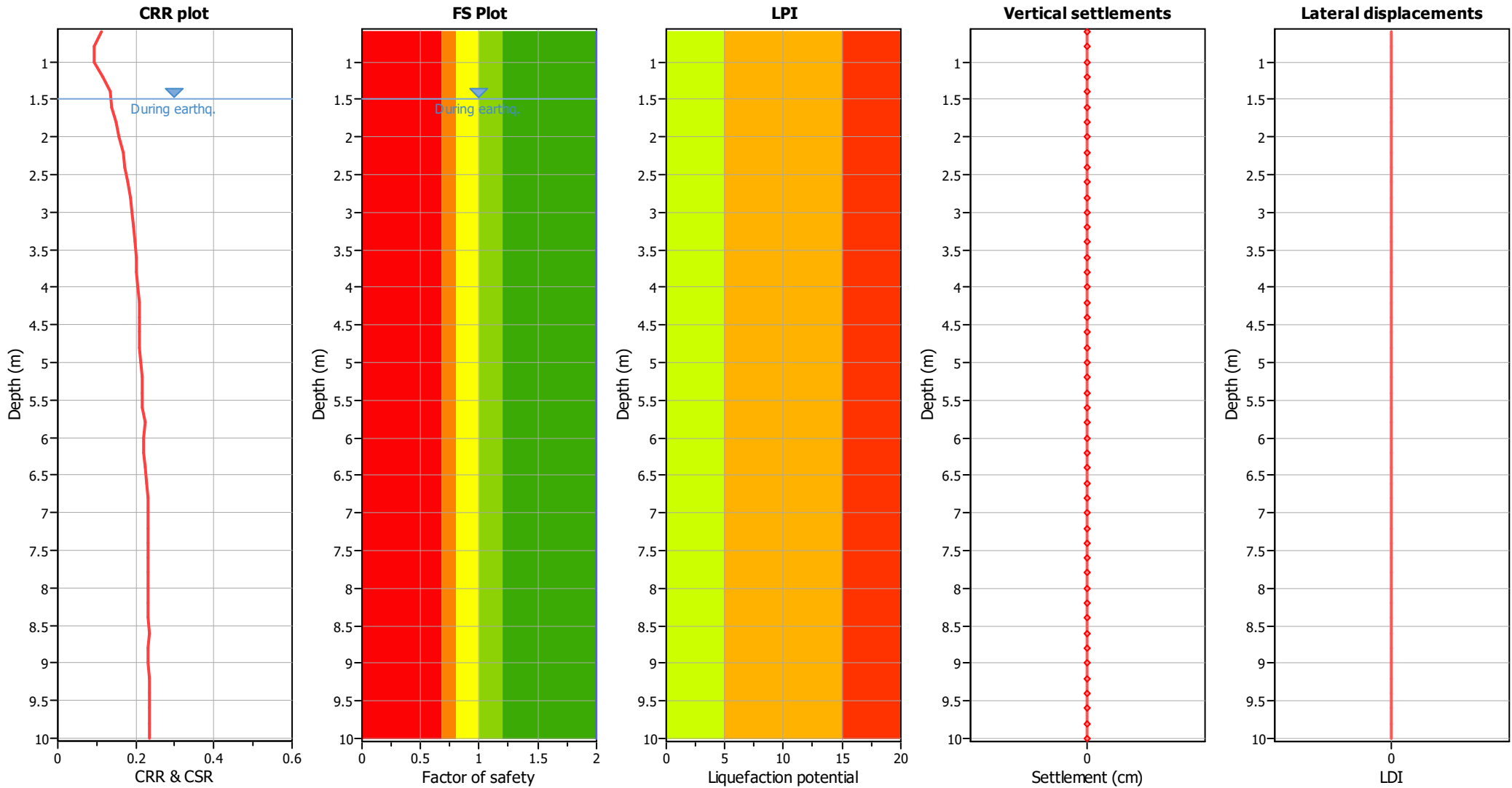
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	35.23	2.00	0.00	1.00	0.00	1.80	30.20	2.00	0.00	1.00	0.00
2.00	20.13	2.00	0.00	1.00	0.00	2.20	14.71	2.00	0.00	1.00	0.00
2.40	15.58	2.00	0.00	1.00	0.00	2.60	16.59	2.00	0.00	1.00	0.00
2.80	12.00	2.00	0.00	1.00	0.00	3.00	11.80	2.00	0.00	1.00	0.00
3.20	17.17	2.00	0.00	1.00	0.00	3.40	12.81	2.00	0.00	1.00	0.00
3.60	18.00	2.00	0.00	1.00	0.00	3.80	19.05	2.00	0.00	1.00	0.00
4.00	18.76	2.00	0.00	1.00	0.00	4.20	21.02	2.00	0.00	1.00	0.00
4.40	23.20	2.00	0.00	1.00	0.00	4.60	27.75	2.00	0.00	1.00	0.00
4.80	29.75	2.00	0.00	1.00	0.00	5.00	25.79	2.00	0.00	1.00	0.00
5.20	25.45	2.00	0.00	1.00	0.00	5.40	25.12	2.00	0.00	1.00	0.00
5.60	25.95	2.00	0.00	1.00	0.00	5.80	19.92	2.00	0.00	1.00	0.00
6.00	25.33	2.00	0.00	1.00	0.00	6.20	27.26	2.00	0.00	1.00	0.00
6.40	24.74	2.00	0.00	1.00	0.00	6.60	16.78	2.00	0.00	1.00	0.00
6.80	13.32	2.00	0.00	1.00	0.00	7.00	13.18	2.00	0.00	1.00	0.00
7.20	14.13	2.00	0.00	1.00	0.00	7.40	15.06	2.00	0.00	1.00	0.00
7.60	20.18	2.00	0.00	1.00	0.00	7.80	17.90	2.00	0.00	1.00	0.00
8.00	18.76	2.00	0.00	1.00	0.00	8.20	16.52	2.00	0.00	1.00	0.00
8.40	19.42	2.00	0.00	1.00	0.00	8.60	15.20	2.00	0.00	1.00	0.00
8.80	19.07	2.00	0.00	1.00	0.00	9.00	15.92	2.00	0.00	1.00	0.00
9.20	13.81	2.00	0.00	1.00	0.00	9.40	8.80	2.00	0.00	1.00	0.00
9.60	7.76	2.00	0.00	1.00	0.00	9.80	12.52	2.00	0.00	1.00	0.00
10.00	9.56	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

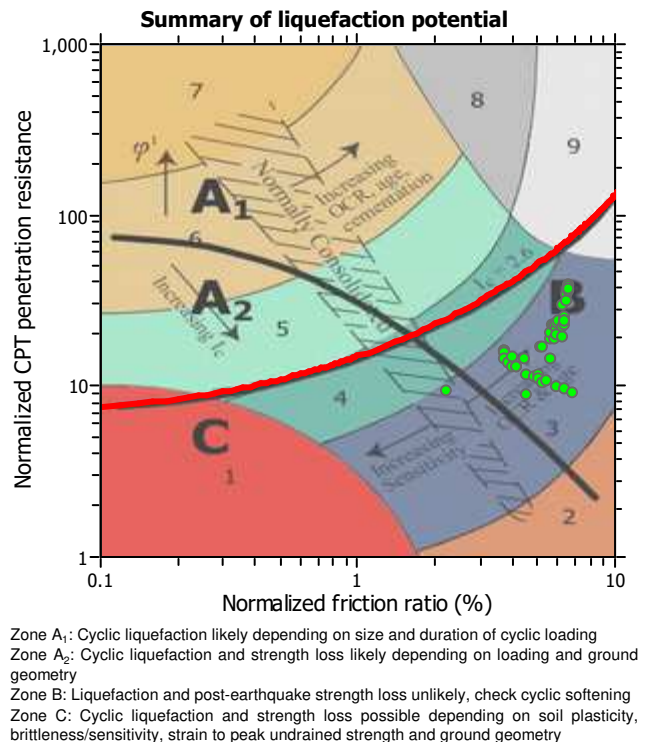
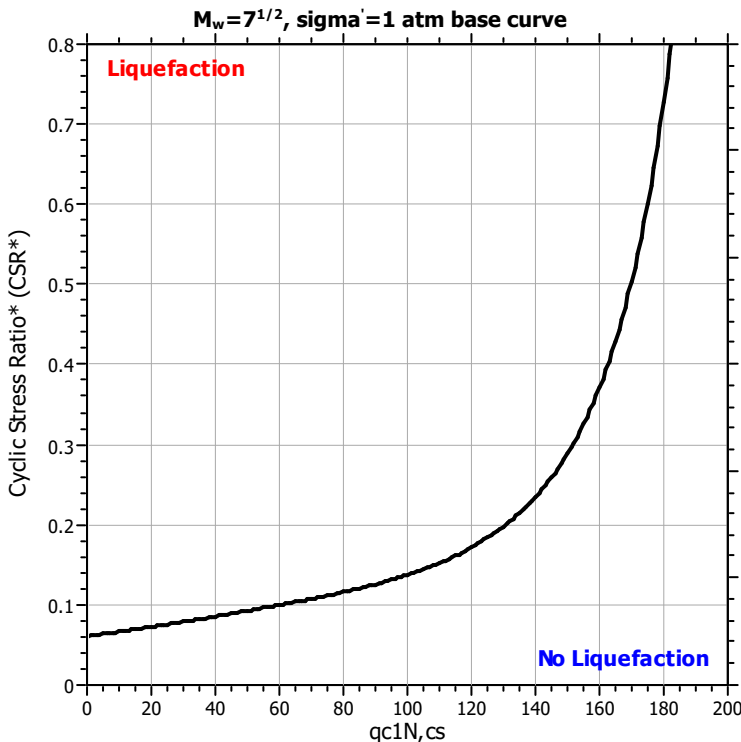
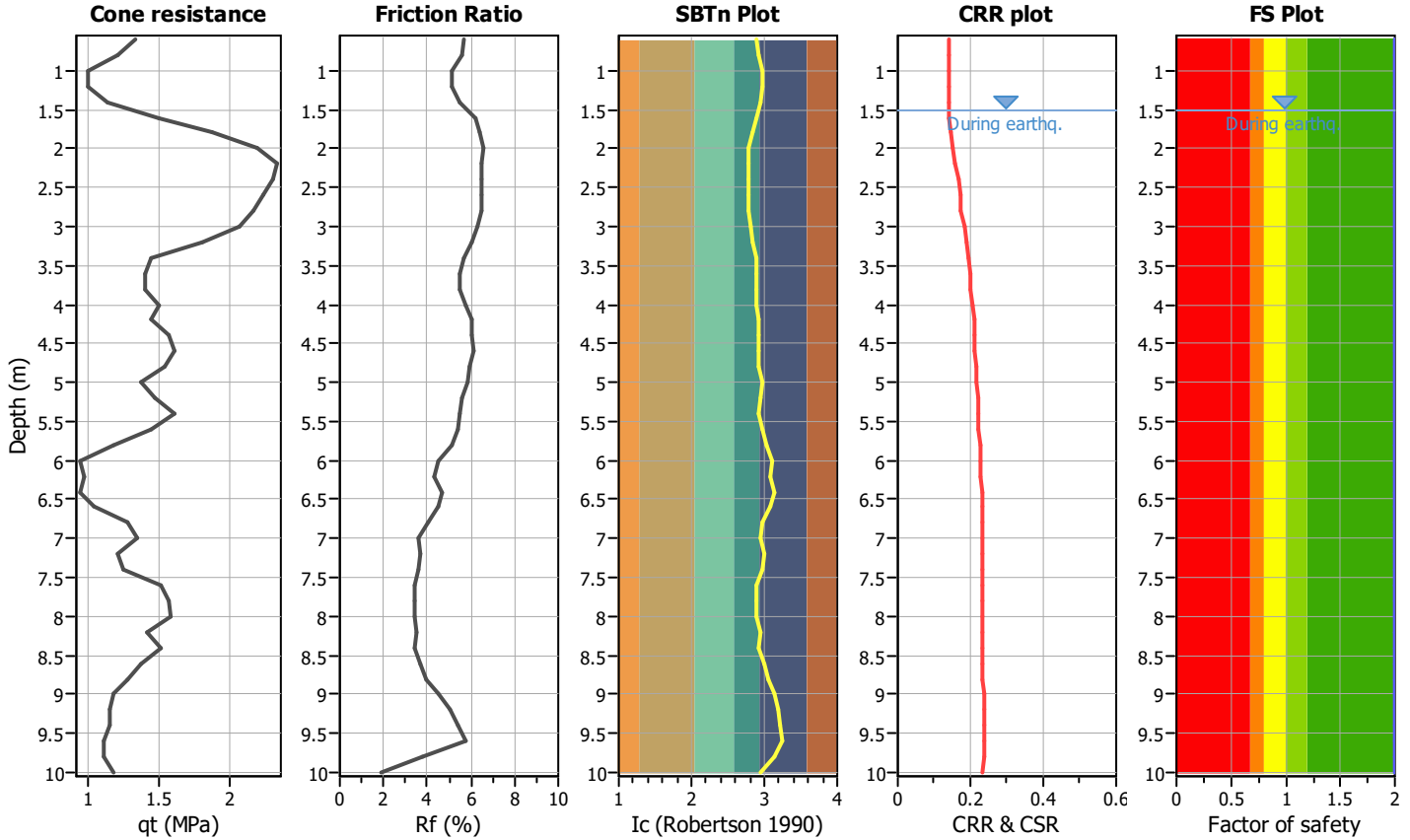
Project title :

Location :

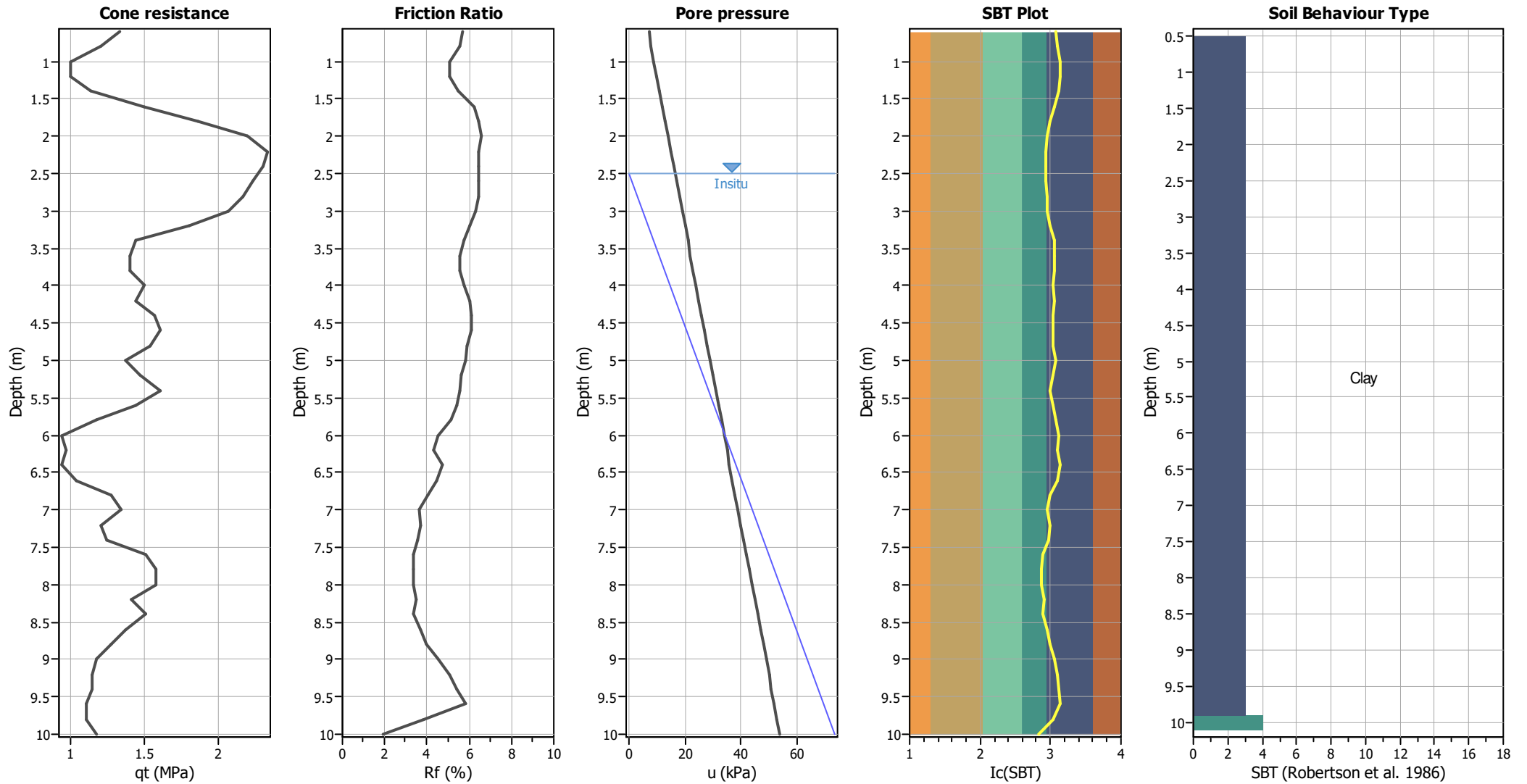
CPT file : P169_CPT160

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



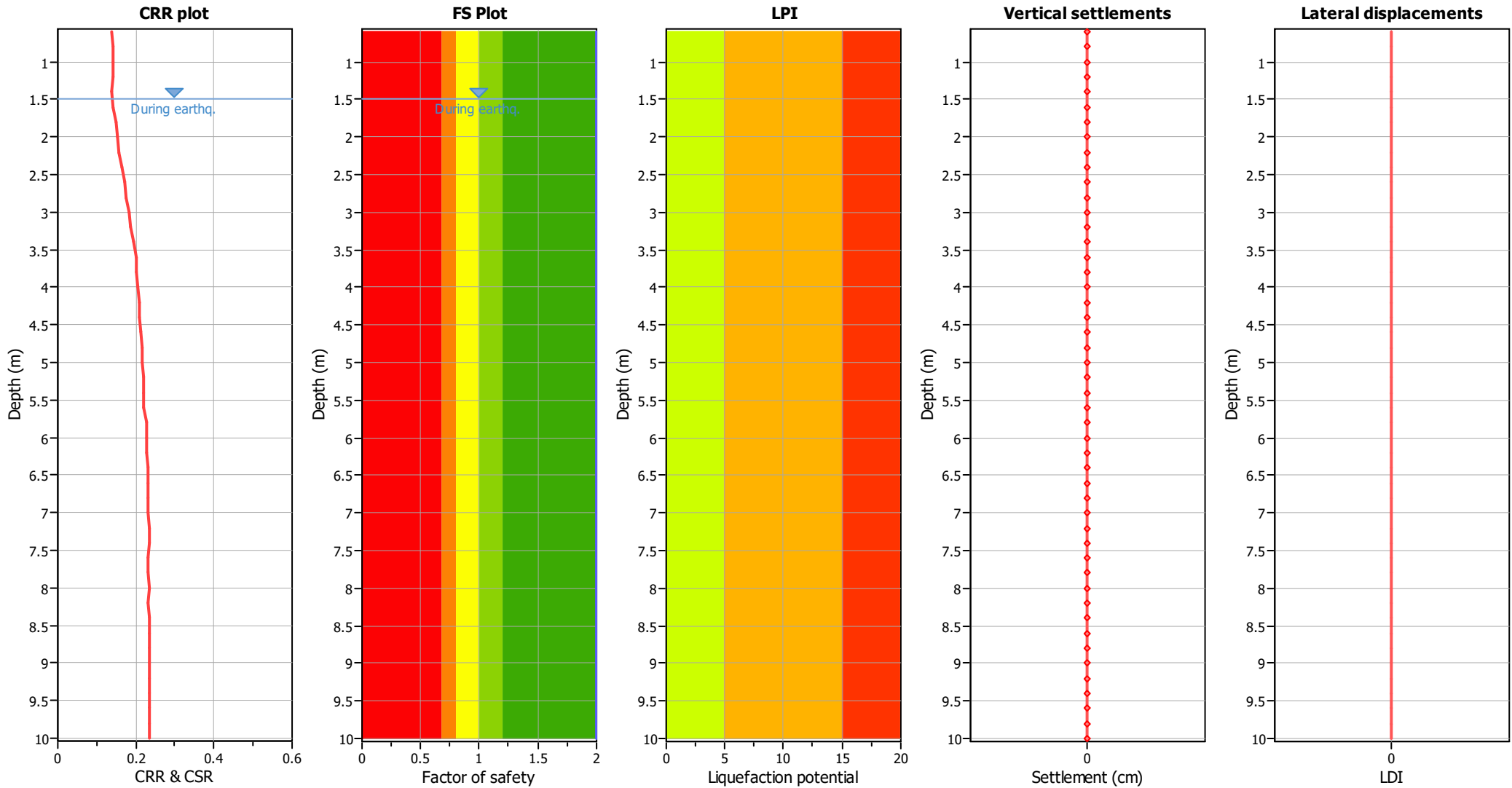
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	23.49	2.00	0.00	1.00	0.00	1.80	31.88	2.00	0.00	1.00	0.00
2.00	37.71	2.00	0.00	1.00	0.00	2.20	37.50	2.00	0.00	1.00	0.00
2.40	34.61	2.00	0.00	1.00	0.00	2.60	32.25	2.00	0.00	1.00	0.00
2.80	31.66	2.00	0.00	1.00	0.00	3.00	29.77	2.00	0.00	1.00	0.00
3.20	26.62	2.00	0.00	1.00	0.00	3.40	19.56	2.00	0.00	1.00	0.00
3.60	13.91	2.00	0.00	1.00	0.00	3.80	24.13	2.00	0.00	1.00	0.00
4.00	18.66	2.00	0.00	1.00	0.00	4.20	17.10	2.00	0.00	1.00	0.00
4.40	20.60	2.00	0.00	1.00	0.00	4.60	22.76	2.00	0.00	1.00	0.00
4.80	17.58	2.00	0.00	1.00	0.00	5.00	17.34	2.00	0.00	1.00	0.00
5.20	15.92	2.00	0.00	1.00	0.00	5.40	20.42	2.00	0.00	1.00	0.00
5.60	21.32	2.00	0.00	1.00	0.00	5.80	9.49	2.00	0.00	1.00	0.00
6.00	10.54	2.00	0.00	1.00	0.00	6.20	12.71	2.00	0.00	1.00	0.00
6.40	10.31	2.00	0.00	1.00	0.00	6.60	9.07	2.00	0.00	1.00	0.00
6.80	15.61	2.00	0.00	1.00	0.00	7.00	17.63	2.00	0.00	1.00	0.00
7.20	10.96	2.00	0.00	1.00	0.00	7.40	10.85	2.00	0.00	1.00	0.00
7.60	18.18	2.00	0.00	1.00	0.00	7.80	19.05	2.00	0.00	1.00	0.00
8.00	12.61	2.00	0.00	1.00	0.00	8.20	17.66	2.00	0.00	1.00	0.00
8.40	13.39	2.00	0.00	1.00	0.00	8.60	15.30	2.00	0.00	1.00	0.00
8.80	13.15	2.00	0.00	1.00	0.00	9.00	10.02	2.00	0.00	1.00	0.00
9.20	11.92	2.00	0.00	1.00	0.00	9.40	11.81	2.00	0.00	1.00	0.00
9.60	9.75	2.00	0.00	1.00	0.00	9.80	10.64	2.00	0.00	1.00	0.00
10.00	11.52	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

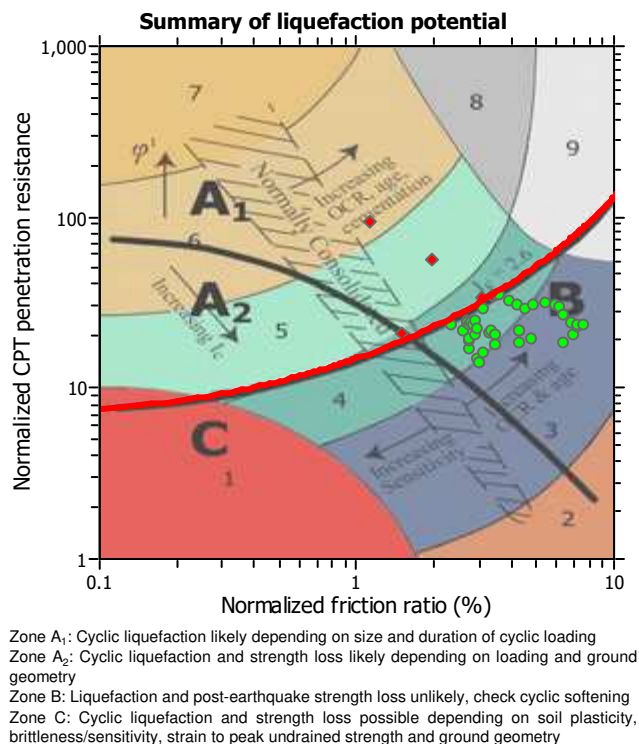
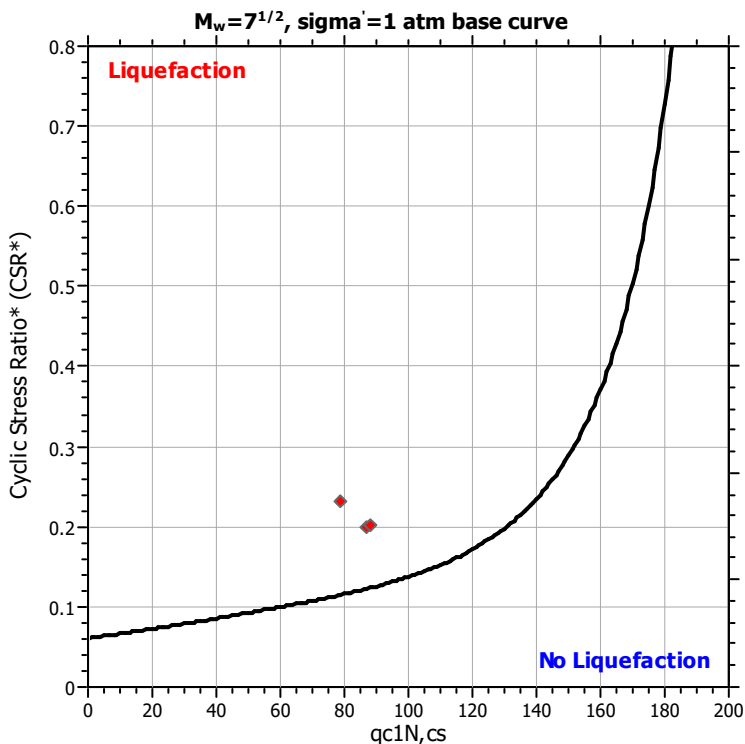
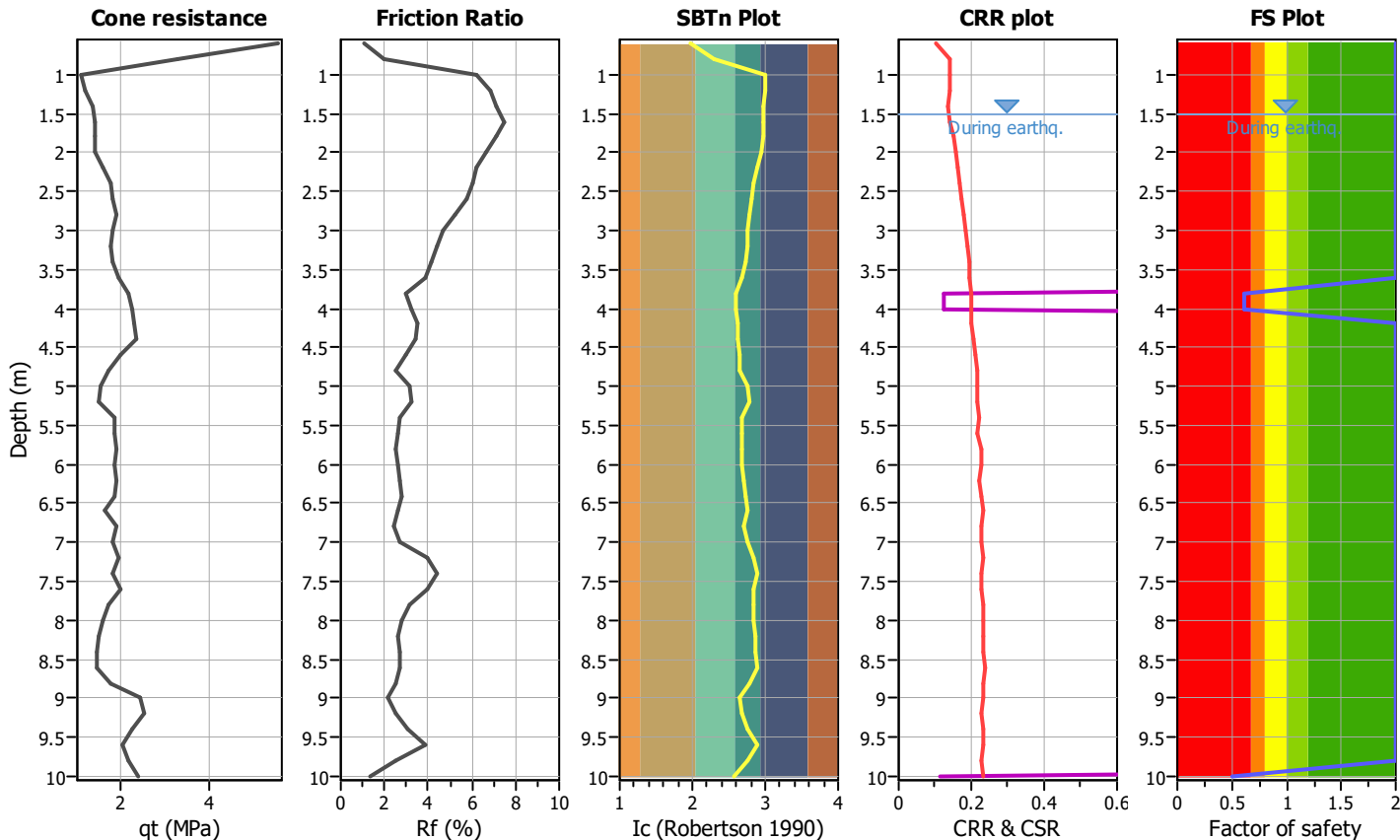
Project title :

Location :

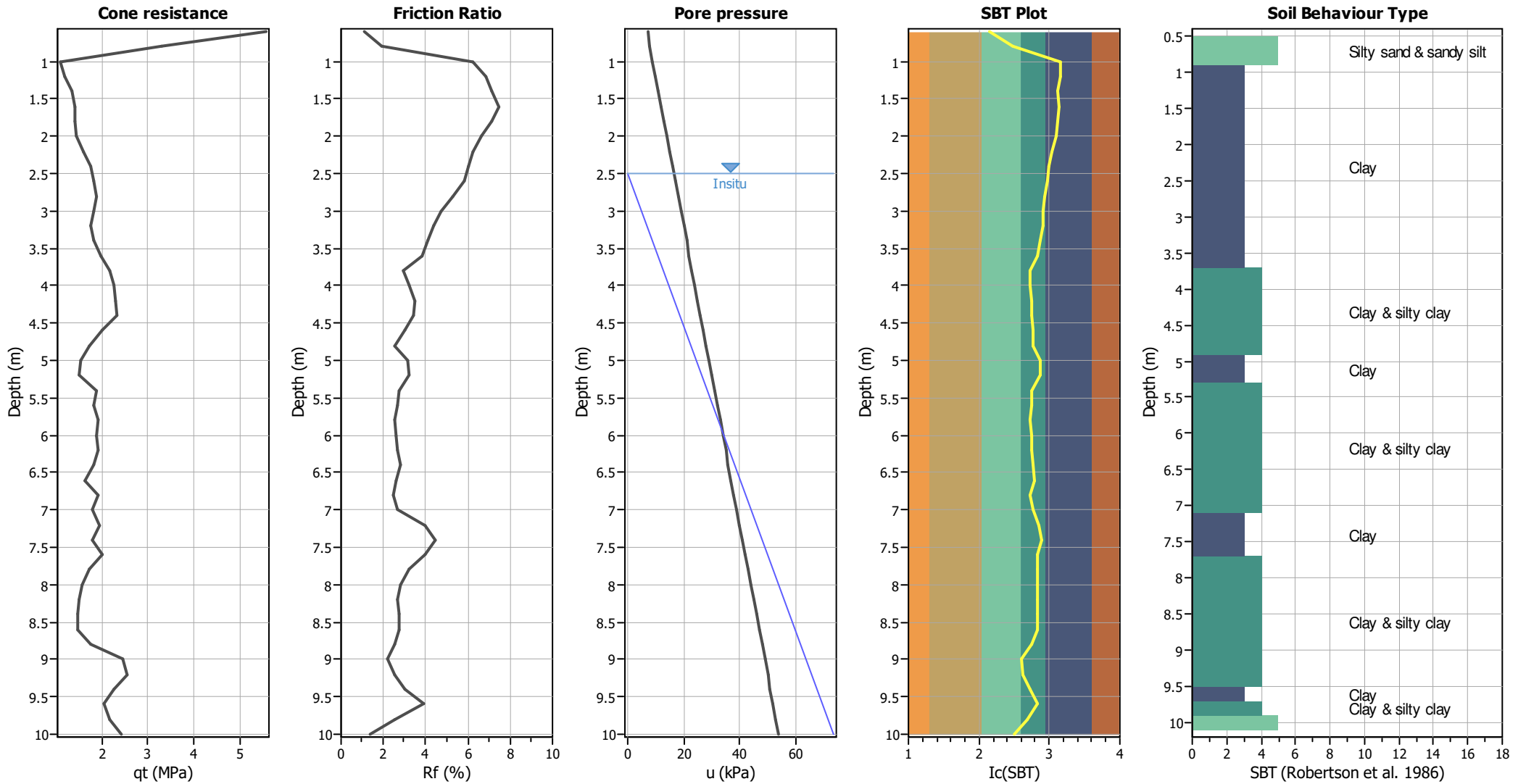
CPT file : P170_CPT161

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



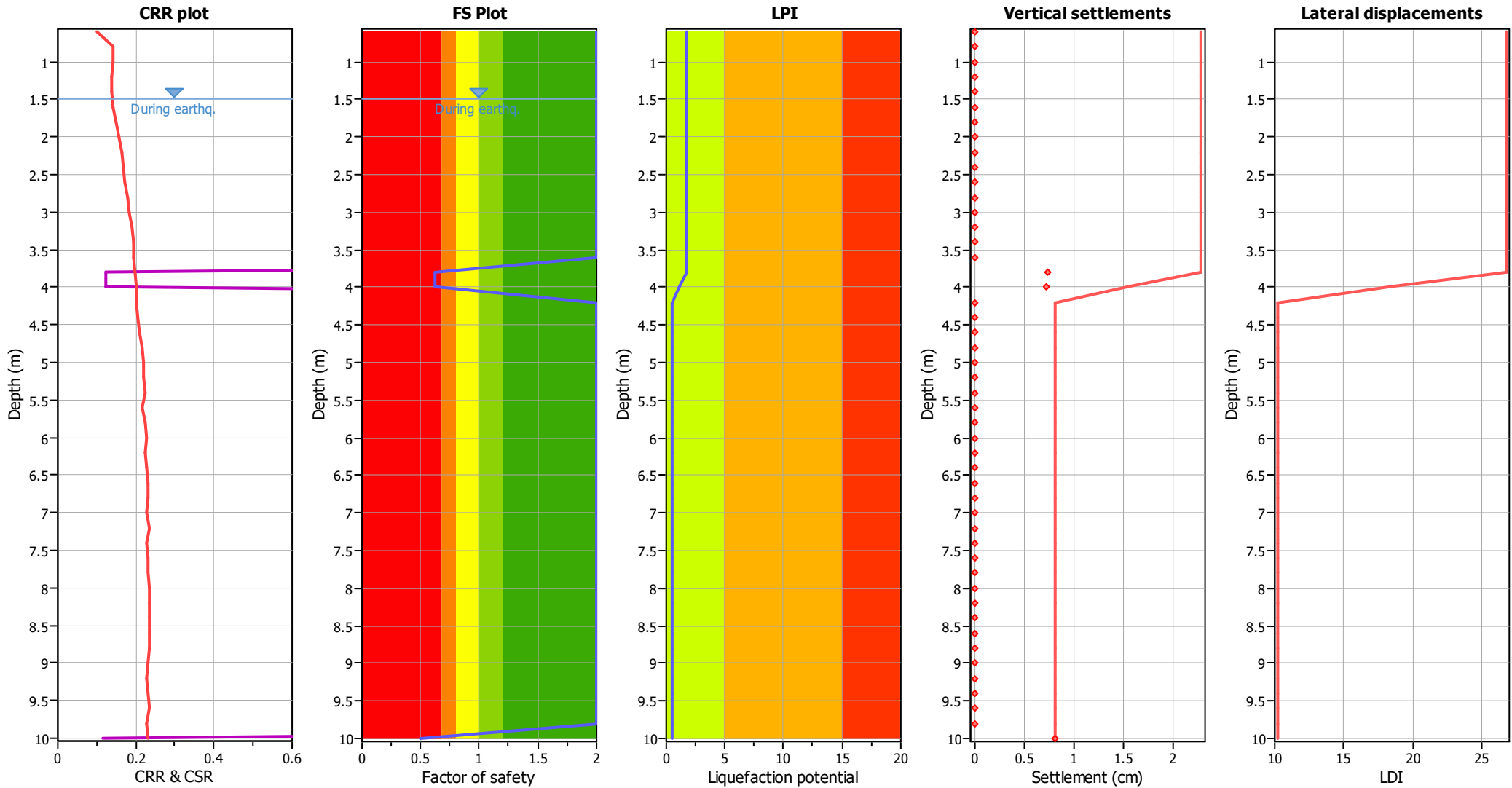
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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_d applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	0.62	0.38	8.10	0.20	0.62	4.00	0.62	0.38	8.00	0.20	0.62
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.50	0.50	5.00	0.20	0.50

Overall liquefaction potential: 1.74

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

Abbreviations

FS: Calculated factor of safety for test point
 F_L: 1 - 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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	21.81	2.00	0.00	1.00	0.00
2.00	23.49	2.00	0.00	1.00	0.00	2.20	25.70	2.00	0.00	1.00	0.00
2.40	27.48	2.00	0.00	1.00	0.00	2.60	28.08	2.00	0.00	1.00	0.00
2.80	26.23	2.00	0.00	1.00	0.00	3.00	28.48	2.00	0.00	1.00	0.00
3.20	24.03	2.00	0.00	1.00	0.00	3.40	22.32	2.00	0.00	1.00	0.00
3.60	29.77	2.00	0.00	1.00	0.00	3.80	86.83	0.62	3.70	1.00	0.74
4.00	88.16	0.62	3.65	1.00	0.73	4.20	32.23	2.00	0.00	1.00	0.00
4.40	28.13	2.00	0.00	1.00	0.00	4.60	28.96	2.00	0.00	1.00	0.00
4.80	18.92	2.00	0.00	1.00	0.00	5.00	17.45	2.00	0.00	1.00	0.00
5.20	20.81	2.00	0.00	1.00	0.00	5.40	17.03	2.00	0.00	1.00	0.00
5.60	29.59	2.00	0.00	1.00	0.00	5.80	18.94	2.00	0.00	1.00	0.00
6.00	18.72	2.00	0.00	1.00	0.00	6.20	27.52	2.00	0.00	1.00	0.00
6.40	19.41	2.00	0.00	1.00	0.00	6.60	15.86	2.00	0.00	1.00	0.00
6.80	20.11	2.00	0.00	1.00	0.00	7.00	27.49	2.00	0.00	1.00	0.00
7.20	12.08	2.00	0.00	1.00	0.00	7.40	23.72	2.00	0.00	1.00	0.00
7.60	22.42	2.00	0.00	1.00	0.00	7.80	18.01	2.00	0.00	1.00	0.00
8.00	14.71	2.00	0.00	1.00	0.00	8.20	16.64	2.00	0.00	1.00	0.00
8.40	15.47	2.00	0.00	1.00	0.00	8.60	13.29	2.00	0.00	1.00	0.00
8.80	16.20	2.00	0.00	1.00	0.00	9.00	24.06	2.00	0.00	1.00	0.00
9.20	32.77	2.00	0.00	1.00	0.00	9.40	18.71	2.00	0.00	1.00	0.00
9.60	15.61	2.00	0.00	1.00	0.00	9.80	25.17	2.00	0.00	1.00	0.00
10.00	78.70	0.50	4.07	1.00	0.81						

Total estimated settlement: 2.28

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

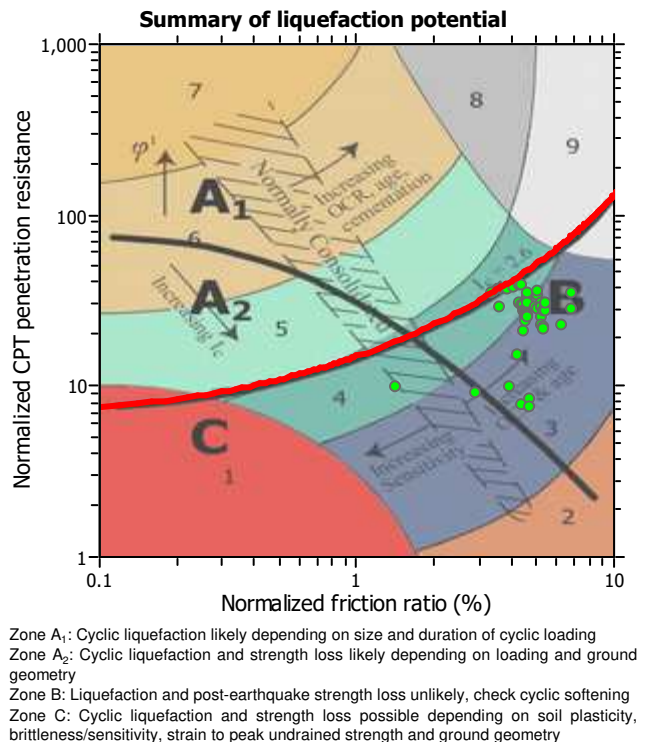
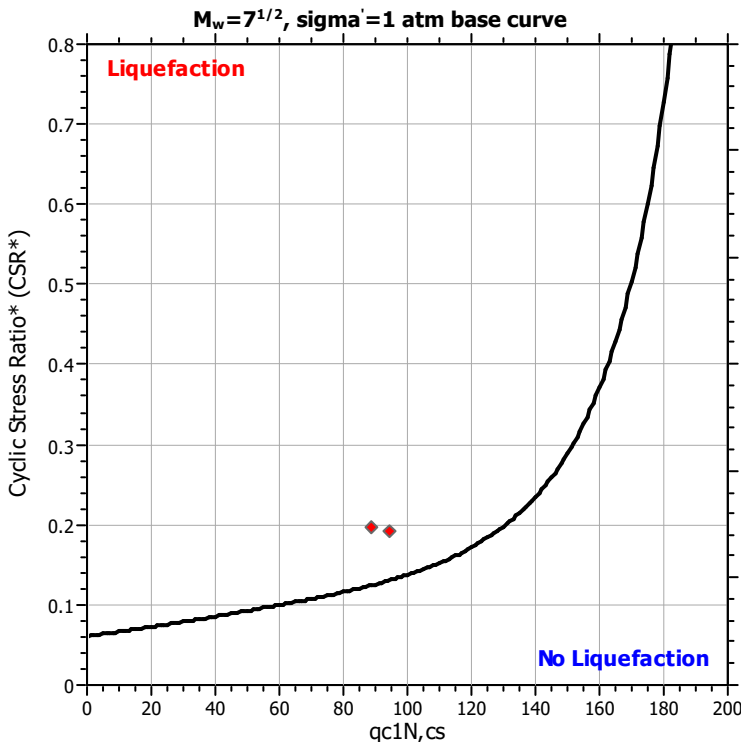
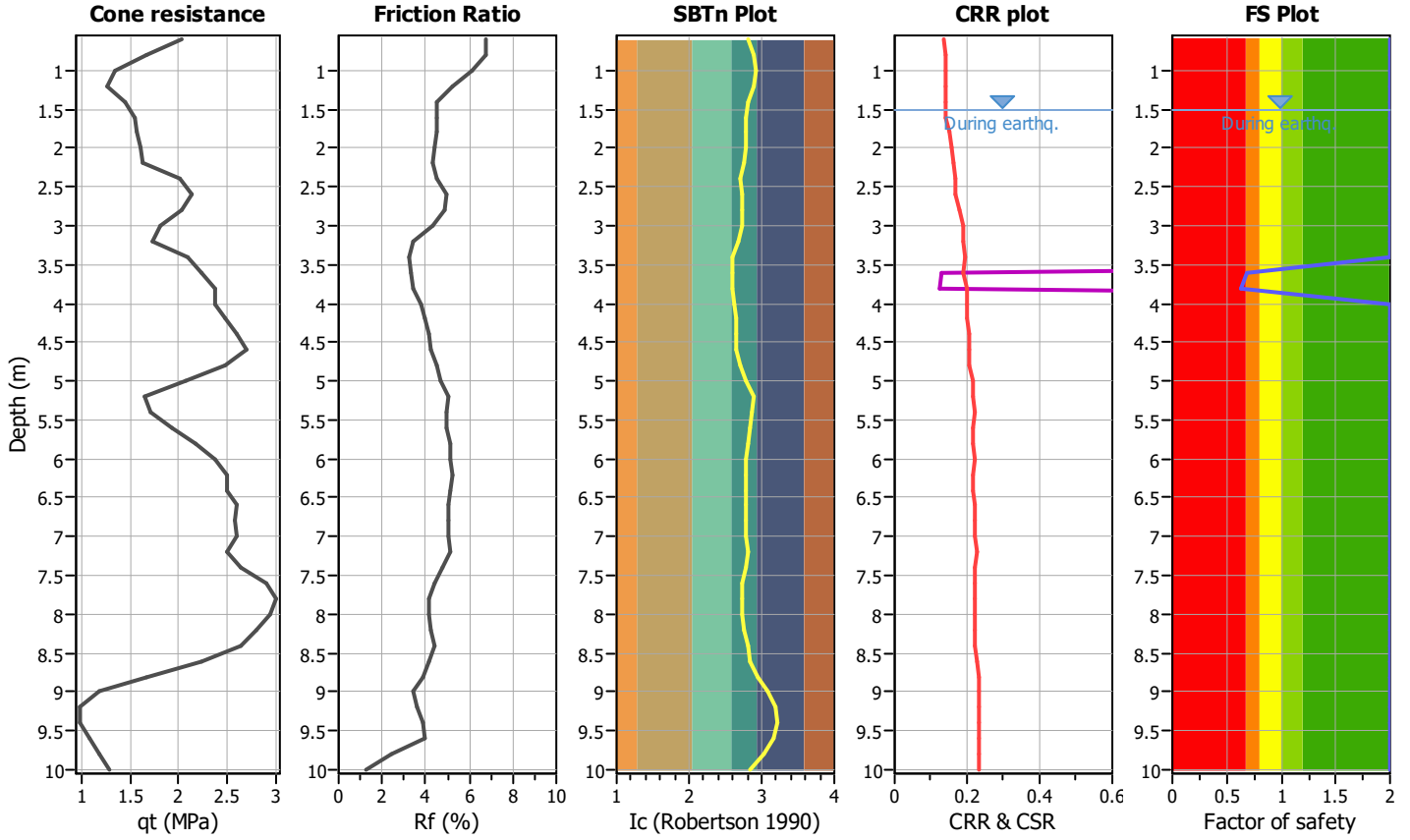
Project title :

Location :

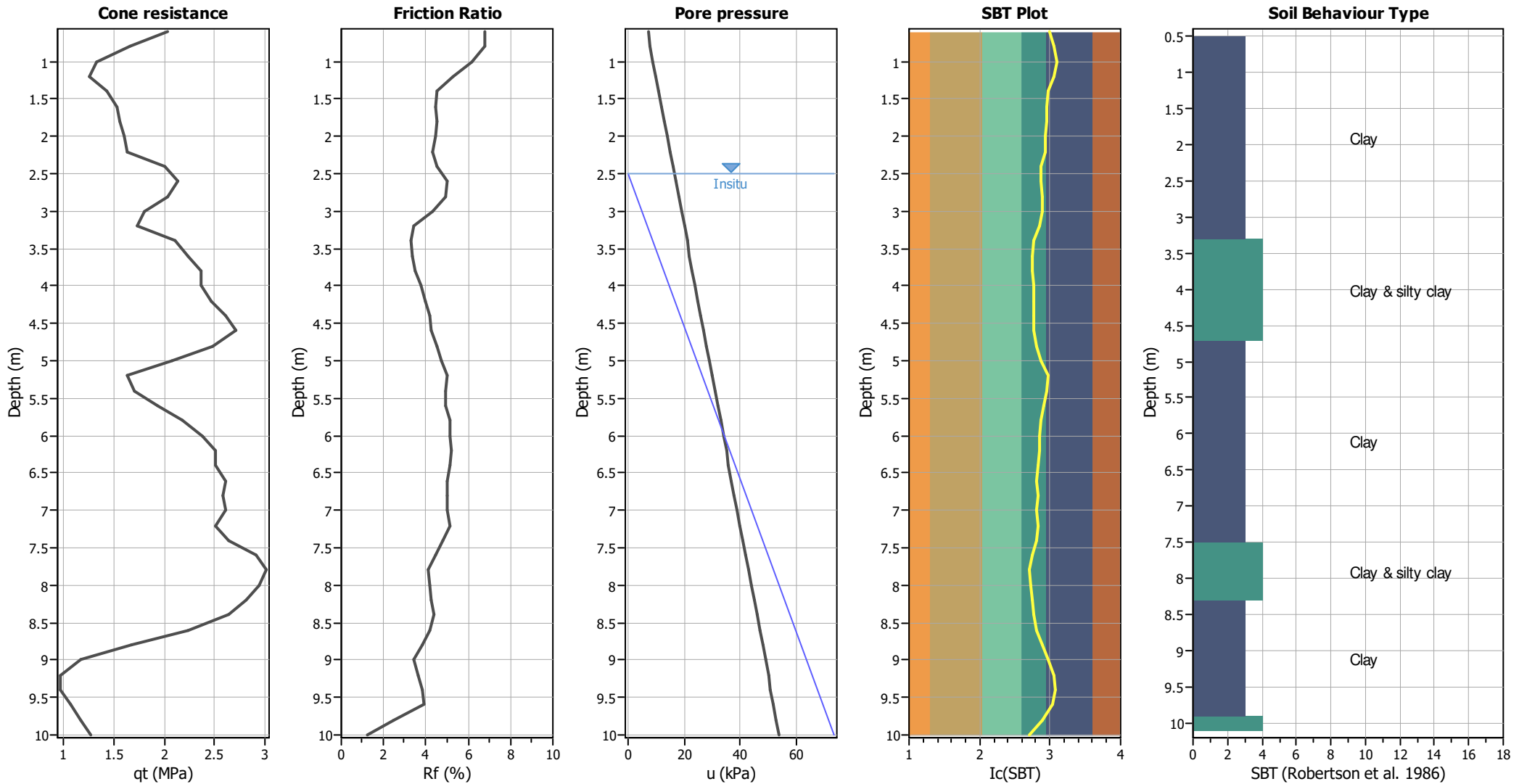
CPT file : P171_CPT162

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes		



CPT basic interpretation plots



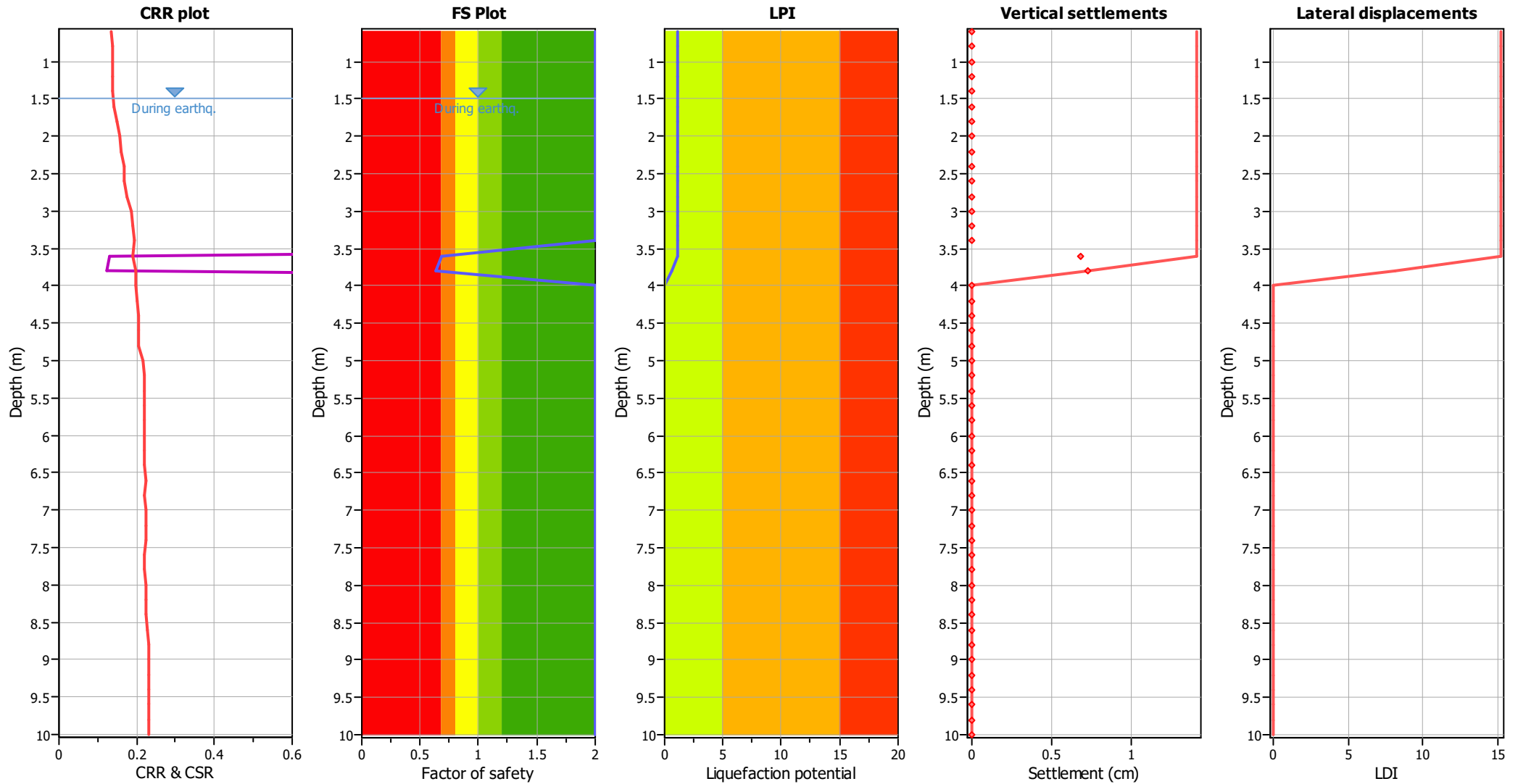
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	0.68	0.32	8.20	0.20	0.53
3.80	0.63	0.37	8.10	0.20	0.60	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00

Overall liquefaction potential: 1.13

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

:: 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)
1.60	28.52	2.00	0.00	1.00	0.00	1.80	26.84	2.00	0.00	1.00	0.00
2.00	23.49	2.00	0.00	1.00	0.00	2.20	28.72	2.00	0.00	1.00	0.00
2.40	26.12	2.00	0.00	1.00	0.00	2.60	36.31	2.00	0.00	1.00	0.00
2.80	31.68	2.00	0.00	1.00	0.00	3.00	20.33	2.00	0.00	1.00	0.00
3.20	25.41	2.00	0.00	1.00	0.00	3.40	27.68	2.00	0.00	1.00	0.00
3.60	94.24	0.68	3.41	1.00	0.68	3.80	88.68	0.63	3.63	1.00	0.73
4.00	31.43	2.00	0.00	1.00	0.00	4.20	32.20	2.00	0.00	1.00	0.00
4.40	31.74	2.00	0.00	1.00	0.00	4.60	34.88	2.00	0.00	1.00	0.00
4.80	34.39	2.00	0.00	1.00	0.00	5.00	22.14	2.00	0.00	1.00	0.00
5.20	19.47	2.00	0.00	1.00	0.00	5.40	18.04	2.00	0.00	1.00	0.00
5.60	23.60	2.00	0.00	1.00	0.00	5.80	26.71	2.00	0.00	1.00	0.00
6.00	25.26	2.00	0.00	1.00	0.00	6.20	29.38	2.00	0.00	1.00	0.00
6.40	30.13	2.00	0.00	1.00	0.00	6.60	24.36	2.00	0.00	1.00	0.00
6.80	31.60	2.00	0.00	1.00	0.00	7.00	28.07	2.00	0.00	1.00	0.00
7.20	24.59	2.00	0.00	1.00	0.00	7.40	27.47	2.00	0.00	1.00	0.00
7.60	31.32	2.00	0.00	1.00	0.00	7.80	32.03	2.00	0.00	1.00	0.00
8.00	29.68	2.00	0.00	1.00	0.00	8.20	28.38	2.00	0.00	1.00	0.00
8.40	27.10	2.00	0.00	1.00	0.00	8.60	23.87	2.00	0.00	1.00	0.00
8.80	15.78	2.00	0.00	1.00	0.00	9.00	9.78	2.00	0.00	1.00	0.00
9.20	8.73	2.00	0.00	1.00	0.00	9.40	9.62	2.00	0.00	1.00	0.00
9.60	9.54	2.00	0.00	1.00	0.00	9.80	11.36	2.00	0.00	1.00	0.00
10.00	12.23	2.00	0.00	1.00	0.00						

Total estimated settlement: 1.41

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

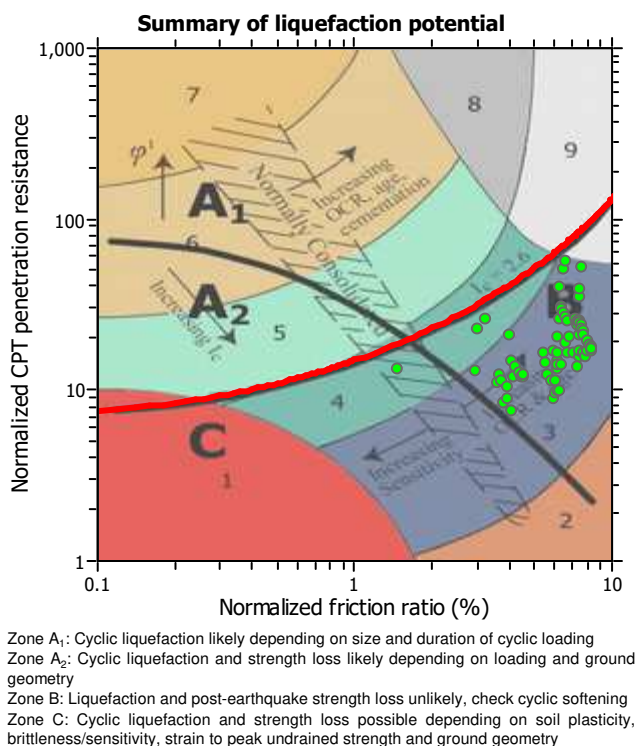
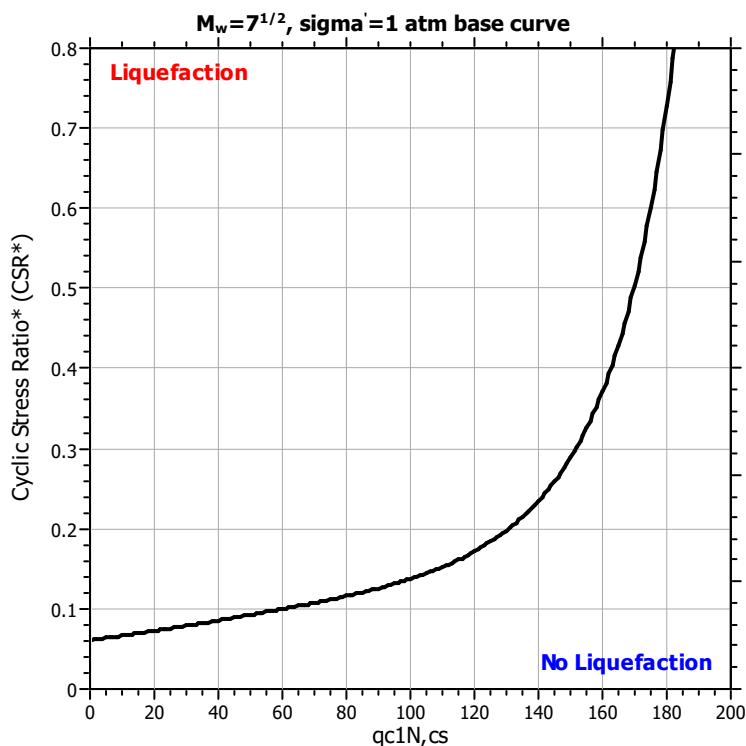
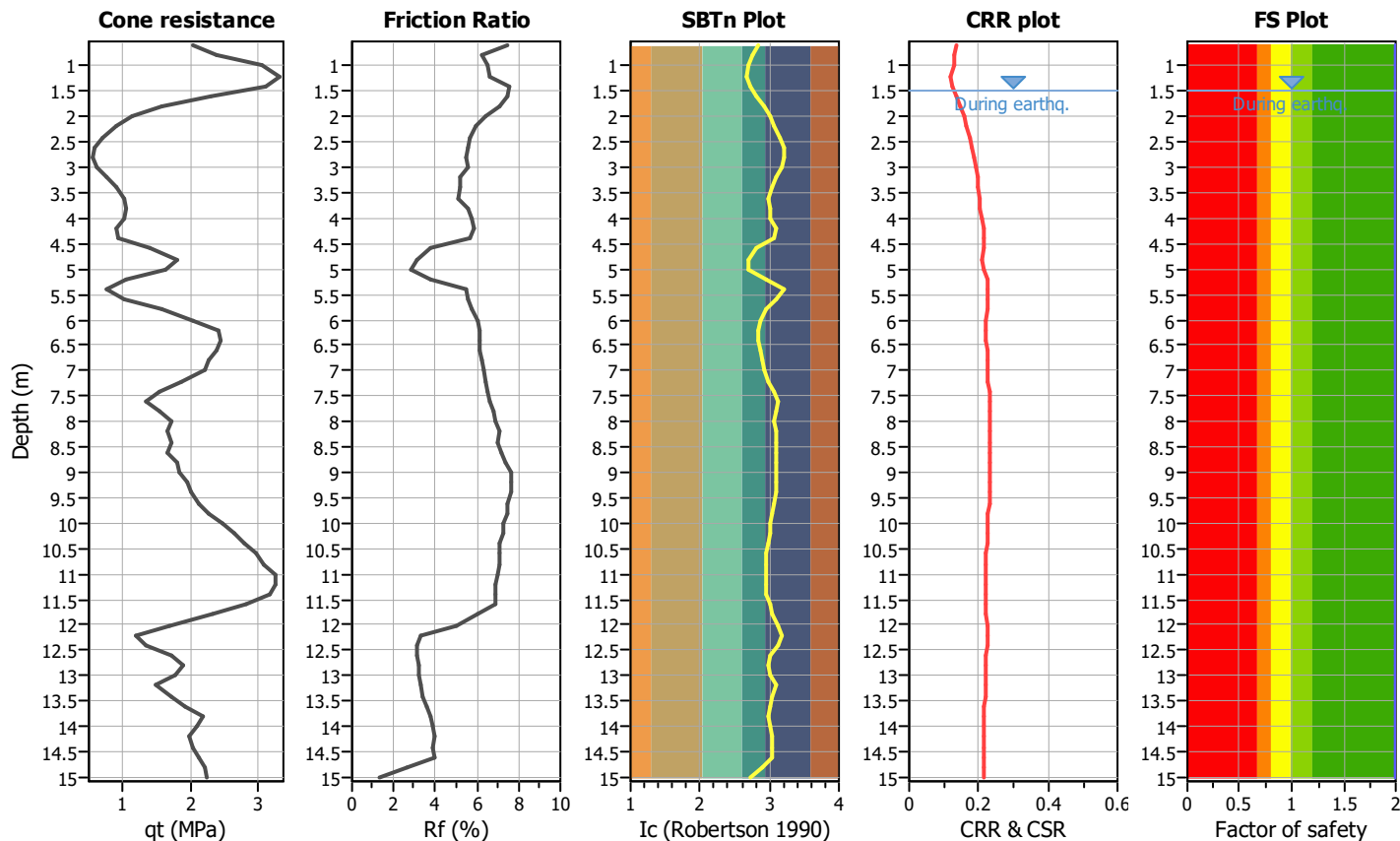
Project title :

Location :

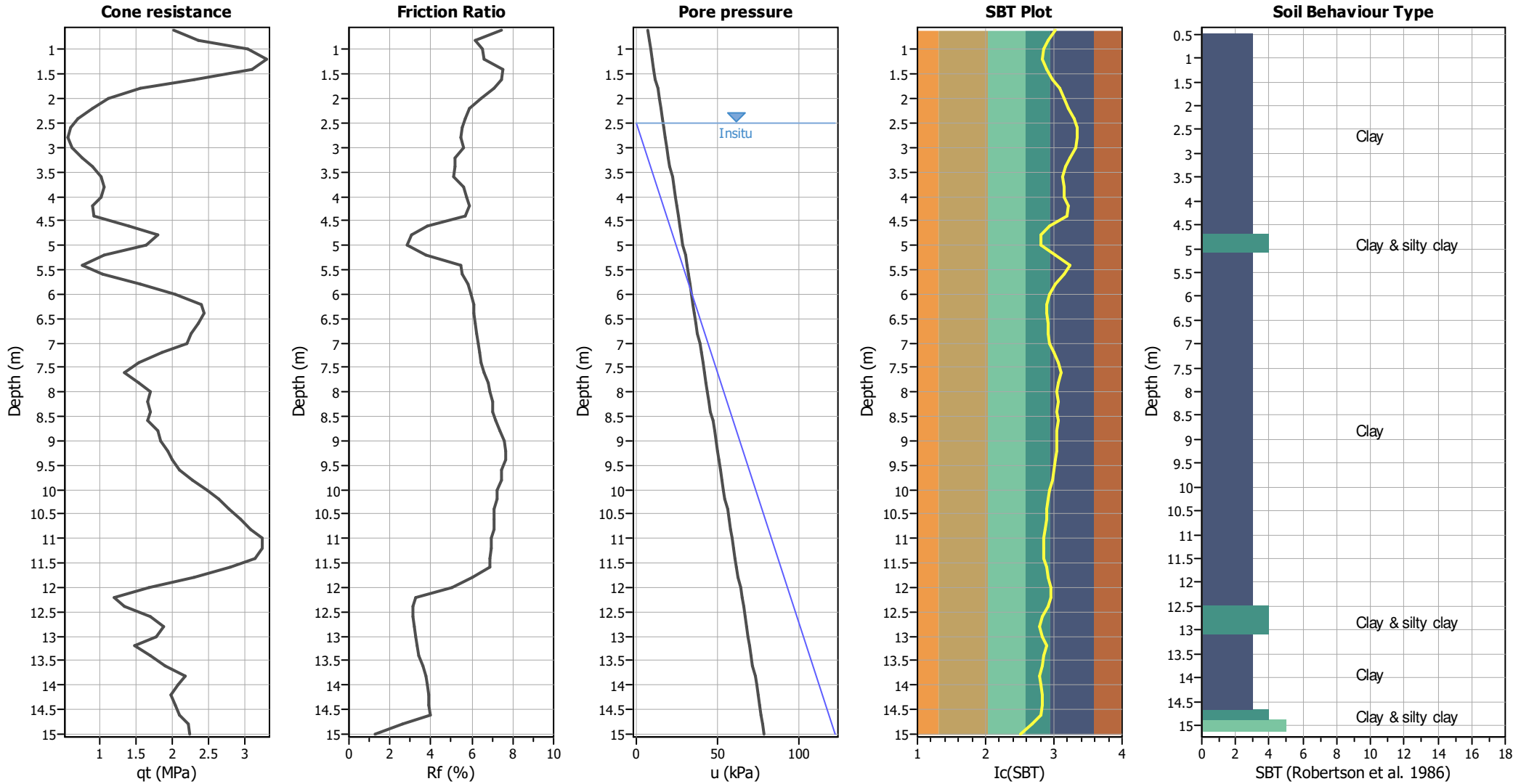
CPT file : P172_CPT163

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



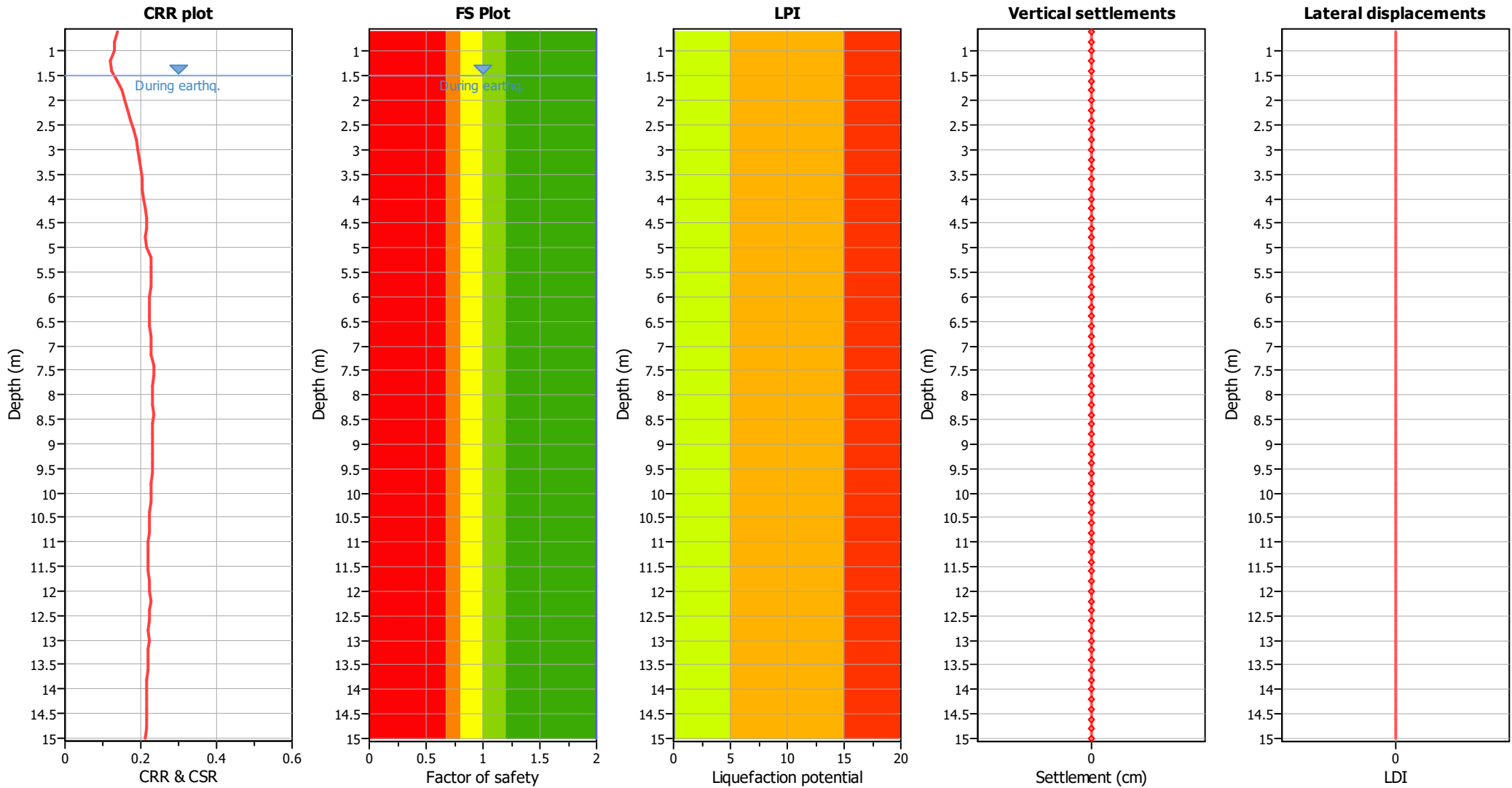
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	36.91	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	18.46	2.00	0.00	1.00	0.00	2.20	14.67	2.00	0.00	1.00	0.00
2.40	11.04	2.00	0.00	1.00	0.00	2.60	7.73	2.00	0.00	1.00	0.00
2.80	9.08	2.00	0.00	1.00	0.00	3.00	8.93	2.00	0.00	1.00	0.00
3.20	10.21	2.00	0.00	1.00	0.00	3.40	14.21	2.00	0.00	1.00	0.00
3.60	13.99	2.00	0.00	1.00	0.00	3.80	15.10	2.00	0.00	1.00	0.00
4.00	14.88	2.00	0.00	1.00	0.00	4.20	12.06	2.00	0.00	1.00	0.00
4.40	9.29	2.00	0.00	1.00	0.00	4.60	15.54	2.00	0.00	1.00	0.00
4.80	28.81	2.00	0.00	1.00	0.00	5.00	23.67	2.00	0.00	1.00	0.00
5.20	8.79	2.00	0.00	1.00	0.00	5.40	7.45	2.00	0.00	1.00	0.00
5.60	12.17	2.00	0.00	1.00	0.00	5.80	17.88	2.00	0.00	1.00	0.00
6.00	25.67	2.00	0.00	1.00	0.00	6.20	27.59	2.00	0.00	1.00	0.00
6.40	29.47	2.00	0.00	1.00	0.00	6.60	25.82	2.00	0.00	1.00	0.00
6.80	24.42	2.00	0.00	1.00	0.00	7.00	25.22	2.00	0.00	1.00	0.00
7.20	22.80	2.00	0.00	1.00	0.00	7.40	12.96	2.00	0.00	1.00	0.00
7.60	13.88	2.00	0.00	1.00	0.00	7.80	15.82	2.00	0.00	1.00	0.00
8.00	18.76	2.00	0.00	1.00	0.00	8.20	18.56	2.00	0.00	1.00	0.00
8.40	14.30	2.00	0.00	1.00	0.00	8.60	19.19	2.00	0.00	1.00	0.00
8.80	17.00	2.00	0.00	1.00	0.00	9.00	17.82	2.00	0.00	1.00	0.00
9.20	19.61	2.00	0.00	1.00	0.00	9.40	19.42	2.00	0.00	1.00	0.00
9.60	19.23	2.00	0.00	1.00	0.00	9.80	21.92	2.00	0.00	1.00	0.00
10.00	23.61	2.00	0.00	1.00	0.00	10.20	24.33	2.00	0.00	1.00	0.00
10.40	25.99	2.00	0.00	1.00	0.00	10.60	26.68	2.00	0.00	1.00	0.00
10.80	28.29	2.00	0.00	1.00	0.00	11.00	28.96	2.00	0.00	1.00	0.00
11.20	30.54	2.00	0.00	1.00	0.00	11.40	27.57	2.00	0.00	1.00	0.00
11.60	25.55	2.00	0.00	1.00	0.00	11.80	20.91	2.00	0.00	1.00	0.00
12.00	13.76	2.00	0.00	1.00	0.00	12.20	8.50	2.00	0.00	1.00	0.00
12.40	8.44	2.00	0.00	1.00	0.00	12.60	16.91	2.00	0.00	1.00	0.00
12.80	17.65	2.00	0.00	1.00	0.00	13.00	12.45	2.00	0.00	1.00	0.00
13.20	14.05	2.00	0.00	1.00	0.00	13.40	9.80	2.00	0.00	1.00	0.00
13.60	18.03	2.00	0.00	1.00	0.00	13.80	18.74	2.00	0.00	1.00	0.00
14.00	16.14	2.00	0.00	1.00	0.00	14.20	15.21	2.00	0.00	1.00	0.00
14.40	15.93	2.00	0.00	1.00	0.00	14.60	17.44	2.00	0.00	1.00	0.00
14.80	16.52	2.00	0.00	1.00	0.00	15.00	18.01	2.00	0.00	1.00	0.00

Total estimated settlement: 0.00

Abbreviations

$Q_{m,cs}$: 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

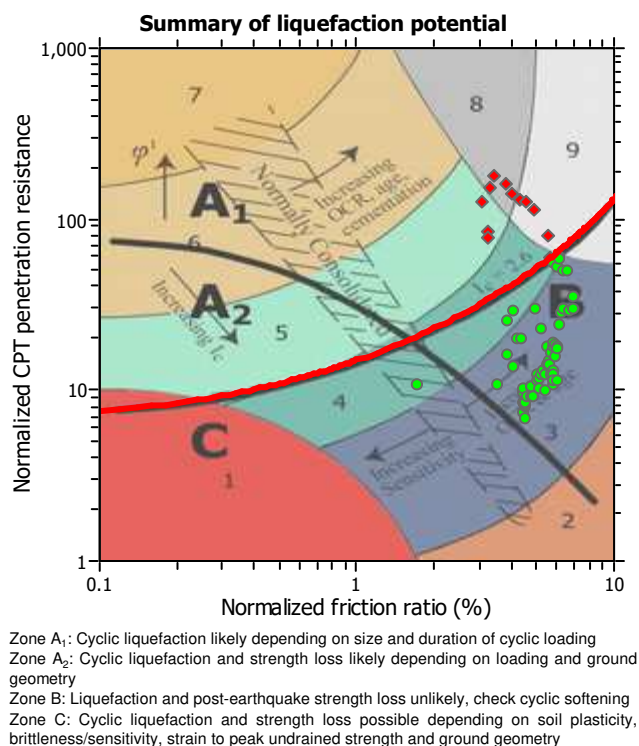
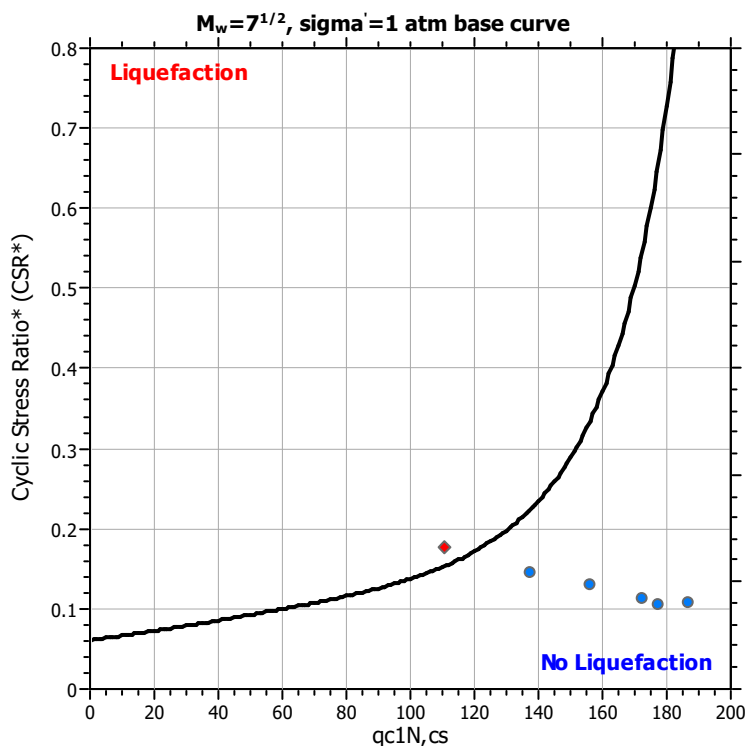
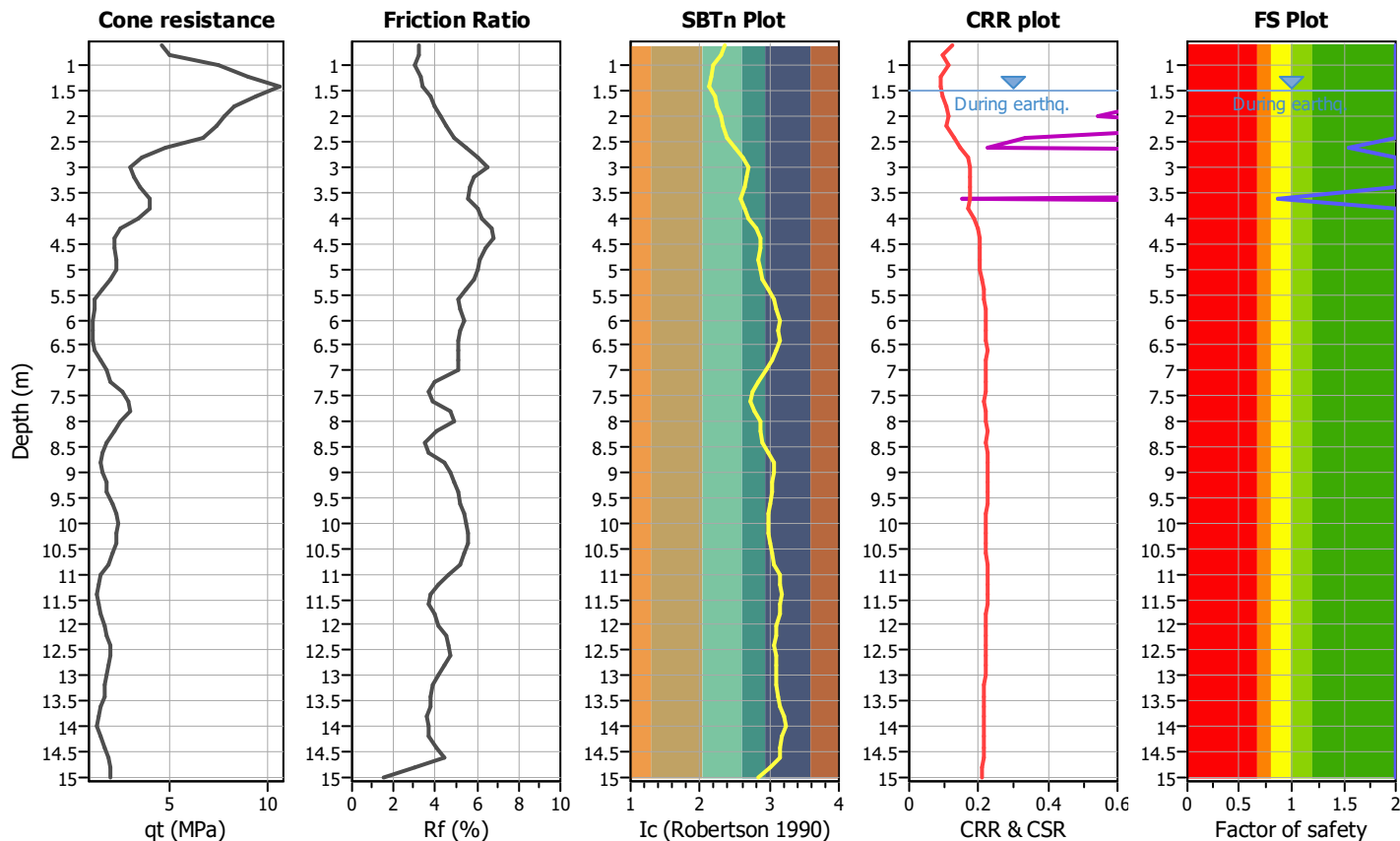
Project title :

Location :

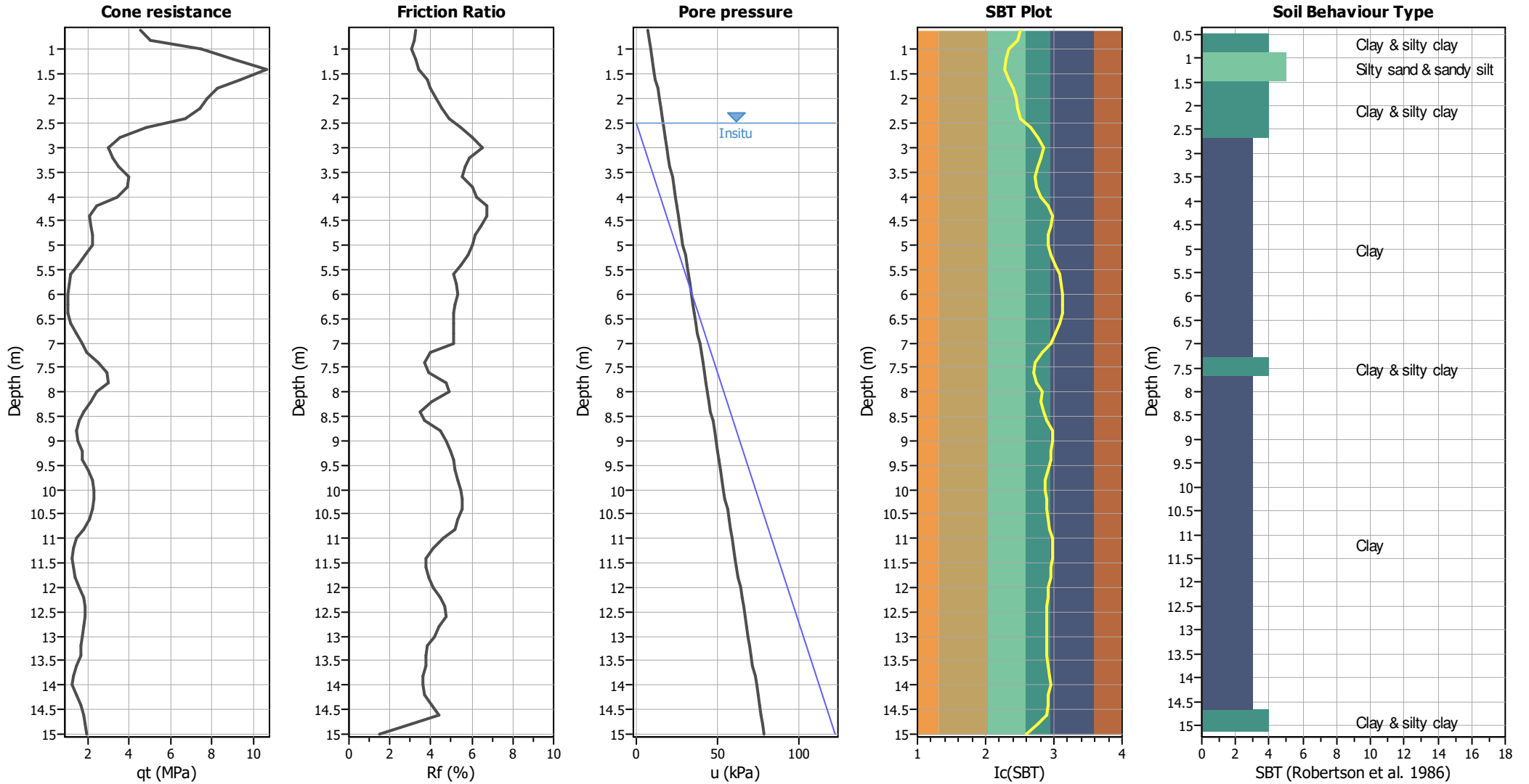
CPT file : P174_CPT165

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		



CPT basic interpretation plots



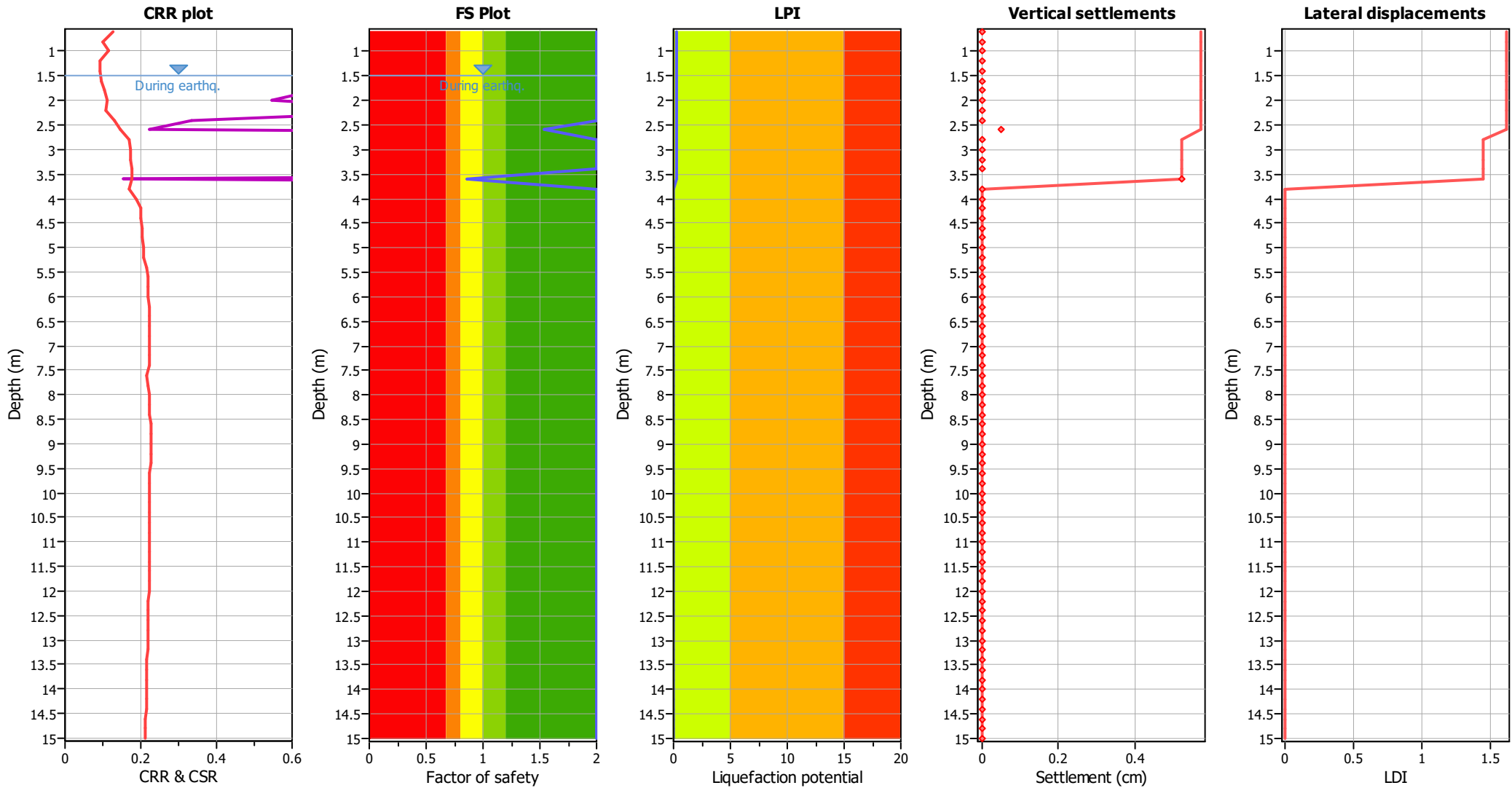
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	1.54	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	0.86	0.14	8.20	0.20	0.22
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.22

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

:: 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)
1.60	216.48	2.00	0.00	1.00	0.00	1.80	177.81	2.00	0.00	1.00	0.00
2.00	172.35	2.00	0.00	1.00	0.00	2.20	187.08	2.00	0.00	1.00	0.00
2.40	156.18	2.00	0.00	1.00	0.00	2.60	137.64	1.54	0.24	1.00	0.05
2.80	36.82	2.00	0.00	1.00	0.00	3.00	37.41	2.00	0.00	1.00	0.00
3.20	44.21	2.00	0.00	1.00	0.00	3.40	43.56	2.00	0.00	1.00	0.00
3.60	110.82	0.86	2.62	1.00	0.52	3.80	58.52	2.00	0.00	1.00	0.00
4.00	40.49	2.00	0.00	1.00	0.00	4.20	25.84	2.00	0.00	1.00	0.00
4.40	24.30	2.00	0.00	1.00	0.00	4.60	26.29	2.00	0.00	1.00	0.00
4.80	25.95	2.00	0.00	1.00	0.00	5.00	26.76	2.00	0.00	1.00	0.00
5.20	24.18	2.00	0.00	1.00	0.00	5.40	14.92	2.00	0.00	1.00	0.00
5.60	13.63	2.00	0.00	1.00	0.00	5.80	11.25	2.00	0.00	1.00	0.00
6.00	12.23	2.00	0.00	1.00	0.00	6.20	11.01	2.00	0.00	1.00	0.00
6.40	11.98	2.00	0.00	1.00	0.00	6.60	10.78	2.00	0.00	1.00	0.00
6.80	14.90	2.00	0.00	1.00	0.00	7.00	19.96	2.00	0.00	1.00	0.00
7.20	19.77	2.00	0.00	1.00	0.00	7.40	21.62	2.00	0.00	1.00	0.00
7.60	36.58	2.00	0.00	1.00	0.00	7.80	30.21	2.00	0.00	1.00	0.00
8.00	23.95	2.00	0.00	1.00	0.00	8.20	17.80	2.00	0.00	1.00	0.00
8.40	21.56	2.00	0.00	1.00	0.00	8.60	12.63	2.00	0.00	1.00	0.00
8.80	11.55	2.00	0.00	1.00	0.00	9.00	17.19	2.00	0.00	1.00	0.00
9.20	15.14	2.00	0.00	1.00	0.00	9.40	15.95	2.00	0.00	1.00	0.00
9.60	17.68	2.00	0.00	1.00	0.00	9.80	22.18	2.00	0.00	1.00	0.00
10.00	21.99	2.00	0.00	1.00	0.00	10.20	19.05	2.00	0.00	1.00	0.00
10.40	20.72	2.00	0.00	1.00	0.00	10.60	20.55	2.00	0.00	1.00	0.00
10.80	14.12	2.00	0.00	1.00	0.00	11.00	13.13	2.00	0.00	1.00	0.00
11.20	10.41	2.00	0.00	1.00	0.00	11.40	11.20	2.00	0.00	1.00	0.00
11.60	10.26	2.00	0.00	1.00	0.00	11.80	11.91	2.00	0.00	1.00	0.00
12.00	13.53	2.00	0.00	1.00	0.00	12.20	15.14	2.00	0.00	1.00	0.00
12.40	15.88	2.00	0.00	1.00	0.00	12.60	16.61	2.00	0.00	1.00	0.00
12.80	14.82	2.00	0.00	1.00	0.00	13.00	13.06	2.00	0.00	1.00	0.00
13.20	13.79	2.00	0.00	1.00	0.00	13.40	13.71	2.00	0.00	1.00	0.00
13.60	11.99	2.00	0.00	1.00	0.00	13.80	9.50	2.00	0.00	1.00	0.00
14.00	10.24	2.00	0.00	1.00	0.00	14.20	10.18	2.00	0.00	1.00	0.00
14.40	13.29	2.00	0.00	1.00	0.00	14.60	14.79	2.00	0.00	1.00	0.00
14.80	13.91	2.00	0.00	1.00	0.00	15.00	15.40	2.00	0.00	1.00	0.00

Total estimated settlement: 0.57

Abbreviations

$Q_{m,cs}$: 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

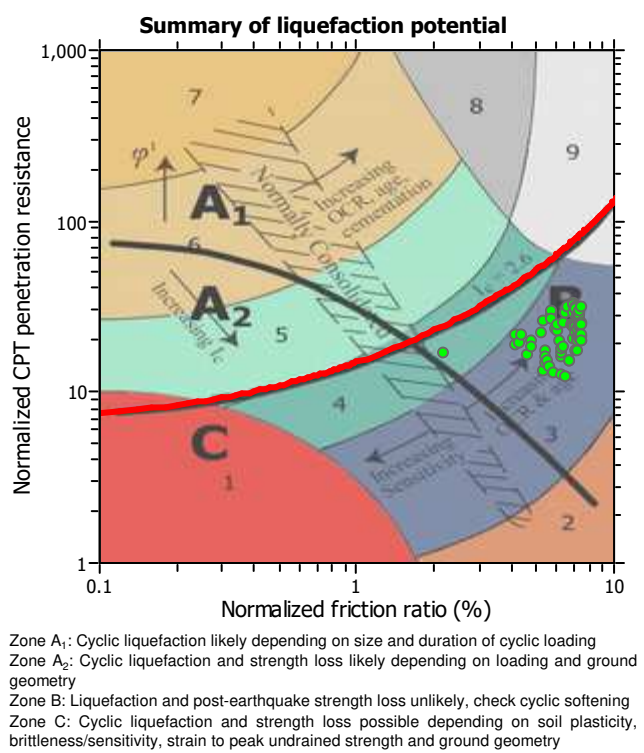
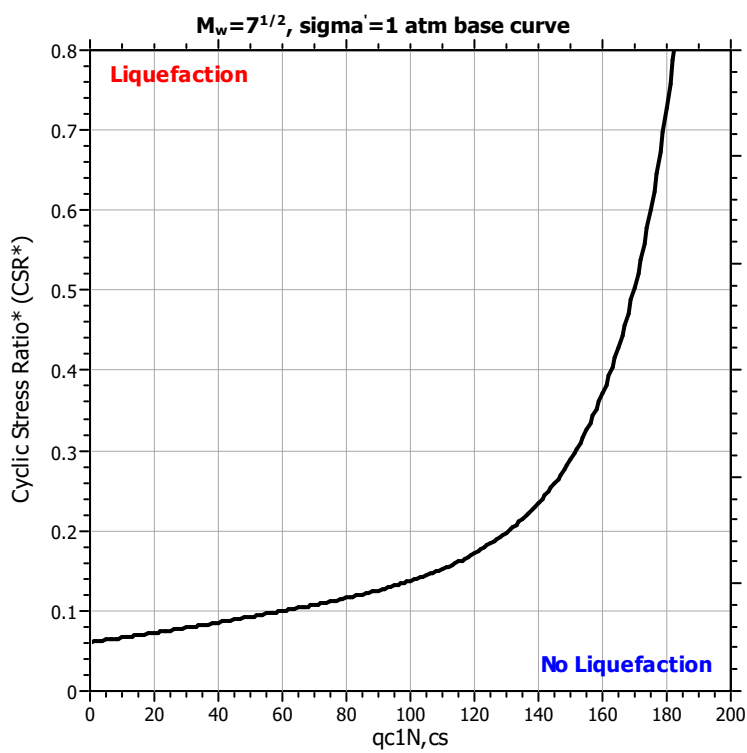
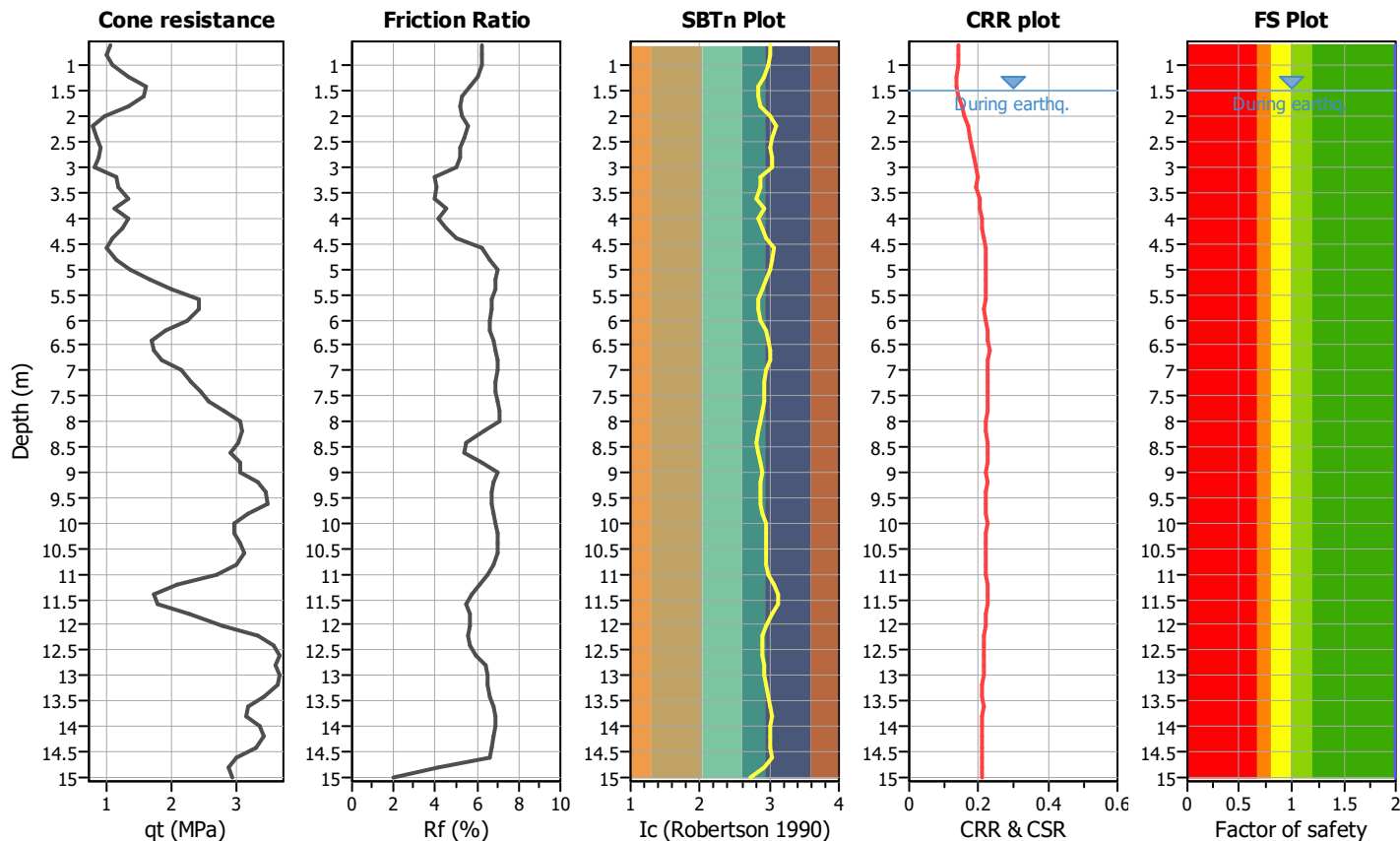
Project title :

Location :

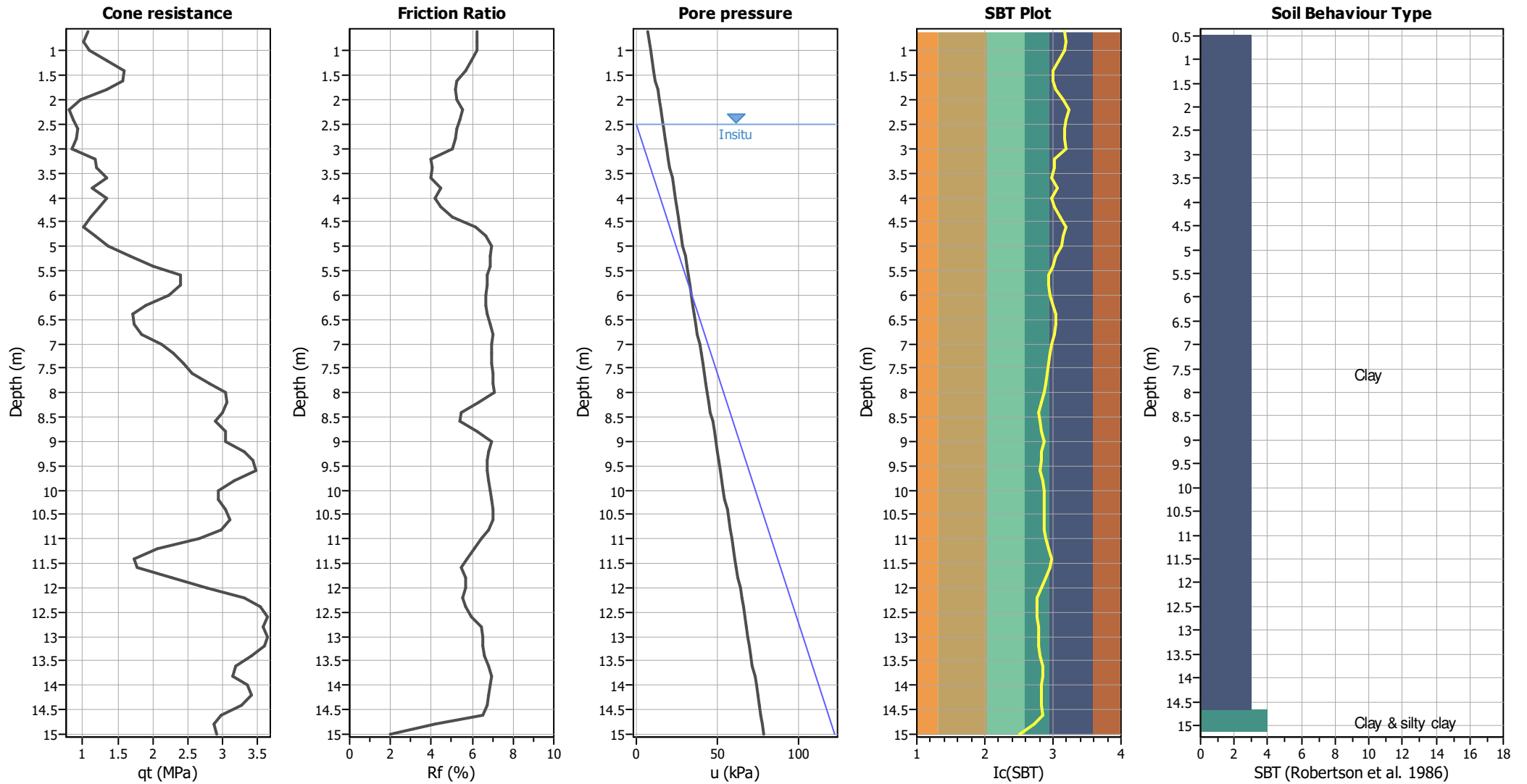
CPT file : P175_CPT166

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



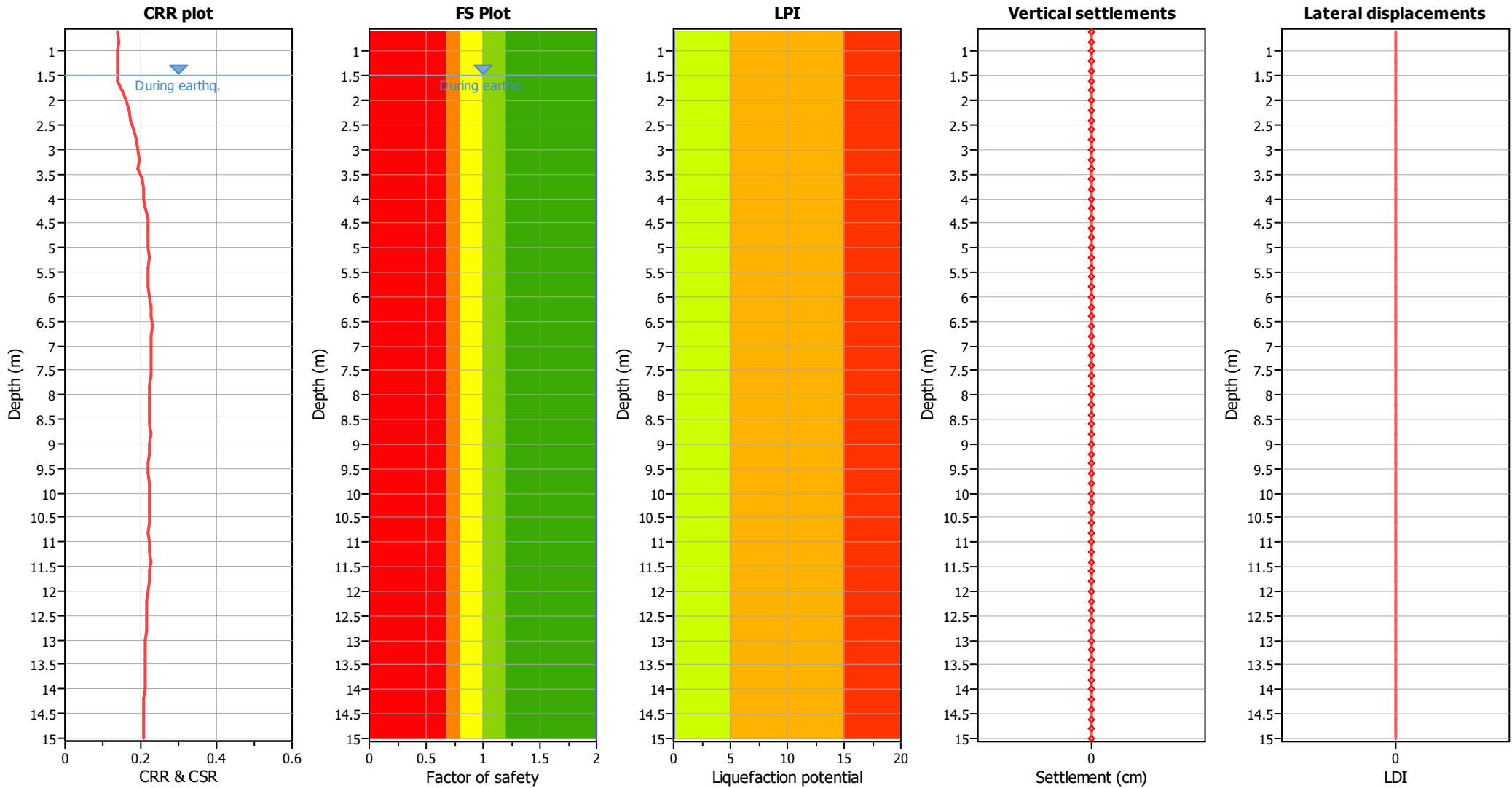
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K ₀ applied:	Yes
Earthquake magnitude M _w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	30.20	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	13.42	2.00	0.00	1.00	0.00	2.20	11.74	2.00	0.00	1.00	0.00
2.40	14.46	2.00	0.00	1.00	0.00	2.60	15.51	2.00	0.00	1.00	0.00
2.80	13.77	2.00	0.00	1.00	0.00	3.00	12.08	2.00	0.00	1.00	0.00
3.20	11.89	2.00	0.00	1.00	0.00	3.40	26.79	2.00	0.00	1.00	0.00
3.60	12.89	2.00	0.00	1.00	0.00	3.80	16.74	2.00	0.00	1.00	0.00
4.00	17.82	2.00	0.00	1.00	0.00	4.20	20.15	2.00	0.00	1.00	0.00
4.40	12.09	2.00	0.00	1.00	0.00	4.60	11.91	2.00	0.00	1.00	0.00
4.80	15.54	2.00	0.00	1.00	0.00	5.00	17.79	2.00	0.00	1.00	0.00
5.20	18.75	2.00	0.00	1.00	0.00	5.40	25.63	2.00	0.00	1.00	0.00
5.60	28.78	2.00	0.00	1.00	0.00	5.80	31.83	2.00	0.00	1.00	0.00
6.00	24.61	2.00	0.00	1.00	0.00	6.20	22.03	2.00	0.00	1.00	0.00
6.40	19.51	2.00	0.00	1.00	0.00	6.60	17.04	2.00	0.00	1.00	0.00
6.80	22.34	2.00	0.00	1.00	0.00	7.00	22.07	2.00	0.00	1.00	0.00
7.20	26.11	2.00	0.00	1.00	0.00	7.40	26.87	2.00	0.00	1.00	0.00
7.60	25.52	2.00	0.00	1.00	0.00	7.80	29.39	2.00	0.00	1.00	0.00
8.00	33.18	2.00	0.00	1.00	0.00	8.20	31.82	2.00	0.00	1.00	0.00
8.40	29.48	2.00	0.00	1.00	0.00	8.60	30.18	2.00	0.00	1.00	0.00
8.80	27.89	2.00	0.00	1.00	0.00	9.00	32.54	2.00	0.00	1.00	0.00
9.20	29.29	2.00	0.00	1.00	0.00	9.40	34.83	2.00	0.00	1.00	0.00
9.60	35.47	2.00	0.00	1.00	0.00	9.80	29.41	2.00	0.00	1.00	0.00
10.00	25.35	2.00	0.00	1.00	0.00	10.20	27.94	2.00	0.00	1.00	0.00
10.40	28.62	2.00	0.00	1.00	0.00	10.60	27.45	2.00	0.00	1.00	0.00
10.80	29.05	2.00	0.00	1.00	0.00	11.00	24.25	2.00	0.00	1.00	0.00
11.20	18.64	2.00	0.00	1.00	0.00	11.40	12.27	2.00	0.00	1.00	0.00
11.60	14.82	2.00	0.00	1.00	0.00	11.80	19.09	2.00	0.00	1.00	0.00
12.00	25.09	2.00	0.00	1.00	0.00	12.20	27.52	2.00	0.00	1.00	0.00
12.40	32.56	2.00	0.00	1.00	0.00	12.60	30.57	2.00	0.00	1.00	0.00
12.80	29.47	2.00	0.00	1.00	0.00	13.00	30.11	2.00	0.00	1.00	0.00
13.20	31.61	2.00	0.00	1.00	0.00	13.40	27.97	2.00	0.00	1.00	0.00
13.60	24.41	2.00	0.00	1.00	0.00	13.80	25.06	2.00	0.00	1.00	0.00
14.00	26.54	2.00	0.00	1.00	0.00	14.20	28.84	2.00	0.00	1.00	0.00
14.40	26.17	2.00	0.00	1.00	0.00	14.60	22.74	2.00	0.00	1.00	0.00
14.80	20.98	2.00	0.00	1.00	0.00	15.00	23.21	2.00	0.00	1.00	0.00
Total estimated settlement: 0.00											

Abbreviations

- Q_{m,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

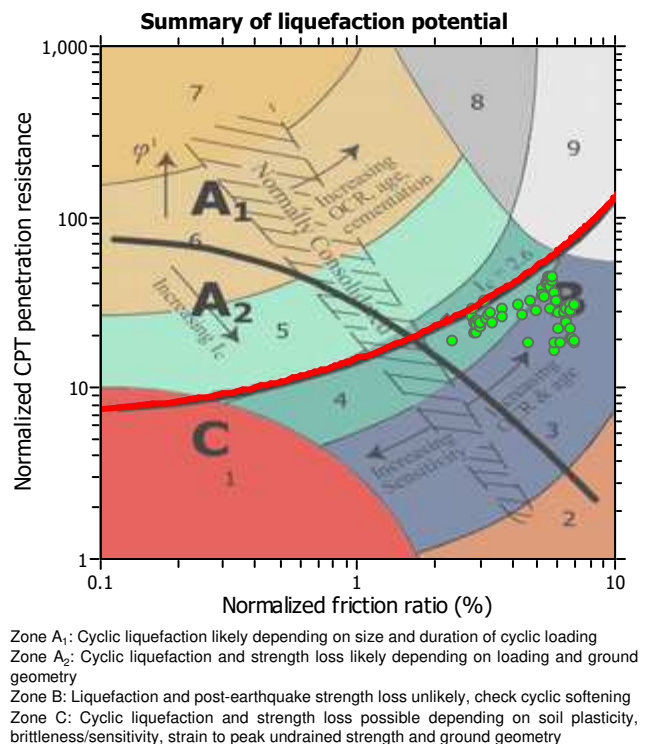
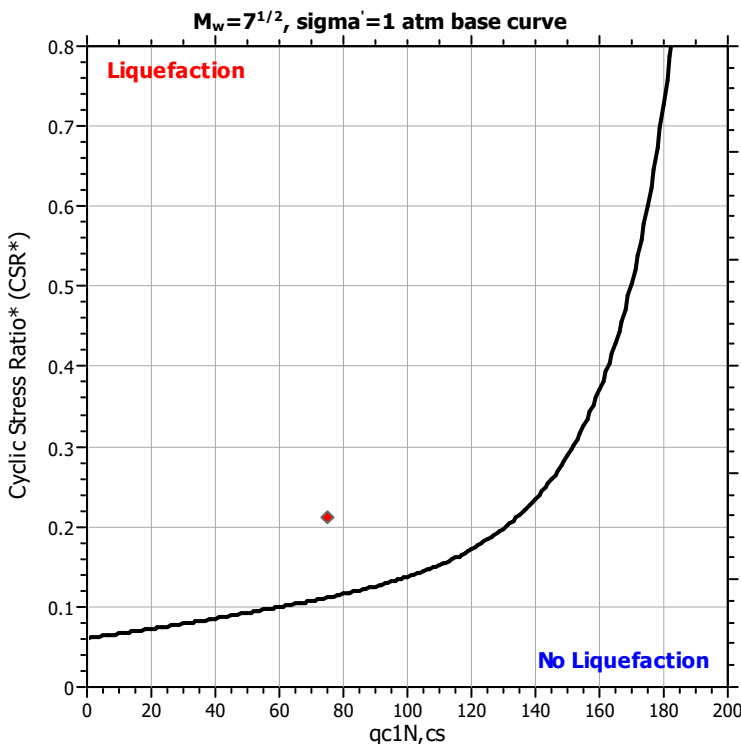
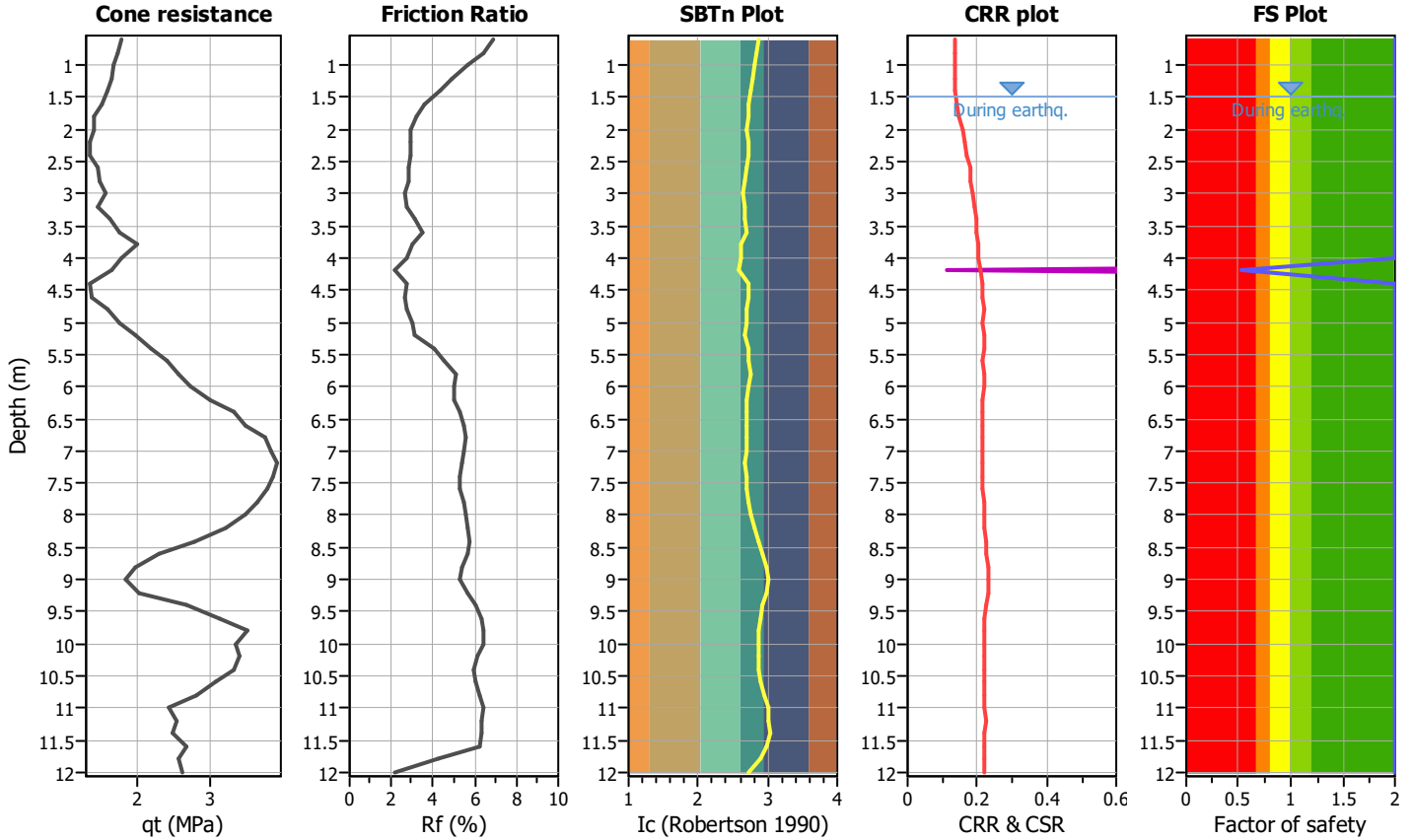
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Location :

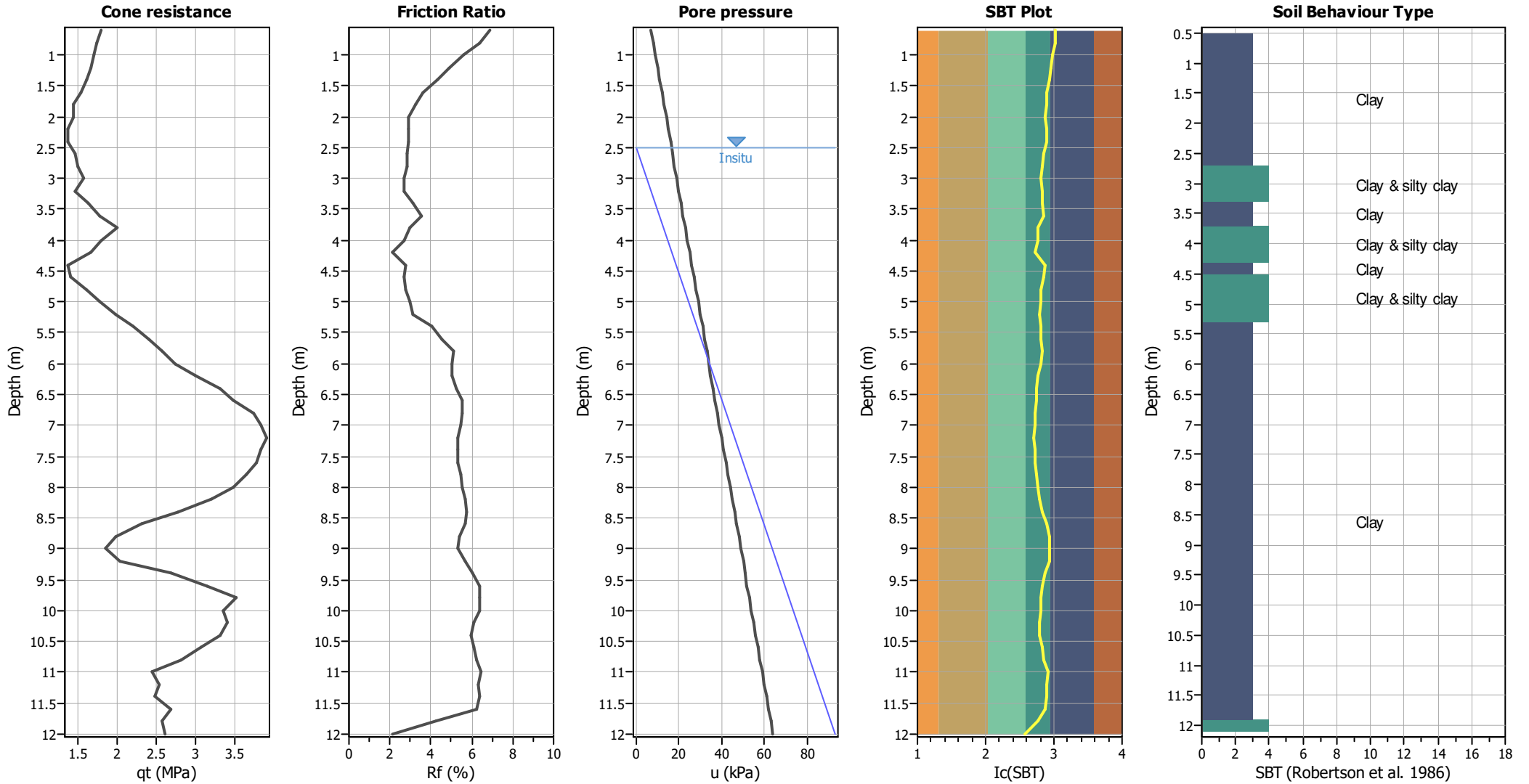
CPT file : P176_CPT167

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes		



CPT basic interpretation plots



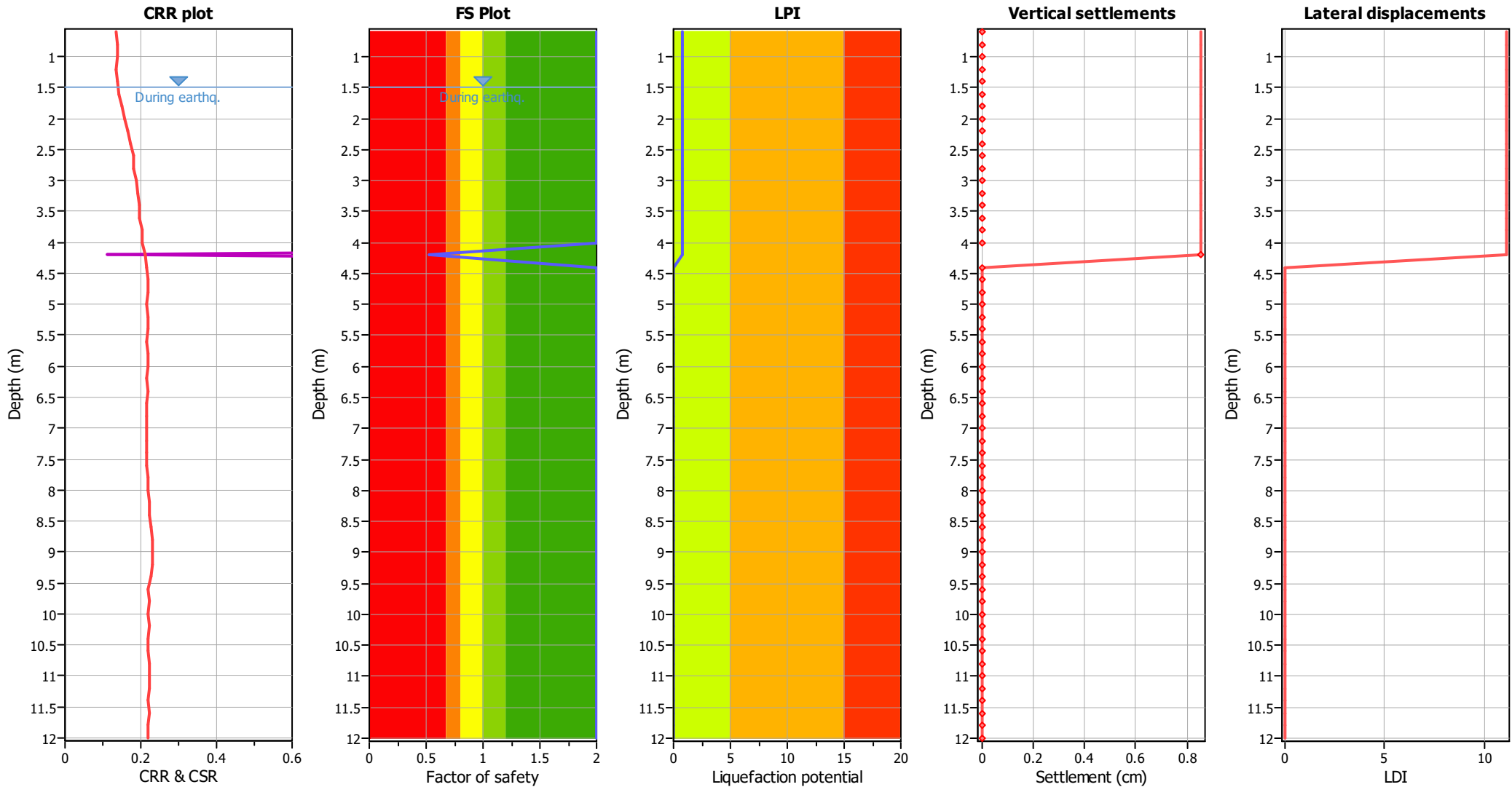
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	0.53	0.47	7.90	0.20	0.75	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.75

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

Abbreviations

FS: Calculated factor of safety for test point
 F_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

:: 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)
1.60	25.17	2.00	0.00	1.00	0.00	1.80	26.84	2.00	0.00	1.00	0.00
2.00	20.13	2.00	0.00	1.00	0.00	2.20	24.39	2.00	0.00	1.00	0.00
2.40	21.92	2.00	0.00	1.00	0.00	2.60	18.41	2.00	0.00	1.00	0.00
2.80	26.57	2.00	0.00	1.00	0.00	3.00	22.02	2.00	0.00	1.00	0.00
3.20	20.29	2.00	0.00	1.00	0.00	3.40	21.32	2.00	0.00	1.00	0.00
3.60	27.58	2.00	0.00	1.00	0.00	3.80	24.62	2.00	0.00	1.00	0.00
4.00	29.37	2.00	0.00	1.00	0.00	4.20	74.97	0.53	4.27	1.00	0.85
4.40	18.51	2.00	0.00	1.00	0.00	4.60	17.00	2.00	0.00	1.00	0.00
4.80	19.27	2.00	0.00	1.00	0.00	5.00	25.12	2.00	0.00	1.00	0.00
5.20	22.40	2.00	0.00	1.00	0.00	5.40	25.65	2.00	0.00	1.00	0.00
5.60	32.27	2.00	0.00	1.00	0.00	5.80	28.42	2.00	0.00	1.00	0.00
6.00	30.32	2.00	0.00	1.00	0.00	6.20	36.64	2.00	0.00	1.00	0.00
6.40	36.20	2.00	0.00	1.00	0.00	6.60	39.02	2.00	0.00	1.00	0.00
6.80	40.72	2.00	0.00	1.00	0.00	7.00	43.44	2.00	0.00	1.00	0.00
7.20	40.86	2.00	0.00	1.00	0.00	7.40	41.46	2.00	0.00	1.00	0.00
7.60	39.98	2.00	0.00	1.00	0.00	7.80	37.50	2.00	0.00	1.00	0.00
8.00	36.09	2.00	0.00	1.00	0.00	8.20	33.70	2.00	0.00	1.00	0.00
8.40	28.33	2.00	0.00	1.00	0.00	8.60	22.05	2.00	0.00	1.00	0.00
8.80	18.87	2.00	0.00	1.00	0.00	9.00	17.71	2.00	0.00	1.00	0.00
9.20	17.54	2.00	0.00	1.00	0.00	9.40	24.14	2.00	0.00	1.00	0.00
9.60	35.45	2.00	0.00	1.00	0.00	9.80	30.34	2.00	0.00	1.00	0.00
10.00	33.86	2.00	0.00	1.00	0.00	10.20	29.79	2.00	0.00	1.00	0.00
10.40	31.40	2.00	0.00	1.00	0.00	10.60	30.21	2.00	0.00	1.00	0.00
10.80	22.61	2.00	0.00	1.00	0.00	11.00	23.33	2.00	0.00	1.00	0.00
11.20	19.53	2.00	0.00	1.00	0.00	11.40	24.74	2.00	0.00	1.00	0.00
11.60	20.98	2.00	0.00	1.00	0.00	11.80	24.35	2.00	0.00	1.00	0.00
12.00	21.52	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.85

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

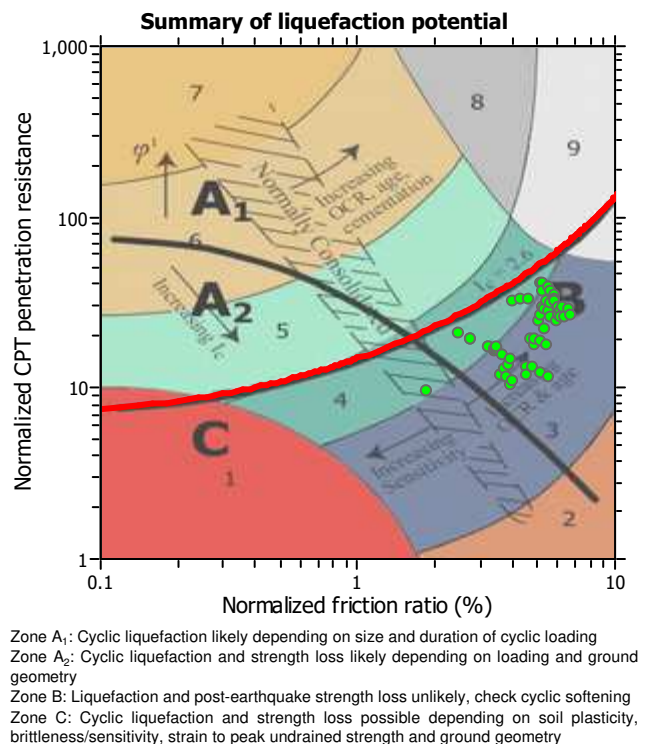
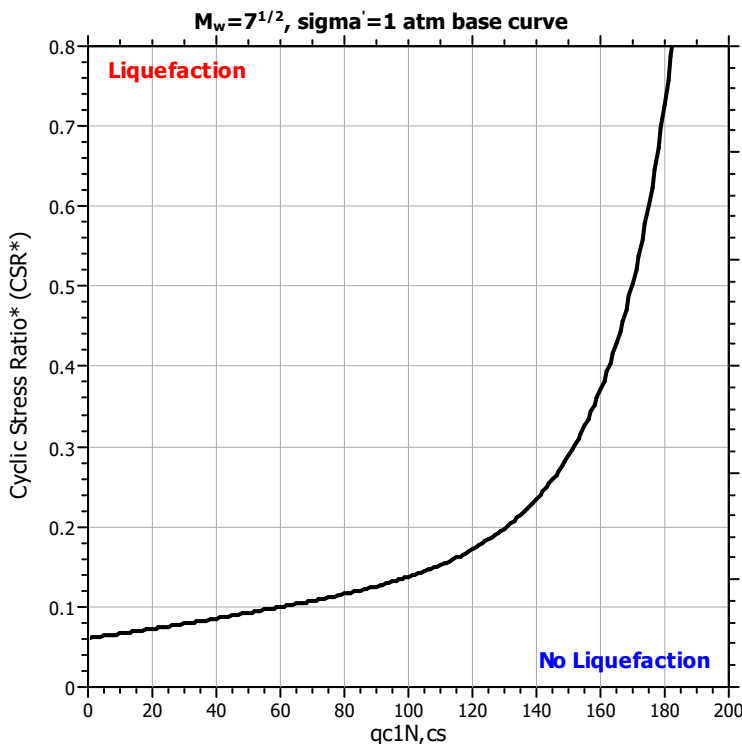
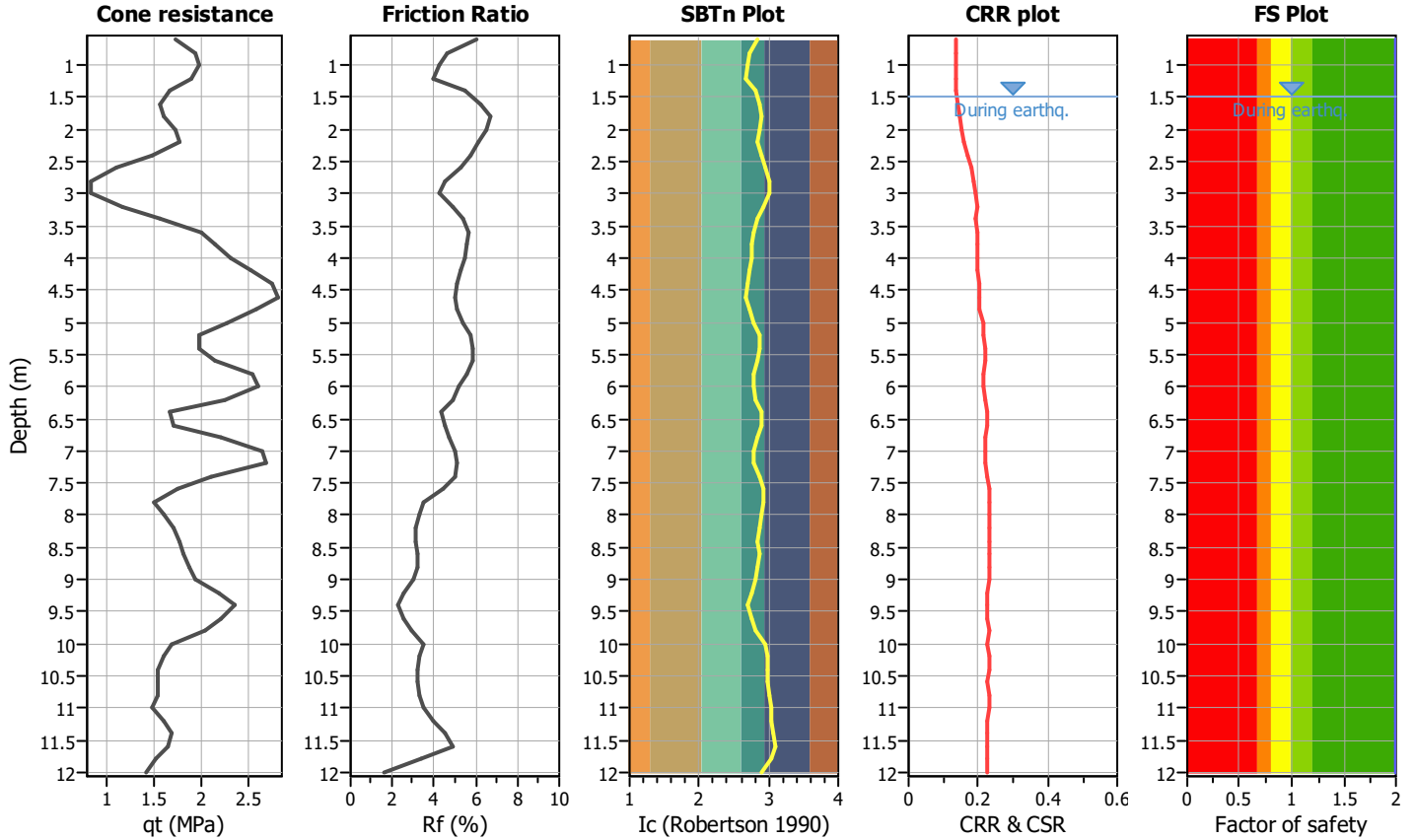
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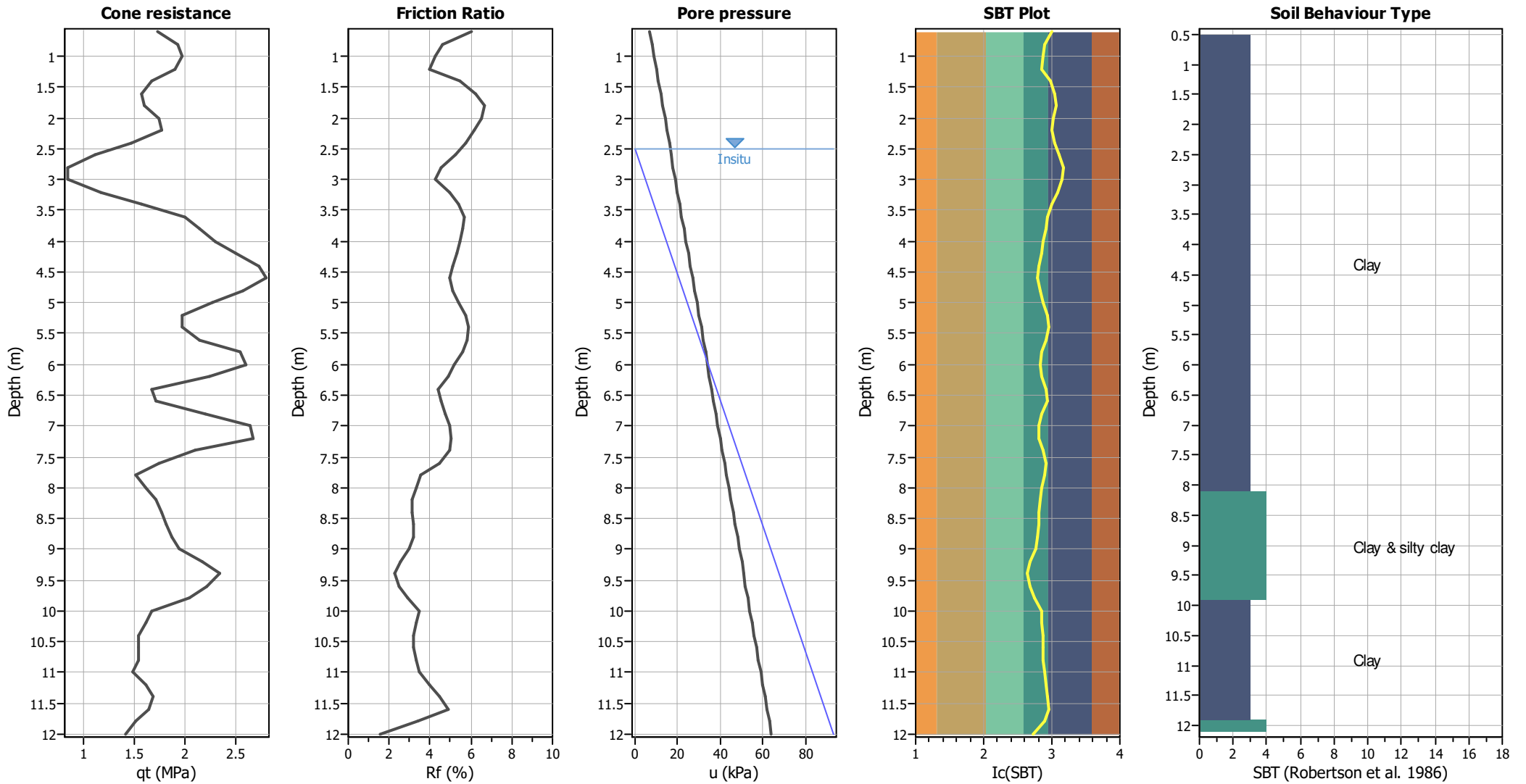
CPT file : P177_CPT168

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



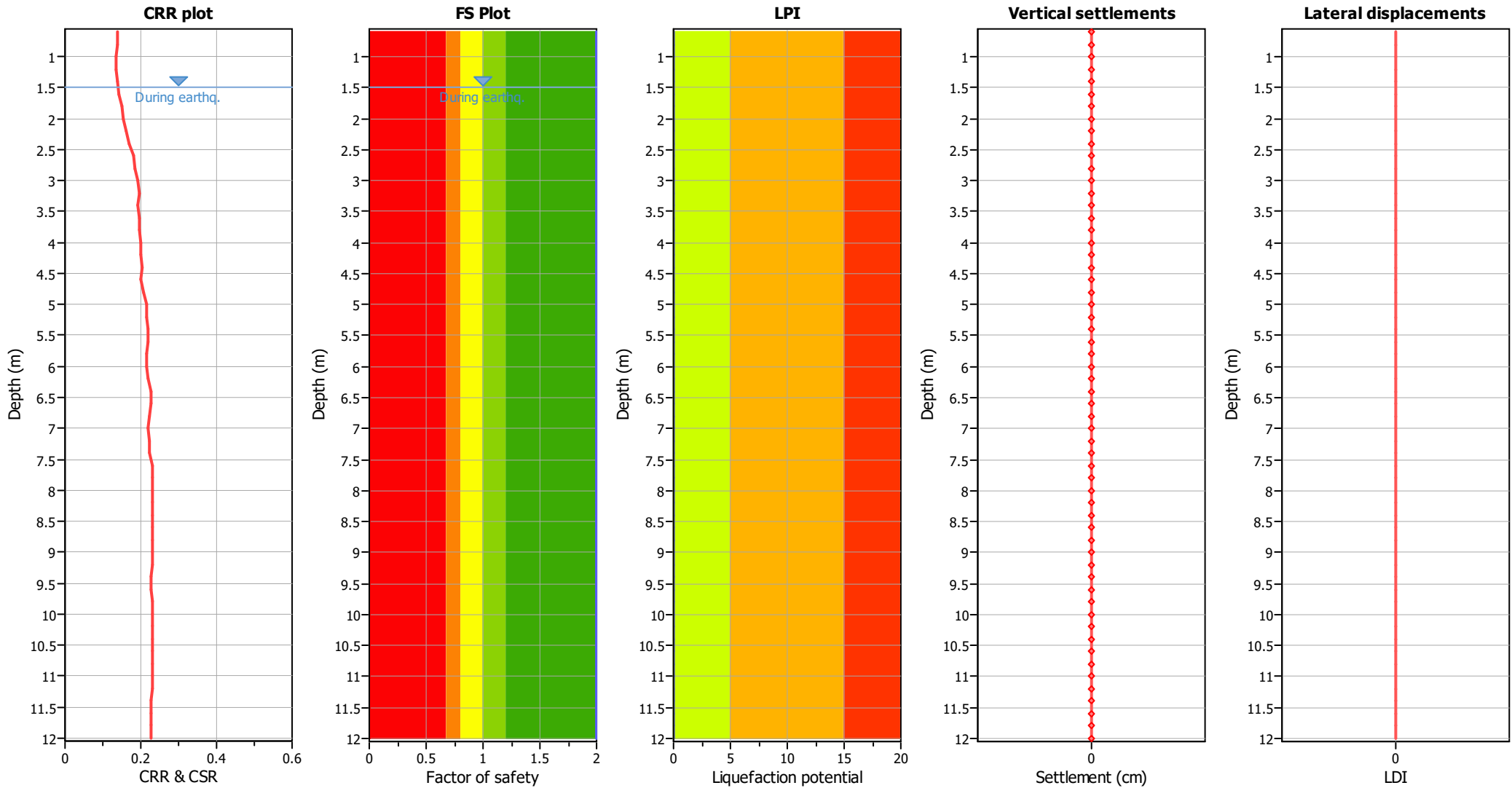
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.00

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

:: 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)
1.60	26.84	2.00	0.00	1.00	0.00	1.80	25.17	2.00	0.00	1.00	0.00
2.00	28.37	2.00	0.00	1.00	0.00	2.20	31.49	2.00	0.00	1.00	0.00
2.40	24.53	2.00	0.00	1.00	0.00	2.60	12.29	2.00	0.00	1.00	0.00
2.80	13.54	2.00	0.00	1.00	0.00	3.00	11.89	2.00	0.00	1.00	0.00
3.20	11.69	2.00	0.00	1.00	0.00	3.40	26.38	2.00	0.00	1.00	0.00
3.60	27.26	2.00	0.00	1.00	0.00	3.80	28.11	2.00	0.00	1.00	0.00
4.00	30.19	2.00	0.00	1.00	0.00	4.20	32.20	2.00	0.00	1.00	0.00
4.40	34.16	2.00	0.00	1.00	0.00	4.60	37.24	2.00	0.00	1.00	0.00
4.80	33.21	2.00	0.00	1.00	0.00	5.00	24.51	2.00	0.00	1.00	0.00
5.20	25.34	2.00	0.00	1.00	0.00	5.40	21.52	2.00	0.00	1.00	0.00
5.60	23.54	2.00	0.00	1.00	0.00	5.80	30.02	2.00	0.00	1.00	0.00
6.00	34.10	2.00	0.00	1.00	0.00	6.20	24.89	2.00	0.00	1.00	0.00
6.40	16.88	2.00	0.00	1.00	0.00	6.60	14.49	2.00	0.00	1.00	0.00
6.80	25.16	2.00	0.00	1.00	0.00	7.00	32.32	2.00	0.00	1.00	0.00
7.20	27.76	2.00	0.00	1.00	0.00	7.40	25.38	2.00	0.00	1.00	0.00
7.60	13.67	2.00	0.00	1.00	0.00	7.80	15.61	2.00	0.00	1.00	0.00
8.00	17.51	2.00	0.00	1.00	0.00	8.20	16.34	2.00	0.00	1.00	0.00
8.40	18.20	2.00	0.00	1.00	0.00	8.60	19.04	2.00	0.00	1.00	0.00
8.80	16.88	2.00	0.00	1.00	0.00	9.00	19.68	2.00	0.00	1.00	0.00
9.20	20.49	2.00	0.00	1.00	0.00	9.40	23.23	2.00	0.00	1.00	0.00
9.60	24.00	2.00	0.00	1.00	0.00	9.80	16.16	2.00	0.00	1.00	0.00
10.00	17.92	2.00	0.00	1.00	0.00	10.20	13.08	2.00	0.00	1.00	0.00
10.40	13.91	2.00	0.00	1.00	0.00	10.60	15.65	2.00	0.00	1.00	0.00
10.80	12.77	2.00	0.00	1.00	0.00	11.00	13.59	2.00	0.00	1.00	0.00
11.20	13.48	2.00	0.00	1.00	0.00	11.40	16.08	2.00	0.00	1.00	0.00
11.60	15.06	2.00	0.00	1.00	0.00	11.80	12.29	2.00	0.00	1.00	0.00
12.00	12.20	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.00

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

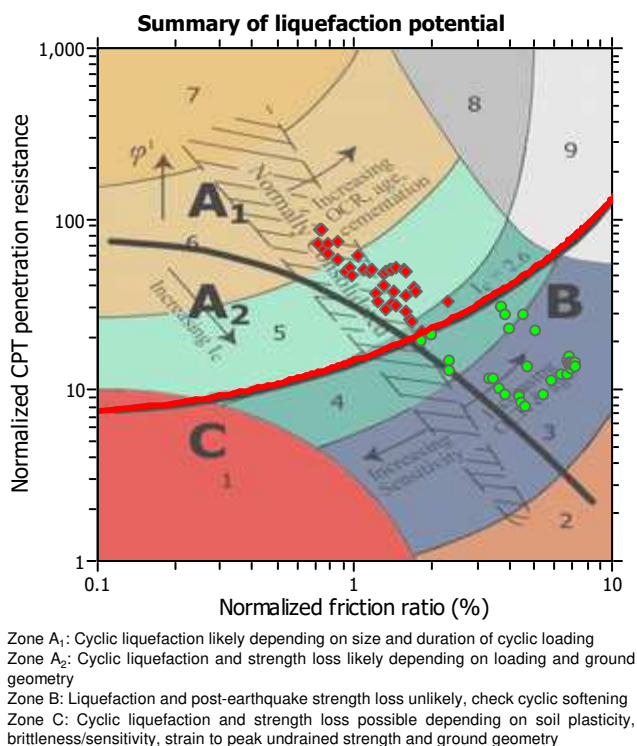
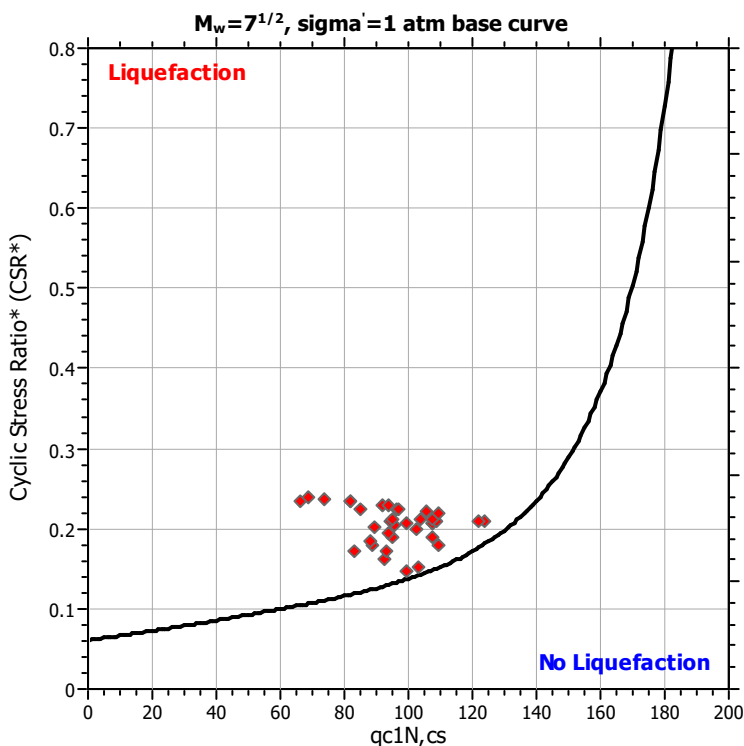
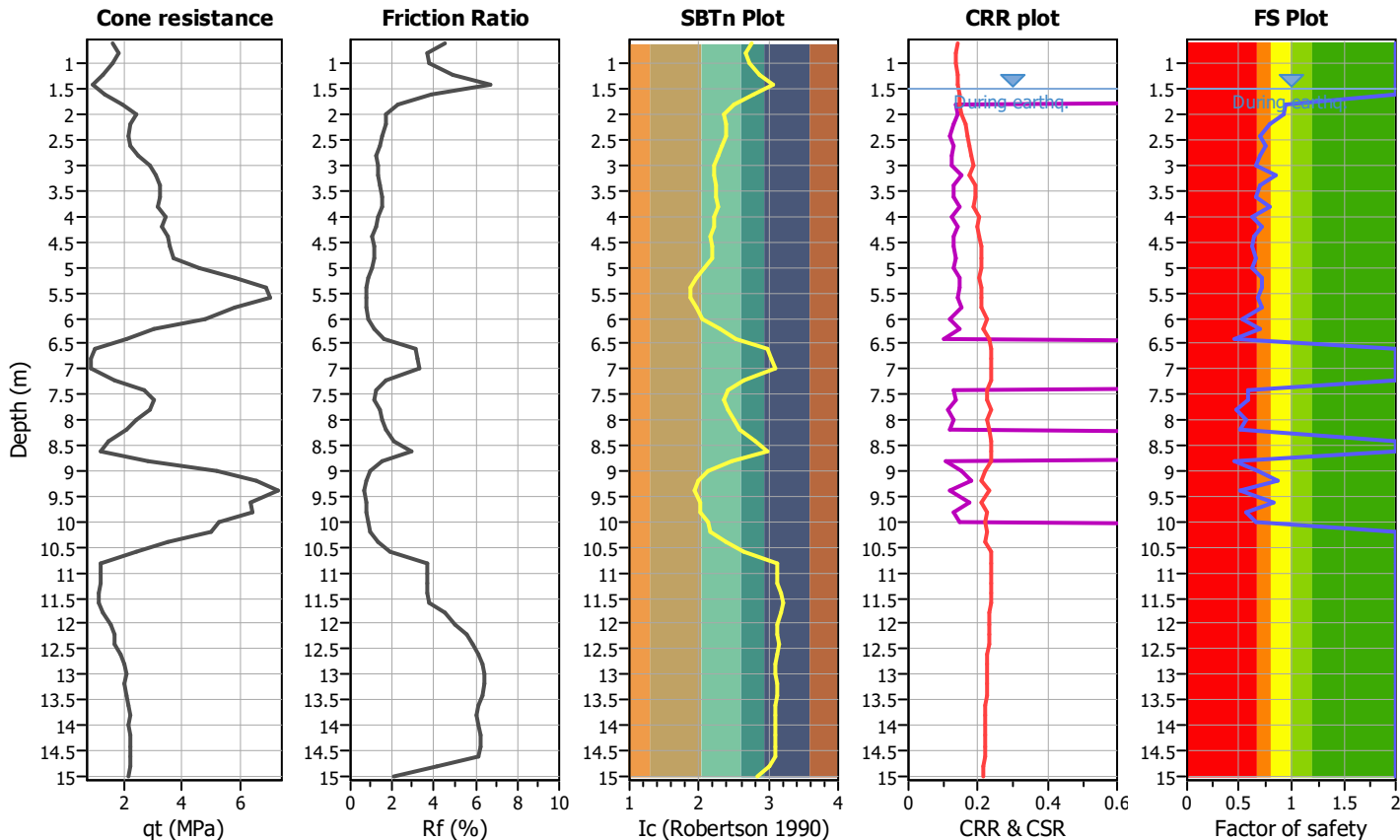
Project title :

Location :

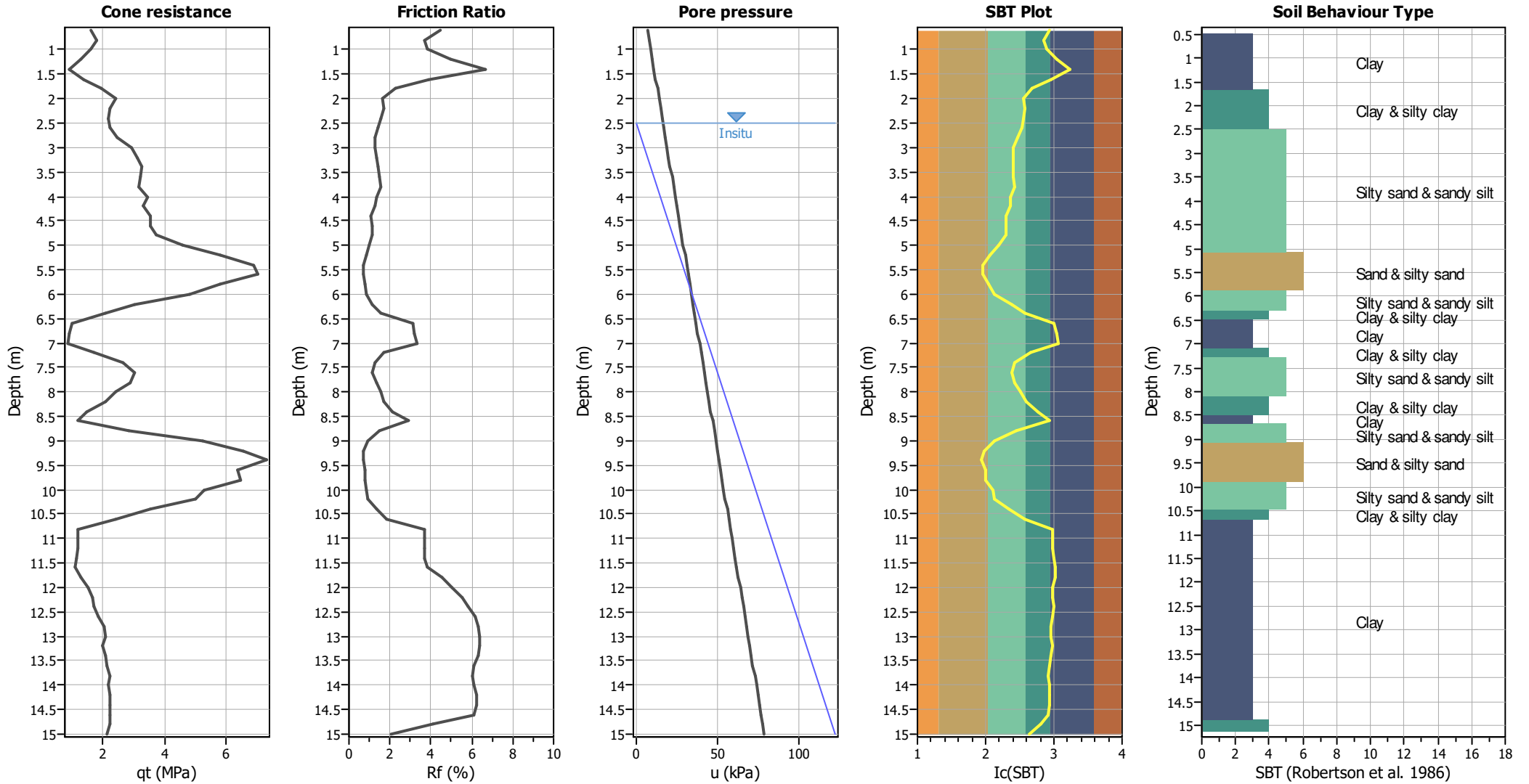
CPT file : P177_CPT169

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



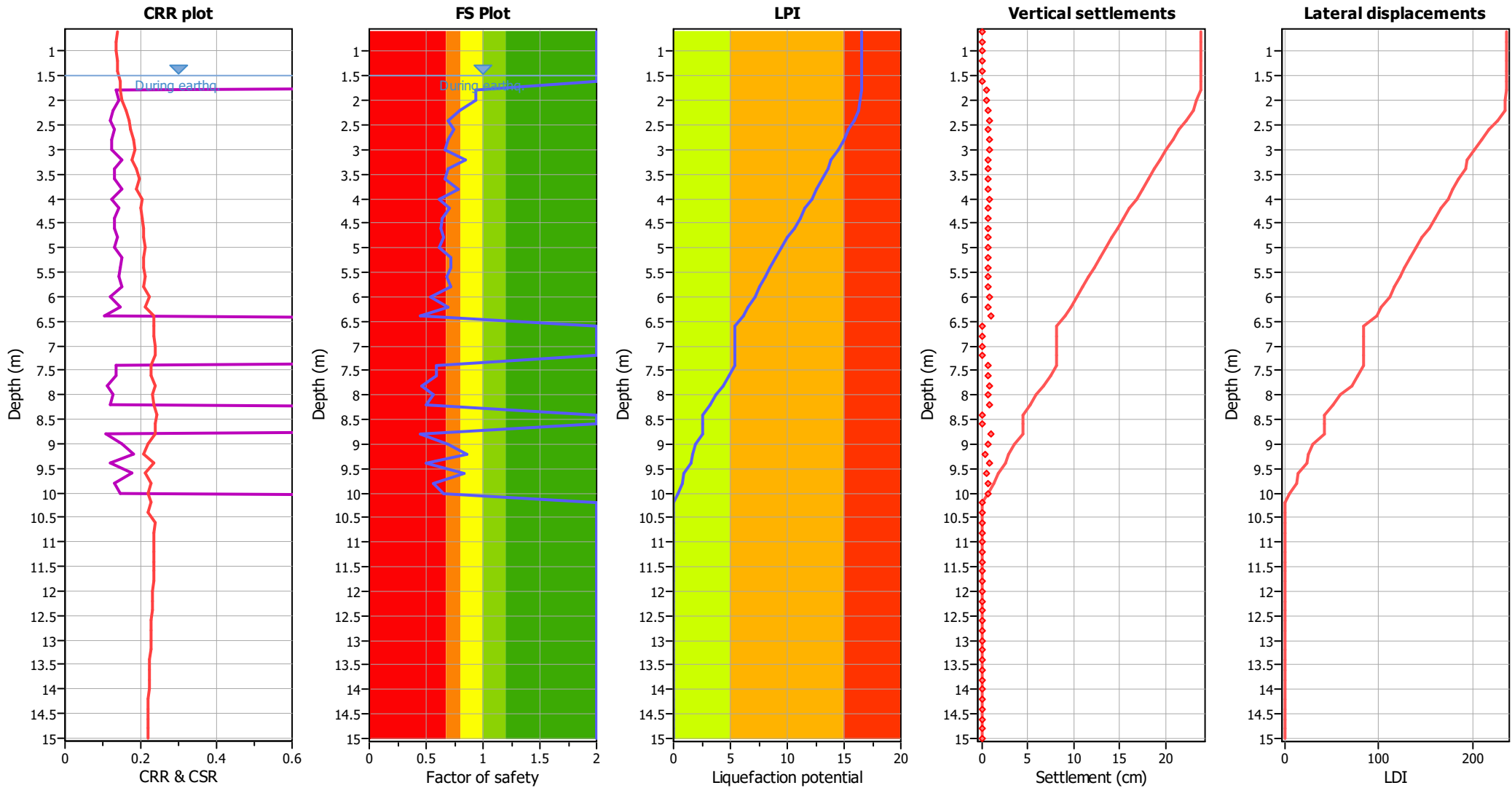
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	0.93	0.07	9.10	0.20	0.12	2.00	0.93	0.07	9.00	0.20	0.12
2.20	0.79	0.21	8.90	0.20	0.37	2.40	0.69	0.31	8.80	0.20	0.54
2.60	0.75	0.25	8.70	0.20	0.44	2.80	0.69	0.31	8.60	0.20	0.52
3.00	0.67	0.33	8.50	0.20	0.56	3.20	0.85	0.15	8.40	0.20	0.25
3.40	0.69	0.31	8.30	0.20	0.51	3.60	0.67	0.33	8.20	0.20	0.55
3.80	0.78	0.22	8.10	0.20	0.35	4.00	0.62	0.38	8.00	0.20	0.62
4.20	0.71	0.29	7.90	0.20	0.46	4.40	0.65	0.35	7.80	0.20	0.55
4.60	0.63	0.37	7.70	0.20	0.57	4.80	0.66	0.34	7.60	0.20	0.52
5.00	0.62	0.38	7.50	0.20	0.57	5.20	0.72	0.28	7.40	0.20	0.42
5.40	0.71	0.29	7.30	0.20	0.42	5.60	0.67	0.33	7.20	0.20	0.47
5.80	0.72	0.28	7.10	0.20	0.40	6.00	0.54	0.46	7.00	0.20	0.65
6.20	0.69	0.31	6.90	0.20	0.42	6.40	0.45	0.55	6.80	0.20	0.75
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	0.59	0.41	6.30	0.20	0.52	7.60	0.59	0.41	6.20	0.20	0.51
7.80	0.47	0.53	6.10	0.20	0.65	8.00	0.56	0.44	6.00	0.20	0.53
8.20	0.50	0.50	5.90	0.20	0.59	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	0.44	0.56	5.60	0.20	0.62
9.00	0.69	0.31	5.50	0.20	0.34	9.20	0.86	0.14	5.40	0.20	0.15
9.40	0.50	0.50	5.30	0.20	0.53	9.60	0.84	0.16	5.20	0.20	0.17
9.80	0.57	0.43	5.10	0.20	0.44	10.00	0.66	0.34	5.00	0.20	0.34
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 16.55

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

:: 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)
1.60	15.10	2.00	0.00	1.00	0.00	1.80	99.14	0.93	2.25	1.00	0.45
2.00	102.94	0.93	2.07	1.00	0.41	2.20	92.34	0.79	3.48	1.00	0.70
2.40	82.95	0.69	3.87	1.00	0.77	2.60	93.41	0.75	3.44	1.00	0.69
2.80	89.05	0.69	3.61	1.00	0.72	3.00	87.89	0.67	3.66	1.00	0.73
3.20	109.62	0.85	2.92	1.00	0.58	3.40	94.84	0.69	3.39	1.00	0.68
3.60	93.52	0.67	3.44	1.00	0.69	3.80	107.63	0.78	2.98	1.00	0.60
4.00	89.24	0.62	3.60	1.00	0.72	4.20	102.33	0.71	3.14	1.00	0.63
4.40	95.91	0.65	3.35	1.00	0.67	4.60	94.52	0.63	3.40	1.00	0.68
4.80	99.33	0.66	3.24	1.00	0.65	5.00	95.25	0.62	3.38	1.00	0.68
5.20	107.56	0.72	2.98	1.00	0.60	5.40	107.36	0.71	2.99	1.00	0.60
5.60	103.78	0.67	3.09	1.00	0.62	5.80	108.85	0.72	2.94	1.00	0.59
6.00	84.85	0.54	3.79	1.00	0.76	6.20	107.36	0.69	2.99	1.00	0.60
6.40	66.25	0.45	4.79	1.00	0.96	6.60	10.42	2.00	0.00	1.00	0.00
6.80	11.44	2.00	0.00	1.00	0.00	7.00	9.08	2.00	0.00	1.00	0.00
7.20	9.00	2.00	0.00	1.00	0.00	7.40	96.33	0.59	3.34	1.00	0.67
7.60	96.96	0.59	3.32	1.00	0.66	7.80	73.88	0.47	4.32	1.00	0.86
8.00	91.93	0.56	3.50	1.00	0.70	8.20	82.16	0.50	3.91	1.00	0.78
8.40	9.50	2.00	0.00	1.00	0.00	8.60	12.53	2.00	0.00	1.00	0.00
8.80	68.60	0.44	4.63	1.00	0.93	9.00	109.21	0.69	2.93	1.00	0.59
9.20	123.87	0.86	1.86	1.00	0.37	9.40	81.67	0.50	3.93	1.00	0.79
9.60	122.04	0.84	2.18	1.00	0.44	9.80	93.44	0.57	3.44	1.00	0.69
10.00	105.82	0.66	3.03	1.00	0.61	10.20	93.52	2.00	0.00	1.00	0.00
10.40	106.10	2.00	0.00	1.00	0.00	10.60	12.34	2.00	0.00	1.00	0.00
10.80	10.36	2.00	0.00	1.00	0.00	11.00	11.21	2.00	0.00	1.00	0.00
11.20	12.06	2.00	0.00	1.00	0.00	11.40	10.12	2.00	0.00	1.00	0.00
11.60	9.12	2.00	0.00	1.00	0.00	11.80	10.87	2.00	0.00	1.00	0.00
12.00	15.32	2.00	0.00	1.00	0.00	12.20	15.19	2.00	0.00	1.00	0.00
12.40	14.17	2.00	0.00	1.00	0.00	12.60	15.84	2.00	0.00	1.00	0.00
12.80	19.25	2.00	0.00	1.00	0.00	13.00	18.22	2.00	0.00	1.00	0.00
13.20	16.33	2.00	0.00	1.00	0.00	13.40	17.07	2.00	0.00	1.00	0.00
13.60	19.52	2.00	0.00	1.00	0.00	13.80	17.66	2.00	0.00	1.00	0.00
14.00	18.38	2.00	0.00	1.00	0.00	14.20	18.24	2.00	0.00	1.00	0.00
14.40	18.11	2.00	0.00	1.00	0.00	14.60	18.81	2.00	0.00	1.00	0.00
14.80	17.85	2.00	0.00	1.00	0.00	15.00	16.91	2.00	0.00	1.00	0.00
Total estimated settlement: 23.83											

Abbreviations

- Q_{m,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

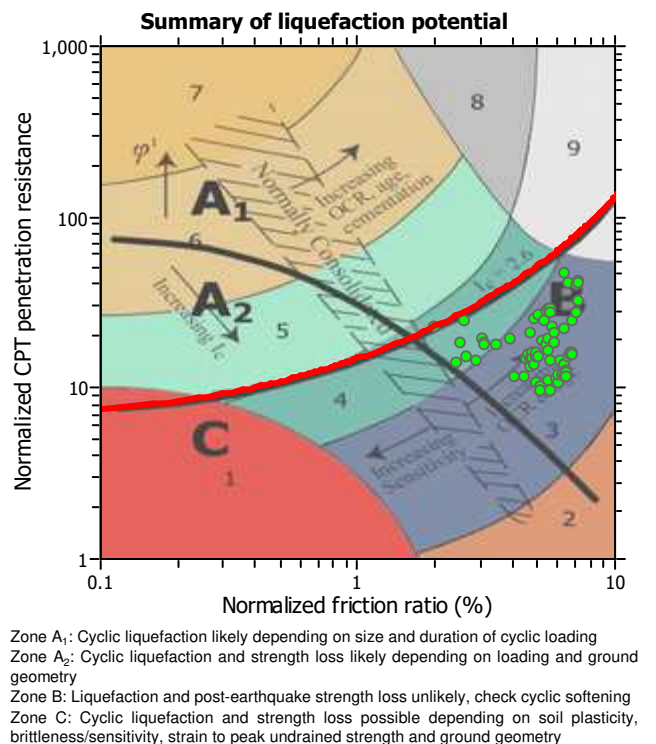
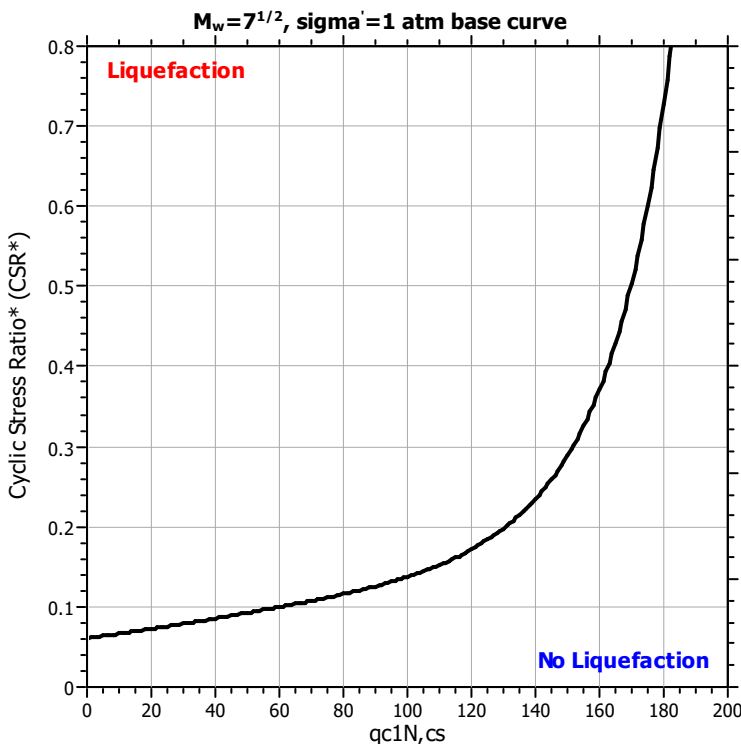
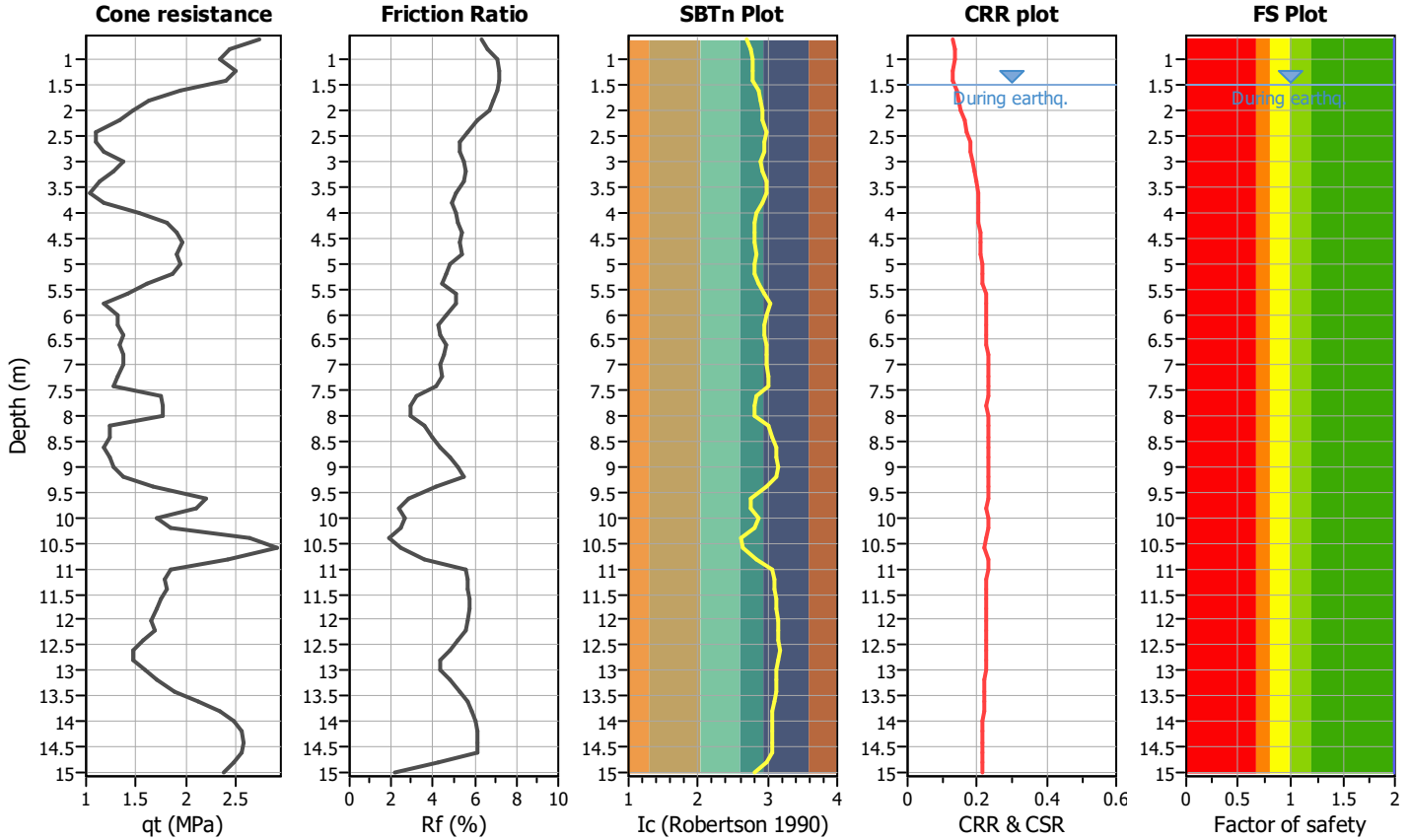
Project title :

Location :

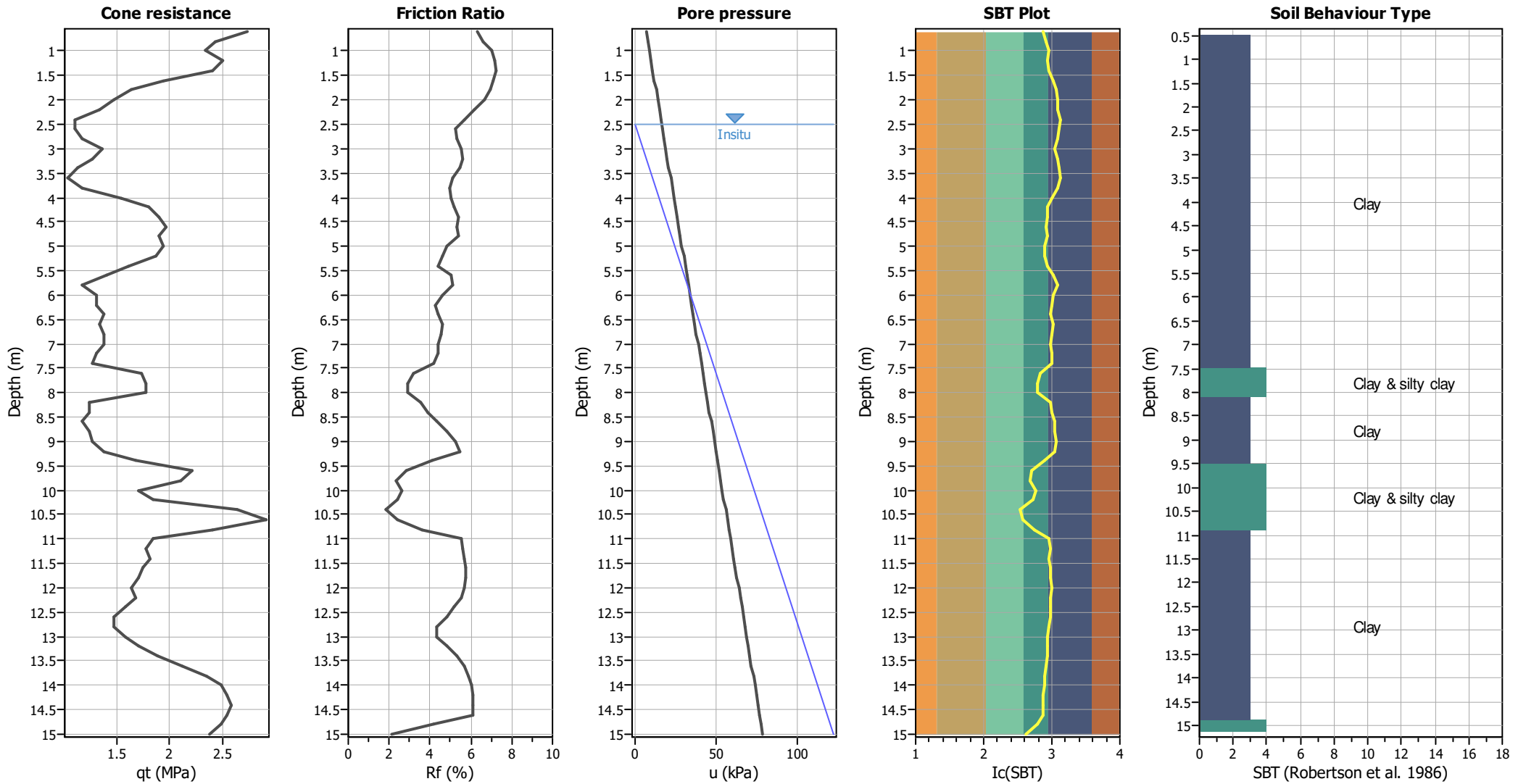
CPT file : P179_CPT170

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



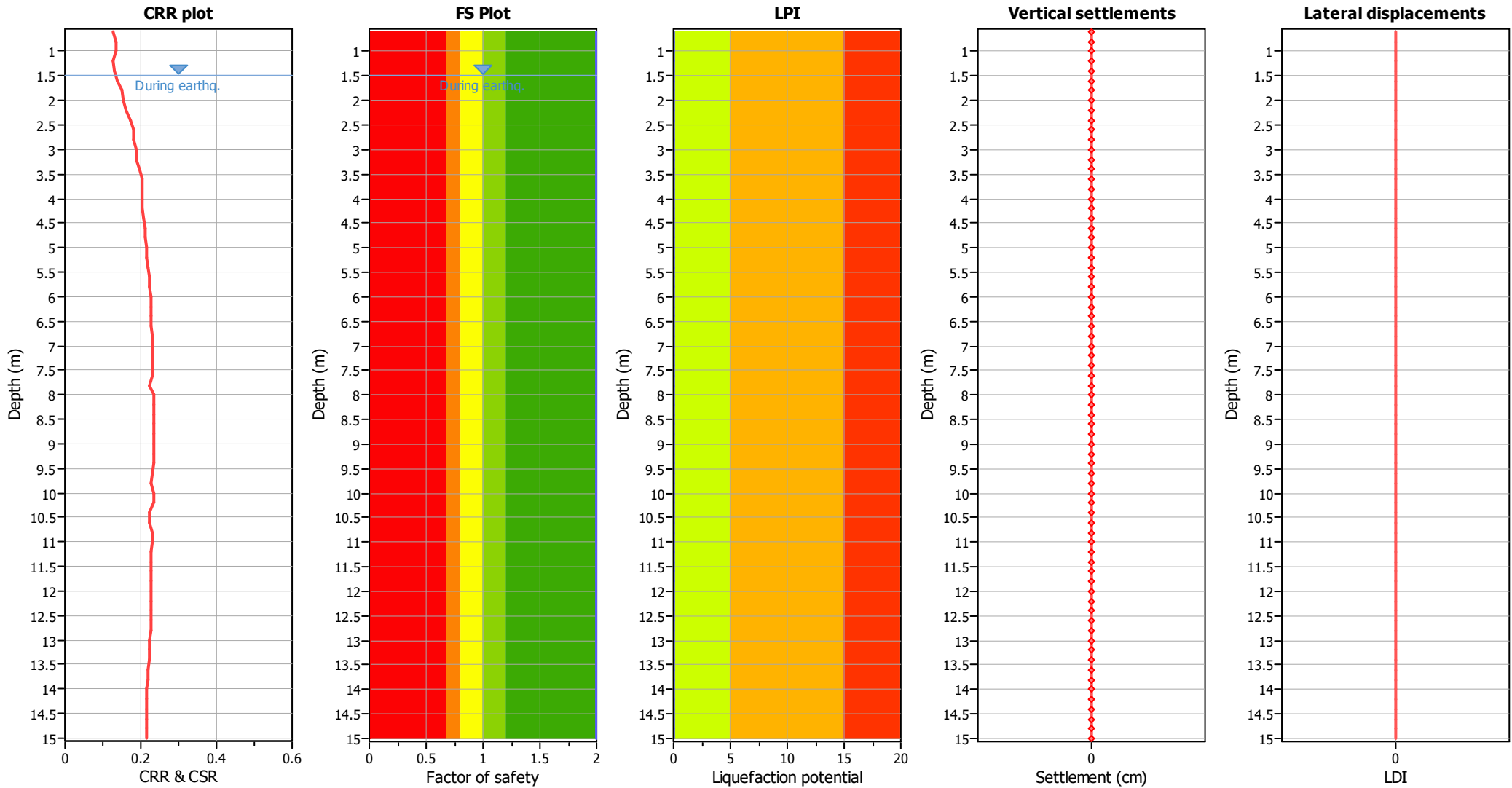
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	31.88	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	26.38	2.00	0.00	1.00	0.00	2.20	22.26	2.00	0.00	1.00	0.00
2.40	15.50	2.00	0.00	1.00	0.00	2.60	13.60	2.00	0.00	1.00	0.00
2.80	20.41	2.00	0.00	1.00	0.00	3.00	17.32	2.00	0.00	1.00	0.00
3.20	21.09	2.00	0.00	1.00	0.00	3.40	15.40	2.00	0.00	1.00	0.00
3.60	11.13	2.00	0.00	1.00	0.00	3.80	16.26	2.00	0.00	1.00	0.00
4.00	19.88	2.00	0.00	1.00	0.00	4.20	24.60	2.00	0.00	1.00	0.00
4.40	25.47	2.00	0.00	1.00	0.00	4.60	22.68	2.00	0.00	1.00	0.00
4.80	25.96	2.00	0.00	1.00	0.00	5.00	22.07	2.00	0.00	1.00	0.00
5.20	22.96	2.00	0.00	1.00	0.00	5.40	22.67	2.00	0.00	1.00	0.00
5.60	11.93	2.00	0.00	1.00	0.00	5.80	15.25	2.00	0.00	1.00	0.00
6.00	13.93	2.00	0.00	1.00	0.00	6.20	16.03	2.00	0.00	1.00	0.00
6.40	14.74	2.00	0.00	1.00	0.00	6.60	15.68	2.00	0.00	1.00	0.00
6.80	14.41	2.00	0.00	1.00	0.00	7.00	15.34	2.00	0.00	1.00	0.00
7.20	15.18	2.00	0.00	1.00	0.00	7.40	11.83	2.00	0.00	1.00	0.00
7.60	13.83	2.00	0.00	1.00	0.00	7.80	29.31	2.00	0.00	1.00	0.00
8.00	12.52	2.00	0.00	1.00	0.00	8.20	13.43	2.00	0.00	1.00	0.00
8.40	12.28	2.00	0.00	1.00	0.00	8.60	12.17	2.00	0.00	1.00	0.00
8.80	11.05	2.00	0.00	1.00	0.00	9.00	13.93	2.00	0.00	1.00	0.00
9.20	12.82	2.00	0.00	1.00	0.00	9.40	13.68	2.00	0.00	1.00	0.00
9.60	22.29	2.00	0.00	1.00	0.00	9.80	27.90	2.00	0.00	1.00	0.00
10.00	10.46	2.00	0.00	1.00	0.00	10.20	10.37	2.00	0.00	1.00	0.00
10.40	31.05	2.00	0.00	1.00	0.00	10.60	32.69	2.00	0.00	1.00	0.00
10.80	17.51	2.00	0.00	1.00	0.00	11.00	16.45	2.00	0.00	1.00	0.00
11.20	16.31	2.00	0.00	1.00	0.00	11.40	15.27	2.00	0.00	1.00	0.00
11.60	16.95	2.00	0.00	1.00	0.00	11.80	14.13	2.00	0.00	1.00	0.00
12.00	14.02	2.00	0.00	1.00	0.00	12.20	14.79	2.00	0.00	1.00	0.00
12.40	14.68	2.00	0.00	1.00	0.00	12.60	11.11	2.00	0.00	1.00	0.00
12.80	11.89	2.00	0.00	1.00	0.00	13.00	14.37	2.00	0.00	1.00	0.00
13.20	13.41	2.00	0.00	1.00	0.00	13.40	15.01	2.00	0.00	1.00	0.00
13.60	18.27	2.00	0.00	1.00	0.00	13.80	18.98	2.00	0.00	1.00	0.00
14.00	20.52	2.00	0.00	1.00	0.00	14.20	21.21	2.00	0.00	1.00	0.00
14.40	20.22	2.00	0.00	1.00	0.00	14.60	20.91	2.00	0.00	1.00	0.00
14.80	19.95	2.00	0.00	1.00	0.00	15.00	18.18	2.00	0.00	1.00	0.00

Total estimated settlement: 0.00

Abbreviations

$Q_{m,cs}$: 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

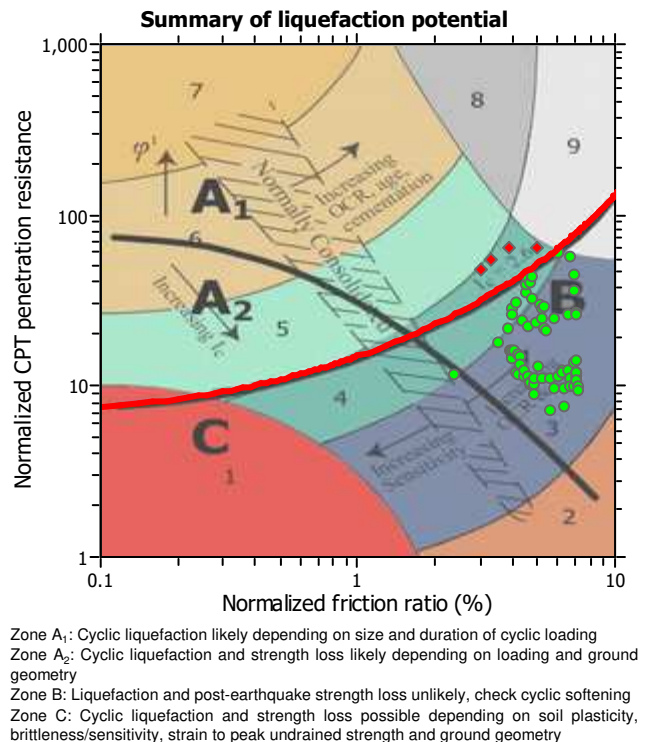
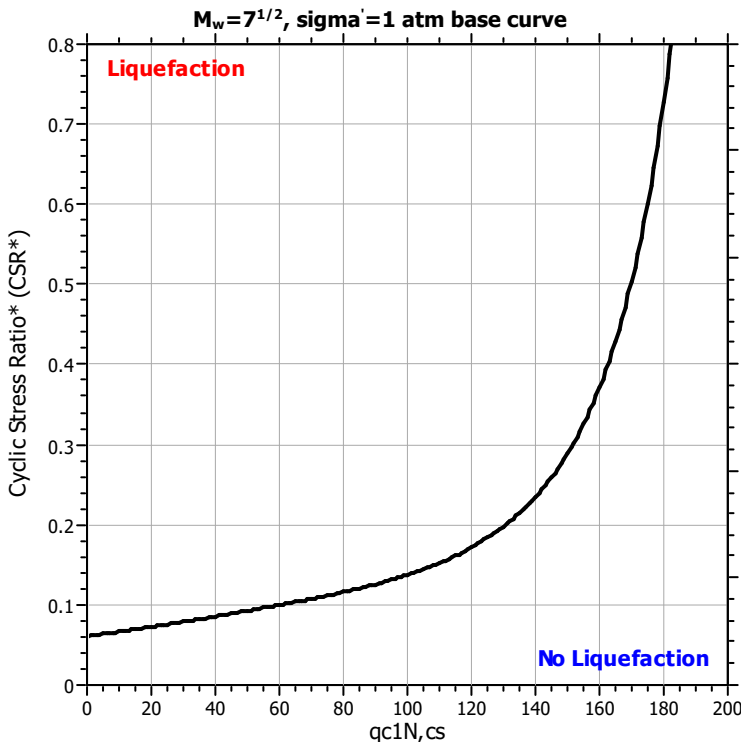
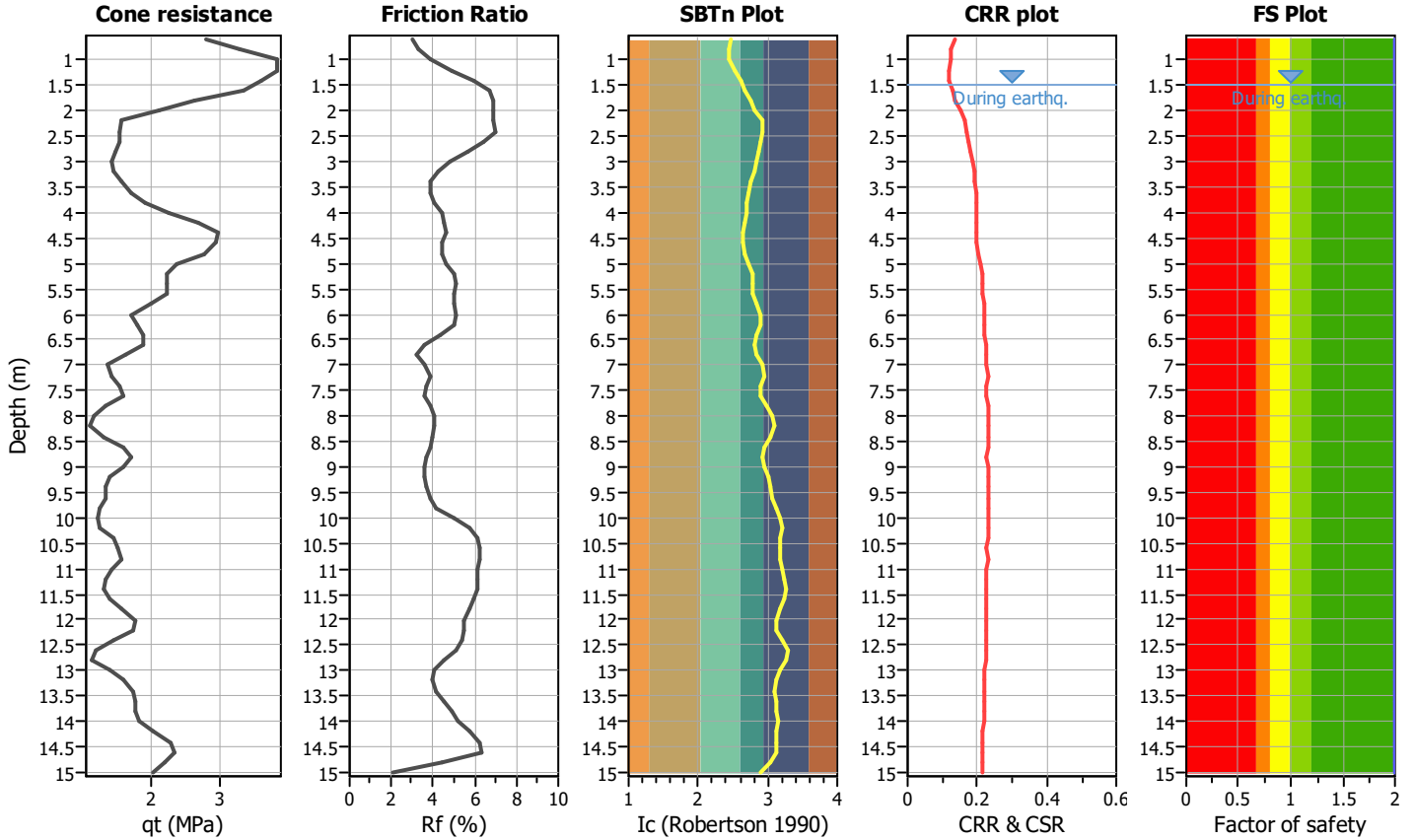
Project title :

Location :

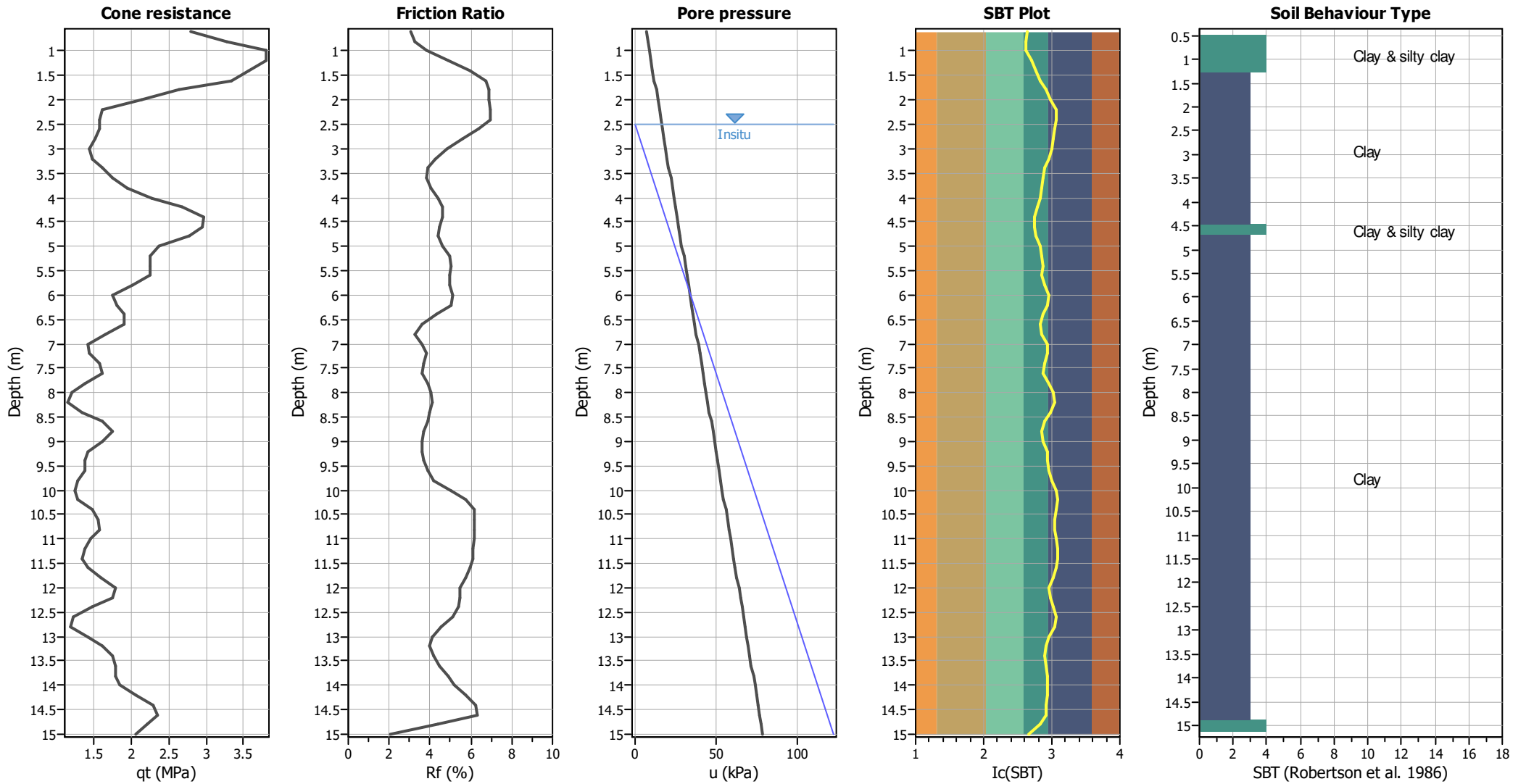
CPT file : P182_CPT173

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



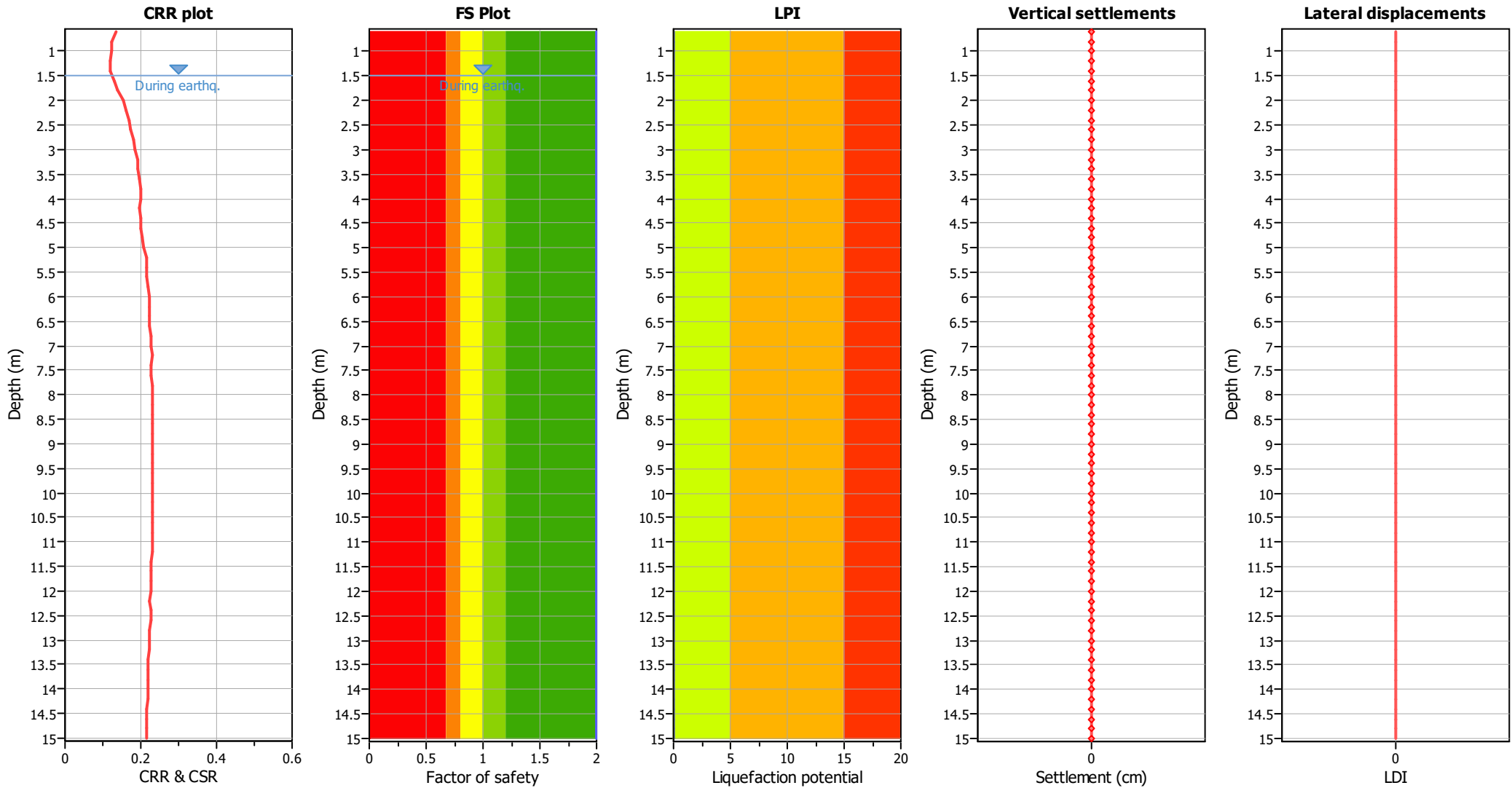
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	50.33	2.00	0.00	1.00	0.00	1.80	51.83	2.00	0.00	1.00	0.00
2.00	27.95	2.00	0.00	1.00	0.00	2.20	23.74	2.00	0.00	1.00	0.00
2.40	24.17	2.00	0.00	1.00	0.00	2.60	23.48	2.00	0.00	1.00	0.00
2.80	21.71	2.00	0.00	1.00	0.00	3.00	20.00	2.00	0.00	1.00	0.00
3.20	19.69	2.00	0.00	1.00	0.00	3.40	22.04	2.00	0.00	1.00	0.00
3.60	24.31	2.00	0.00	1.00	0.00	3.80	23.95	2.00	0.00	1.00	0.00
4.00	28.59	2.00	0.00	1.00	0.00	4.20	35.47	2.00	0.00	1.00	0.00
4.40	37.35	2.00	0.00	1.00	0.00	4.60	38.02	2.00	0.00	1.00	0.00
4.80	32.86	2.00	0.00	1.00	0.00	5.00	30.10	2.00	0.00	1.00	0.00
5.20	22.75	2.00	0.00	1.00	0.00	5.40	27.05	2.00	0.00	1.00	0.00
5.60	28.97	2.00	0.00	1.00	0.00	5.80	21.89	2.00	0.00	1.00	0.00
6.00	18.27	2.00	0.00	1.00	0.00	6.20	19.16	2.00	0.00	1.00	0.00
6.40	23.33	2.00	0.00	1.00	0.00	6.60	20.92	2.00	0.00	1.00	0.00
6.80	18.55	2.00	0.00	1.00	0.00	7.00	14.07	2.00	0.00	1.00	0.00
7.20	12.86	2.00	0.00	1.00	0.00	7.40	19.05	2.00	0.00	1.00	0.00
7.60	17.82	2.00	0.00	1.00	0.00	7.80	13.52	2.00	0.00	1.00	0.00
8.00	11.34	2.00	0.00	1.00	0.00	8.20	12.25	2.00	0.00	1.00	0.00
8.40	11.13	2.00	0.00	1.00	0.00	8.60	17.02	2.00	0.00	1.00	0.00
8.80	19.84	2.00	0.00	1.00	0.00	9.00	14.75	2.00	0.00	1.00	0.00
9.20	12.67	2.00	0.00	1.00	0.00	9.40	13.53	2.00	0.00	1.00	0.00
9.60	13.42	2.00	0.00	1.00	0.00	9.80	12.35	2.00	0.00	1.00	0.00
10.00	10.36	2.00	0.00	1.00	0.00	10.20	12.14	2.00	0.00	1.00	0.00
10.40	12.97	2.00	0.00	1.00	0.00	10.60	15.63	2.00	0.00	1.00	0.00
10.80	13.67	2.00	0.00	1.00	0.00	11.00	13.55	2.00	0.00	1.00	0.00
11.20	11.64	2.00	0.00	1.00	0.00	11.40	11.55	2.00	0.00	1.00	0.00
11.60	12.34	2.00	0.00	1.00	0.00	11.80	13.13	2.00	0.00	1.00	0.00
12.00	15.66	2.00	0.00	1.00	0.00	12.20	17.30	2.00	0.00	1.00	0.00
12.40	11.96	2.00	0.00	1.00	0.00	12.60	8.45	2.00	0.00	1.00	0.00
12.80	10.09	2.00	0.00	1.00	0.00	13.00	10.87	2.00	0.00	1.00	0.00
13.20	14.17	2.00	0.00	1.00	0.00	13.40	14.91	2.00	0.00	1.00	0.00
13.60	13.97	2.00	0.00	1.00	0.00	13.80	14.70	2.00	0.00	1.00	0.00
14.00	14.60	2.00	0.00	1.00	0.00	14.20	15.32	2.00	0.00	1.00	0.00
14.40	19.31	2.00	0.00	1.00	0.00	14.60	20.00	2.00	0.00	1.00	0.00
14.80	16.61	2.00	0.00	1.00	0.00	15.00	15.70	2.00	0.00	1.00	0.00
Total estimated settlement: 0.00											

Abbreviations

- Q_{m,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

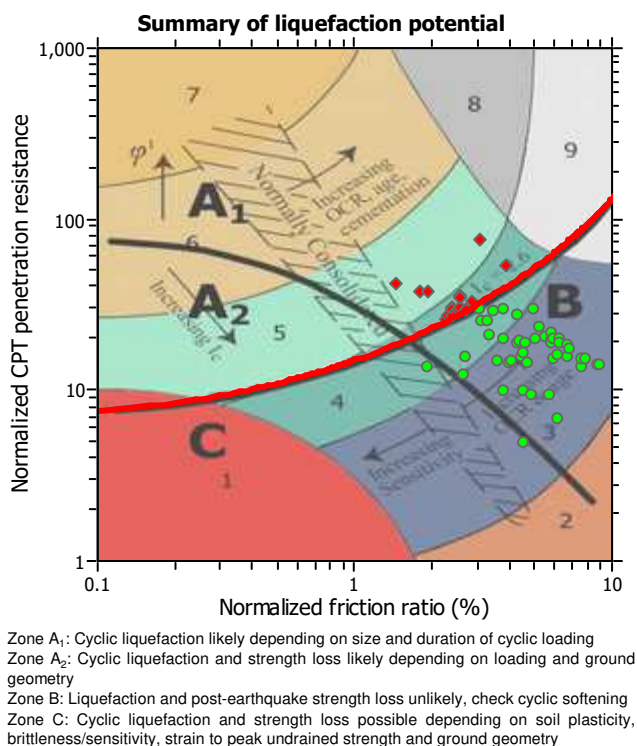
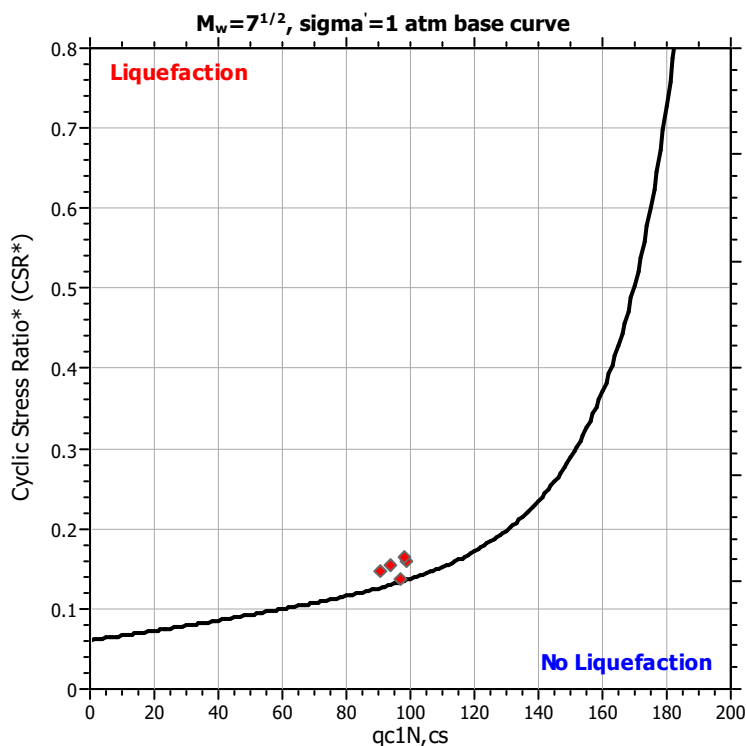
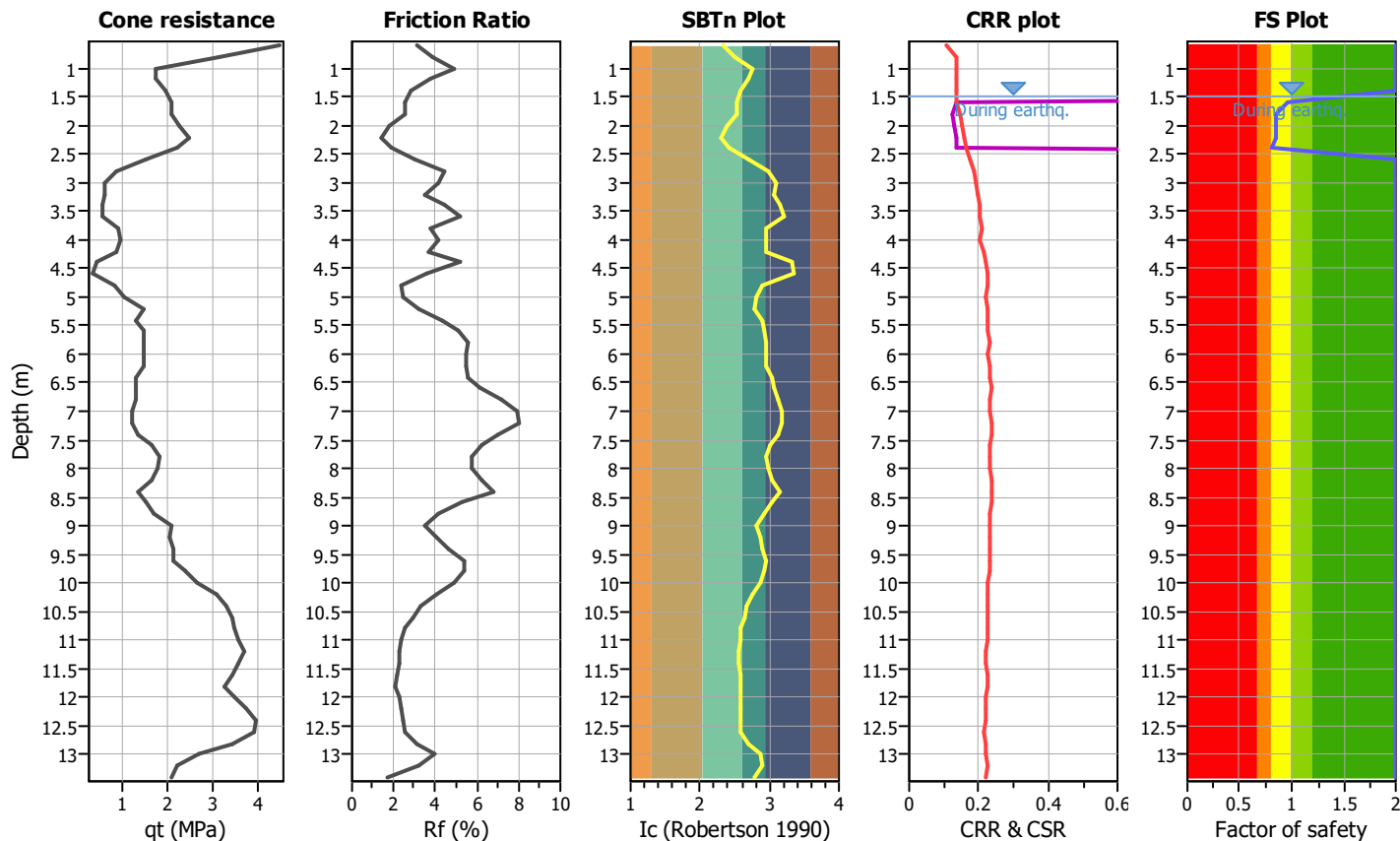
Project title :

Location :

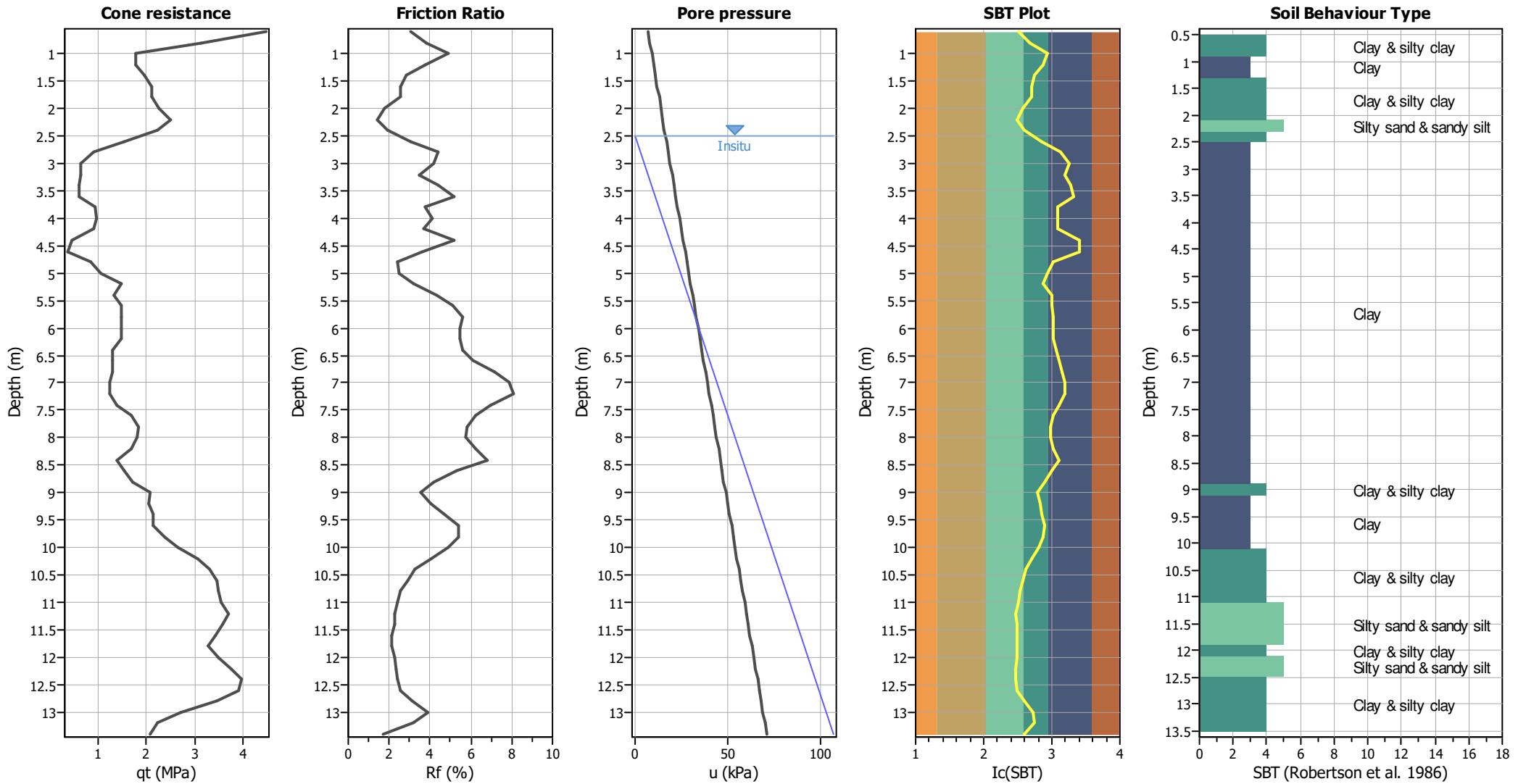
CPT file : P183_CPT174

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



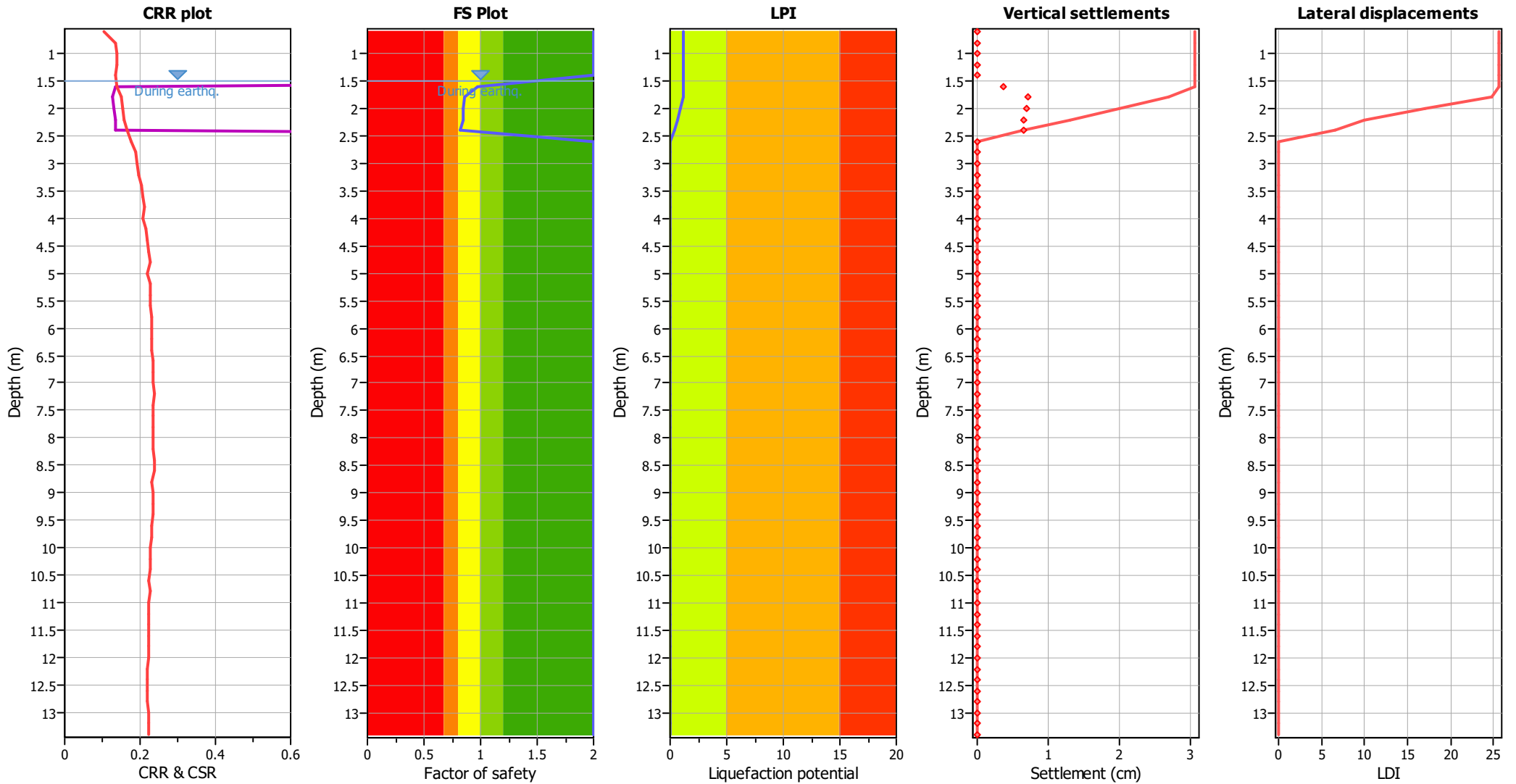
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	0.97	0.03	9.20	0.20	0.06
1.80	0.85	0.15	9.10	0.20	0.27	2.00	0.84	0.16	9.00	0.20	0.28
2.20	0.85	0.15	8.90	0.20	0.26	2.40	0.82	0.18	8.80	0.20	0.32
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00						

Overall liquefaction potential: 1.19

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

:: 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)
1.60	97.15	0.97	1.80	1.00	0.36	1.80	90.70	0.85	3.55	1.00	0.71
2.00	93.83	0.84	3.43	1.00	0.69	2.20	98.46	0.85	3.26	1.00	0.65
2.40	97.87	0.82	3.28	1.00	0.66	2.60	21.21	2.00	0.00	1.00	0.00
2.80	9.19	2.00	0.00	1.00	0.00	3.00	10.51	2.00	0.00	1.00	0.00
3.20	8.91	2.00	0.00	1.00	0.00	3.40	8.77	2.00	0.00	1.00	0.00
3.60	8.64	2.00	0.00	1.00	0.00	3.80	8.51	2.00	0.00	1.00	0.00
4.00	21.71	2.00	0.00	1.00	0.00	4.20	9.61	2.00	0.00	1.00	0.00
4.40	5.47	2.00	0.00	1.00	0.00	4.60	4.06	2.00	0.00	1.00	0.00
4.80	5.34	2.00	0.00	1.00	0.00	5.00	22.99	2.00	0.00	1.00	0.00
5.20	12.82	2.00	0.00	1.00	0.00	5.40	19.98	2.00	0.00	1.00	0.00
5.60	17.30	2.00	0.00	1.00	0.00	5.80	17.07	2.00	0.00	1.00	0.00
6.00	19.20	2.00	0.00	1.00	0.00	6.20	16.64	2.00	0.00	1.00	0.00
6.40	16.43	2.00	0.00	1.00	0.00	6.60	12.80	2.00	0.00	1.00	0.00
6.80	16.04	2.00	0.00	1.00	0.00	7.00	15.85	2.00	0.00	1.00	0.00
7.20	10.11	2.00	0.00	1.00	0.00	7.40	15.48	2.00	0.00	1.00	0.00
7.60	19.62	2.00	0.00	1.00	0.00	7.80	19.40	2.00	0.00	1.00	0.00
8.00	20.25	2.00	0.00	1.00	0.00	8.20	17.94	2.00	0.00	1.00	0.00
8.40	14.64	2.00	0.00	1.00	0.00	8.60	10.36	2.00	0.00	1.00	0.00
8.80	22.50	2.00	0.00	1.00	0.00	9.00	19.26	2.00	0.00	1.00	0.00
9.20	21.08	2.00	0.00	1.00	0.00	9.40	20.88	2.00	0.00	1.00	0.00
9.60	21.67	2.00	0.00	1.00	0.00	9.80	20.48	2.00	0.00	1.00	0.00
10.00	27.07	2.00	0.00	1.00	0.00	10.20	28.75	2.00	0.00	1.00	0.00
10.40	32.32	2.00	0.00	1.00	0.00	10.60	33.00	2.00	0.00	1.00	0.00
10.80	91.75	2.00	0.00	1.00	0.00	11.00	92.30	2.00	0.00	1.00	0.00
11.20	93.93	2.00	0.00	1.00	0.00	11.40	95.06	2.00	0.00	1.00	0.00
11.60	87.81	2.00	0.00	1.00	0.00	11.80	87.76	2.00	0.00	1.00	0.00
12.00	89.80	2.00	0.00	1.00	0.00	12.20	93.95	2.00	0.00	1.00	0.00
12.40	95.92	2.00	0.00	1.00	0.00	12.60	95.97	2.00	0.00	1.00	0.00
12.80	32.12	2.00	0.00	1.00	0.00	13.00	22.25	2.00	0.00	1.00	0.00
13.20	15.20	2.00	0.00	1.00	0.00	13.40	18.51	2.00	0.00	1.00	0.00

Total estimated settlement: 3.06

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

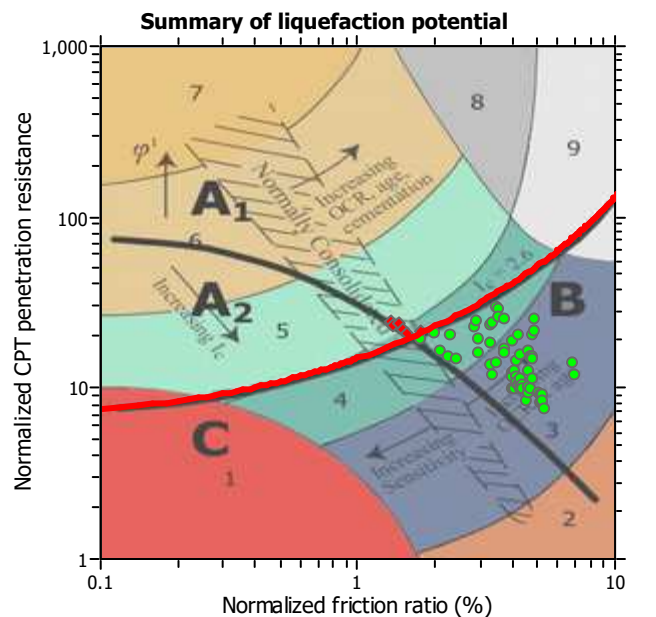
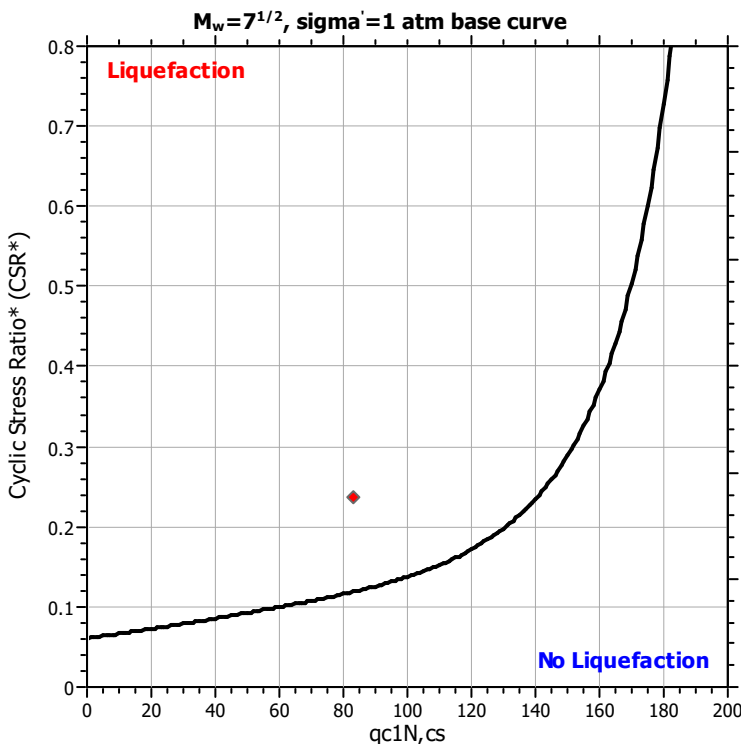
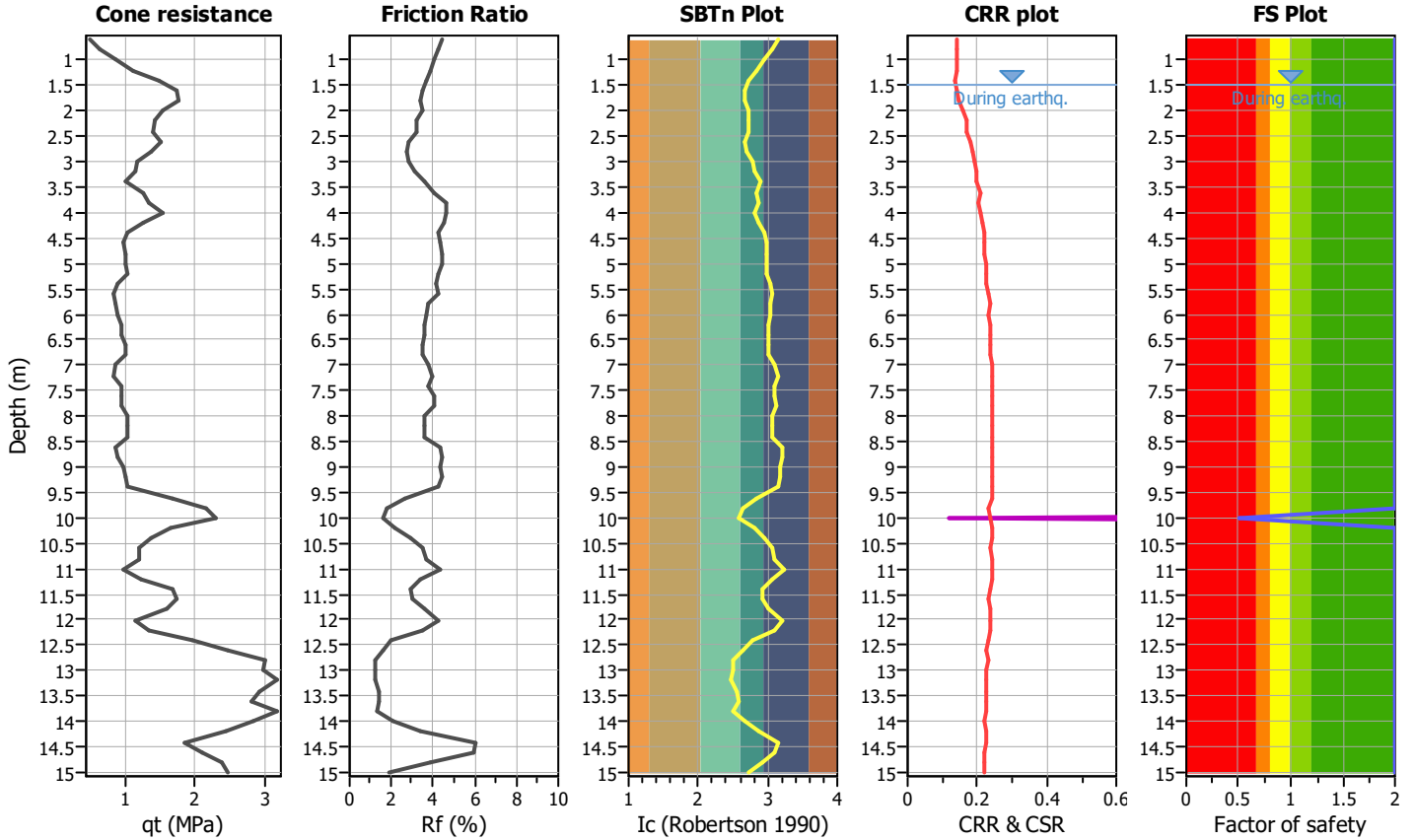
Project title :

Location :

CPT file : P184_CPT175

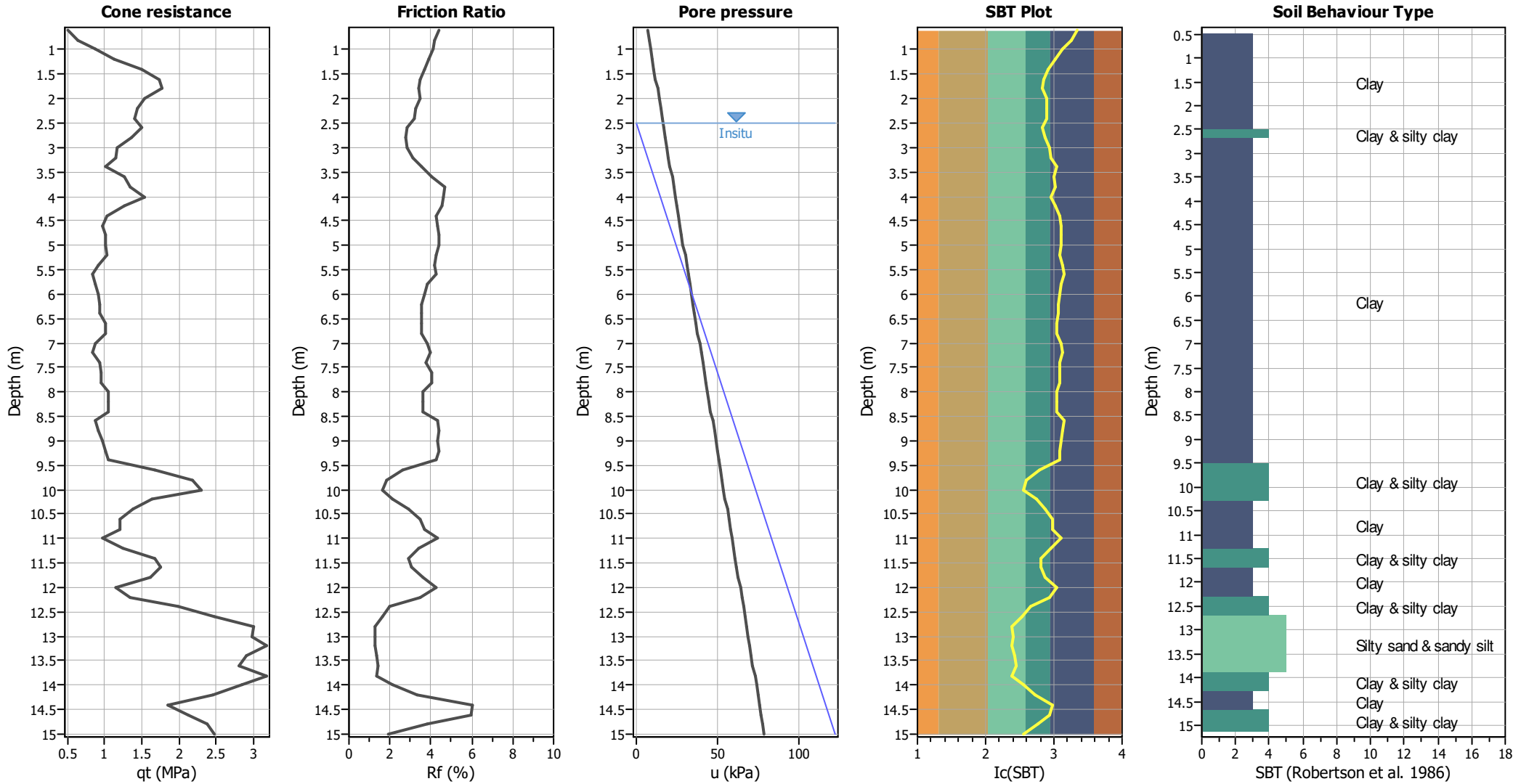
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



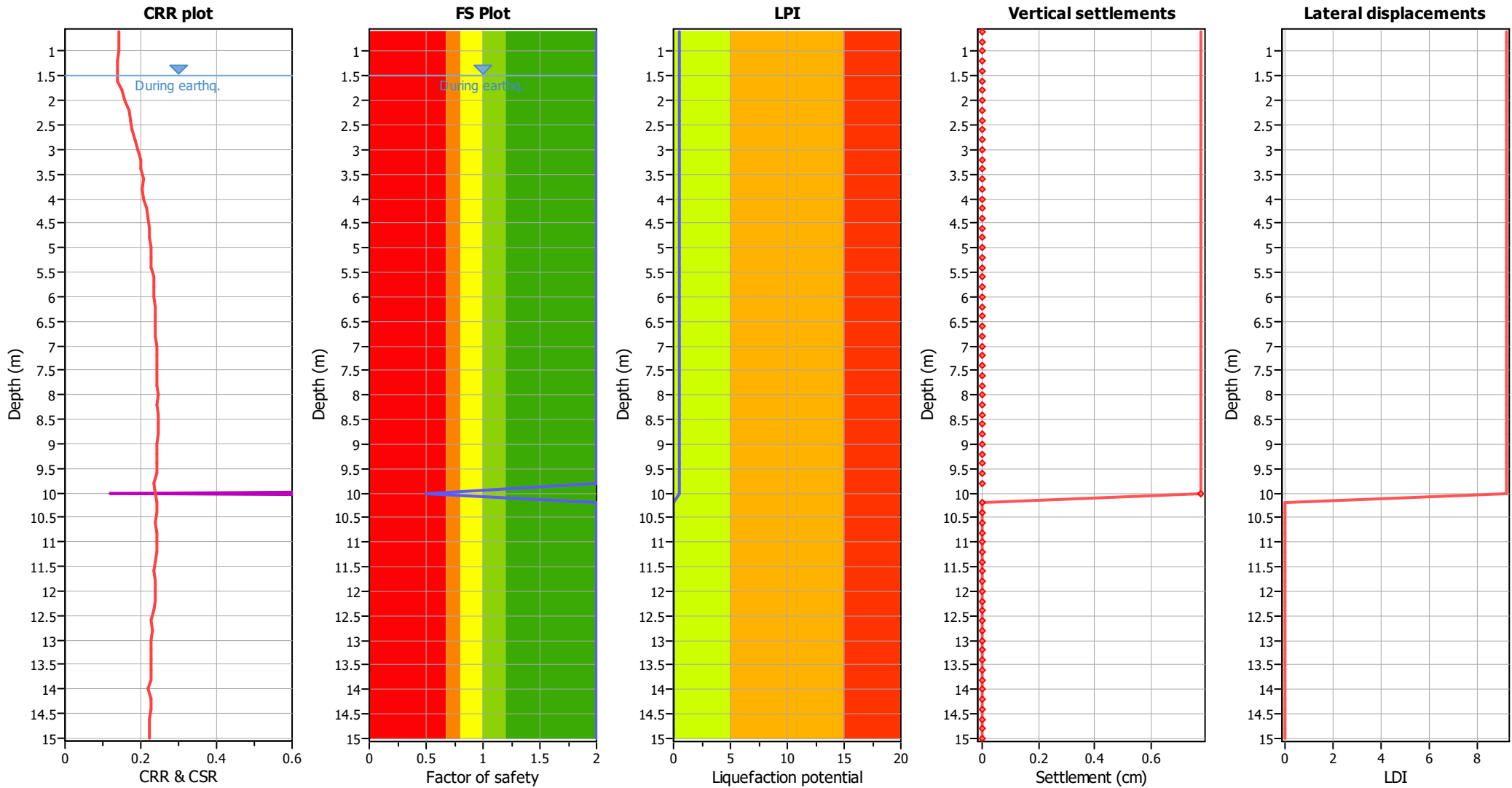
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.50	0.50	5.00	0.20	0.50
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.50

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

:: 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)
1.60	31.88	2.00	0.00	1.00	0.00	1.80	30.20	2.00	0.00	1.00	0.00
2.00	26.84	2.00	0.00	1.00	0.00	2.20	20.13	2.00	0.00	1.00	0.00
2.40	23.99	2.00	0.00	1.00	0.00	2.60	23.32	2.00	0.00	1.00	0.00
2.80	22.91	2.00	0.00	1.00	0.00	3.00	16.76	2.00	0.00	1.00	0.00
3.20	13.59	2.00	0.00	1.00	0.00	3.40	20.40	2.00	0.00	1.00	0.00
3.60	10.29	2.00	0.00	1.00	0.00	3.80	23.78	2.00	0.00	1.00	0.00
4.00	22.10	2.00	0.00	1.00	0.00	4.20	17.82	2.00	0.00	1.00	0.00
4.40	12.29	2.00	0.00	1.00	0.00	4.60	12.11	2.00	0.00	1.00	0.00
4.80	14.52	2.00	0.00	1.00	0.00	5.00	13.05	2.00	0.00	1.00	0.00
5.20	11.62	2.00	0.00	1.00	0.00	5.40	15.20	2.00	0.00	1.00	0.00
5.60	7.60	2.00	0.00	1.00	0.00	5.80	8.74	2.00	0.00	1.00	0.00
6.00	15.87	2.00	0.00	1.00	0.00	6.20	8.53	2.00	0.00	1.00	0.00
6.40	9.62	2.00	0.00	1.00	0.00	6.60	15.35	2.00	0.00	1.00	0.00
6.80	10.56	2.00	0.00	1.00	0.00	7.00	9.30	2.00	0.00	1.00	0.00
7.20	10.34	2.00	0.00	1.00	0.00	7.40	9.10	2.00	0.00	1.00	0.00
7.60	12.35	2.00	0.00	1.00	0.00	7.80	10.02	2.00	0.00	1.00	0.00
8.00	8.82	2.00	0.00	1.00	0.00	8.20	15.22	2.00	0.00	1.00	0.00
8.40	9.72	2.00	0.00	1.00	0.00	8.60	8.56	2.00	0.00	1.00	0.00
8.80	9.53	2.00	0.00	1.00	0.00	9.00	10.49	2.00	0.00	1.00	0.00
9.20	10.39	2.00	0.00	1.00	0.00	9.40	10.29	2.00	0.00	1.00	0.00
9.60	11.21	2.00	0.00	1.00	0.00	9.80	29.23	2.00	0.00	1.00	0.00
10.00	82.95	0.50	3.87	1.00	0.77	10.20	14.88	2.00	0.00	1.00	0.00
10.40	8.85	2.00	0.00	1.00	0.00	10.60	16.59	2.00	0.00	1.00	0.00
10.80	9.67	2.00	0.00	1.00	0.00	11.00	8.63	2.00	0.00	1.00	0.00
11.20	9.51	2.00	0.00	1.00	0.00	11.40	17.01	2.00	0.00	1.00	0.00
11.60	20.65	2.00	0.00	1.00	0.00	11.80	11.14	2.00	0.00	1.00	0.00
12.00	12.90	2.00	0.00	1.00	0.00	12.20	7.29	2.00	0.00	1.00	0.00
12.40	16.36	2.00	0.00	1.00	0.00	12.60	29.97	2.00	0.00	1.00	0.00
12.80	75.67	2.00	0.00	1.00	0.00	13.00	88.52	2.00	0.00	1.00	0.00
13.20	85.44	2.00	0.00	1.00	0.00	13.40	82.91	2.00	0.00	1.00	0.00
13.60	79.71	2.00	0.00	1.00	0.00	13.80	81.83	2.00	0.00	1.00	0.00
14.00	34.82	2.00	0.00	1.00	0.00	14.20	13.60	2.00	0.00	1.00	0.00
14.40	14.36	2.00	0.00	1.00	0.00	14.60	18.52	2.00	0.00	1.00	0.00
14.80	20.09	2.00	0.00	1.00	0.00	15.00	20.78	2.00	0.00	1.00	0.00

Total estimated settlement: 0.77

Abbreviations

$Q_{m,cs}$:	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

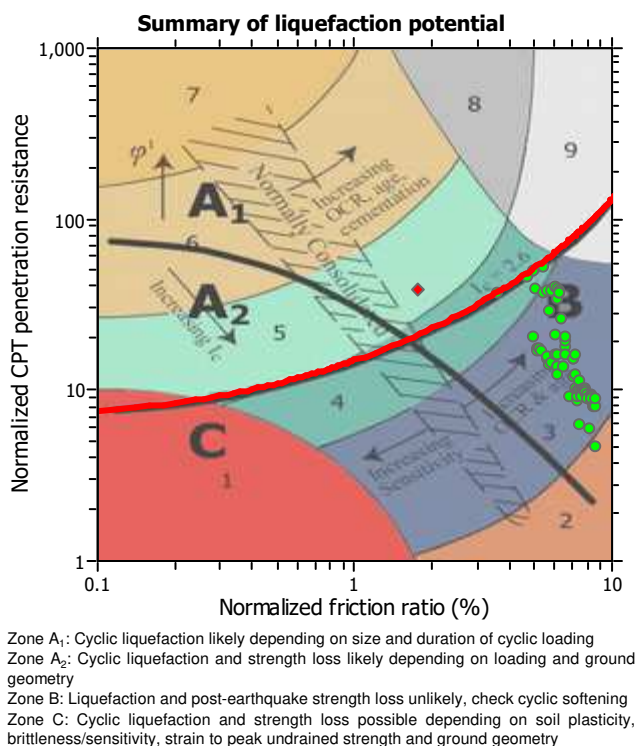
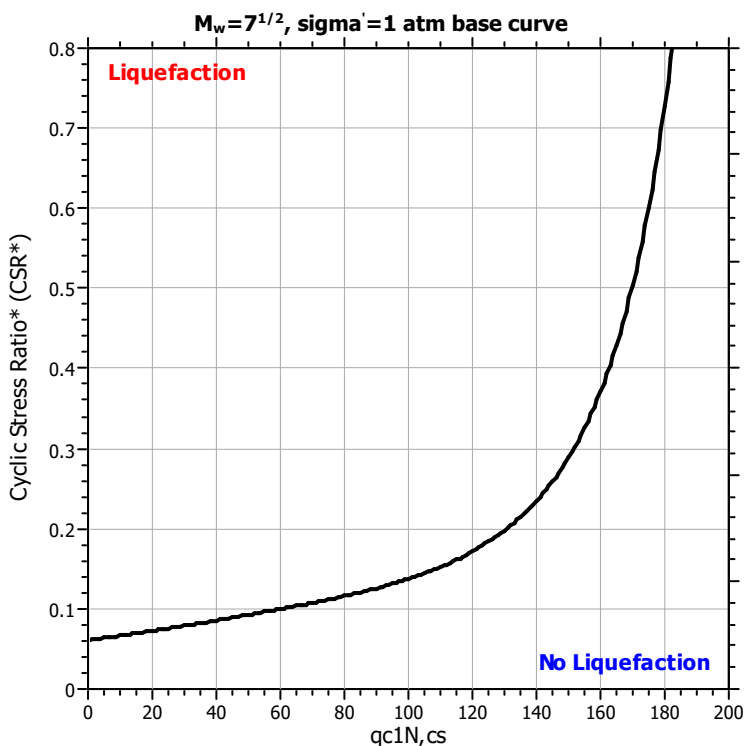
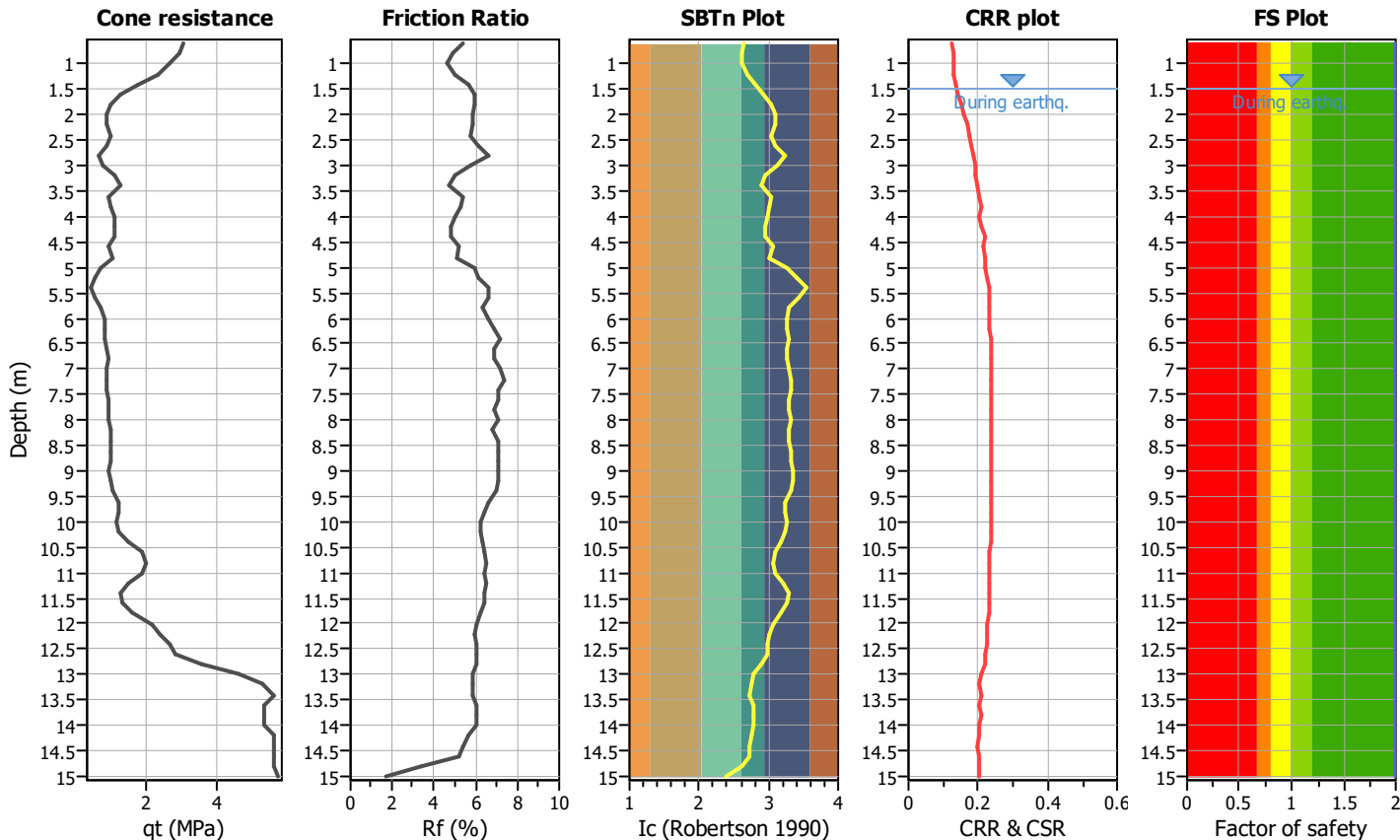
Project title :

Location :

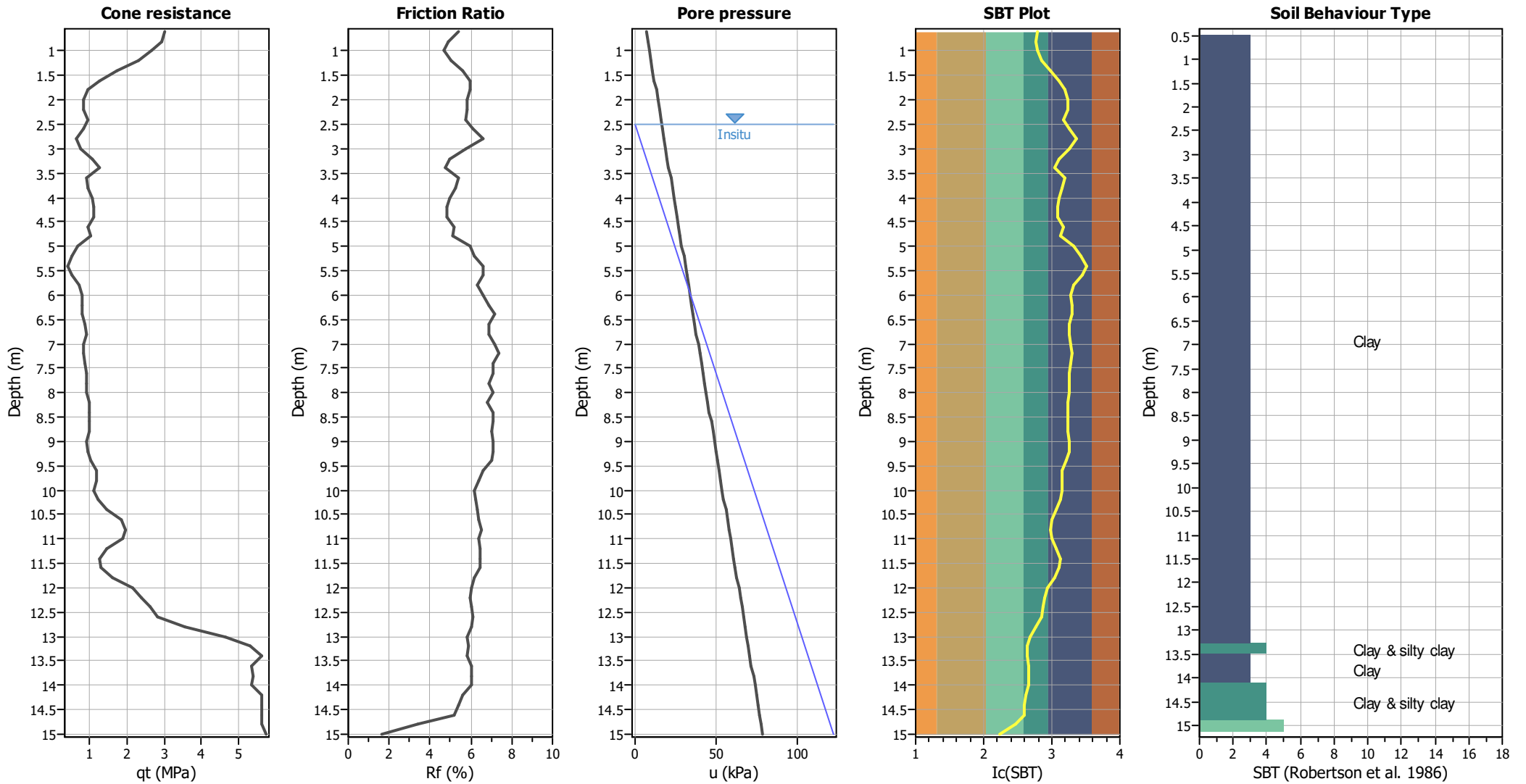
CPT file : P185_CPT176

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



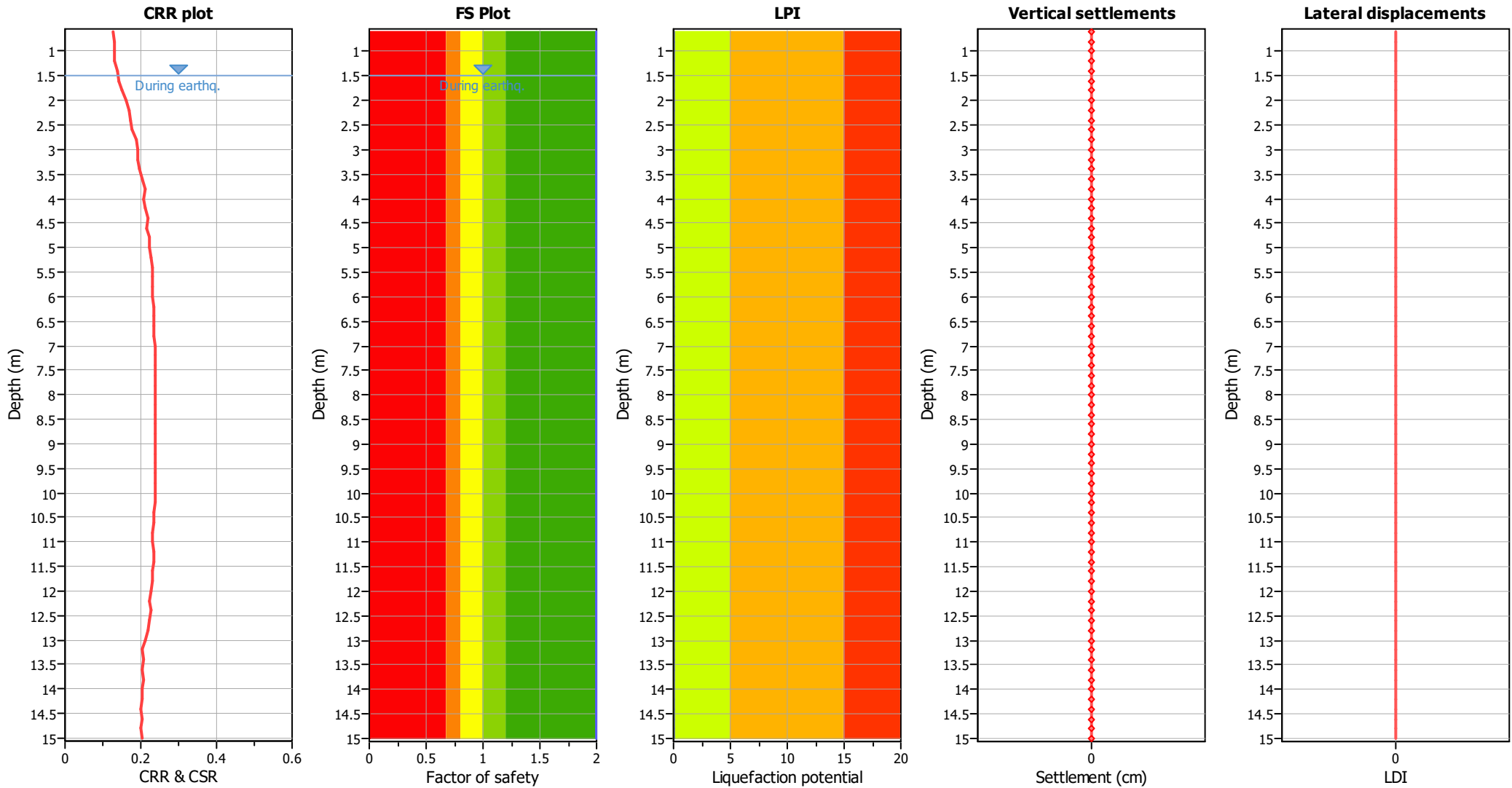
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	20.13	2.00	0.00	1.00	0.00	1.80	16.78	2.00	0.00	1.00	0.00
2.00	11.74	2.00	0.00	1.00	0.00	2.20	13.27	2.00	0.00	1.00	0.00
2.40	15.71	2.00	0.00	1.00	0.00	2.60	16.71	2.00	0.00	1.00	0.00
2.80	6.15	2.00	0.00	1.00	0.00	3.00	6.04	2.00	0.00	1.00	0.00
3.20	21.40	2.00	0.00	1.00	0.00	3.40	18.39	2.00	0.00	1.00	0.00
3.60	14.05	2.00	0.00	1.00	0.00	3.80	5.64	2.00	0.00	1.00	0.00
4.00	20.17	2.00	0.00	1.00	0.00	4.20	17.32	2.00	0.00	1.00	0.00
4.40	6.70	2.00	0.00	1.00	0.00	4.60	19.36	2.00	0.00	1.00	0.00
4.80	10.34	2.00	0.00	1.00	0.00	5.00	10.21	2.00	0.00	1.00	0.00
5.20	5.09	2.00	0.00	1.00	0.00	5.40	3.78	2.00	0.00	1.00	0.00
5.60	6.20	2.00	0.00	1.00	0.00	5.80	8.54	2.00	0.00	1.00	0.00
6.00	10.81	2.00	0.00	1.00	0.00	6.20	9.50	2.00	0.00	1.00	0.00
6.40	8.23	2.00	0.00	1.00	0.00	6.60	10.43	2.00	0.00	1.00	0.00
6.80	11.44	2.00	0.00	1.00	0.00	7.00	9.07	2.00	0.00	1.00	0.00
7.20	7.85	2.00	0.00	1.00	0.00	7.40	11.06	2.00	0.00	1.00	0.00
7.60	9.86	2.00	0.00	1.00	0.00	7.80	8.67	2.00	0.00	1.00	0.00
8.00	10.71	2.00	0.00	1.00	0.00	8.20	9.55	2.00	0.00	1.00	0.00
8.40	10.50	2.00	0.00	1.00	0.00	8.60	10.39	2.00	0.00	1.00	0.00
8.80	9.26	2.00	0.00	1.00	0.00	9.00	10.19	2.00	0.00	1.00	0.00
9.20	8.08	2.00	0.00	1.00	0.00	9.40	9.99	2.00	0.00	1.00	0.00
9.60	12.87	2.00	0.00	1.00	0.00	9.80	11.77	2.00	0.00	1.00	0.00
10.00	9.72	2.00	0.00	1.00	0.00	10.20	10.59	2.00	0.00	1.00	0.00
10.40	14.32	2.00	0.00	1.00	0.00	10.60	17.04	2.00	0.00	1.00	0.00
10.80	20.66	2.00	0.00	1.00	0.00	11.00	17.67	2.00	0.00	1.00	0.00
11.20	13.81	2.00	0.00	1.00	0.00	11.40	9.11	2.00	0.00	1.00	0.00
11.60	10.85	2.00	0.00	1.00	0.00	11.80	15.29	2.00	0.00	1.00	0.00
12.00	16.96	2.00	0.00	1.00	0.00	12.20	24.91	2.00	0.00	1.00	0.00
12.40	21.13	2.00	0.00	1.00	0.00	12.60	23.62	2.00	0.00	1.00	0.00
12.80	28.74	2.00	0.00	1.00	0.00	13.00	40.95	2.00	0.00	1.00	0.00
13.20	51.39	2.00	0.00	1.00	0.00	13.40	45.63	2.00	0.00	1.00	0.00
13.60	47.96	2.00	0.00	1.00	0.00	13.80	43.20	2.00	0.00	1.00	0.00
14.00	45.51	2.00	0.00	1.00	0.00	14.20	46.04	2.00	0.00	1.00	0.00
14.40	49.20	2.00	0.00	1.00	0.00	14.60	44.53	2.00	0.00	1.00	0.00
14.80	45.88	2.00	0.00	1.00	0.00	15.00	107.03	2.00	0.00	1.00	0.00
Total estimated settlement: 0.00											

Abbreviations

- Q_{m,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

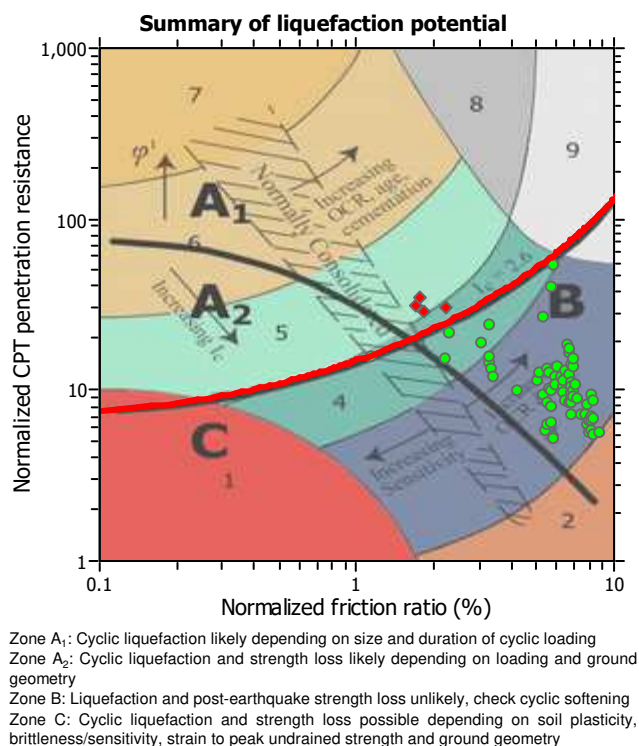
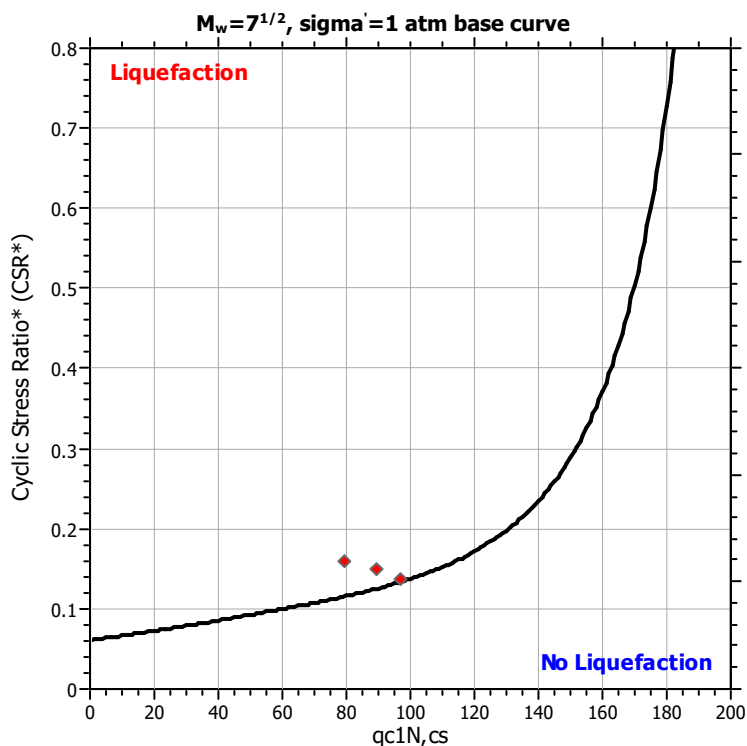
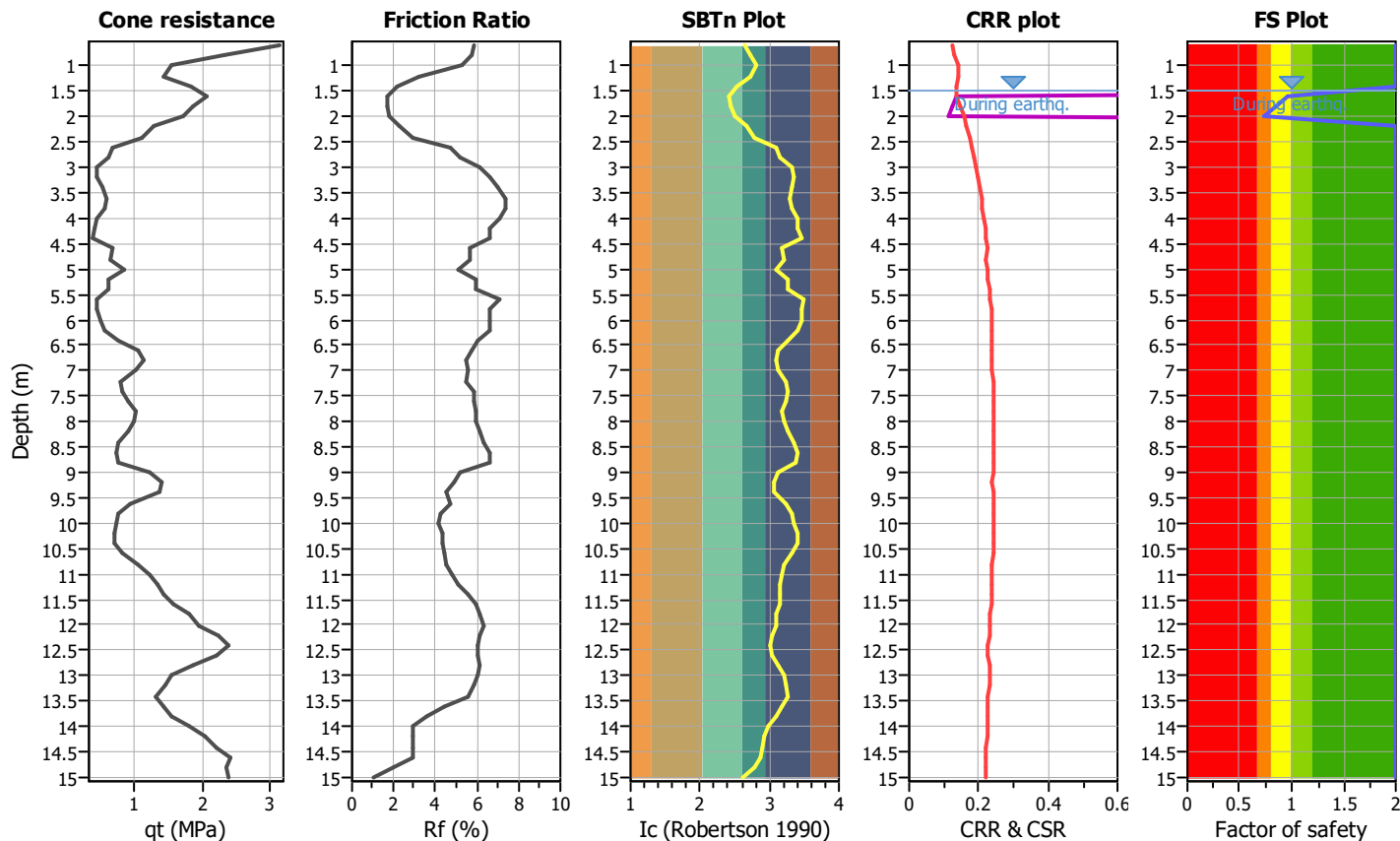
Project title :

Location :

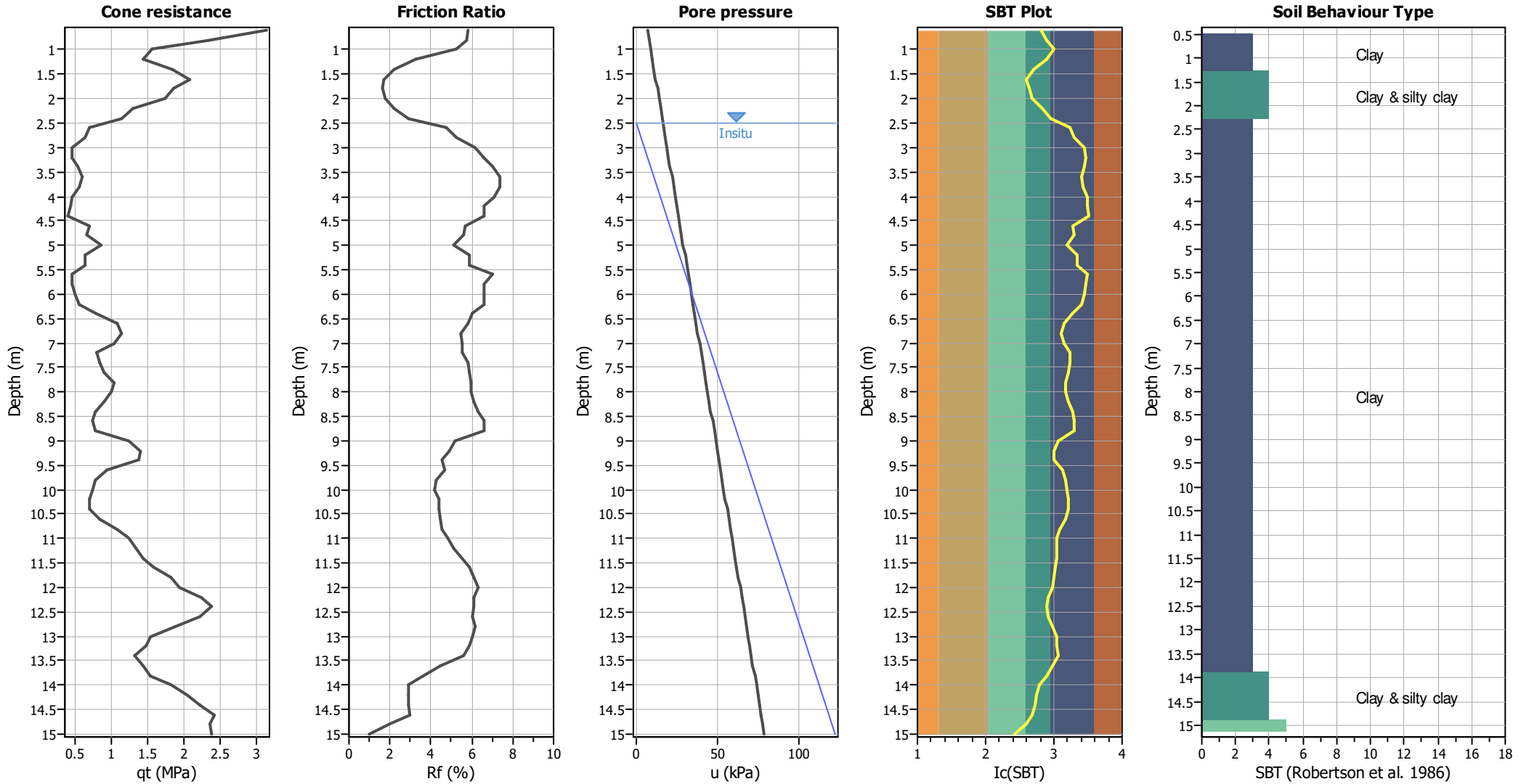
CPT file : P186_CPT177

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



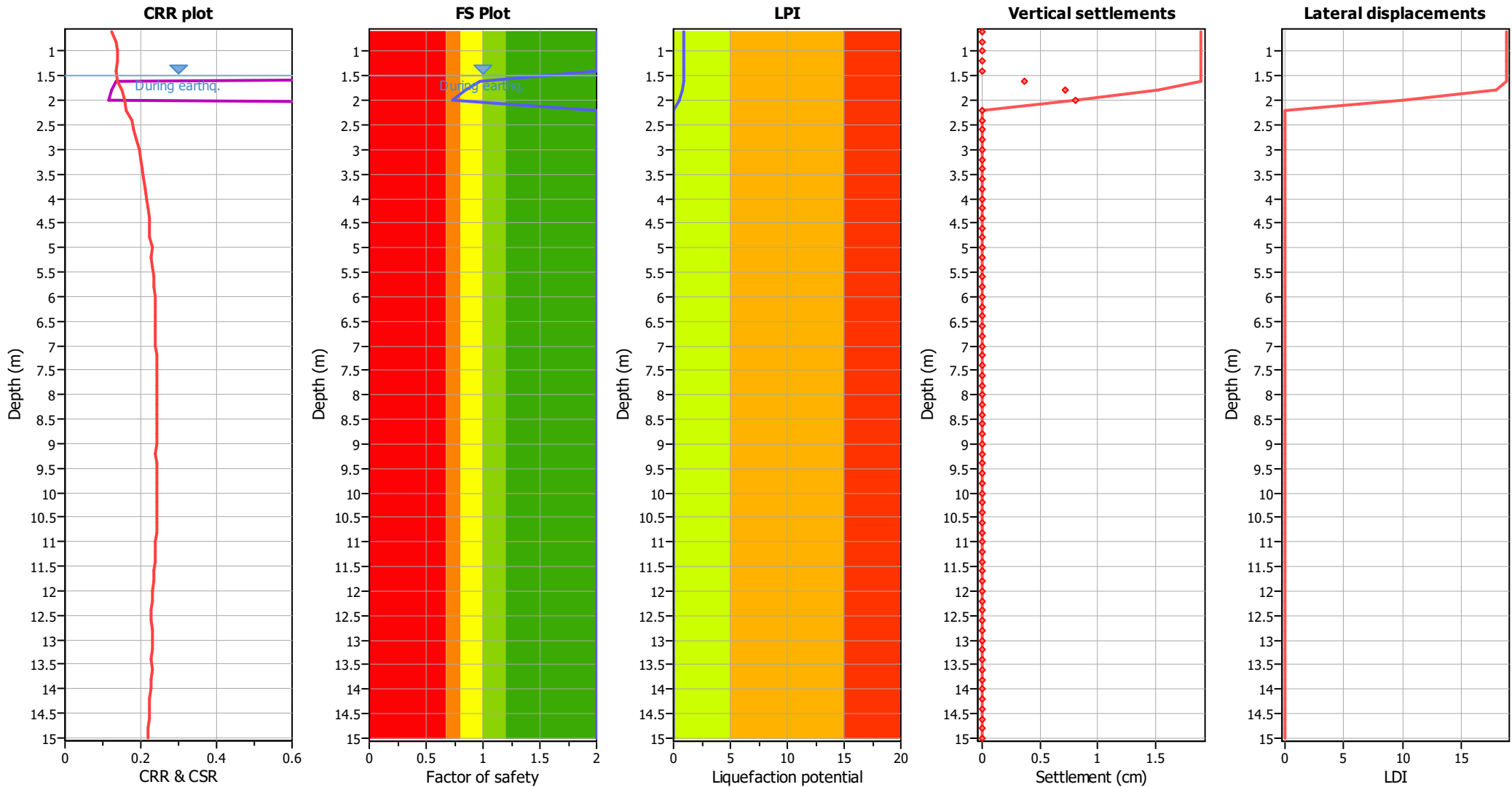
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	0.97	0.03	9.20	0.20	0.06
1.80	0.84	0.16	9.10	0.20	0.29	2.00	0.73	0.27	9.00	0.20	0.49
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.84

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

:: 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)
1.60	97.16	0.97	1.80	1.00	0.36	1.80	89.26	0.84	3.60	1.00	0.72
2.00	79.46	0.73	4.04	1.00	0.81	2.20	30.44	2.00	0.00	1.00	0.00
2.40	9.76	2.00	0.00	1.00	0.00	2.60	13.96	2.00	0.00	1.00	0.00
2.80	9.28	2.00	0.00	1.00	0.00	3.00	6.14	2.00	0.00	1.00	0.00
3.20	6.04	2.00	0.00	1.00	0.00	3.40	8.84	2.00	0.00	1.00	0.00
3.60	8.70	2.00	0.00	1.00	0.00	3.80	8.56	2.00	0.00	1.00	0.00
4.00	7.06	2.00	0.00	1.00	0.00	4.20	4.20	2.00	0.00	1.00	0.00
4.40	6.87	2.00	0.00	1.00	0.00	4.60	5.43	2.00	0.00	1.00	0.00
4.80	15.73	2.00	0.00	1.00	0.00	5.00	5.28	2.00	0.00	1.00	0.00
5.20	12.83	2.00	0.00	1.00	0.00	5.40	6.41	2.00	0.00	1.00	0.00
5.60	5.07	2.00	0.00	1.00	0.00	5.80	6.25	2.00	0.00	1.00	0.00
6.00	6.18	2.00	0.00	1.00	0.00	6.20	6.10	2.00	0.00	1.00	0.00
6.40	8.41	2.00	0.00	1.00	0.00	6.60	12.98	2.00	0.00	1.00	0.00
6.80	16.26	2.00	0.00	1.00	0.00	7.00	10.40	2.00	0.00	1.00	0.00
7.20	9.15	2.00	0.00	1.00	0.00	7.40	7.93	2.00	0.00	1.00	0.00
7.60	11.17	2.00	0.00	1.00	0.00	7.80	11.05	2.00	0.00	1.00	0.00
8.00	12.01	2.00	0.00	1.00	0.00	8.20	9.74	2.00	0.00	1.00	0.00
8.40	7.51	2.00	0.00	1.00	0.00	8.60	7.43	2.00	0.00	1.00	0.00
8.80	8.41	2.00	0.00	1.00	0.00	9.00	8.32	2.00	0.00	1.00	0.00
9.20	21.54	2.00	0.00	1.00	0.00	9.40	13.24	2.00	0.00	1.00	0.00
9.60	7.07	2.00	0.00	1.00	0.00	9.80	8.01	2.00	0.00	1.00	0.00
10.00	7.94	2.00	0.00	1.00	0.00	10.20	5.91	2.00	0.00	1.00	0.00
10.40	6.84	2.00	0.00	1.00	0.00	10.60	7.75	2.00	0.00	1.00	0.00
10.80	9.61	2.00	0.00	1.00	0.00	11.00	13.35	2.00	0.00	1.00	0.00
11.20	12.29	2.00	0.00	1.00	0.00	11.40	12.18	2.00	0.00	1.00	0.00
11.60	15.81	2.00	0.00	1.00	0.00	11.80	15.67	2.00	0.00	1.00	0.00
12.00	18.30	2.00	0.00	1.00	0.00	12.20	19.06	2.00	0.00	1.00	0.00
12.40	23.45	2.00	0.00	1.00	0.00	12.60	21.45	2.00	0.00	1.00	0.00
12.80	14.12	2.00	0.00	1.00	0.00	13.00	14.00	2.00	0.00	1.00	0.00
13.20	12.14	2.00	0.00	1.00	0.00	13.40	12.05	2.00	0.00	1.00	0.00
13.60	9.38	2.00	0.00	1.00	0.00	13.80	15.33	2.00	0.00	1.00	0.00
14.00	14.36	2.00	0.00	1.00	0.00	14.20	15.97	2.00	0.00	1.00	0.00
14.40	20.97	2.00	0.00	1.00	0.00	14.60	18.27	2.00	0.00	1.00	0.00
14.80	20.68	2.00	0.00	1.00	0.00	15.00	18.85	2.00	0.00	1.00	0.00
Total estimated settlement: 1.89											

Abbreviations
 Q_{m,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

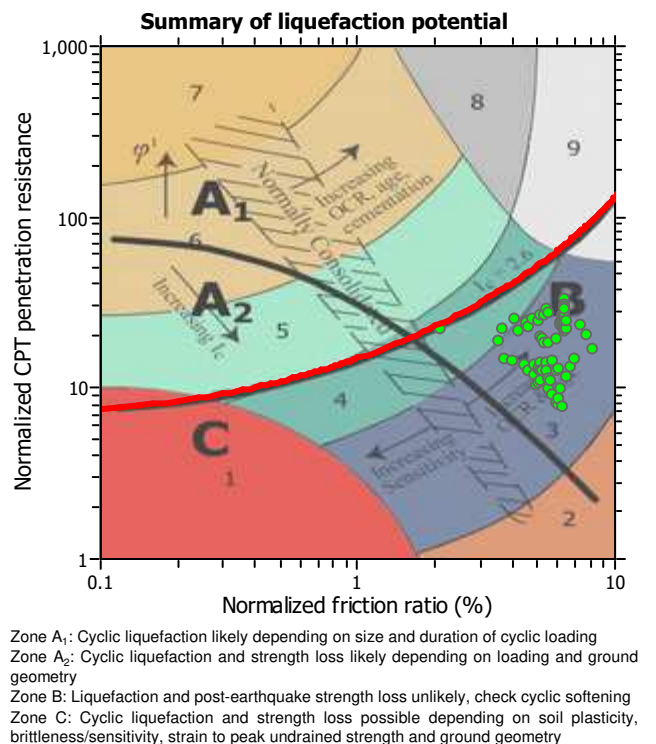
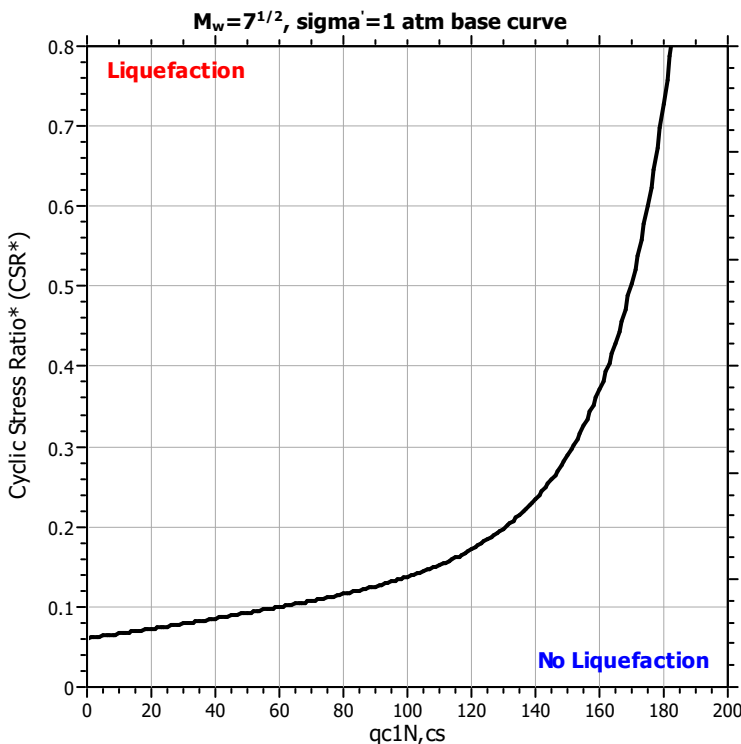
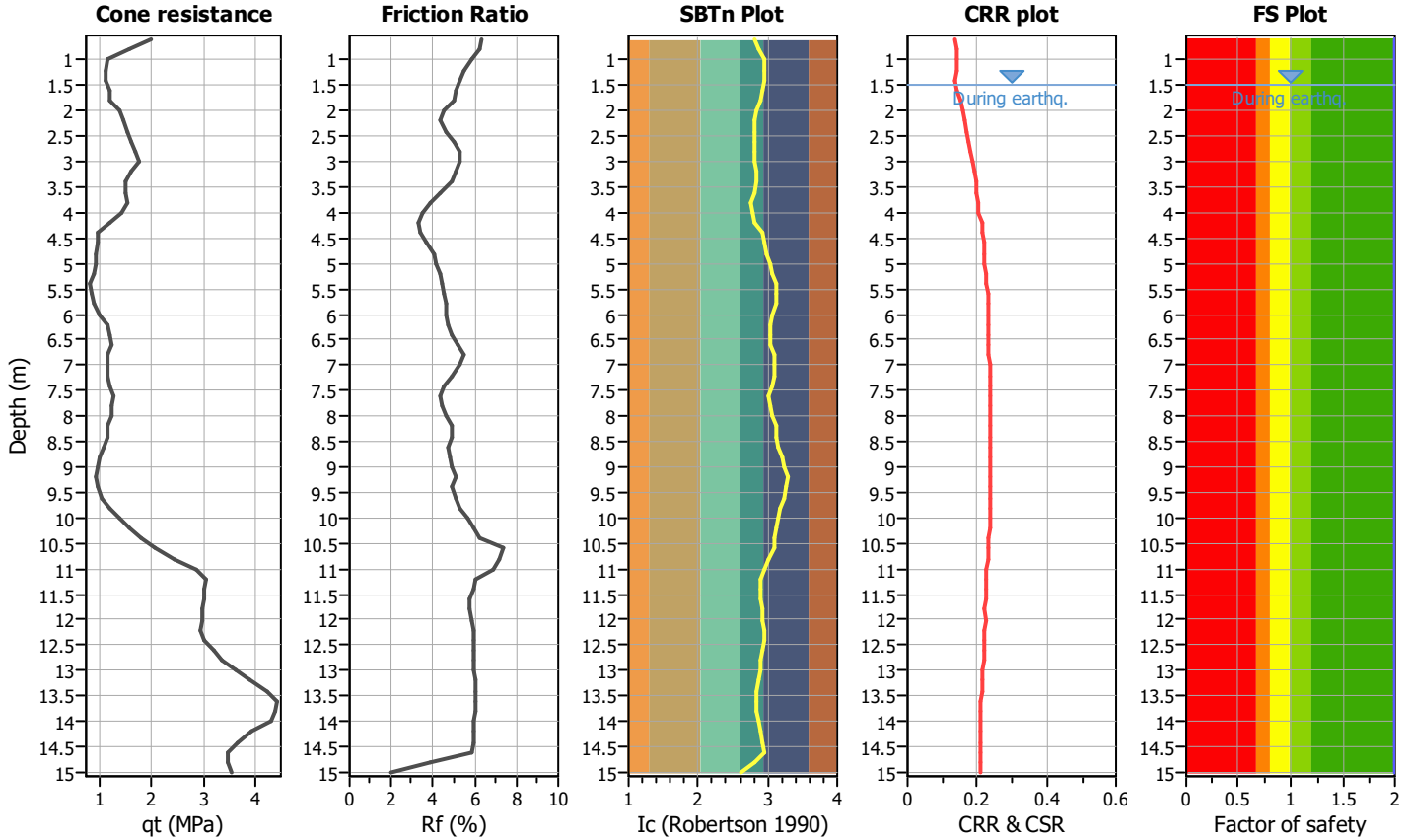
Project title :

Location :

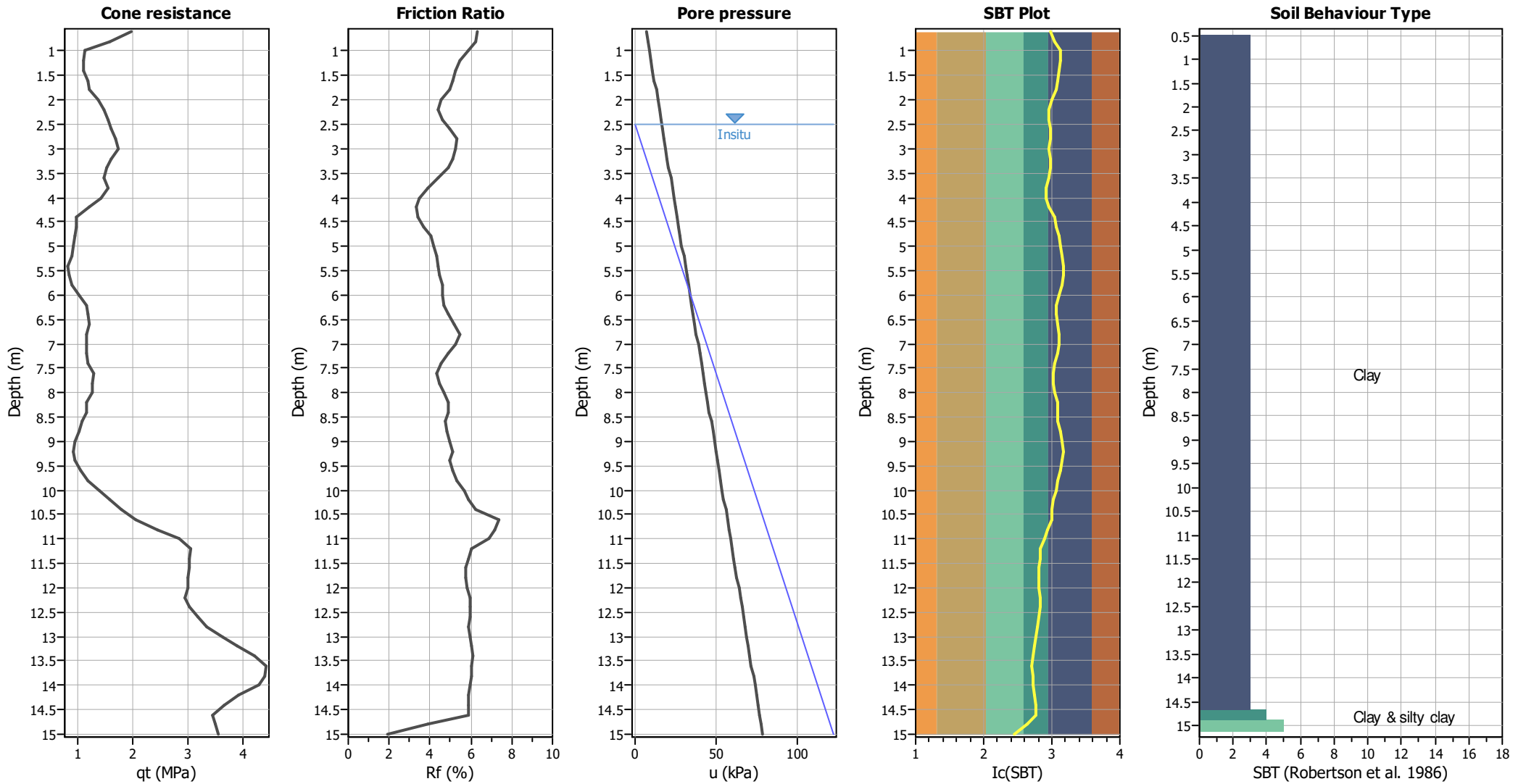
CPT file : P187_CPT178

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



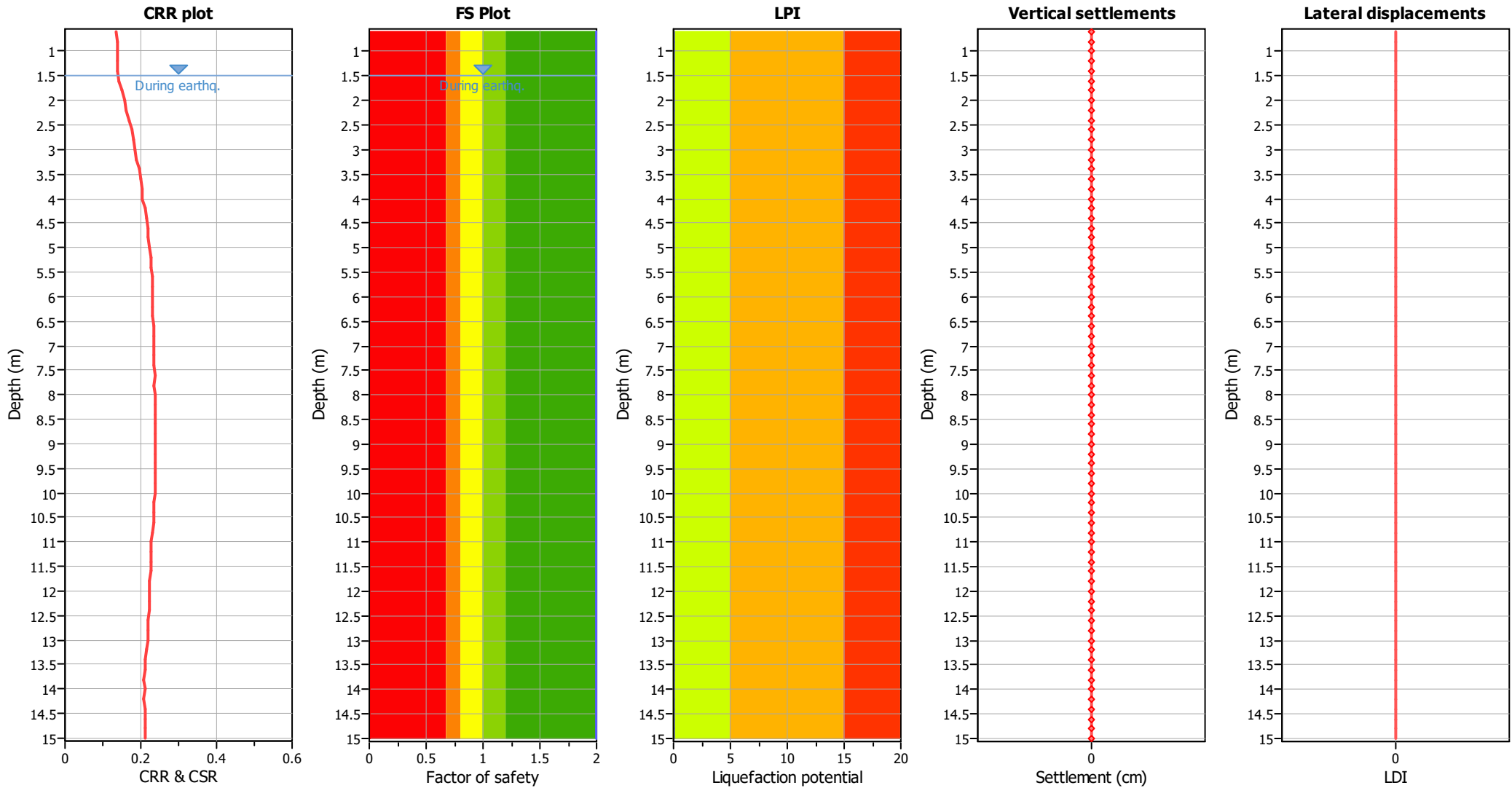
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	18.46	2.00	0.00	1.00	0.00	1.80	20.13	2.00	0.00	1.00	0.00
2.00	21.81	2.00	0.00	1.00	0.00	2.20	25.87	2.00	0.00	1.00	0.00
2.40	23.33	2.00	0.00	1.00	0.00	2.60	22.63	2.00	0.00	1.00	0.00
2.80	26.38	2.00	0.00	1.00	0.00	3.00	24.57	2.00	0.00	1.00	0.00
3.20	24.15	2.00	0.00	1.00	0.00	3.40	19.74	2.00	0.00	1.00	0.00
3.60	19.43	2.00	0.00	1.00	0.00	3.80	21.77	2.00	0.00	1.00	0.00
4.00	21.46	2.00	0.00	1.00	0.00	4.20	13.42	2.00	0.00	1.00	0.00
4.40	13.23	2.00	0.00	1.00	0.00	4.60	11.77	2.00	0.00	1.00	0.00
4.80	12.88	2.00	0.00	1.00	0.00	5.00	11.47	2.00	0.00	1.00	0.00
5.20	10.09	2.00	0.00	1.00	0.00	5.40	11.19	2.00	0.00	1.00	0.00
5.60	8.63	2.00	0.00	1.00	0.00	5.80	10.92	2.00	0.00	1.00	0.00
6.00	11.97	2.00	0.00	1.00	0.00	6.20	12.99	2.00	0.00	1.00	0.00
6.40	15.14	2.00	0.00	1.00	0.00	6.60	12.69	2.00	0.00	1.00	0.00
6.80	13.67	2.00	0.00	1.00	0.00	7.00	12.40	2.00	0.00	1.00	0.00
7.20	12.27	2.00	0.00	1.00	0.00	7.40	13.23	2.00	0.00	1.00	0.00
7.60	13.09	2.00	0.00	1.00	0.00	7.80	15.09	2.00	0.00	1.00	0.00
8.00	11.76	2.00	0.00	1.00	0.00	8.20	12.69	2.00	0.00	1.00	0.00
8.40	11.53	2.00	0.00	1.00	0.00	8.60	11.42	2.00	0.00	1.00	0.00
8.80	10.28	2.00	0.00	1.00	0.00	9.00	9.17	2.00	0.00	1.00	0.00
9.20	9.09	2.00	0.00	1.00	0.00	9.40	9.01	2.00	0.00	1.00	0.00
9.60	9.92	2.00	0.00	1.00	0.00	9.80	11.79	2.00	0.00	1.00	0.00
10.00	12.66	2.00	0.00	1.00	0.00	10.20	15.44	2.00	0.00	1.00	0.00
10.40	17.21	2.00	0.00	1.00	0.00	10.60	18.00	2.00	0.00	1.00	0.00
10.80	22.56	2.00	0.00	1.00	0.00	11.00	27.99	2.00	0.00	1.00	0.00
11.20	28.67	2.00	0.00	1.00	0.00	11.40	27.50	2.00	0.00	1.00	0.00
11.60	26.34	2.00	0.00	1.00	0.00	11.80	27.95	2.00	0.00	1.00	0.00
12.00	25.90	2.00	0.00	1.00	0.00	12.20	25.69	2.00	0.00	1.00	0.00
12.40	26.37	2.00	0.00	1.00	0.00	12.60	27.05	2.00	0.00	1.00	0.00
12.80	29.49	2.00	0.00	1.00	0.00	13.00	30.13	2.00	0.00	1.00	0.00
13.20	33.41	2.00	0.00	1.00	0.00	13.40	35.78	2.00	0.00	1.00	0.00
13.60	38.13	2.00	0.00	1.00	0.00	13.80	37.84	2.00	0.00	1.00	0.00
14.00	34.12	2.00	0.00	1.00	0.00	14.20	34.74	2.00	0.00	1.00	0.00
14.40	27.72	2.00	0.00	1.00	0.00	14.60	26.69	2.00	0.00	1.00	0.00
14.80	28.98	2.00	0.00	1.00	0.00	15.00	27.91	2.00	0.00	1.00	0.00

Total estimated settlement: 0.00

Abbreviations

$Q_{m,cs}$: 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

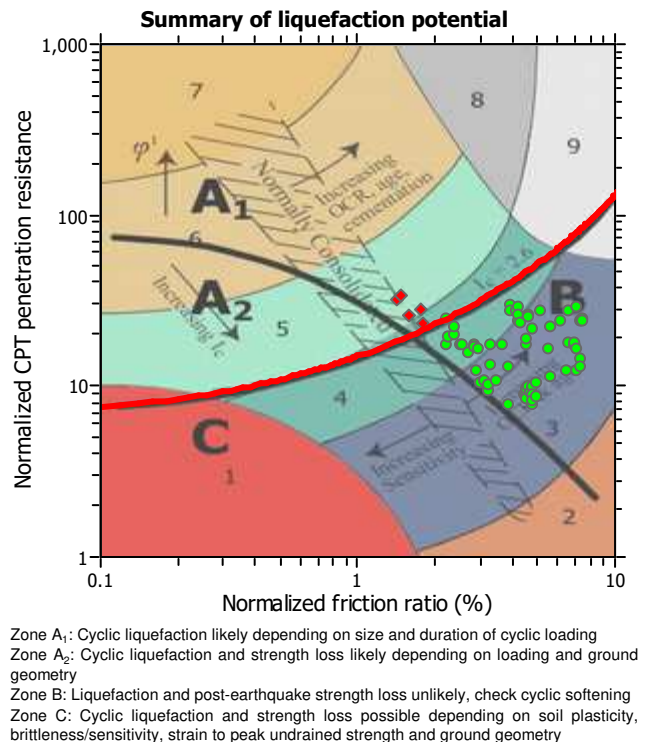
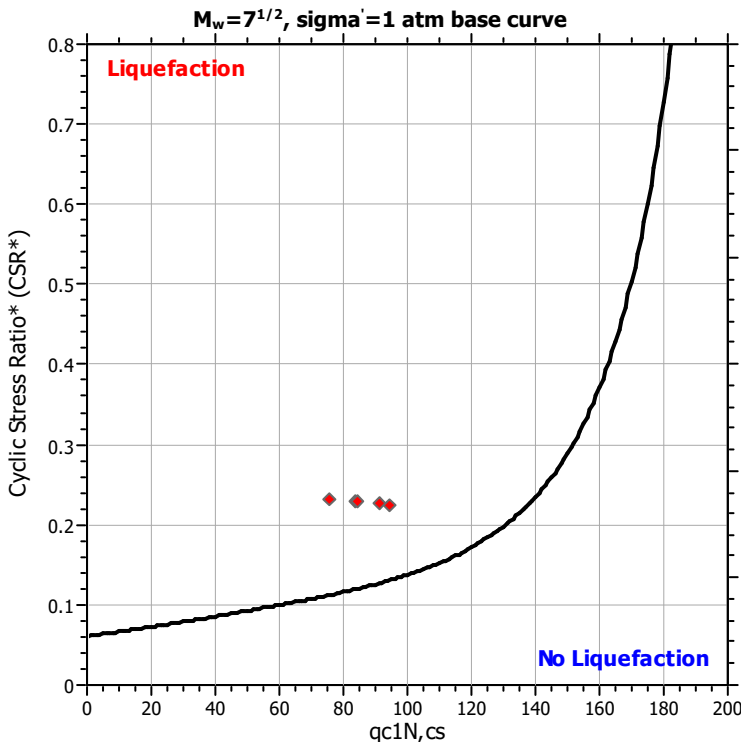
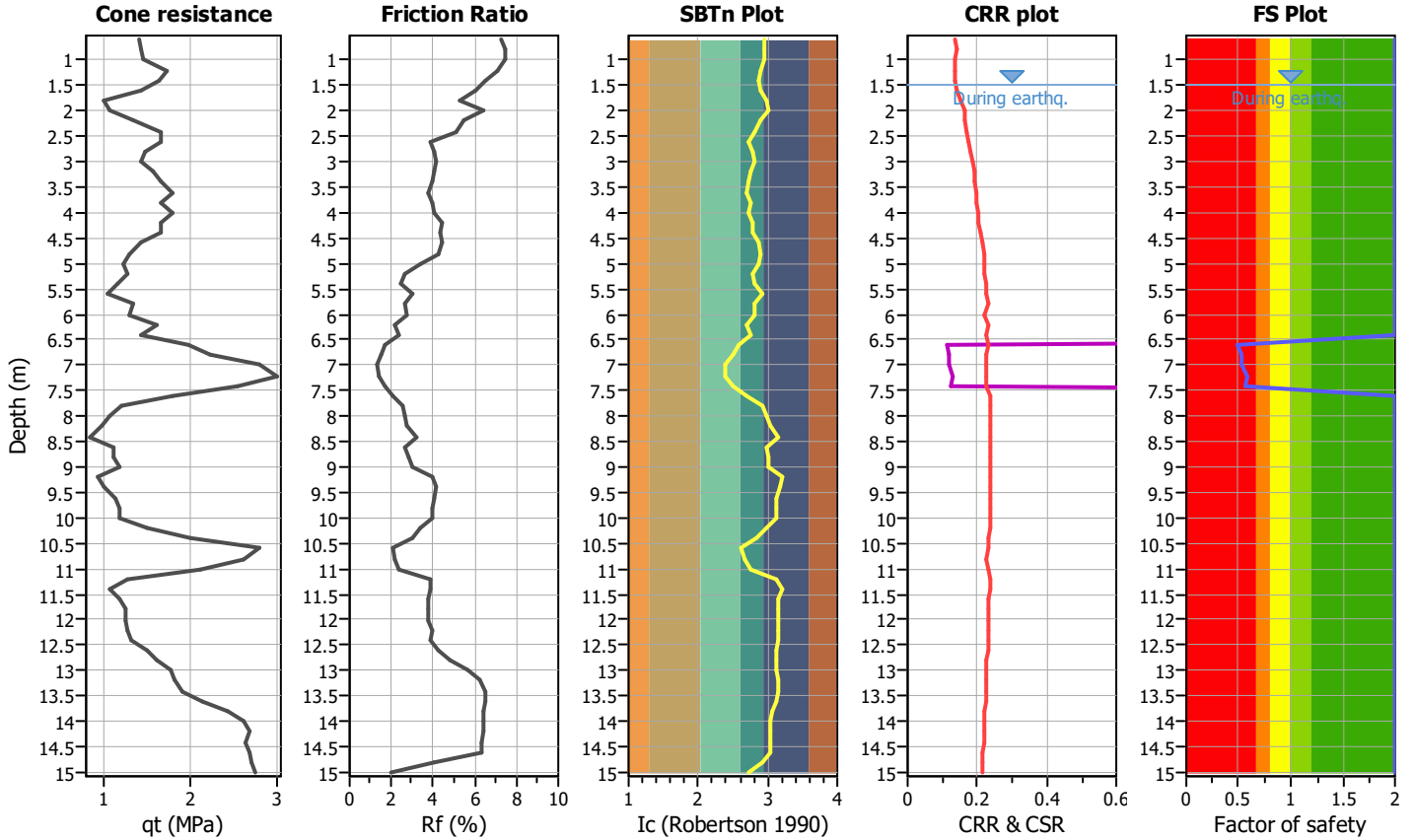
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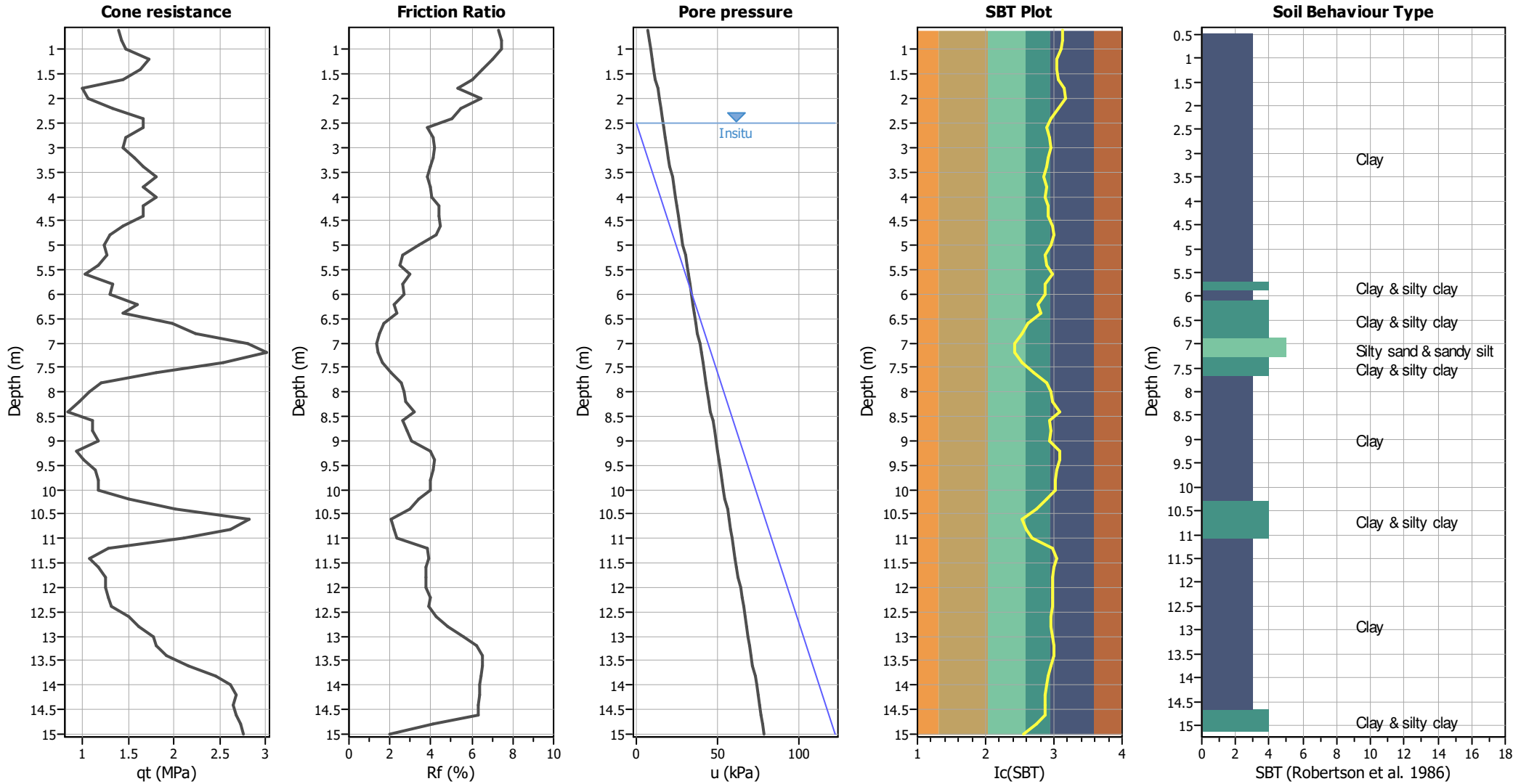
CPT file : P188_CPT179

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



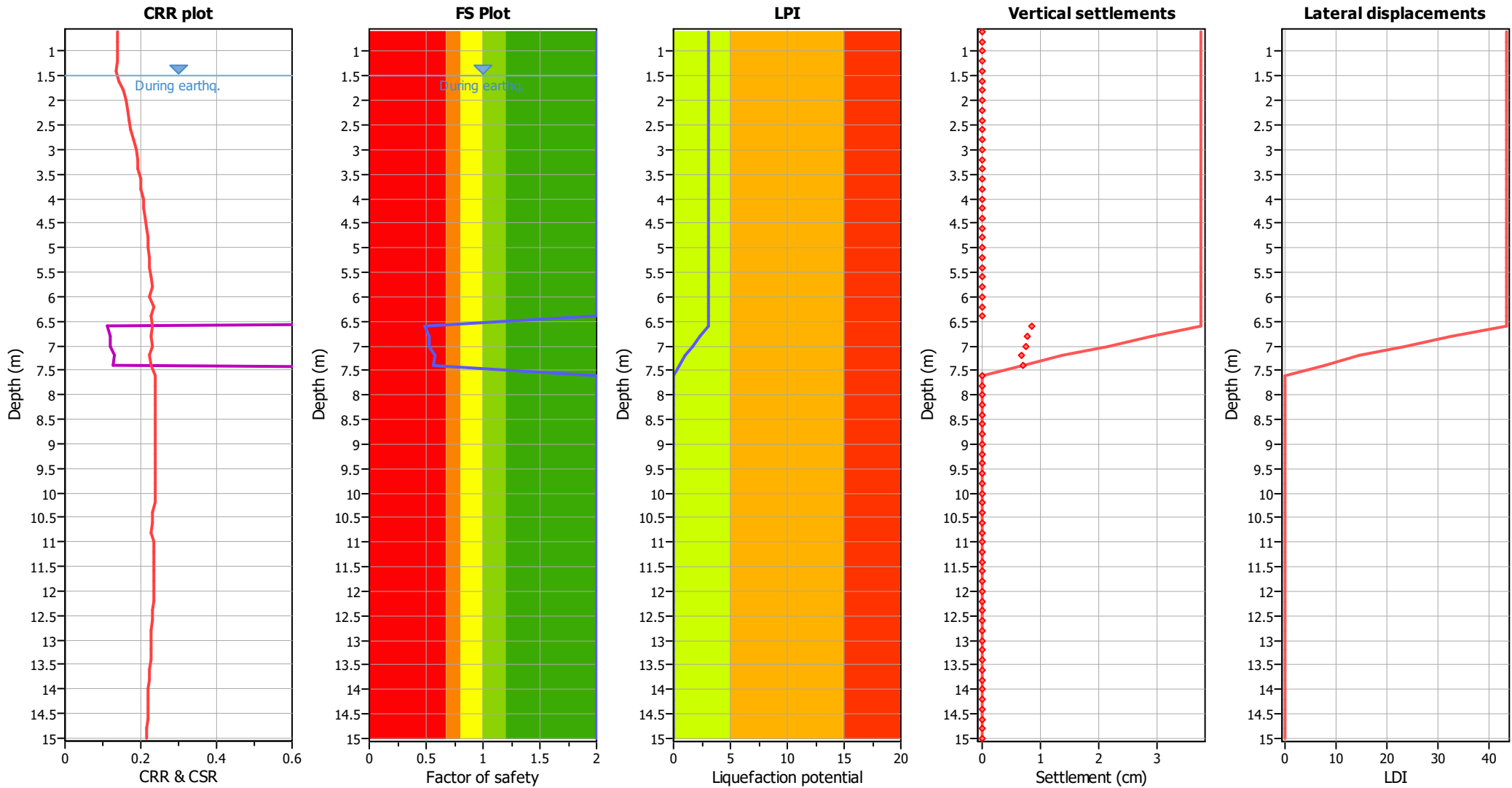
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	0.48	0.52	6.70	0.20	0.69	6.80	0.52	0.48	6.60	0.20	0.63
7.00	0.52	0.48	6.50	0.20	0.62	7.20	0.58	0.42	6.40	0.20	0.53
7.40	0.56	0.44	6.30	0.20	0.55	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 3.03

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

:: 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)
1.60	21.81	2.00	0.00	1.00	0.00	1.80	16.78	2.00	0.00	1.00	0.00
2.00	11.74	2.00	0.00	1.00	0.00	2.20	24.20	2.00	0.00	1.00	0.00
2.40	27.53	2.00	0.00	1.00	0.00	2.60	25.40	2.00	0.00	1.00	0.00
2.80	22.16	2.00	0.00	1.00	0.00	3.00	17.60	2.00	0.00	1.00	0.00
3.20	22.79	2.00	0.00	1.00	0.00	3.40	26.42	2.00	0.00	1.00	0.00
3.60	20.77	2.00	0.00	1.00	0.00	3.80	26.91	2.00	0.00	1.00	0.00
4.00	20.13	2.00	0.00	1.00	0.00	4.20	24.87	2.00	0.00	1.00	0.00
4.40	20.78	2.00	0.00	1.00	0.00	4.60	19.24	2.00	0.00	1.00	0.00
4.80	15.28	2.00	0.00	1.00	0.00	5.00	15.09	2.00	0.00	1.00	0.00
5.20	16.13	2.00	0.00	1.00	0.00	5.40	15.94	2.00	0.00	1.00	0.00
5.60	10.97	2.00	0.00	1.00	0.00	5.80	10.85	2.00	0.00	1.00	0.00
6.00	25.77	2.00	0.00	1.00	0.00	6.20	9.45	2.00	0.00	1.00	0.00
6.40	20.75	2.00	0.00	1.00	0.00	6.60	75.49	0.48	4.24	1.00	0.85
6.80	84.03	0.52	3.82	1.00	0.76	7.00	84.28	0.52	3.81	1.00	0.76
7.20	94.63	0.58	3.40	1.00	0.68	7.40	91.22	0.56	3.53	1.00	0.71
7.60	13.06	2.00	0.00	1.00	0.00	7.80	12.93	2.00	0.00	1.00	0.00
8.00	12.81	2.00	0.00	1.00	0.00	8.20	8.48	2.00	0.00	1.00	0.00
8.40	9.45	2.00	0.00	1.00	0.00	8.60	8.33	2.00	0.00	1.00	0.00
8.80	16.47	2.00	0.00	1.00	0.00	9.00	9.20	2.00	0.00	1.00	0.00
9.20	10.13	2.00	0.00	1.00	0.00	9.40	9.04	2.00	0.00	1.00	0.00
9.60	10.94	2.00	0.00	1.00	0.00	9.80	13.81	2.00	0.00	1.00	0.00
10.00	9.78	2.00	0.00	1.00	0.00	10.20	10.66	2.00	0.00	1.00	0.00
10.40	23.10	2.00	0.00	1.00	0.00	10.60	23.85	2.00	0.00	1.00	0.00
10.80	33.20	2.00	0.00	1.00	0.00	11.00	16.87	2.00	0.00	1.00	0.00
11.20	9.28	2.00	0.00	1.00	0.00	11.40	9.21	2.00	0.00	1.00	0.00
11.60	10.97	2.00	0.00	1.00	0.00	11.80	11.80	2.00	0.00	1.00	0.00
12.00	10.81	2.00	0.00	1.00	0.00	12.20	10.72	2.00	0.00	1.00	0.00
12.40	12.43	2.00	0.00	1.00	0.00	12.60	11.45	2.00	0.00	1.00	0.00
12.80	15.78	2.00	0.00	1.00	0.00	13.00	14.78	2.00	0.00	1.00	0.00
13.20	15.54	2.00	0.00	1.00	0.00	13.40	16.28	2.00	0.00	1.00	0.00
13.60	17.02	2.00	0.00	1.00	0.00	13.80	21.19	2.00	0.00	1.00	0.00
14.00	23.61	2.00	0.00	1.00	0.00	14.20	20.87	2.00	0.00	1.00	0.00
14.40	22.41	2.00	0.00	1.00	0.00	14.60	22.25	2.00	0.00	1.00	0.00
14.80	21.25	2.00	0.00	1.00	0.00	15.00	22.75	2.00	0.00	1.00	0.00
Total estimated settlement: 3.76											

Abbreviations

- Q_{m,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

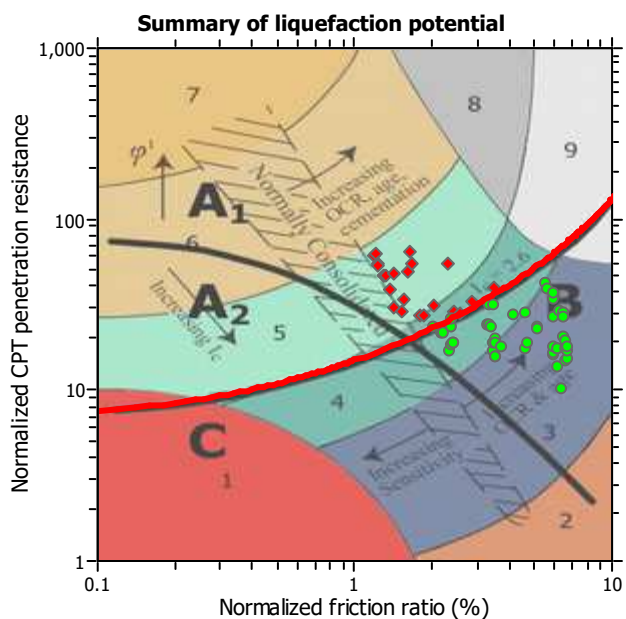
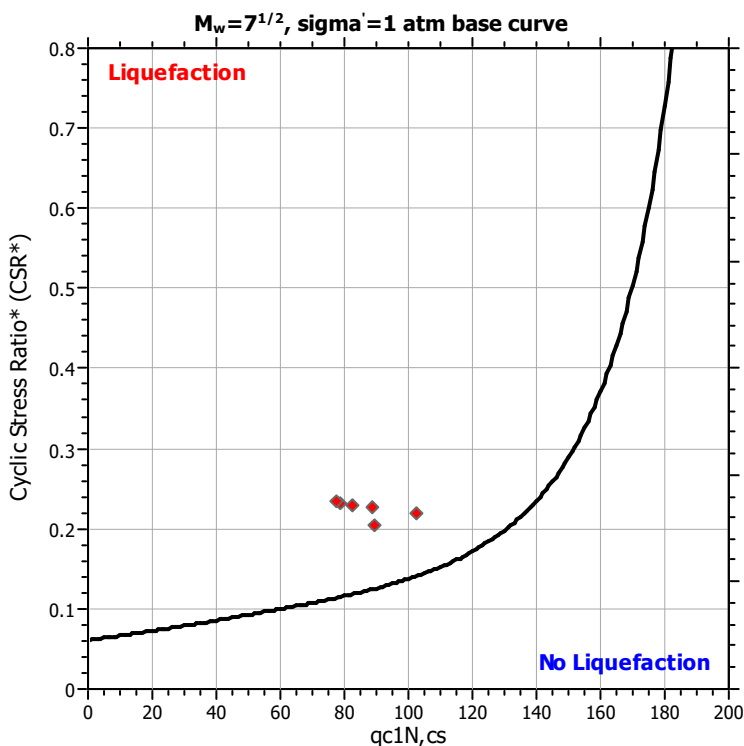
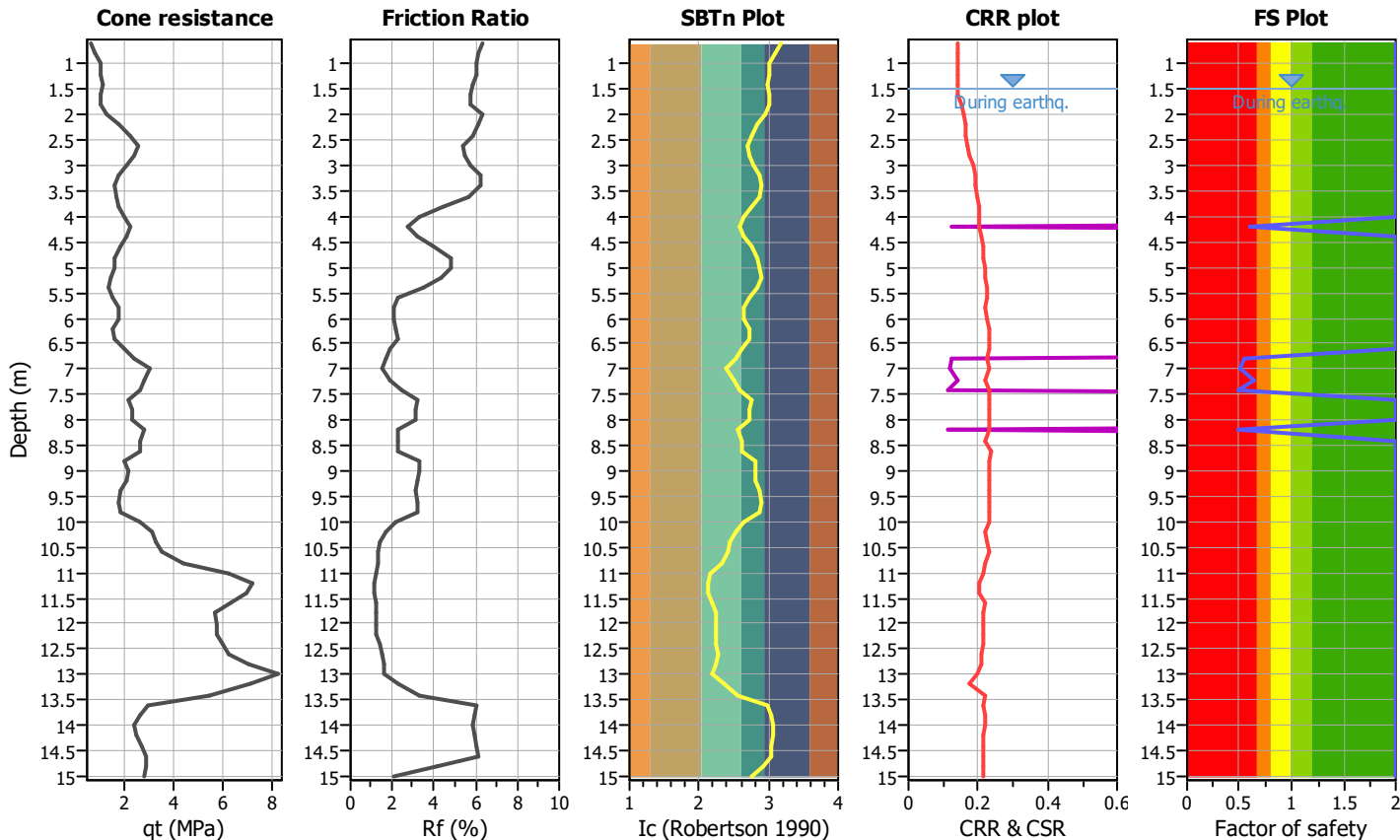
Project title :

Location :

CPT file : P189_CPT180

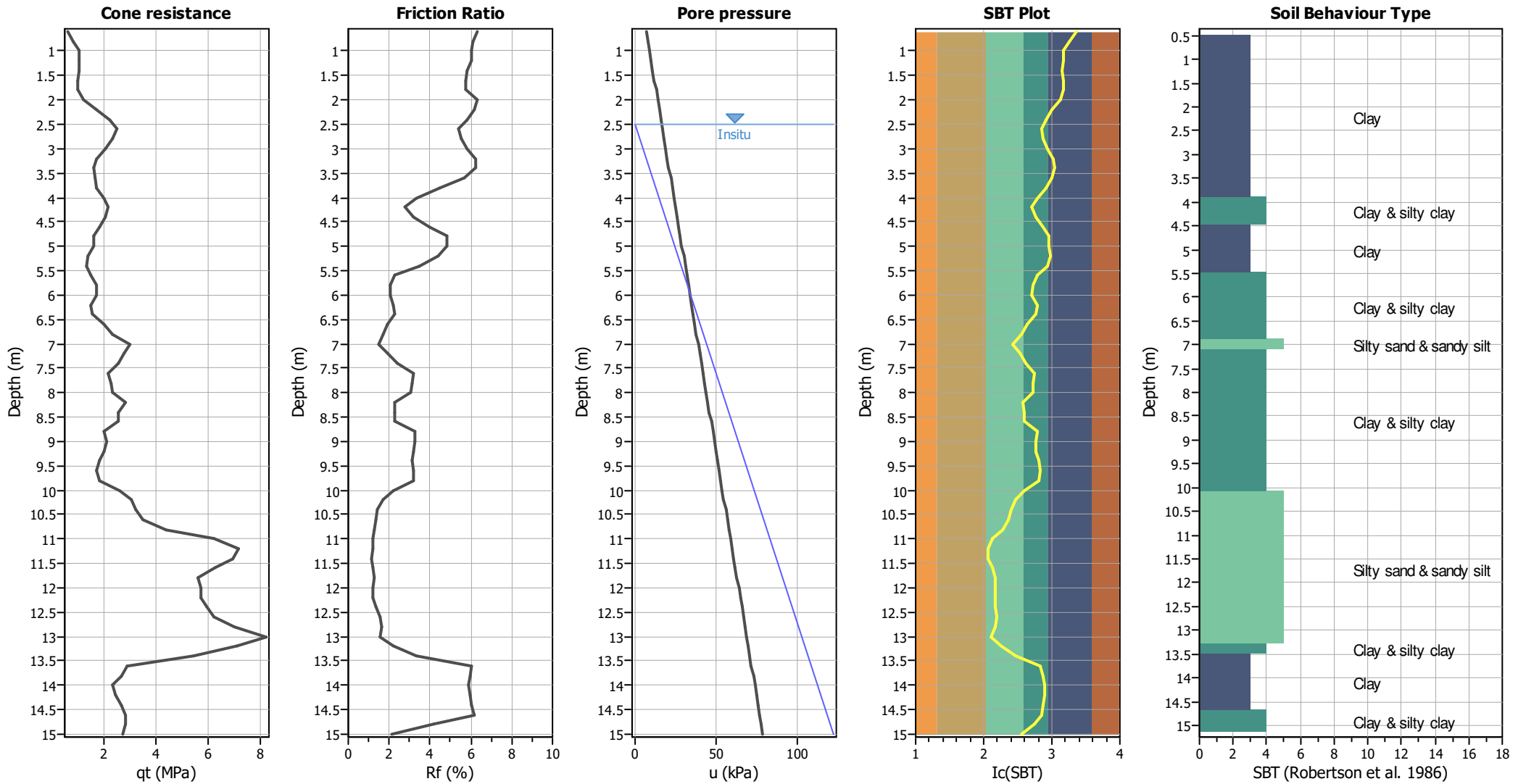
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



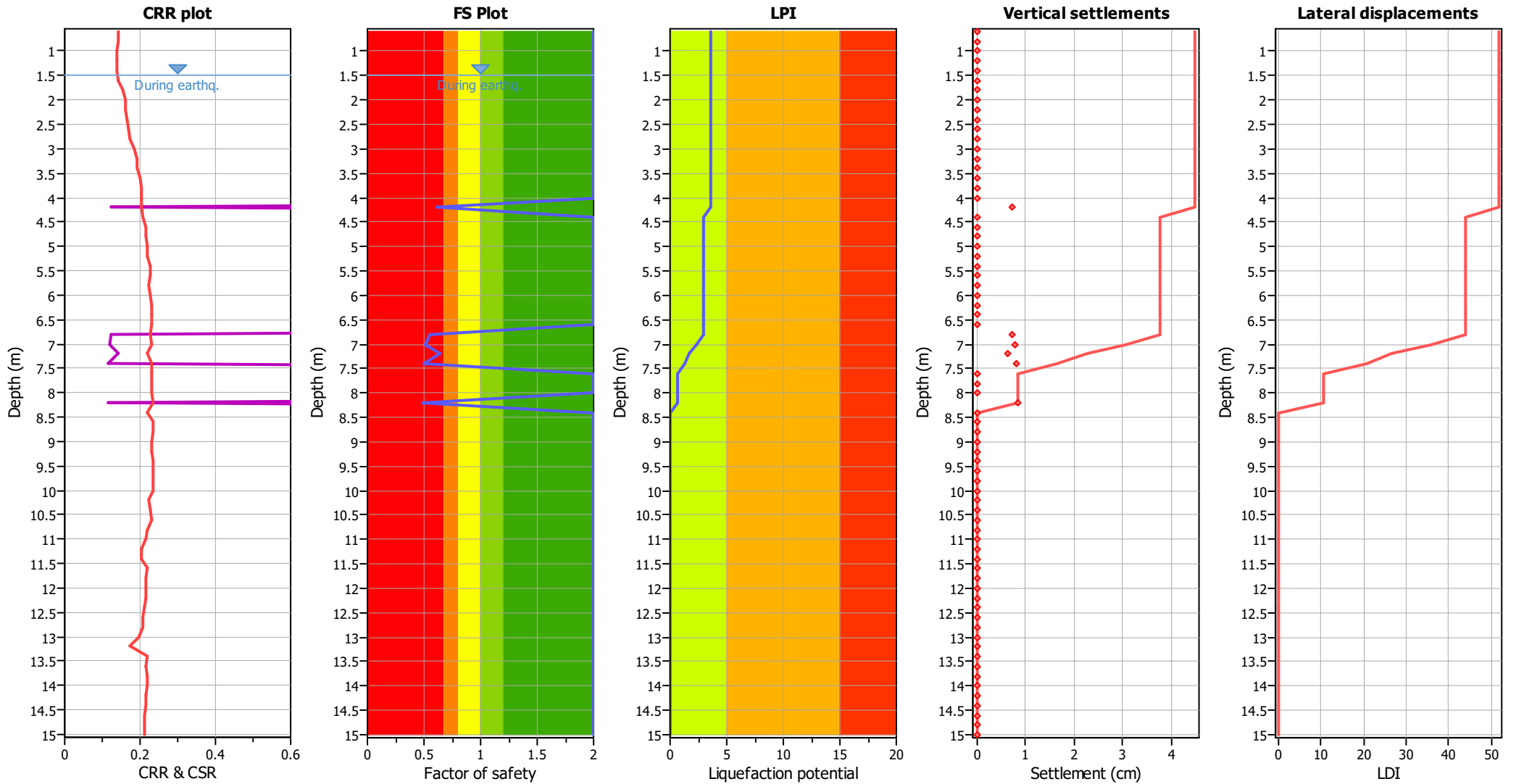
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	0.61	0.39	7.90	0.20	0.62	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	0.55	0.45	6.60	0.20	0.60
7.00	0.52	0.48	6.50	0.20	0.63	7.20	0.64	0.36	6.40	0.20	0.46
7.40	0.49	0.51	6.30	0.20	0.64	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	0.49	0.51	5.90	0.20	0.61	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00
12.20	2.00	0.00	3.90	0.20	0.00	12.40	2.00	0.00	3.80	0.20	0.00
12.60	2.00	0.00	3.70	0.20	0.00	12.80	2.00	0.00	3.60	0.20	0.00
13.00	2.00	0.00	3.50	0.20	0.00	13.20	2.00	0.00	3.40	0.20	0.00
13.40	2.00	0.00	3.30	0.20	0.00	13.60	2.00	0.00	3.20	0.20	0.00
13.80	2.00	0.00	3.10	0.20	0.00	14.00	2.00	0.00	3.00	0.20	0.00
14.20	2.00	0.00	2.90	0.20	0.00	14.40	2.00	0.00	2.80	0.20	0.00
14.60	2.00	0.00	2.70	0.20	0.00	14.80	2.00	0.00	2.60	0.20	0.00
15.00	2.00	0.00	2.50	0.20	0.00						

Overall liquefaction potential: 3.54

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

:: 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)
1.60	18.46	2.00	0.00	1.00	0.00	1.80	13.42	2.00	0.00	1.00	0.00
2.00	18.46	2.00	0.00	1.00	0.00	2.20	29.24	2.00	0.00	1.00	0.00
2.40	35.14	2.00	0.00	1.00	0.00	2.60	36.87	2.00	0.00	1.00	0.00
2.80	38.84	2.00	0.00	1.00	0.00	3.00	26.12	2.00	0.00	1.00	0.00
3.20	22.93	2.00	0.00	1.00	0.00	3.40	23.87	2.00	0.00	1.00	0.00
3.60	20.84	2.00	0.00	1.00	0.00	3.80	23.15	2.00	0.00	1.00	0.00
4.00	26.69	2.00	0.00	1.00	0.00	4.20	89.27	0.61	3.60	1.00	0.72
4.40	28.42	2.00	0.00	1.00	0.00	4.60	21.84	2.00	0.00	1.00	0.00
4.80	20.29	2.00	0.00	1.00	0.00	5.00	18.80	2.00	0.00	1.00	0.00
5.20	20.95	2.00	0.00	1.00	0.00	5.40	11.11	2.00	0.00	1.00	0.00
5.60	16.96	2.00	0.00	1.00	0.00	5.80	24.93	2.00	0.00	1.00	0.00
6.00	18.91	2.00	0.00	1.00	0.00	6.20	17.54	2.00	0.00	1.00	0.00
6.40	16.21	2.00	0.00	1.00	0.00	6.60	20.55	2.00	0.00	1.00	0.00
6.80	88.55	0.55	3.63	1.00	0.73	7.00	82.80	0.52	3.88	1.00	0.78
7.20	102.54	0.64	3.13	1.00	0.63	7.40	78.87	0.49	4.06	1.00	0.81
7.60	20.53	2.00	0.00	1.00	0.00	7.80	26.65	2.00	0.00	1.00	0.00
8.00	25.34	2.00	0.00	1.00	0.00	8.20	77.42	0.49	4.14	1.00	0.83
8.40	41.25	2.00	0.00	1.00	0.00	8.60	17.48	2.00	0.00	1.00	0.00
8.80	20.34	2.00	0.00	1.00	0.00	9.00	22.16	2.00	0.00	1.00	0.00
9.20	20.96	2.00	0.00	1.00	0.00	9.40	16.82	2.00	0.00	1.00	0.00
9.60	16.68	2.00	0.00	1.00	0.00	9.80	17.50	2.00	0.00	1.00	0.00
10.00	18.31	2.00	0.00	1.00	0.00	10.20	100.22	2.00	0.00	1.00	0.00
10.40	87.50	2.00	0.00	1.00	0.00	10.60	76.61	2.00	0.00	1.00	0.00
10.80	102.46	2.00	0.00	1.00	0.00	11.00	108.88	2.00	0.00	1.00	0.00
11.20	125.43	2.00	0.00	1.00	0.00	11.40	124.32	2.00	0.00	1.00	0.00
11.60	101.14	2.00	0.00	1.00	0.00	11.80	108.58	2.00	0.00	1.00	0.00
12.00	106.62	2.00	0.00	1.00	0.00	12.20	106.39	2.00	0.00	1.00	0.00
12.40	107.92	2.00	0.00	1.00	0.00	12.60	115.26	2.00	0.00	1.00	0.00
12.80	113.55	2.00	0.00	1.00	0.00	13.00	130.11	2.00	0.00	1.00	0.00
13.20	159.53	2.00	0.00	1.00	0.00	13.40	82.98	2.00	0.00	1.00	0.00
13.60	26.88	2.00	0.00	1.00	0.00	13.80	20.72	2.00	0.00	1.00	0.00
14.00	18.05	2.00	0.00	1.00	0.00	14.20	18.75	2.00	0.00	1.00	0.00
14.40	22.78	2.00	0.00	1.00	0.00	14.60	23.44	2.00	0.00	1.00	0.00
14.80	22.45	2.00	0.00	1.00	0.00	15.00	21.46	2.00	0.00	1.00	0.00

Total estimated settlement: 4.49

Abbreviations

$Q_{m,cs}$: 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

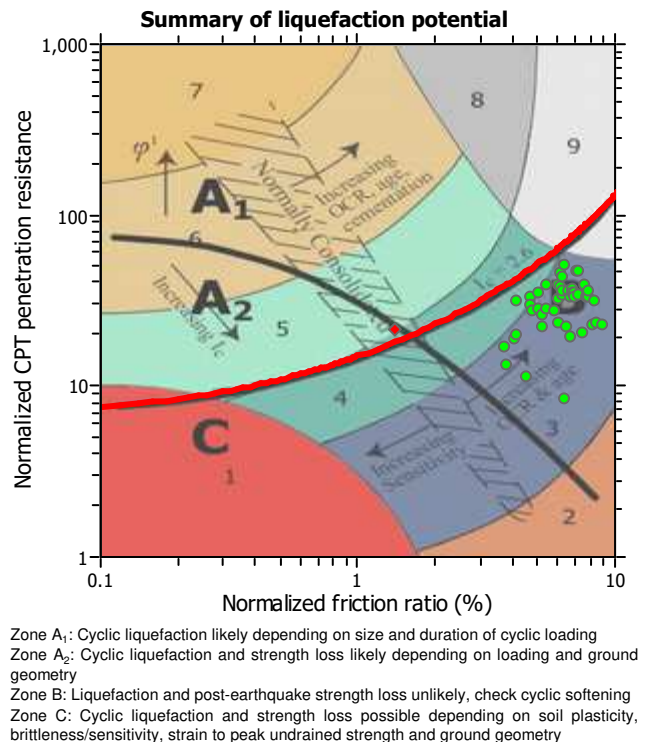
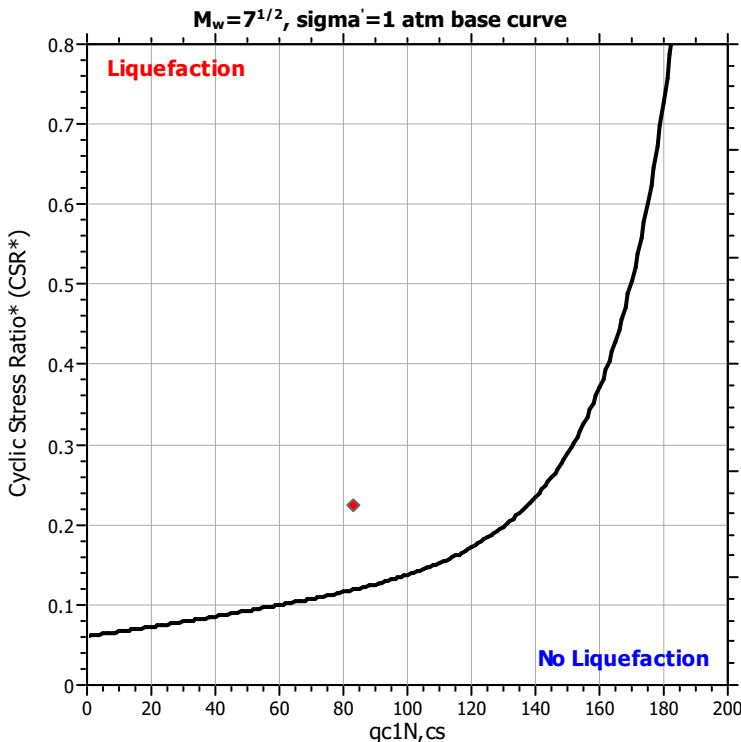
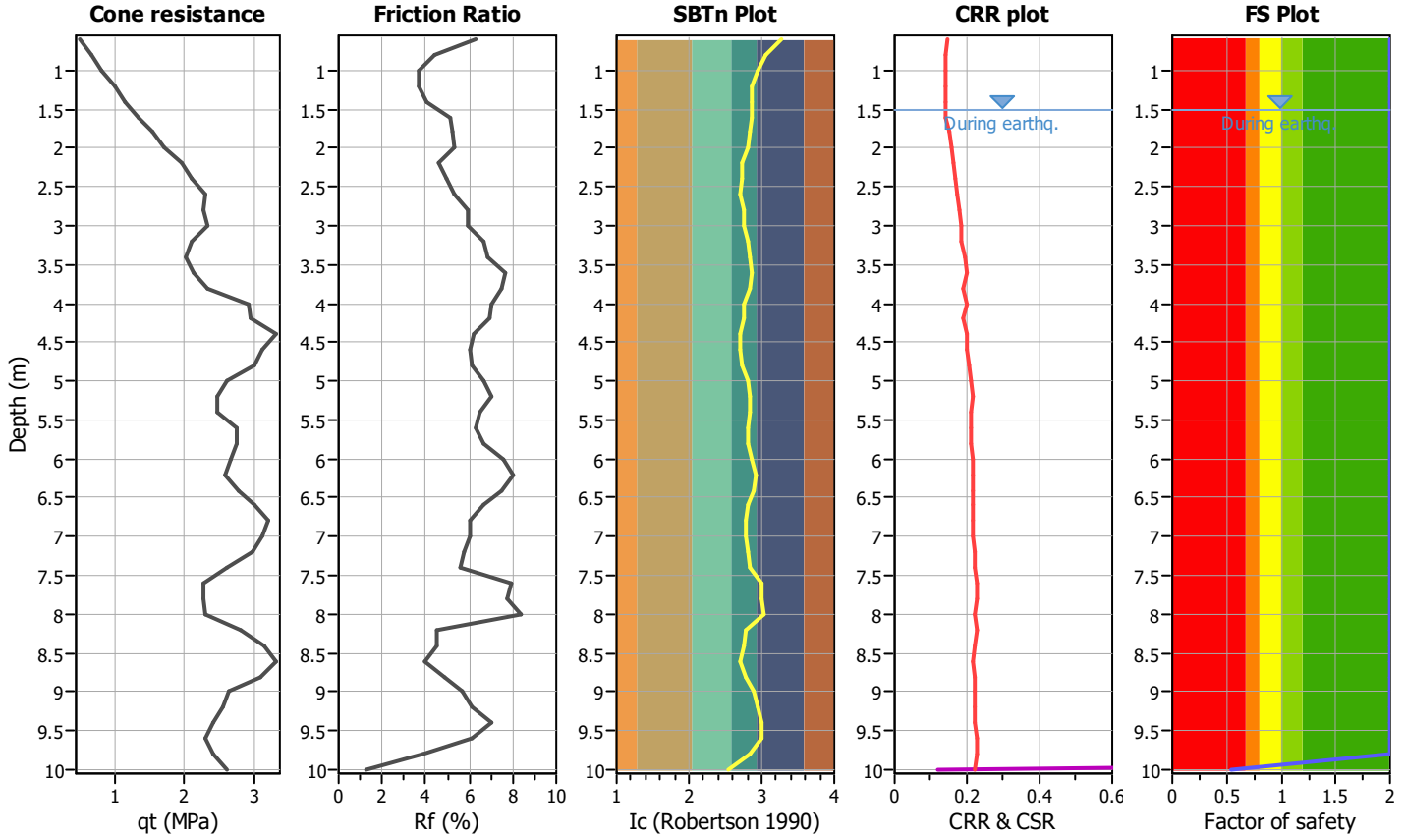
Project title :

Location :

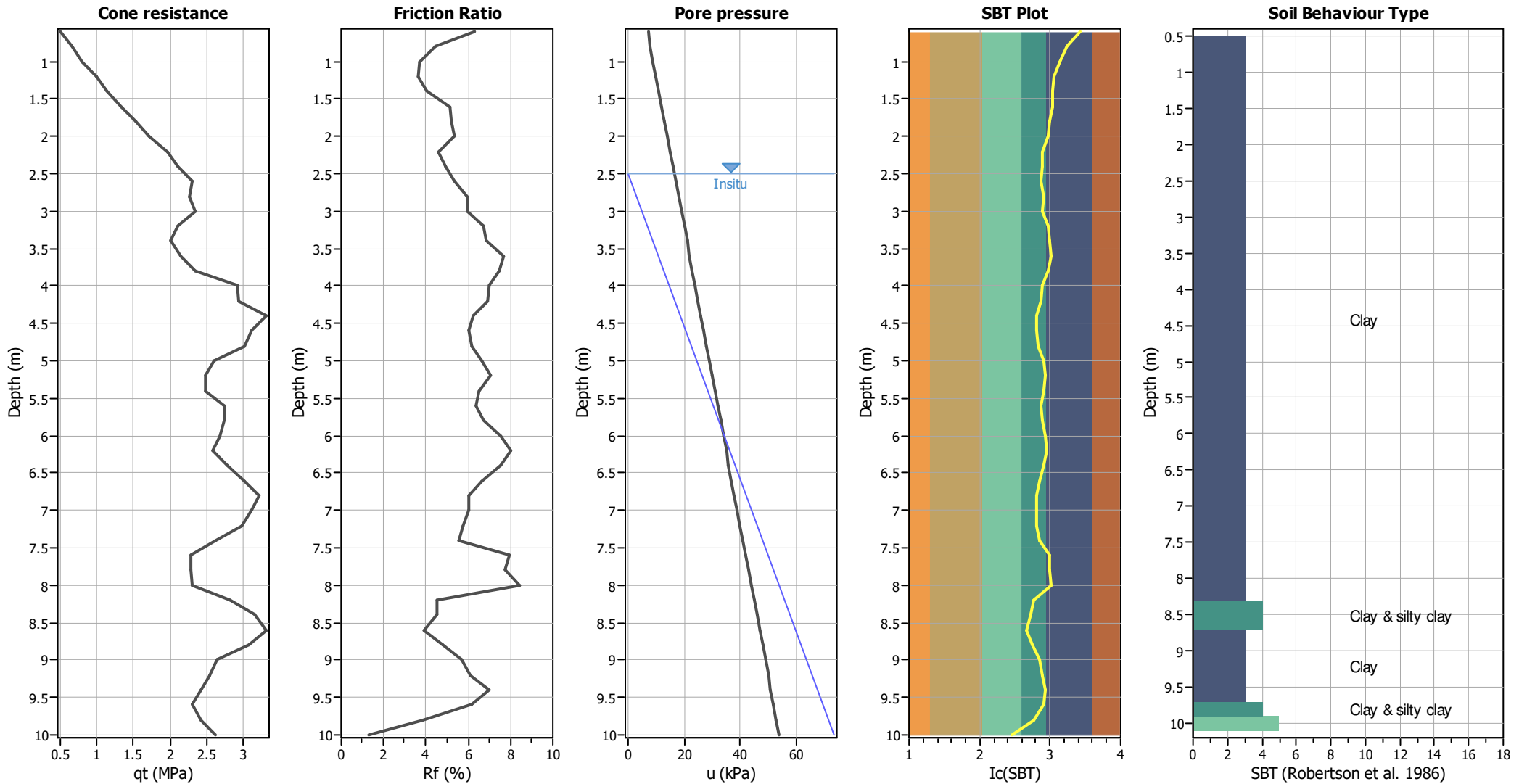
CPT file : P114_CPT105

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



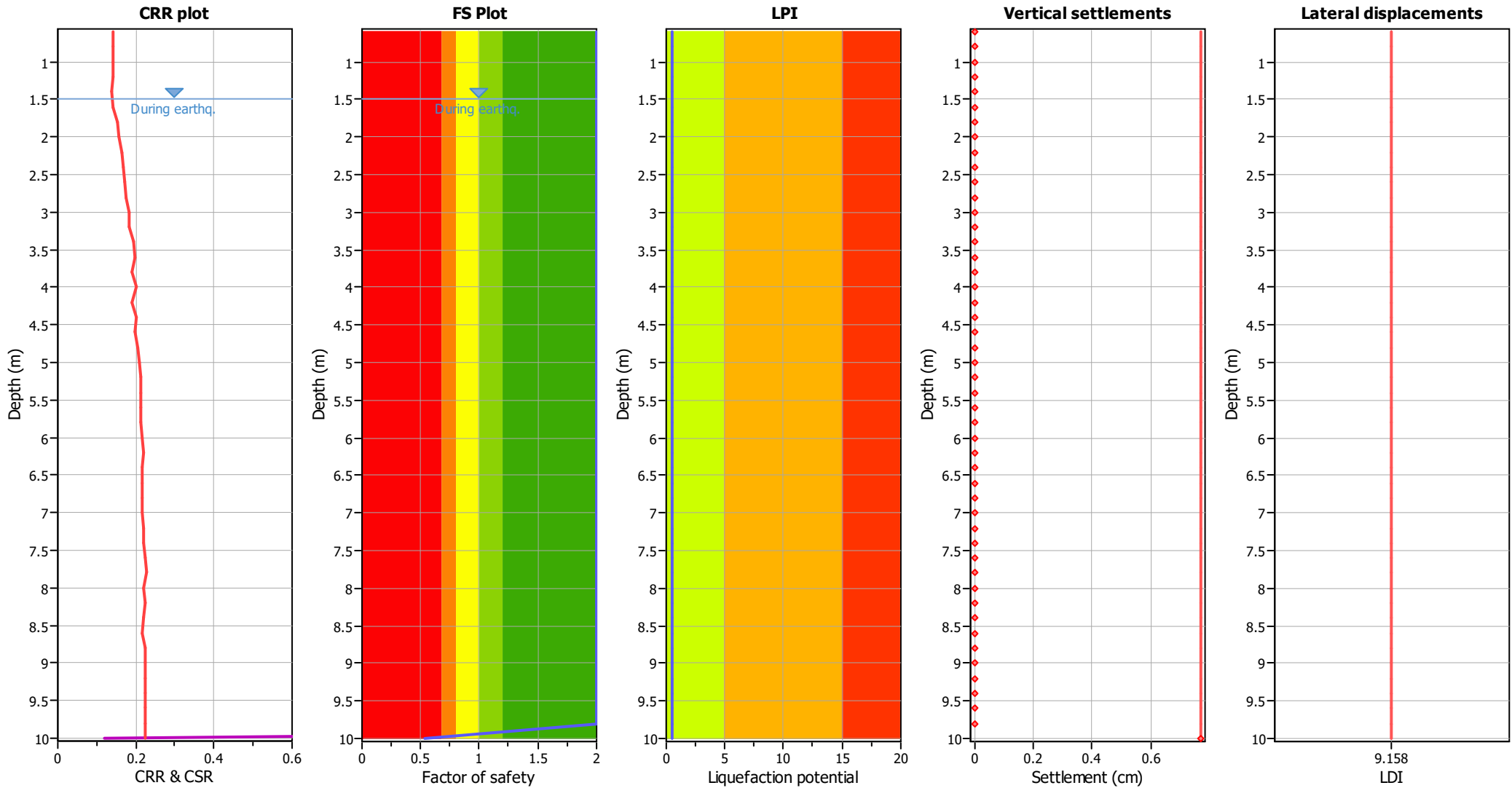
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	0.53	0.47	5.00	0.20	0.47

Overall liquefaction potential: 0.47

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

:: 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)
1.60	21.81	2.00	0.00	1.00	0.00	1.80	23.49	2.00	0.00	1.00	0.00
2.00	31.88	2.00	0.00	1.00	0.00	2.20	29.49	2.00	0.00	1.00	0.00
2.40	33.96	2.00	0.00	1.00	0.00	2.60	34.33	2.00	0.00	1.00	0.00
2.80	35.01	2.00	0.00	1.00	0.00	3.00	30.36	2.00	0.00	1.00	0.00
3.20	35.07	2.00	0.00	1.00	0.00	3.40	23.96	2.00	0.00	1.00	0.00
3.60	24.84	2.00	0.00	1.00	0.00	3.80	38.35	2.00	0.00	1.00	0.00
4.00	30.35	2.00	0.00	1.00	0.00	4.20	44.45	2.00	0.00	1.00	0.00
4.40	37.88	2.00	0.00	1.00	0.00	4.60	42.05	2.00	0.00	1.00	0.00
4.80	35.62	2.00	0.00	1.00	0.00	5.00	32.79	2.00	0.00	1.00	0.00
5.20	26.52	2.00	0.00	1.00	0.00	5.40	29.62	2.00	0.00	1.00	0.00
5.60	31.51	2.00	0.00	1.00	0.00	5.80	34.45	2.00	0.00	1.00	0.00
6.00	28.48	2.00	0.00	1.00	0.00	6.20	28.11	2.00	0.00	1.00	0.00
6.40	29.95	2.00	0.00	1.00	0.00	6.60	33.89	2.00	0.00	1.00	0.00
6.80	34.57	2.00	0.00	1.00	0.00	7.00	35.24	2.00	0.00	1.00	0.00
7.20	29.64	2.00	0.00	1.00	0.00	7.40	29.33	2.00	0.00	1.00	0.00
7.60	22.84	2.00	0.00	1.00	0.00	7.80	18.50	2.00	0.00	1.00	0.00
8.00	28.41	2.00	0.00	1.00	0.00	8.20	23.13	2.00	0.00	1.00	0.00
8.40	32.84	2.00	0.00	1.00	0.00	8.60	37.46	2.00	0.00	1.00	0.00
8.80	27.34	2.00	0.00	1.00	0.00	9.00	25.14	2.00	0.00	1.00	0.00
9.20	23.95	2.00	0.00	1.00	0.00	9.40	23.72	2.00	0.00	1.00	0.00
9.60	20.67	2.00	0.00	1.00	0.00	9.80	20.49	2.00	0.00	1.00	0.00
10.00	83.27	0.53	3.86	1.00	0.77						

Total estimated settlement: 0.77

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

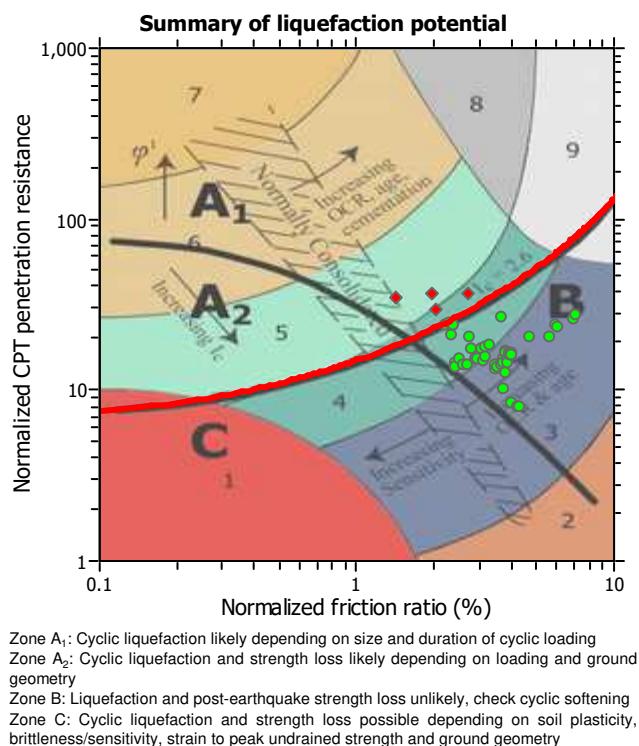
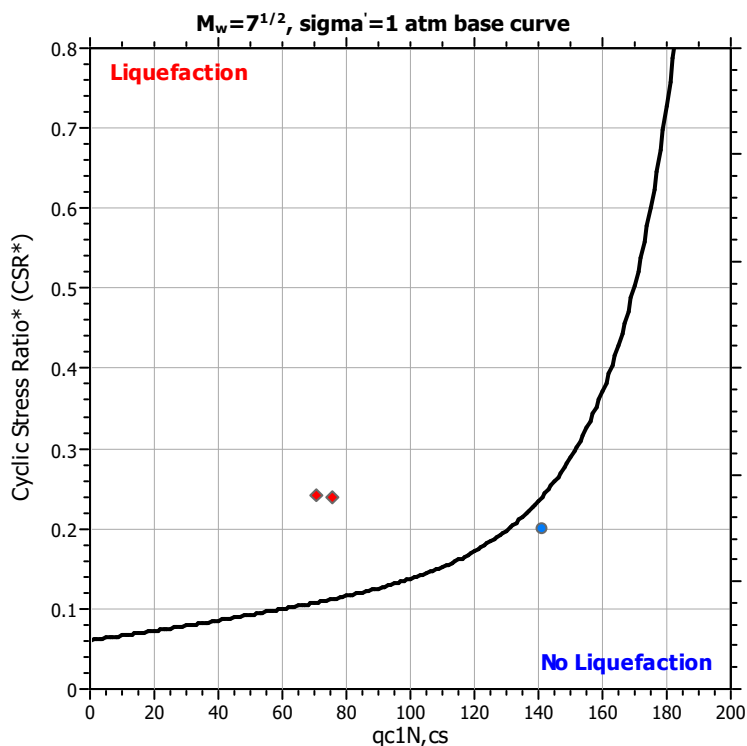
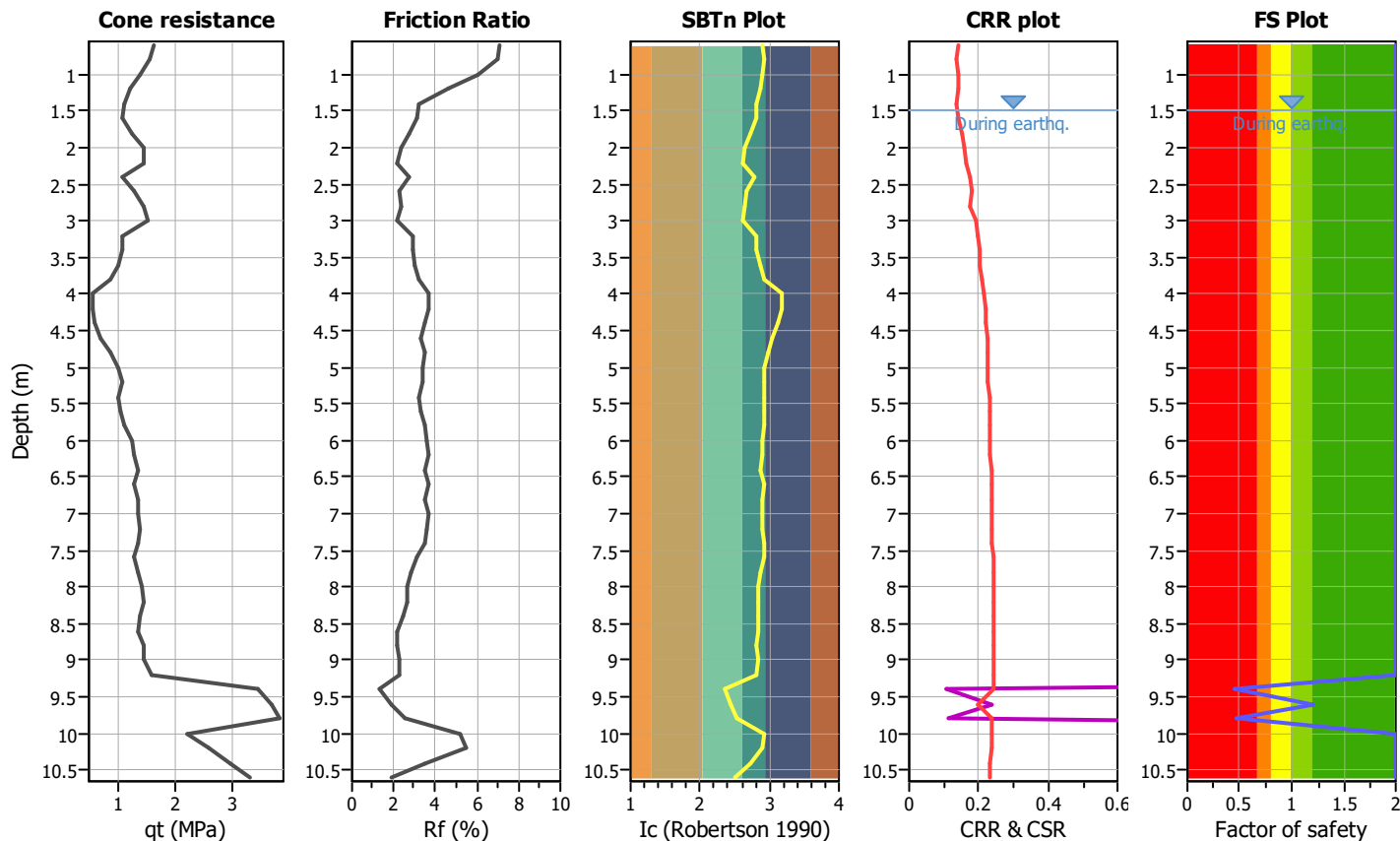
Project title :

Location :

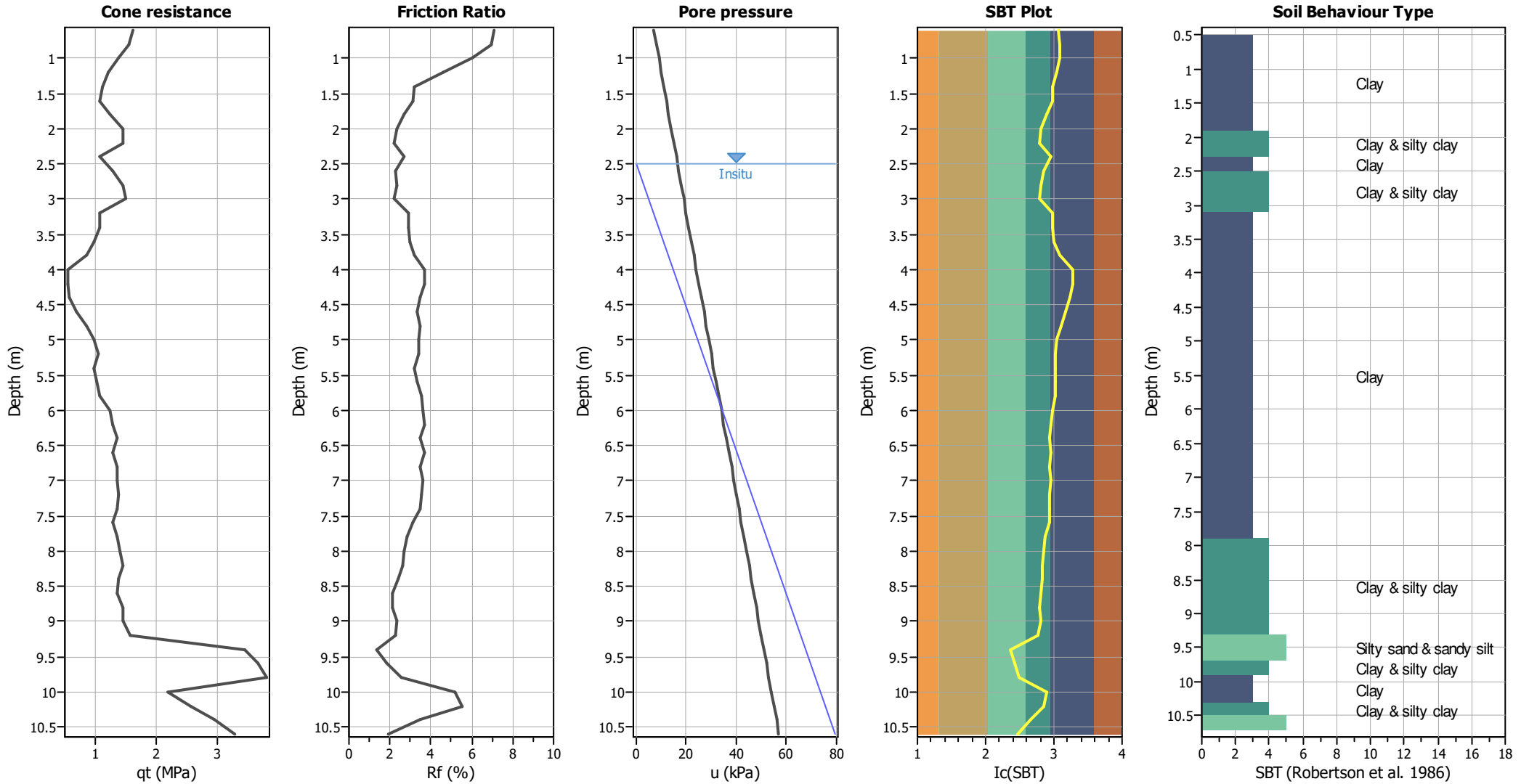
CPT file : P115_CPT106

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



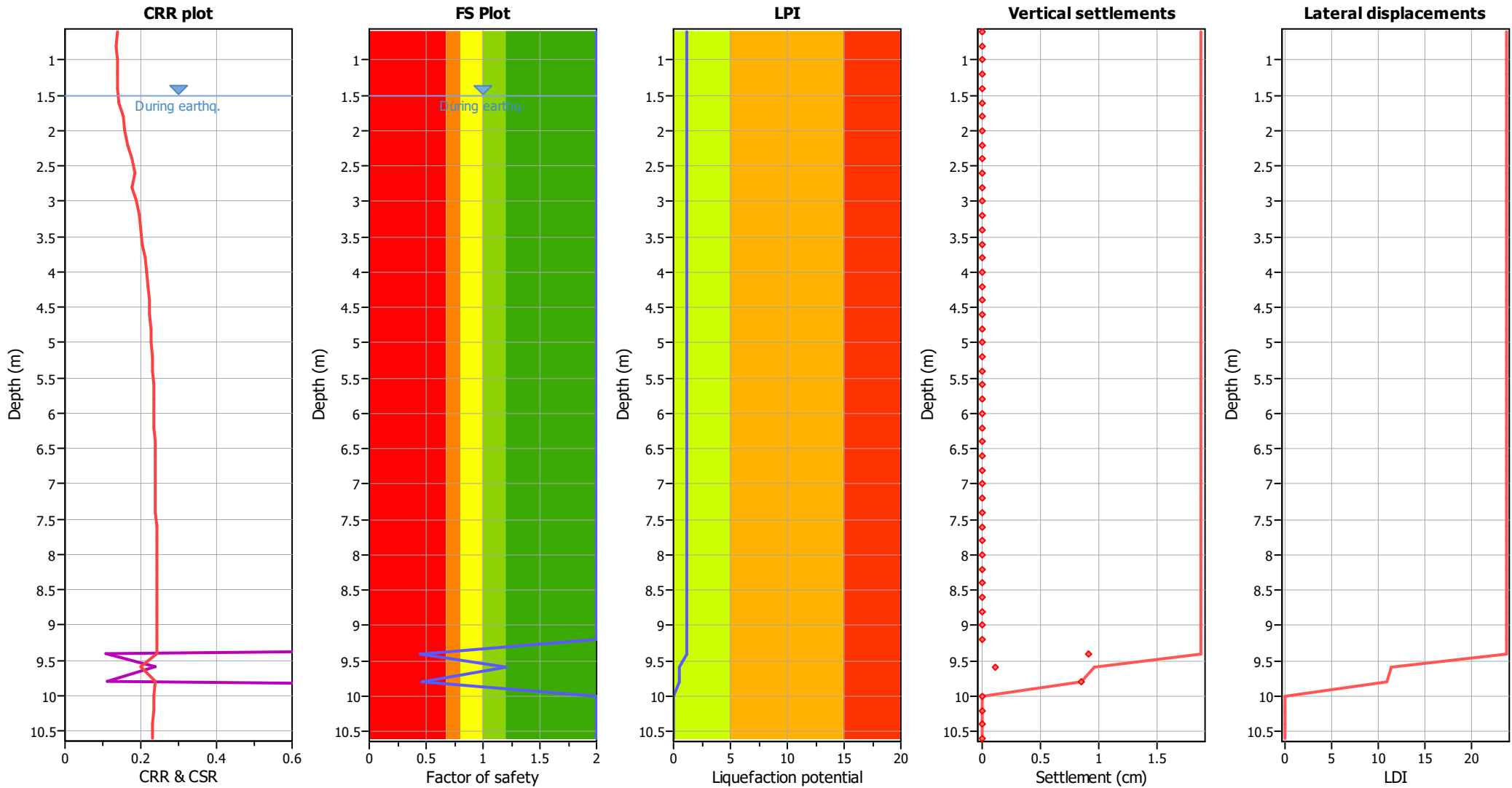
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	0.44	0.56	5.30	0.20	0.59	9.60	1.21	0.00	5.20	0.20	0.00
9.80	0.47	0.53	5.10	0.20	0.54	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00						

Overall liquefaction potential: 1.13

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

:: 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)
1.60	16.78	2.00	0.00	1.00	0.00	1.80	15.10	2.00	0.00	1.00	0.00
2.00	30.20	2.00	0.00	1.00	0.00	2.20	26.23	2.00	0.00	1.00	0.00
2.40	14.56	2.00	0.00	1.00	0.00	2.60	11.12	2.00	0.00	1.00	0.00
2.80	32.42	2.00	0.00	1.00	0.00	3.00	20.89	2.00	0.00	1.00	0.00
3.20	13.41	2.00	0.00	1.00	0.00	3.40	13.20	2.00	0.00	1.00	0.00
3.60	19.89	2.00	0.00	1.00	0.00	3.80	8.62	2.00	0.00	1.00	0.00
4.00	7.11	2.00	0.00	1.00	0.00	4.20	7.01	2.00	0.00	1.00	0.00
4.40	8.28	2.00	0.00	1.00	0.00	4.60	8.17	2.00	0.00	1.00	0.00
4.80	10.69	2.00	0.00	1.00	0.00	5.00	14.40	2.00	0.00	1.00	0.00
5.20	12.95	2.00	0.00	1.00	0.00	5.40	12.79	2.00	0.00	1.00	0.00
5.60	11.39	2.00	0.00	1.00	0.00	5.80	13.70	2.00	0.00	1.00	0.00
6.00	14.74	2.00	0.00	1.00	0.00	6.20	16.93	2.00	0.00	1.00	0.00
6.40	14.39	2.00	0.00	1.00	0.00	6.60	16.54	2.00	0.00	1.00	0.00
6.80	14.05	2.00	0.00	1.00	0.00	7.00	16.17	2.00	0.00	1.00	0.00
7.20	15.99	2.00	0.00	1.00	0.00	7.40	14.70	2.00	0.00	1.00	0.00
7.60	14.55	2.00	0.00	1.00	0.00	7.80	13.31	2.00	0.00	1.00	0.00
8.00	16.43	2.00	0.00	1.00	0.00	8.20	16.27	2.00	0.00	1.00	0.00
8.40	13.98	2.00	0.00	1.00	0.00	8.60	13.86	2.00	0.00	1.00	0.00
8.80	14.78	2.00	0.00	1.00	0.00	9.00	16.72	2.00	0.00	1.00	0.00
9.20	13.48	2.00	0.00	1.00	0.00	9.40	70.33	0.44	4.53	1.00	0.91
9.60	140.99	1.21	0.58	1.00	0.12	9.80	75.46	0.47	4.24	1.00	0.85
10.00	21.88	2.00	0.00	1.00	0.00	10.20	22.65	2.00	0.00	1.00	0.00
10.40	31.24	2.00	0.00	1.00	0.00	10.60	90.61	2.00	0.00	1.00	0.00

Total estimated settlement: 1.87

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

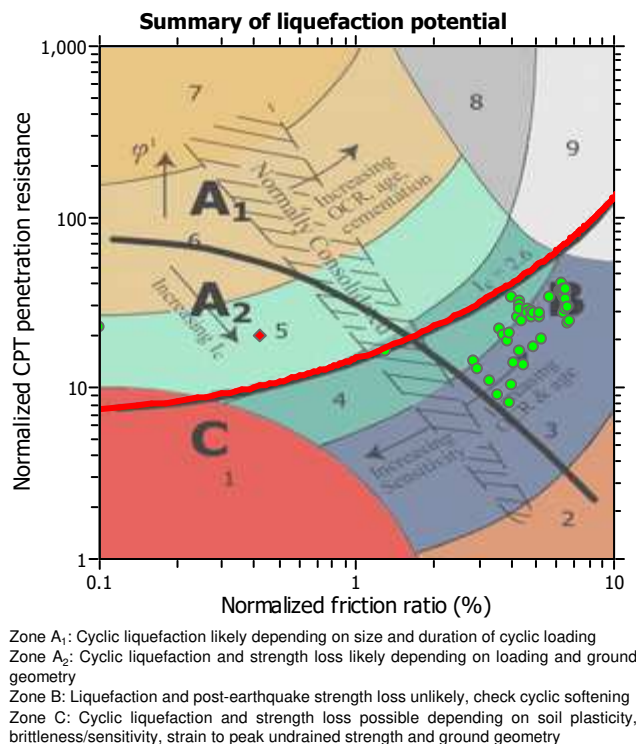
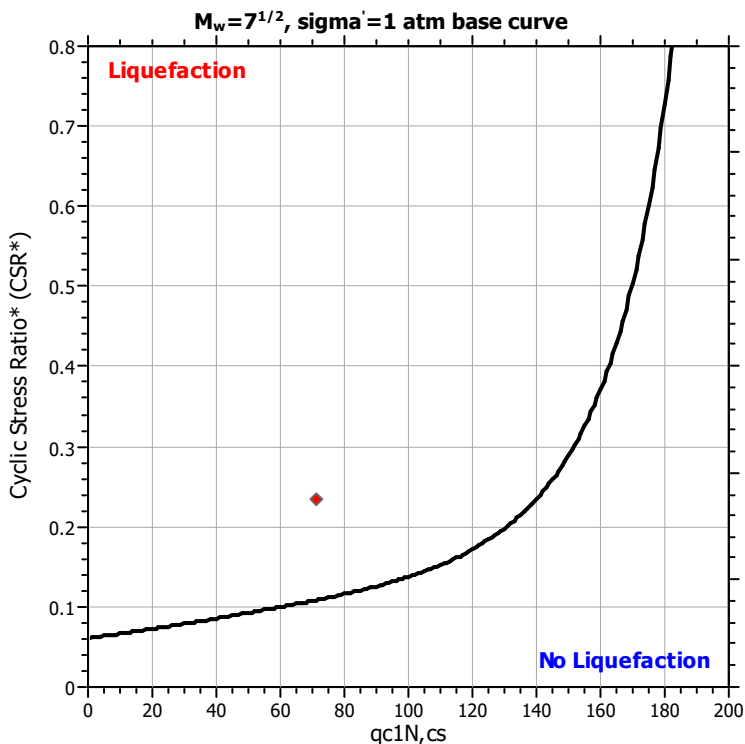
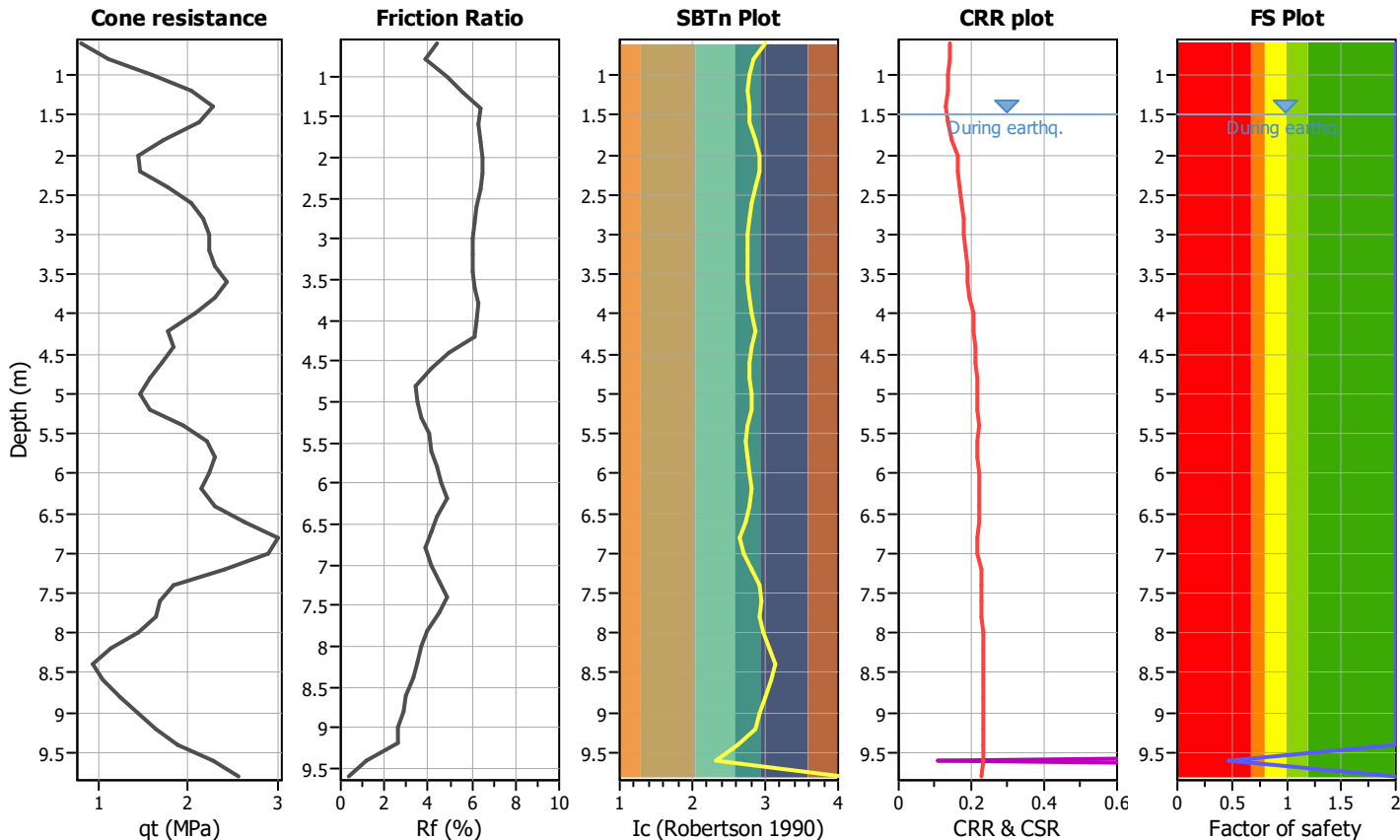
Project title :

Location :

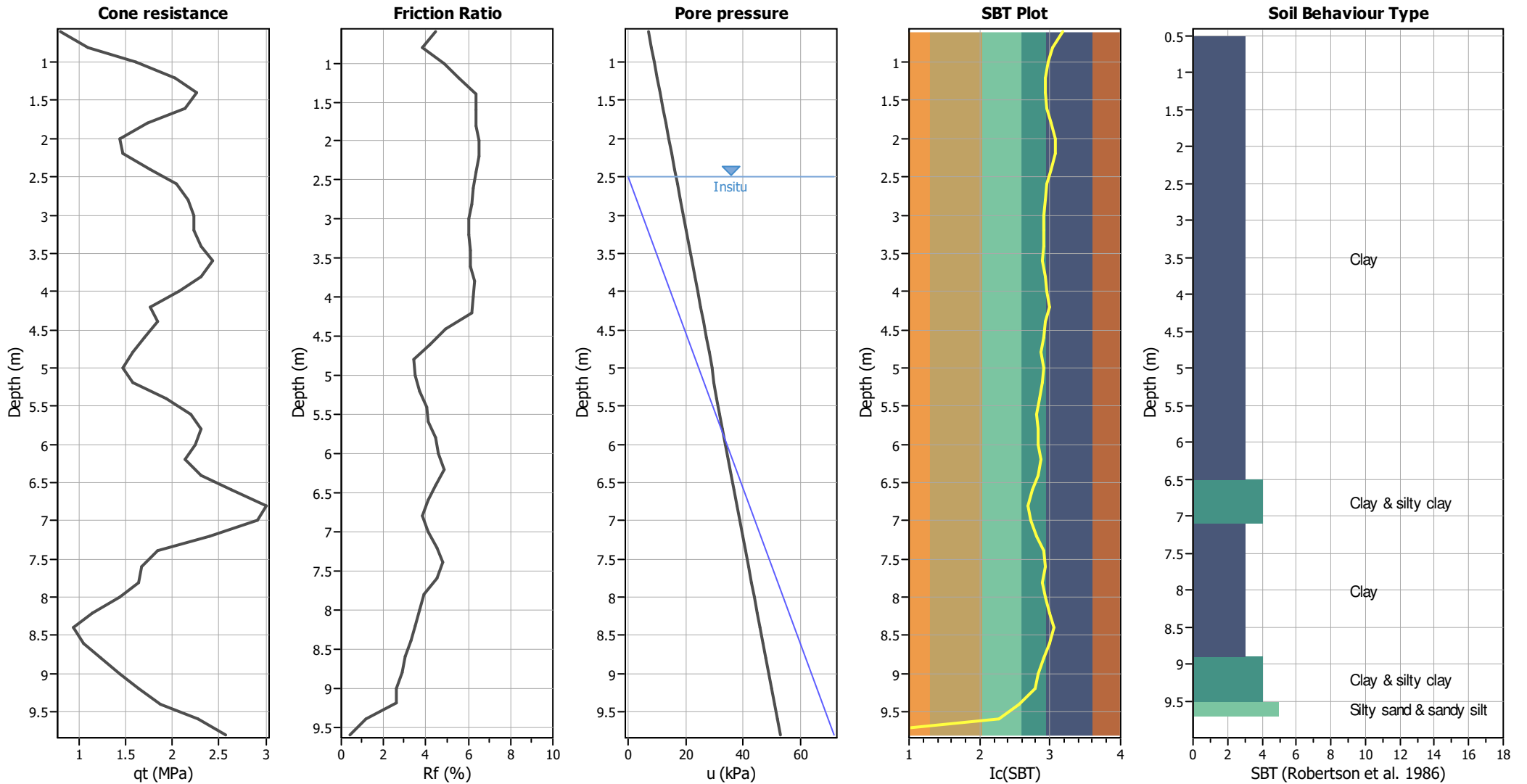
CPT file : P116_CPT107

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes	MSF method:	Method



CPT basic interpretation plots



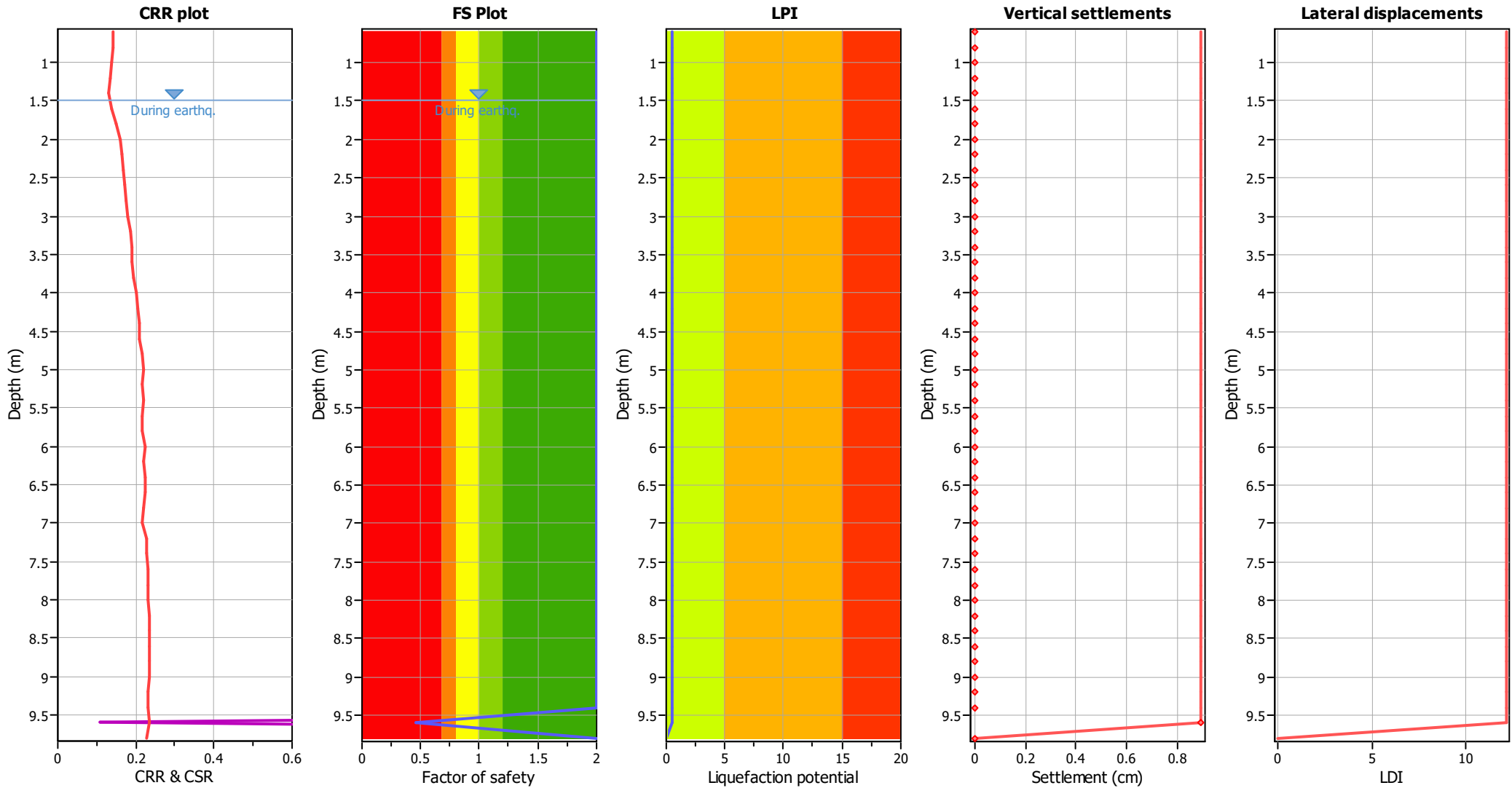
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 m	Fill weight:	N/A
Fines correction method:	B&I (2014)	Average results interval:	3	Transition detect. applied:	No
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_f applied:	Yes
Earthquake magnitude M_w :	6.14	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	0.46	0.54	5.20	0.20	0.56
9.80	2.00	0.00	5.10	0.20	0.00						

Overall liquefaction potential: 0.56

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

:: 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)
1.60	38.59	2.00	0.00	1.00	0.00	1.80	30.20	2.00	0.00	1.00	0.00
2.00	18.46	2.00	0.00	1.00	0.00	2.20	22.85	2.00	0.00	1.00	0.00
2.40	29.08	2.00	0.00	1.00	0.00	2.60	29.63	2.00	0.00	1.00	0.00
2.80	31.80	2.00	0.00	1.00	0.00	3.00	32.57	2.00	0.00	1.00	0.00
3.20	30.71	2.00	0.00	1.00	0.00	3.40	30.19	2.00	0.00	1.00	0.00
3.60	33.53	2.00	0.00	1.00	0.00	3.80	34.23	2.00	0.00	1.00	0.00
4.00	23.73	2.00	0.00	1.00	0.00	4.20	23.36	2.00	0.00	1.00	0.00
4.40	21.81	2.00	0.00	1.00	0.00	4.60	25.17	2.00	0.00	1.00	0.00
4.80	17.59	2.00	0.00	1.00	0.00	5.00	16.15	2.00	0.00	1.00	0.00
5.20	20.71	2.00	0.00	1.00	0.00	5.40	20.45	2.00	0.00	1.00	0.00
5.60	28.25	2.00	0.00	1.00	0.00	5.80	29.03	2.00	0.00	1.00	0.00
6.00	23.07	2.00	0.00	1.00	0.00	6.20	25.01	2.00	0.00	1.00	0.00
6.40	24.73	2.00	0.00	1.00	0.00	6.60	27.72	2.00	0.00	1.00	0.00
6.80	34.93	2.00	0.00	1.00	0.00	7.00	35.61	2.00	0.00	1.00	0.00
7.20	23.62	2.00	0.00	1.00	0.00	7.40	18.10	2.00	0.00	1.00	0.00
7.60	16.87	2.00	0.00	1.00	0.00	7.80	17.74	2.00	0.00	1.00	0.00
8.00	16.54	2.00	0.00	1.00	0.00	8.20	10.26	2.00	0.00	1.00	0.00
8.40	8.14	2.00	0.00	1.00	0.00	8.60	10.09	2.00	0.00	1.00	0.00
8.80	13.00	2.00	0.00	1.00	0.00	9.00	13.88	2.00	0.00	1.00	0.00
9.20	15.73	2.00	0.00	1.00	0.00	9.40	18.53	2.00	0.00	1.00	0.00
9.60	71.29	0.46	4.47	1.00	0.89	9.80	26.85	2.00	0.00	1.00	0.00

Total estimated settlement: 0.89

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

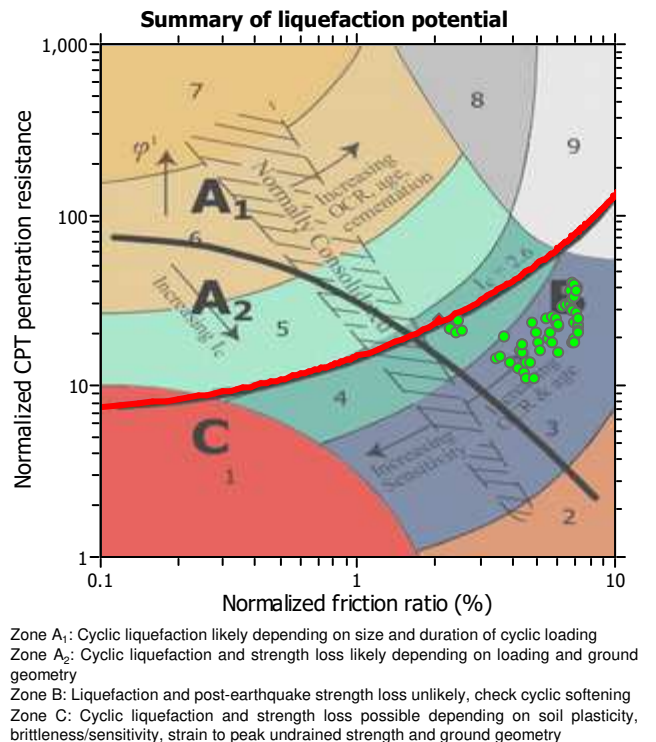
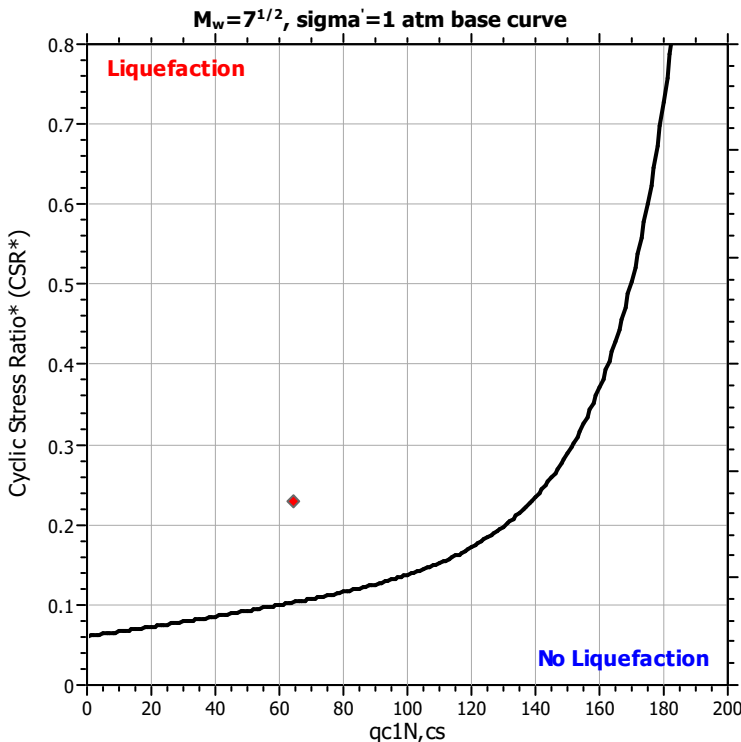
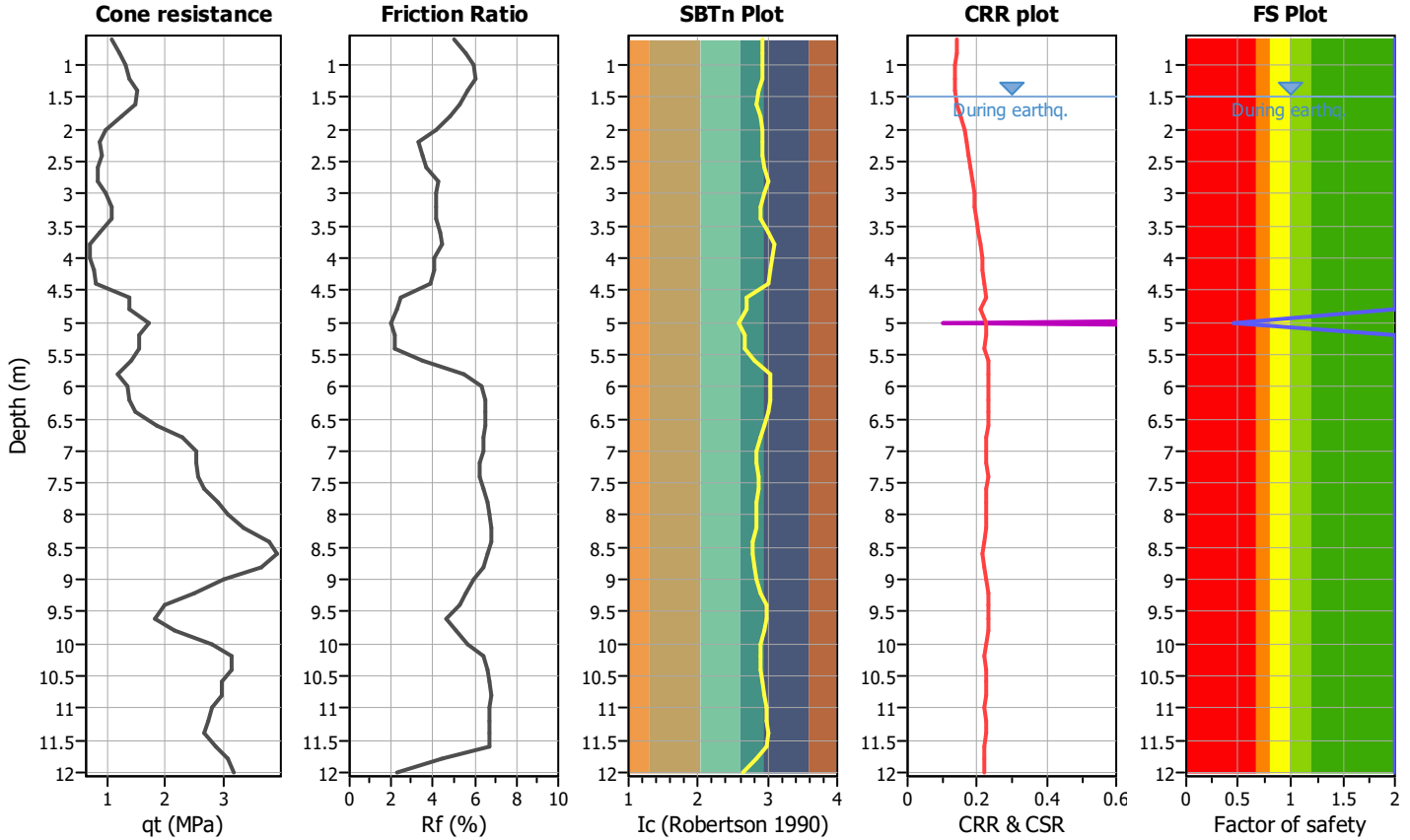
Project title :

Location :

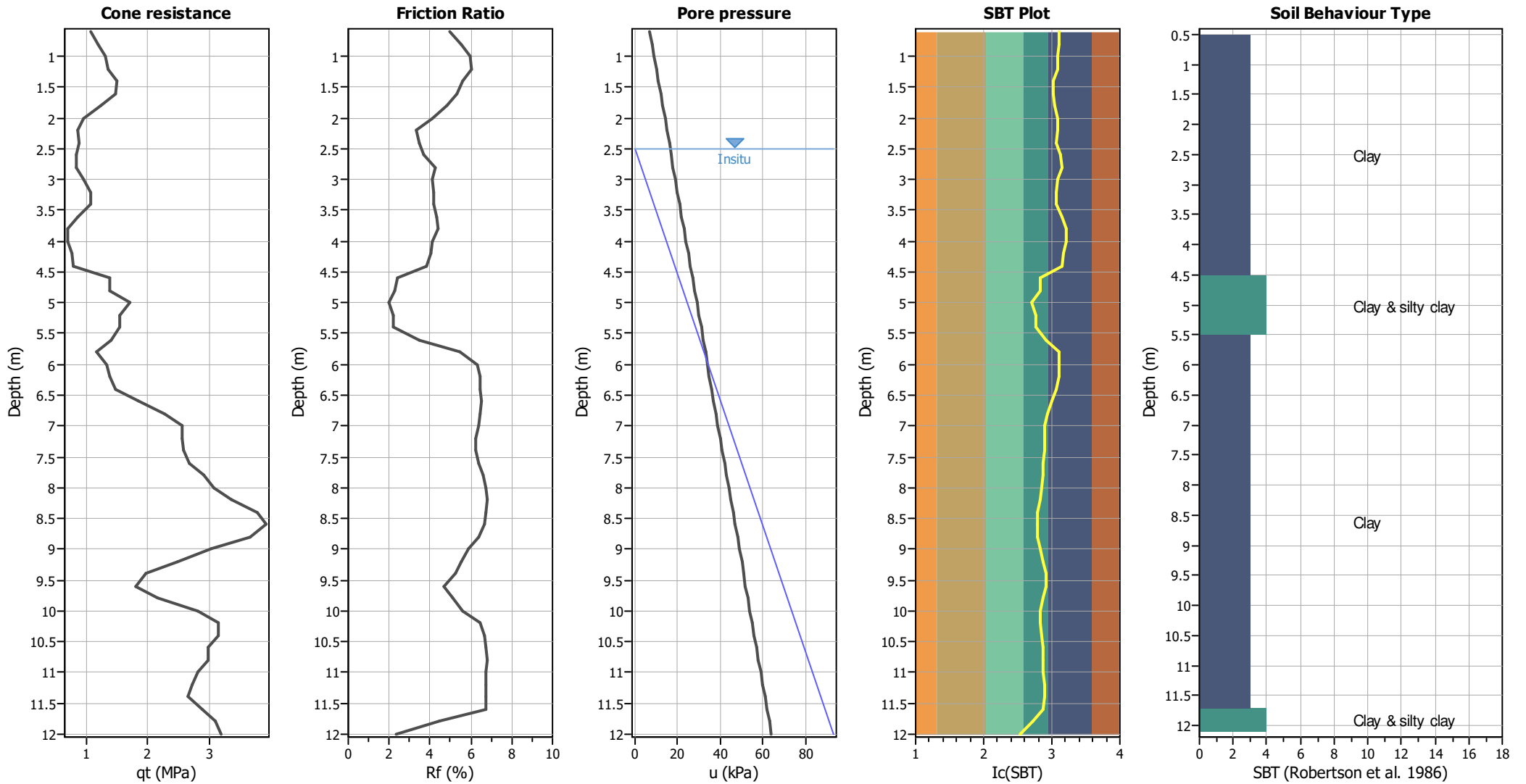
CPT file : P118_CPT109

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_G applied:	Yes	MSF method:	Method



CPT basic interpretation plots



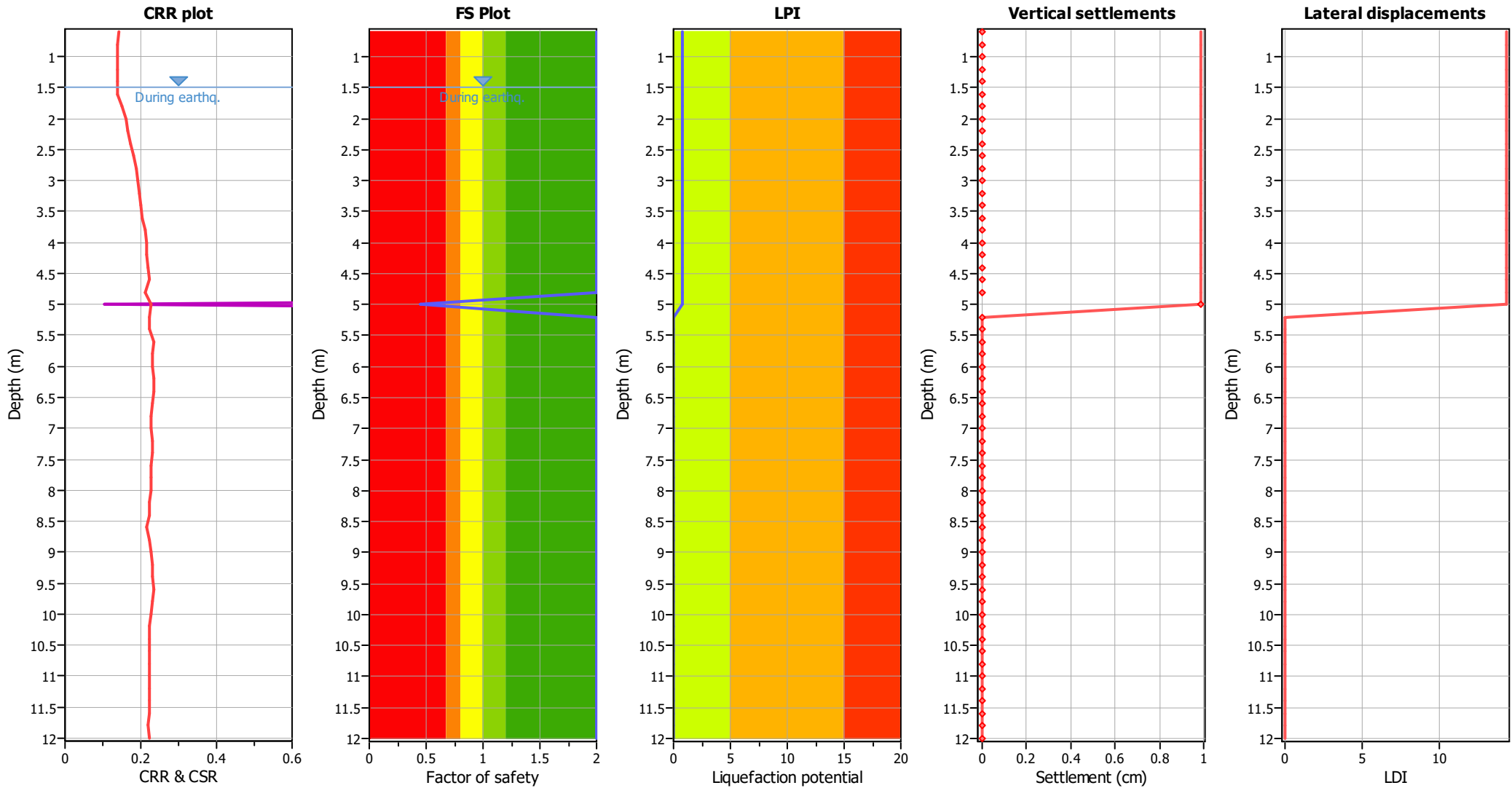
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	0.45	0.55	7.50	0.20	0.82	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00	10.00	2.00	0.00	5.00	0.20	0.00
10.20	2.00	0.00	4.90	0.20	0.00	10.40	2.00	0.00	4.80	0.20	0.00
10.60	2.00	0.00	4.70	0.20	0.00	10.80	2.00	0.00	4.60	0.20	0.00
11.00	2.00	0.00	4.50	0.20	0.00	11.20	2.00	0.00	4.40	0.20	0.00
11.40	2.00	0.00	4.30	0.20	0.00	11.60	2.00	0.00	4.20	0.20	0.00
11.80	2.00	0.00	4.10	0.20	0.00	12.00	2.00	0.00	4.00	0.20	0.00

Overall liquefaction potential: 0.82

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

:: 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)
1.60	30.20	2.00	0.00	1.00	0.00	1.80	20.13	2.00	0.00	1.00	0.00
2.00	11.74	2.00	0.00	1.00	0.00	2.20	16.78	2.00	0.00	1.00	0.00
2.40	14.54	2.00	0.00	1.00	0.00	2.60	12.60	2.00	0.00	1.00	0.00
2.80	12.38	2.00	0.00	1.00	0.00	3.00	13.63	2.00	0.00	1.00	0.00
3.20	17.67	2.00	0.00	1.00	0.00	3.40	16.00	2.00	0.00	1.00	0.00
3.60	12.97	2.00	0.00	1.00	0.00	3.80	8.61	2.00	0.00	1.00	0.00
4.00	8.48	2.00	0.00	1.00	0.00	4.20	12.43	2.00	0.00	1.00	0.00
4.40	10.92	2.00	0.00	1.00	0.00	4.60	9.48	2.00	0.00	1.00	0.00
4.80	33.31	2.00	0.00	1.00	0.00	5.00	64.20	0.45	4.93	1.00	0.99
5.20	21.63	2.00	0.00	1.00	0.00	5.40	26.21	2.00	0.00	1.00	0.00
5.60	10.08	2.00	0.00	1.00	0.00	5.80	16.00	2.00	0.00	1.00	0.00
6.00	16.97	2.00	0.00	1.00	0.00	6.20	15.58	2.00	0.00	1.00	0.00
6.40	16.54	2.00	0.00	1.00	0.00	6.60	19.75	2.00	0.00	1.00	0.00
6.80	27.34	2.00	0.00	1.00	0.00	7.00	30.30	2.00	0.00	1.00	0.00
7.20	27.77	2.00	0.00	1.00	0.00	7.40	26.37	2.00	0.00	1.00	0.00
7.60	30.33	2.00	0.00	1.00	0.00	7.80	29.99	2.00	0.00	1.00	0.00
8.00	32.78	2.00	0.00	1.00	0.00	8.20	34.49	2.00	0.00	1.00	0.00
8.40	37.19	2.00	0.00	1.00	0.00	8.60	44.90	2.00	0.00	1.00	0.00
8.80	37.42	2.00	0.00	1.00	0.00	9.00	28.07	2.00	0.00	1.00	0.00
9.20	24.82	2.00	0.00	1.00	0.00	9.40	20.66	2.00	0.00	1.00	0.00
9.60	12.67	2.00	0.00	1.00	0.00	9.80	19.31	2.00	0.00	1.00	0.00
10.00	29.70	2.00	0.00	1.00	0.00	10.20	31.34	2.00	0.00	1.00	0.00
10.40	28.21	2.00	0.00	1.00	0.00	10.60	28.90	2.00	0.00	1.00	0.00
10.80	25.84	2.00	0.00	1.00	0.00	11.00	27.47	2.00	0.00	1.00	0.00
11.20	23.56	2.00	0.00	1.00	0.00	11.40	22.45	2.00	0.00	1.00	0.00
11.60	24.97	2.00	0.00	1.00	0.00	11.80	29.26	2.00	0.00	1.00	0.00
12.00	27.23	2.00	0.00	1.00	0.00						

Total estimated settlement: 0.99

Abbreviations

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

LIQUEFACTION ANALYSIS REPORT

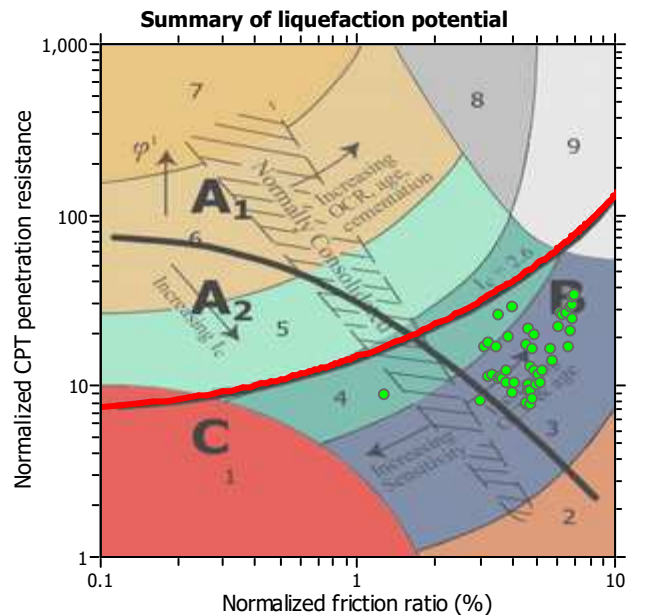
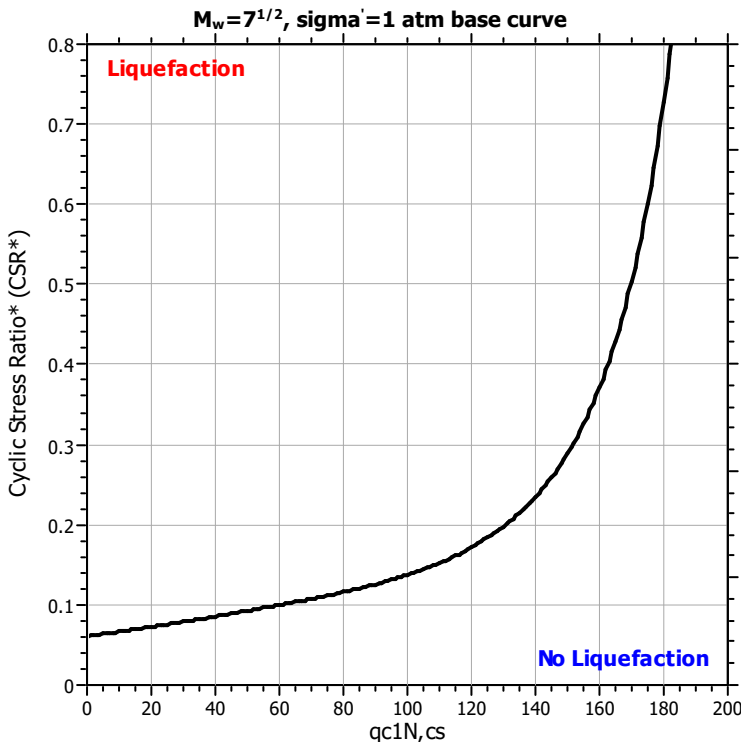
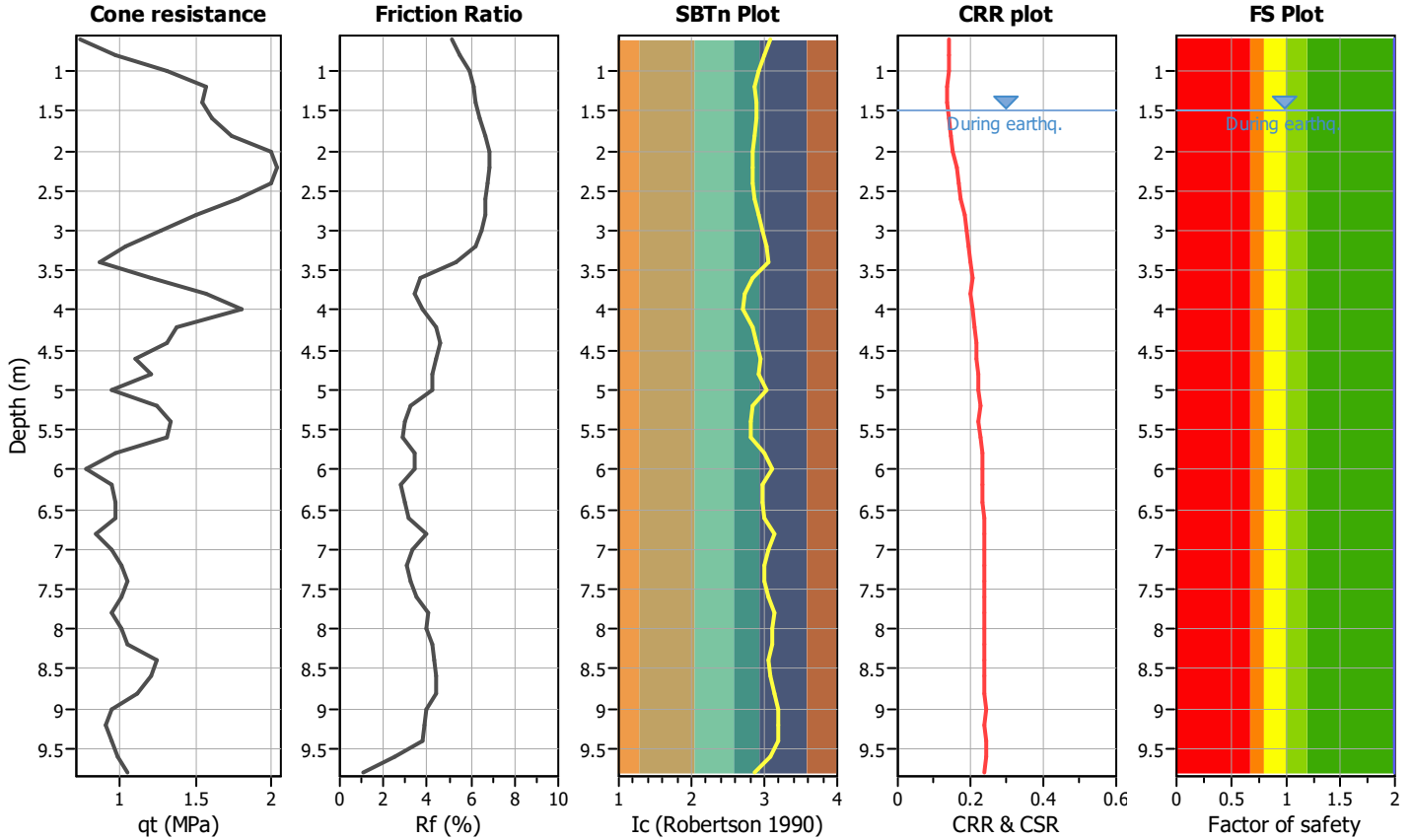
Project title :

Location :

CPT file : P119_CPT110

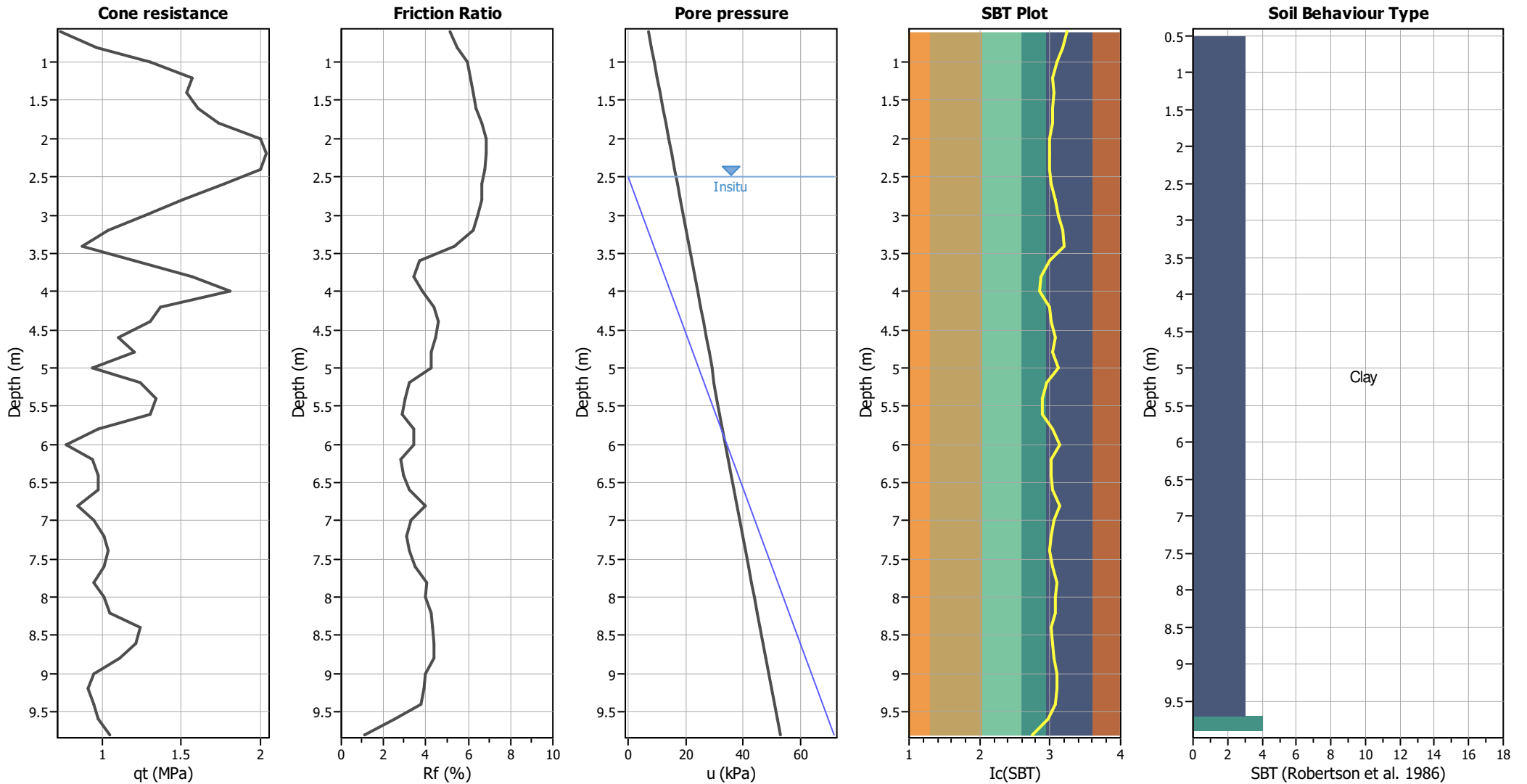
Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	Yes
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	10.00 m
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		



Zone A₁: Cyclic liquefaction likely depending on size and duration of cyclic loading
 Zone A₂: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
 Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
 Zone C: Cyclic liquefaction and strength loss possible depending on soil plasticity, brittleness/sensitivity, strain to peak undrained strength and ground geometry

CPT basic interpretation plots



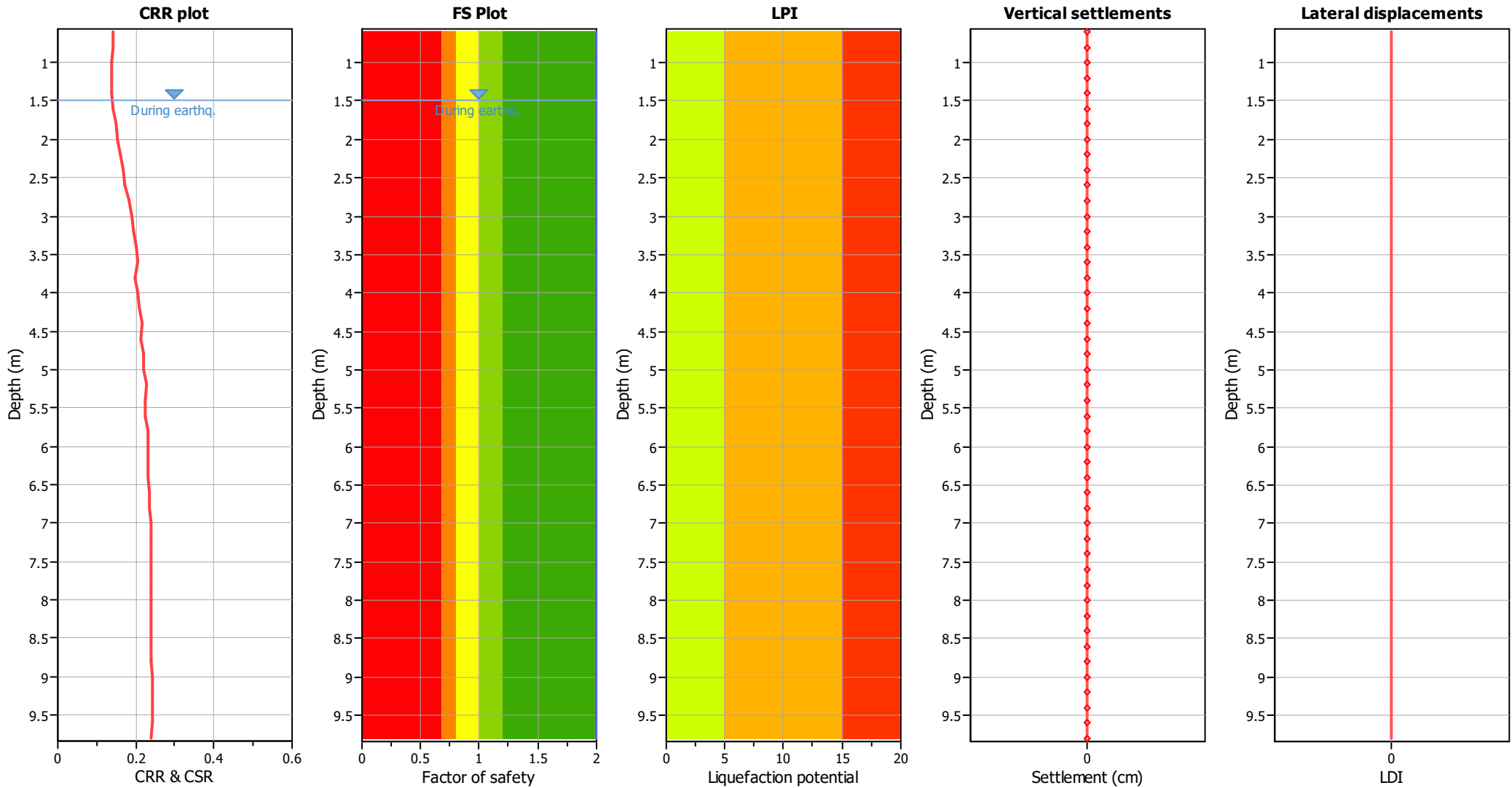
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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 (earthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.60	2.00	0.00	9.70	0.20	0.00	0.80	2.00	0.00	9.60	0.20	0.00
1.00	2.00	0.00	9.50	0.20	0.00	1.20	2.00	0.00	9.40	0.20	0.00
1.40	2.00	0.00	9.30	0.20	0.00	1.60	2.00	0.00	9.20	0.20	0.00
1.80	2.00	0.00	9.10	0.20	0.00	2.00	2.00	0.00	9.00	0.20	0.00
2.20	2.00	0.00	8.90	0.20	0.00	2.40	2.00	0.00	8.80	0.20	0.00
2.60	2.00	0.00	8.70	0.20	0.00	2.80	2.00	0.00	8.60	0.20	0.00
3.00	2.00	0.00	8.50	0.20	0.00	3.20	2.00	0.00	8.40	0.20	0.00
3.40	2.00	0.00	8.30	0.20	0.00	3.60	2.00	0.00	8.20	0.20	0.00
3.80	2.00	0.00	8.10	0.20	0.00	4.00	2.00	0.00	8.00	0.20	0.00
4.20	2.00	0.00	7.90	0.20	0.00	4.40	2.00	0.00	7.80	0.20	0.00
4.60	2.00	0.00	7.70	0.20	0.00	4.80	2.00	0.00	7.60	0.20	0.00
5.00	2.00	0.00	7.50	0.20	0.00	5.20	2.00	0.00	7.40	0.20	0.00
5.40	2.00	0.00	7.30	0.20	0.00	5.60	2.00	0.00	7.20	0.20	0.00
5.80	2.00	0.00	7.10	0.20	0.00	6.00	2.00	0.00	7.00	0.20	0.00
6.20	2.00	0.00	6.90	0.20	0.00	6.40	2.00	0.00	6.80	0.20	0.00
6.60	2.00	0.00	6.70	0.20	0.00	6.80	2.00	0.00	6.60	0.20	0.00
7.00	2.00	0.00	6.50	0.20	0.00	7.20	2.00	0.00	6.40	0.20	0.00
7.40	2.00	0.00	6.30	0.20	0.00	7.60	2.00	0.00	6.20	0.20	0.00
7.80	2.00	0.00	6.10	0.20	0.00	8.00	2.00	0.00	6.00	0.20	0.00
8.20	2.00	0.00	5.90	0.20	0.00	8.40	2.00	0.00	5.80	0.20	0.00
8.60	2.00	0.00	5.70	0.20	0.00	8.80	2.00	0.00	5.60	0.20	0.00
9.00	2.00	0.00	5.50	0.20	0.00	9.20	2.00	0.00	5.40	0.20	0.00
9.40	2.00	0.00	5.30	0.20	0.00	9.60	2.00	0.00	5.20	0.20	0.00
9.80	2.00	0.00	5.10	0.20	0.00						

Overall liquefaction potential: 0.00

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

:: 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)
1.60	21.81	2.00	0.00	1.00	0.00	1.80	31.88	2.00	0.00	1.00	0.00
2.00	33.36	2.00	0.00	1.00	0.00	2.20	33.30	2.00	0.00	1.00	0.00
2.40	30.49	2.00	0.00	1.00	0.00	2.60	28.20	2.00	0.00	1.00	0.00
2.80	20.75	2.00	0.00	1.00	0.00	3.00	17.58	2.00	0.00	1.00	0.00
3.20	17.29	2.00	0.00	1.00	0.00	3.40	10.10	2.00	0.00	1.00	0.00
3.60	9.95	2.00	0.00	1.00	0.00	3.80	29.59	2.00	0.00	1.00	0.00
4.00	24.08	2.00	0.00	1.00	0.00	4.20	18.61	2.00	0.00	1.00	0.00
4.40	11.93	2.00	0.00	1.00	0.00	4.60	20.58	2.00	0.00	1.00	0.00
4.80	10.33	2.00	0.00	1.00	0.00	5.00	15.17	2.00	0.00	1.00	0.00
5.20	10.07	2.00	0.00	1.00	0.00	5.40	20.81	2.00	0.00	1.00	0.00
5.60	18.21	2.00	0.00	1.00	0.00	5.80	8.50	2.00	0.00	1.00	0.00
6.00	8.41	2.00	0.00	1.00	0.00	6.20	10.66	2.00	0.00	1.00	0.00
6.40	14.00	2.00	0.00	1.00	0.00	6.60	9.28	2.00	0.00	1.00	0.00
6.80	10.32	2.00	0.00	1.00	0.00	7.00	9.09	2.00	0.00	1.00	0.00
7.20	12.33	2.00	0.00	1.00	0.00	7.40	12.21	2.00	0.00	1.00	0.00
7.60	9.91	2.00	0.00	1.00	0.00	7.80	10.89	2.00	0.00	1.00	0.00
8.00	9.71	2.00	0.00	1.00	0.00	8.20	11.74	2.00	0.00	1.00	0.00
8.40	11.62	2.00	0.00	1.00	0.00	8.60	15.67	2.00	0.00	1.00	0.00
8.80	10.36	2.00	0.00	1.00	0.00	9.00	8.22	2.00	0.00	1.00	0.00
9.20	10.18	2.00	0.00	1.00	0.00	9.40	9.08	2.00	0.00	1.00	0.00
9.60	9.01	2.00	0.00	1.00	0.00	9.80	10.94	2.00	0.00	1.00	0.00

Total estimated settlement: 0.00

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

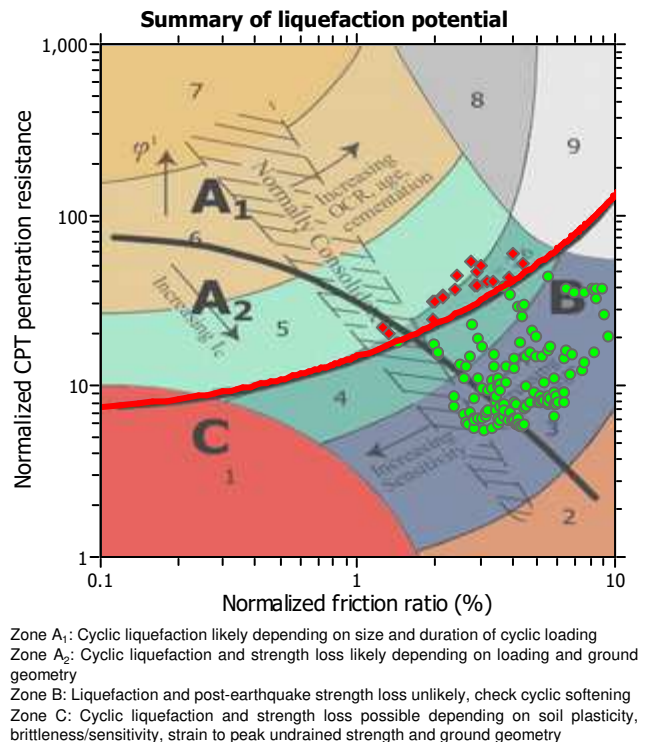
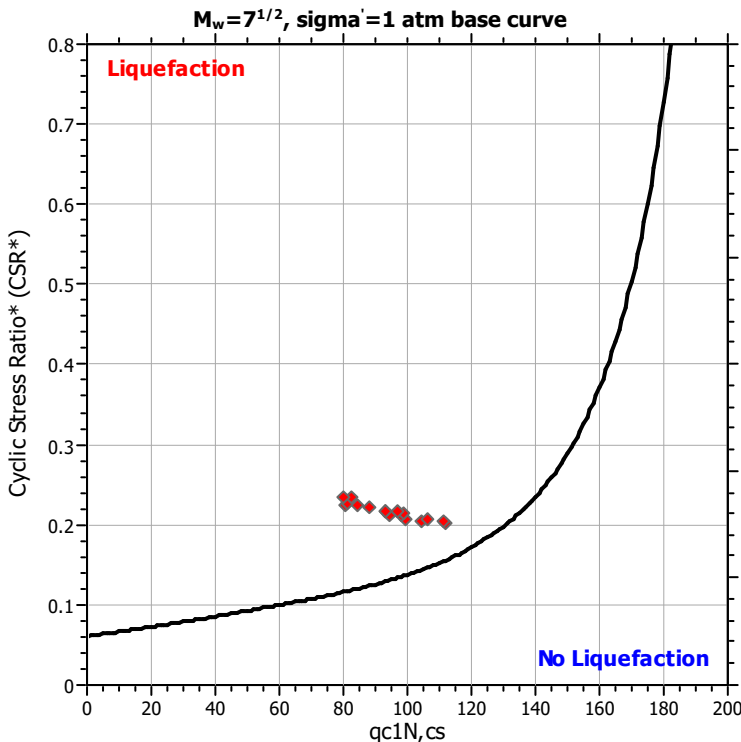
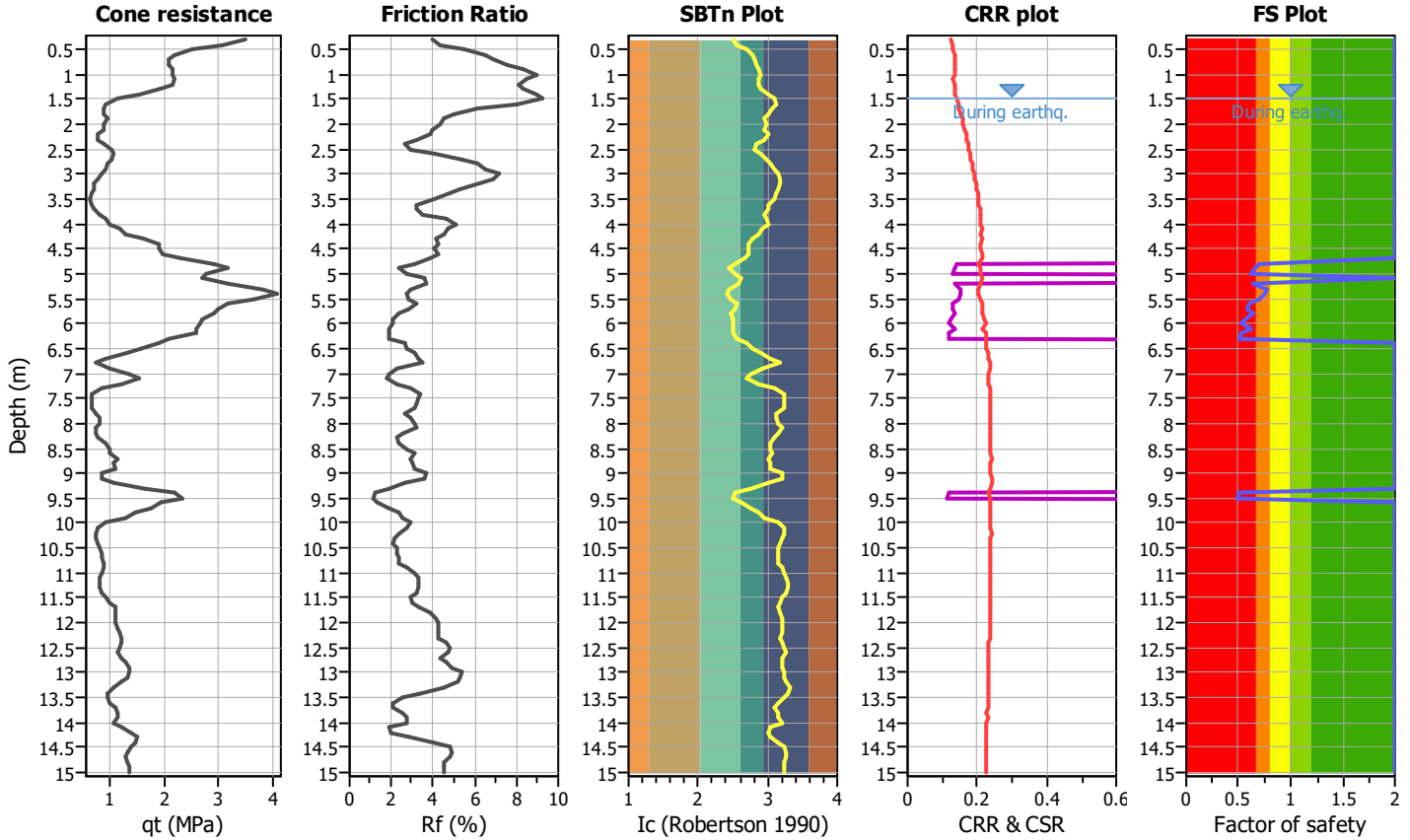
Project title :

Location :

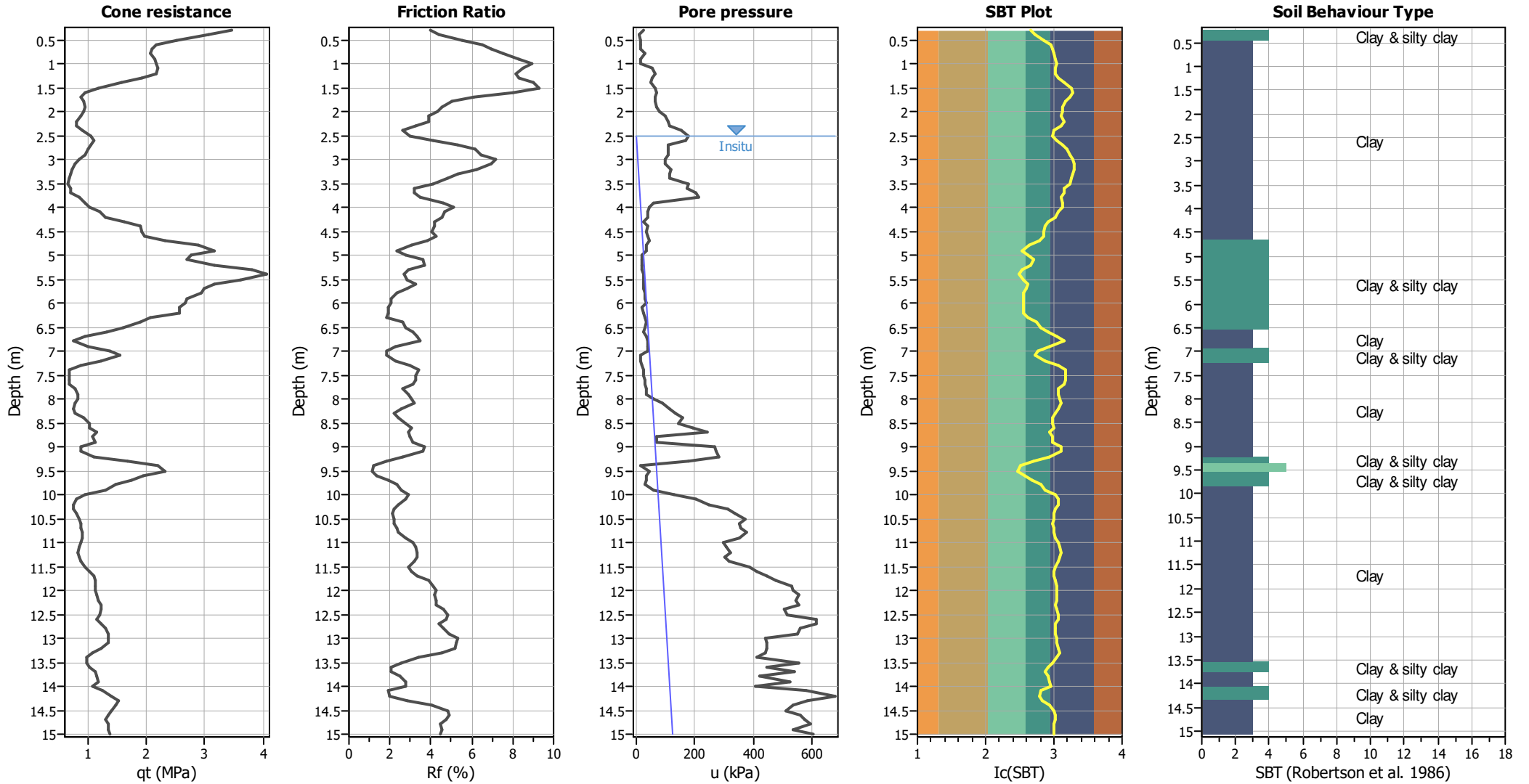
CPT file : P107_CPTU98

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.50 m	Use fill:	No	Clay like behavior	
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	applied:	Sands only
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth applied:	Yes
Earthquake magnitude M_w :	6.14	Ic cut-off value:	2.60	Trans. detect. applied:	No	Limit depth:	10.00 m
Peak ground acceleration:	0.26	Unit weight calculation:	Based on SBT	K_g applied:	Yes	MSF method:	Method



CPT basic interpretation plots



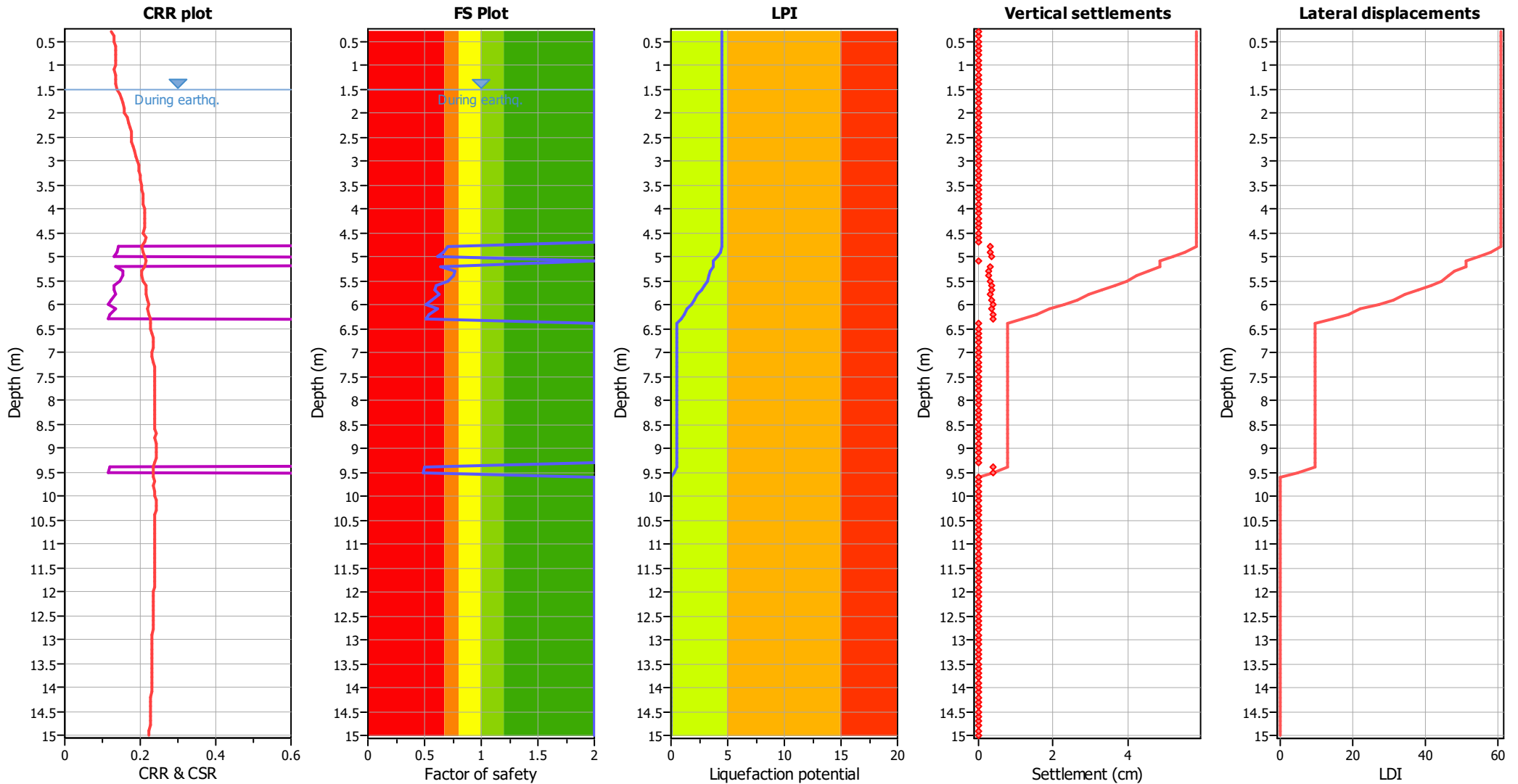
Input parameters and analysis data

Analysis method:	B&I (2014)	Depth to GWT (erthq.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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.):	1.50 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:	0.26	Use fill:	No	Limit depth applied:	Yes
Depth to water table (insitu):	2.50 m	Fill height:	N/A	Limit depth:	10.00 m

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
0.30	2.00	0.00	9.85	0.10	0.00	0.40	2.00	0.00	9.80	0.10	0.00
0.50	2.00	0.00	9.75	0.10	0.00	0.60	2.00	0.00	9.70	0.10	0.00
0.70	2.00	0.00	9.65	0.10	0.00	0.80	2.00	0.00	9.60	0.10	0.00
0.90	2.00	0.00	9.55	0.10	0.00	1.00	2.00	0.00	9.50	0.10	0.00
1.10	2.00	0.00	9.45	0.10	0.00	1.20	2.00	0.00	9.40	0.10	0.00
1.30	2.00	0.00	9.35	0.10	0.00	1.40	2.00	0.00	9.30	0.10	0.00
1.50	2.00	0.00	9.25	0.10	0.00	1.60	2.00	0.00	9.20	0.10	0.00
1.70	2.00	0.00	9.15	0.10	0.00	1.80	2.00	0.00	9.10	0.10	0.00
1.90	2.00	0.00	9.05	0.10	0.00	2.00	2.00	0.00	9.00	0.10	0.00
2.10	2.00	0.00	8.95	0.10	0.00	2.20	2.00	0.00	8.90	0.10	0.00
2.30	2.00	0.00	8.85	0.10	0.00	2.40	2.00	0.00	8.80	0.10	0.00
2.50	2.00	0.00	8.75	0.10	0.00	2.60	2.00	0.00	8.70	0.10	0.00
2.70	2.00	0.00	8.65	0.10	0.00	2.80	2.00	0.00	8.60	0.10	0.00
2.90	2.00	0.00	8.55	0.10	0.00	3.00	2.00	0.00	8.50	0.10	0.00
3.10	2.00	0.00	8.45	0.10	0.00	3.20	2.00	0.00	8.40	0.10	0.00
3.30	2.00	0.00	8.35	0.10	0.00	3.40	2.00	0.00	8.30	0.10	0.00
3.50	2.00	0.00	8.25	0.10	0.00	3.60	2.00	0.00	8.20	0.10	0.00
3.70	2.00	0.00	8.15	0.10	0.00	3.80	2.00	0.00	8.10	0.10	0.00
3.90	2.00	0.00	8.05	0.10	0.00	4.00	2.00	0.00	8.00	0.10	0.00
4.10	2.00	0.00	7.95	0.10	0.00	4.20	2.00	0.00	7.90	0.10	0.00
4.30	2.00	0.00	7.85	0.10	0.00	4.40	2.00	0.00	7.80	0.10	0.00
4.50	2.00	0.00	7.75	0.10	0.00	4.60	2.00	0.00	7.70	0.10	0.00
4.70	2.00	0.00	7.65	0.10	0.00	4.80	0.70	0.30	7.60	0.10	0.23
4.90	0.66	0.34	7.55	0.10	0.26	5.00	0.62	0.38	7.50	0.10	0.29
5.10	2.00	0.00	7.45	0.10	0.00	5.20	0.64	0.36	7.40	0.10	0.26
5.30	0.77	0.23	7.35	0.10	0.17	5.40	0.76	0.24	7.30	0.10	0.18
5.50	0.70	0.30	7.25	0.10	0.22	5.60	0.60	0.40	7.20	0.10	0.29
5.70	0.59	0.41	7.15	0.10	0.29	5.80	0.63	0.37	7.10	0.10	0.26
5.90	0.56	0.44	7.05	0.10	0.31	6.00	0.52	0.48	7.00	0.10	0.34
6.10	0.61	0.39	6.95	0.10	0.27	6.20	0.53	0.47	6.90	0.10	0.32
6.30	0.52	0.48	6.85	0.10	0.33	6.40	2.00	0.00	6.80	0.10	0.00
6.50	2.00	0.00	6.75	0.10	0.00	6.60	2.00	0.00	6.70	0.10	0.00
6.70	2.00	0.00	6.65	0.10	0.00	6.80	2.00	0.00	6.60	0.10	0.00
6.90	2.00	0.00	6.55	0.10	0.00	7.00	2.00	0.00	6.50	0.10	0.00
7.10	2.00	0.00	6.45	0.10	0.00	7.20	2.00	0.00	6.40	0.10	0.00
7.30	2.00	0.00	6.35	0.10	0.00	7.40	2.00	0.00	6.30	0.10	0.00
7.50	2.00	0.00	6.25	0.10	0.00	7.60	2.00	0.00	6.20	0.10	0.00
7.70	2.00	0.00	6.15	0.10	0.00	7.80	2.00	0.00	6.10	0.10	0.00
7.90	2.00	0.00	6.05	0.10	0.00	8.00	2.00	0.00	6.00	0.10	0.00
8.10	2.00	0.00	5.95	0.10	0.00	8.20	2.00	0.00	5.90	0.10	0.00
8.30	2.00	0.00	5.85	0.10	0.00	8.40	2.00	0.00	5.80	0.10	0.00
8.50	2.00	0.00	5.75	0.10	0.00	8.60	2.00	0.00	5.70	0.10	0.00
8.70	2.00	0.00	5.65	0.10	0.00	8.80	2.00	0.00	5.60	0.10	0.00
8.90	2.00	0.00	5.55	0.10	0.00	9.00	2.00	0.00	5.50	0.10	0.00
9.10	2.00	0.00	5.45	0.10	0.00	9.20	2.00	0.00	5.40	0.10	0.00
9.30	2.00	0.00	5.35	0.10	0.00	9.40	0.51	0.49	5.30	0.10	0.26
9.50	0.49	0.51	5.25	0.10	0.27	9.60	2.00	0.00	5.20	0.10	0.00
9.70	2.00	0.00	5.15	0.10	0.00	9.80	2.00	0.00	5.10	0.10	0.00

:: Liquefaction Potential Index calculation data :: (continued)											
Depth (m)	FS	F _L	w _z	d _z	LPI	Depth (m)	FS	F _L	w _z	d _z	LPI
9.90	2.00	0.00	5.05	0.10	0.00	10.00	2.00	0.00	5.00	0.10	0.00
10.10	2.00	0.00	4.95	0.10	0.00	10.20	2.00	0.00	4.90	0.10	0.00
10.30	2.00	0.00	4.85	0.10	0.00	10.40	2.00	0.00	4.80	0.10	0.00
10.50	2.00	0.00	4.75	0.10	0.00	10.60	2.00	0.00	4.70	0.10	0.00
10.70	2.00	0.00	4.65	0.10	0.00	10.80	2.00	0.00	4.60	0.10	0.00
10.90	2.00	0.00	4.55	0.10	0.00	11.00	2.00	0.00	4.50	0.10	0.00
11.10	2.00	0.00	4.45	0.10	0.00	11.20	2.00	0.00	4.40	0.10	0.00
11.30	2.00	0.00	4.35	0.10	0.00	11.40	2.00	0.00	4.30	0.10	0.00
11.50	2.00	0.00	4.25	0.10	0.00	11.60	2.00	0.00	4.20	0.10	0.00
11.70	2.00	0.00	4.15	0.10	0.00	11.80	2.00	0.00	4.10	0.10	0.00
11.90	2.00	0.00	4.05	0.10	0.00	12.00	2.00	0.00	4.00	0.10	0.00
12.10	2.00	0.00	3.95	0.10	0.00	12.20	2.00	0.00	3.90	0.10	0.00
12.30	2.00	0.00	3.85	0.10	0.00	12.40	2.00	0.00	3.80	0.10	0.00
12.50	2.00	0.00	3.75	0.10	0.00	12.60	2.00	0.00	3.70	0.10	0.00
12.70	2.00	0.00	3.65	0.10	0.00	12.80	2.00	0.00	3.60	0.10	0.00
12.90	2.00	0.00	3.55	0.10	0.00	13.00	2.00	0.00	3.50	0.10	0.00
13.10	2.00	0.00	3.45	0.10	0.00	13.20	2.00	0.00	3.40	0.10	0.00
13.30	2.00	0.00	3.35	0.10	0.00	13.40	2.00	0.00	3.30	0.10	0.00
13.50	2.00	0.00	3.25	0.10	0.00	13.60	2.00	0.00	3.20	0.10	0.00
13.70	2.00	0.00	3.15	0.10	0.00	13.80	2.00	0.00	3.10	0.10	0.00
13.90	2.00	0.00	3.05	0.10	0.00	14.00	2.00	0.00	3.00	0.10	0.00
14.10	2.00	0.00	2.95	0.10	0.00	14.20	2.00	0.00	2.90	0.10	0.00
14.30	2.00	0.00	2.85	0.10	0.00	14.40	2.00	0.00	2.80	0.10	0.00
14.50	2.00	0.00	2.75	0.10	0.00	14.60	2.00	0.00	2.70	0.10	0.00
14.70	2.00	0.00	2.65	0.10	0.00	14.80	2.00	0.00	2.60	0.10	0.00
14.90	2.00	0.00	2.55	0.10	0.00	15.00	2.00	0.00	2.50	0.10	0.00

Overall liquefaction potential: 4.53

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

:: 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)
1.50	18.00	2.00	0.00	1.00	0.00	1.60	12.85	2.00	0.00	1.00	0.00
1.70	15.50	2.00	0.00	1.00	0.00	1.80	15.13	2.00	0.00	1.00	0.00
1.90	14.43	2.00	0.00	1.00	0.00	2.00	17.63	2.00	0.00	1.00	0.00
2.10	12.72	2.00	0.00	1.00	0.00	2.20	12.80	2.00	0.00	1.00	0.00
2.30	12.19	2.00	0.00	1.00	0.00	2.40	12.42	2.00	0.00	1.00	0.00
2.50	16.72	2.00	0.00	1.00	0.00	2.60	17.18	2.00	0.00	1.00	0.00
2.70	14.30	2.00	0.00	1.00	0.00	2.80	14.61	2.00	0.00	1.00	0.00
2.90	14.35	2.00	0.00	1.00	0.00	3.00	12.15	2.00	0.00	1.00	0.00
3.10	10.39	2.00	0.00	1.00	0.00	3.20	10.87	2.00	0.00	1.00	0.00
3.30	9.87	2.00	0.00	1.00	0.00	3.40	8.84	2.00	0.00	1.00	0.00
3.50	9.25	2.00	0.00	1.00	0.00	3.60	8.34	2.00	0.00	1.00	0.00
3.70	10.35	2.00	0.00	1.00	0.00	3.80	9.52	2.00	0.00	1.00	0.00
3.90	13.77	2.00	0.00	1.00	0.00	4.00	14.91	2.00	0.00	1.00	0.00
4.10	12.49	2.00	0.00	1.00	0.00	4.20	20.60	2.00	0.00	1.00	0.00
4.30	18.62	2.00	0.00	1.00	0.00	4.40	24.21	2.00	0.00	1.00	0.00
4.50	30.61	2.00	0.00	1.00	0.00	4.60	19.13	2.00	0.00	1.00	0.00
4.70	25.76	2.00	0.00	1.00	0.00	4.80	104.11	0.70	3.08	1.00	0.31
4.90	99.68	0.66	3.22	1.00	0.32	5.00	94.15	0.62	3.42	1.00	0.34
5.10	27.71	2.00	0.00	1.00	0.00	5.20	98.31	0.64	3.27	1.00	0.33
5.30	112.01	0.77	2.86	1.00	0.29	5.40	111.21	0.76	2.88	1.00	0.29
5.50	106.18	0.70	3.02	1.00	0.30	5.60	93.25	0.60	3.45	1.00	0.34
5.70	92.90	0.59	3.46	1.00	0.35	5.80	98.82	0.63	3.25	1.00	0.33
5.90	88.34	0.56	3.64	1.00	0.36	6.00	80.92	0.52	3.97	1.00	0.40
6.10	96.98	0.61	3.31	1.00	0.33	6.20	84.27	0.53	3.81	1.00	0.38
6.30	81.38	0.52	3.94	1.00	0.39	6.40	20.03	2.00	0.00	1.00	0.00
6.50	20.73	2.00	0.00	1.00	0.00	6.60	13.74	2.00	0.00	1.00	0.00
6.70	10.37	2.00	0.00	1.00	0.00	6.80	7.54	2.00	0.00	1.00	0.00
6.90	7.27	2.00	0.00	1.00	0.00	7.00	18.74	2.00	0.00	1.00	0.00
7.10	19.45	2.00	0.00	1.00	0.00	7.20	13.29	2.00	0.00	1.00	0.00
7.30	7.54	2.00	0.00	1.00	0.00	7.40	7.41	2.00	0.00	1.00	0.00
7.50	7.20	2.00	0.00	1.00	0.00	7.60	7.39	2.00	0.00	1.00	0.00
7.70	7.17	2.00	0.00	1.00	0.00	7.80	7.32	2.00	0.00	1.00	0.00
7.90	10.06	2.00	0.00	1.00	0.00	8.00	8.99	2.00	0.00	1.00	0.00
8.10	7.18	2.00	0.00	1.00	0.00	8.20	7.51	2.00	0.00	1.00	0.00
8.30	8.10	2.00	0.00	1.00	0.00	8.40	8.25	2.00	0.00	1.00	0.00
8.50	11.67	2.00	0.00	1.00	0.00	8.60	10.70	2.00	0.00	1.00	0.00
8.70	7.87	2.00	0.00	1.00	0.00	8.80	16.25	2.00	0.00	1.00	0.00
8.90	8.50	2.00	0.00	1.00	0.00	9.00	8.85	2.00	0.00	1.00	0.00
9.10	8.04	2.00	0.00	1.00	0.00	9.20	7.74	2.00	0.00	1.00	0.00
9.30	15.91	2.00	0.00	1.00	0.00	9.40	82.79	0.51	3.88	1.00	0.39
9.50	80.10	0.49	4.00	1.00	0.40	9.60	20.21	2.00	0.00	1.00	0.00
9.70	13.62	2.00	0.00	1.00	0.00	9.80	17.94	2.00	0.00	1.00	0.00
9.90	11.54	2.00	0.00	1.00	0.00	10.00	8.27	2.00	0.00	1.00	0.00
10.10	7.08	2.00	0.00	1.00	0.00	10.20	6.59	2.00	0.00	1.00	0.00
10.30	6.70	2.00	0.00	1.00	0.00	10.40	6.95	2.00	0.00	1.00	0.00
10.50	7.55	2.00	0.00	1.00	0.00	10.60	7.60	2.00	0.00	1.00	0.00
10.70	7.54	2.00	0.00	1.00	0.00	10.80	7.79	2.00	0.00	1.00	0.00
10.90	7.84	2.00	0.00	1.00	0.00	11.00	7.53	2.00	0.00	1.00	0.00

:: Post-earthquake settlement due to soil liquefaction :: (continued)											
Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)	Depth (m)	$q_{c1N,cs}$	FS	e_v (%)	DF	Settlement (cm)
11.10	7.30	2.00	0.00	1.00	0.00	11.20	7.15	2.00	0.00	1.00	0.00
11.30	7.09	2.00	0.00	1.00	0.00	11.40	7.58	2.00	0.00	1.00	0.00
11.50	7.63	2.00	0.00	1.00	0.00	11.60	8.91	2.00	0.00	1.00	0.00
11.70	9.38	2.00	0.00	1.00	0.00	11.80	9.55	2.00	0.00	1.00	0.00
11.90	9.15	2.00	0.00	1.00	0.00	12.00	9.27	2.00	0.00	1.00	0.00
12.10	9.35	2.00	0.00	1.00	0.00	12.20	9.59	2.00	0.00	1.00	0.00
12.30	9.90	2.00	0.00	1.00	0.00	12.40	10.71	2.00	0.00	1.00	0.00
12.50	9.25	2.00	0.00	1.00	0.00	12.60	8.80	2.00	0.00	1.00	0.00
12.70	9.68	2.00	0.00	1.00	0.00	12.80	10.74	2.00	0.00	1.00	0.00
12.90	10.58	2.00	0.00	1.00	0.00	13.00	11.52	2.00	0.00	1.00	0.00
13.10	11.06	2.00	0.00	1.00	0.00	13.20	10.39	2.00	0.00	1.00	0.00
13.30	8.30	2.00	0.00	1.00	0.00	13.40	6.57	2.00	0.00	1.00	0.00
13.50	8.02	2.00	0.00	1.00	0.00	13.60	7.64	2.00	0.00	1.00	0.00
13.70	7.61	2.00	0.00	1.00	0.00	13.80	10.92	2.00	0.00	1.00	0.00
13.90	7.96	2.00	0.00	1.00	0.00	14.00	8.44	2.00	0.00	1.00	0.00
14.10	8.06	2.00	0.00	1.00	0.00	14.20	12.06	2.00	0.00	1.00	0.00
14.30	11.87	2.00	0.00	1.00	0.00	14.40	11.54	2.00	0.00	1.00	0.00
14.50	10.93	2.00	0.00	1.00	0.00	14.60	10.03	2.00	0.00	1.00	0.00
14.70	9.81	2.00	0.00	1.00	0.00	14.80	9.67	2.00	0.00	1.00	0.00
14.90	10.67	2.00	0.00	1.00	0.00	15.00	10.24	2.00	0.00	1.00	0.00

Total estimated settlement: 5.85

Abbreviations

$Q_{m,cs}$:	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